

This prospectus constitutes a base prospectus (the "**Base Prospectus**" or the "**Prospectus**") for the purposes of Art. 8 of Regulation (EU) 2017/1129 of the European Parliament and of the Council of 14 June 2017 (as amended, the "**Prospectus Regulation**"). This Base Prospectus expires on 28 May 2021. The obligation to supplement this Base Prospectus in the event of significant new factors, material mistakes or material inaccuracies does not apply when this Base Prospectus is no longer valid.

Raydius GmbH

(incorporated with limited liability in the Federal Republic of Germany)

Base Prospectus

relating to

leveraged products

dated

28 May 2020

Under this Base Prospectus, Raydius GmbH, Westhafen Tower, Westhafenplatz 1, 60327 Frankfurt am Main, Federal Republic of Germany (the "**Issuer**"), subject to compliance with all relevant laws, regulations and directives, may from time to time issue derivative bearer debt securities (the "**Securities**") either in the form of warrants (the "**Warrants**") with a specified maturity date (the "**Turbo Warrants**"), without a specified maturity date (the "**Open End Turbo Warrants**") or in the form of mini-futures without a specified maturity date (the "**Mini-Futures**").

Application will be made for the Securities to be authorised for trading on the multilateral trading facility Spectrum, which is operated by Spectrum MTF Operator GmbH (the "**Market**"). The Market is not a regulated market for the purposes of the Directive 2014/65/EU of the European Parliament and of the Council on markets in financial instruments ("**MiFID II**").

The Securities have not been and will not be registered under the U.S. Securities act of 1933, as amended (the "**Securities Act**") or with any securities regulatory authority of any state or other jurisdiction of the U.S., and the Securities are subject to U.S. tax law requirements. The Securities may not at any time be offered, sold or delivered, directly or indirectly, within the United States (which term includes the territories, possessions and all other areas subject to the jurisdiction of the U.S.) or to, or for the account or benefit of, any person who is (a) a U.S. person (as defined in regulation under the securities act ("**Regulation S**")) or (b) not a non-United States person (as defined in rule 4.7 under the U.S. Commodity Exchange Act of 1936, as amended (the "**CEA**") but excluding for the purposes of subsection (d) thereof, the exception to the extent that it would apply to persons who are not non-United States persons. Trading in the Securities has not been approved by the U.S. Commodity Futures Trading Commission under the CEA. Each series of Securities will be represented on issue by a permanent global security in bearer form (each a "**Permanent Global Security**") or a temporary global security in bearer form (each a "**Temporary Global Security**") exchangeable for a Permanent Global Security. The respective global security/ies will be deposited as of the relevant issue date with Clearstream Banking AG (the "**Clearing System**").

Prospective investors should read the Base Prospectus in conjunction with any supplements thereto, the parts of the documents incorporated by reference, if any and the applicable Final Terms. The applicable Final Terms will be available for download on the website of the Issuer (www.raydius.de).

Securities are volatile instruments. Accordingly, prospective investors in the Securities should ensure that they fully understand the nature of these instruments and must be fully prepared to sustain a total loss of their investment in the Securities. Prospective investors should have regard to the factors described under the section headed "Risk factors" in this Prospectus.

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1 General description of the programme

Expressions used in this section "General description of the programme" shall have the meaning as referenced in the Glossary of Defined Terms below.

1.1 General

Under this Base Prospectus, Raydius GmbH, Westhafen Tower, Westhafenplatz 1, 60327 Frankfurt am Main, Federal Republic of Germany (the "**Issuer**"), subject to compliance with all relevant laws, regulations and directives, may from time to time issue derivative bearer debt securities (the "**Securities**") either in the form of warrants (the "**Warrants**") with a specified maturity date (the "**Turbo Warrants**"), without a specified maturity date (the "**Open End Turbo Warrants**") or in the form of mini-futures without a specified maturity date (the "**Mini-Futures**").

The dealer of the Securities is Brightpool Limited, Christodoulou Chatzipavlou, 221 HELIOS COURT, 3rd floor, 3036, Limassol, Cyprus ("**Brightpool**" or the "**Dealer**").

Market Data Limited ("**MDL**") entered into Keep Well Agreements with each of the Issuer and Brightpool (see Section 4.6 "Description of the Keep Well Agreements").

Citibank Europe plc, 1 North Wall Quay, Dublin 1, Ireland, shall be the paying agent (including any successor or additional paying agent) (the "**Paying Agent**").

1.2 Issue of Securities

The Securities are derivative bearer debt securities (*Inhaberschuldverschreibungen*).

The Redemption Amount due on the maturity date, in case of Turbo Warrants, or on the relevant exercise date, in case of Open End Turbo Warrants, or in case of an ordinary or extraordinary termination depends on the value of the underlying at the time of such maturity, exercise or termination.

The underlying of a series of Securities will be specified in the applicable Final Terms and may be

- a share (such Securities either Long Share Turbo Warrants, Short Share Turbo Warrants, Long Share Open End Turbo Warrants, Short Share Open End Turbo Warrants, Long Share Mini-Futures, Short Share Mini-Futures),
- an index (such Securities either Long Index Turbo Warrants, Short Index Turbo Warrants, Long Index Open End Turbo Warrants, Short Index Open End Turbo Warrants, Long Index Mini-Futures, Short Index Mini-Futures),
- a futures contract (such Securities either Long Futures Contract Turbo Warrants, Short Futures Contract Turbo Warrants, Long Futures Contract Open End Turbo Warrants, Short Futures Contract Open End Turbo Warrants, Long Futures Contract Mini-Futures, Short Futures Contract Mini-Futures),
- gold, expressed as an exchange rate, (such Warrants either Long Gold Turbo Warrants, Short Gold Turbo Warrants, Long Gold Open End Turbo Warrants, Short Gold Open End Turbo Warrants, Long Gold Mini-Futures, Short Gold Mini-Futures),
- a currency exchange rate (such Securities either Long Currency Exchange Rate Turbo Warrants, Short Currency Exchange Rate Turbo Warrants, Long Currency Exchange Rate Open End Turbo Warrants, Short Currency Exchange Rate Open End Turbo Warrants, Long Currency Exchange Rate Mini-Futures, Short Currency Exchange Rate Mini-Futures) or
- a crypto currency (such Securities either Long Crypto Currency Turbo Warrants, Short Crypto Currency Turbo Warrants, Long Crypto Currency Open End Turbo Warrants, Short Crypto Currency Open End Turbo Warrants, Long Crypto Currency Mini-Futures, Short Crypto Currency Mini-Futures).

The applicable Final Terms will specify where information on the relevant underlying (including on the past and future performance and volatility) can be obtained.

The Securities may be transferred in accordance with the rules of the Clearing System. The Securities are freely transferable, subject to the offering, transfer and selling restrictions which apply in certain jurisdictions (including, without limitation, the United States), the applicable law and the rules and regulations of the Clearing System.

1.3 Offer and sale

The Securities may be offered to retail clients, professional clients and eligible counterparties.

1.4 Listing and trading

Application will be made for the Securities to be authorised for trading on the multilateral trading facility Spectrum, which is operated by Spectrum MTF Operator GmbH (the "**Market**"). The Securities will not be admitted to trading on a regulated market for the purposes of the Directive 2014/65/EU of the European Parliament and of the Council on markets in financial instruments.

2 Risk factors

The following section is divided into risk factors relating to the Issuer (see section 2.1 "*Risk factors relating to the Issuer*"), risk factors relating to MDL as provider under Keep Well Agreements entered into between MDL and each of the Issuer and Brightpool Limited (see section 2.2 "*Risks factors relating to MDL*") and risk factors arising from the type of Securities (see section 2.3 "*Risks factors relating to the Securities*"). In each of these sections the risk factors are presented in risk categories depending on their nature. In each risk category the two most material risk factors according to the Issuer are set out first. The order of the risk factors set out subsequently in each category does not indicate their materiality in the event that they are realised. The respective most material risk factors are printed in **bold**. The risk factors which are not printed in bold are not ranked in order of their materiality within the respective category.

The assessment of materiality of each risk factor has been made by the Issuer on the basis of the probability of their occurrence and the expected magnitude of their negative impact.

The criteria for determining the materiality of risks factors relating to the Issuer are set out in the universal registration document (the "**Registration Document**") of the Issuer which is incorporated by reference into this Base Prospectus. The materiality of risk factors relating to the Securities depends on parameters, such as the type of Securities, the underlying assets (hereafter the "**Underlying**"), the Reference Price of the Underlying, the Knock-out Barrier etc. These parameters determine the probability of occurrence of a particular event and the risks relating thereto as well as the extent of the impact on the Securities when the risk materialises. In the following, the Issuer will also put into relation the likelihood of the risk crystallising and the related impact (see description below (for example: the higher the likelihood, the higher the risk) in order for investors to assess the specific materiality and the impact of the relevant risk.

The risks described in this section "Risk factors" may occur individually or together.

Expressions used in this section "Risk factors" shall have the meaning as referenced in the Glossary of Defined Terms below.

2.1 Risk factors relating to the Issuer

The risk factors relating to the Issuer can be found in the Registration Document of the Issuer dated 28 May 2020. The information contained in the Registration Document is incorporated by reference and forms part of this Base Prospectus (see Section 9 "*Information incorporated by reference*"). These risks may affect the Issuer's ability to fulfil its obligations under the Securities.

2.2 Risk factors relating to MDL

2.2.1 Risks related to MDL's financial situation

As Market Data Limited ("MDL") entered into Keep Well Agreements with each of the Issuer and Brightpool, investors are indirectly exposed to MDL's risk of insolvency if MDL is over-indebted or is unable to pay.

There is a risk that MDL cannot, or cannot entirely, fulfil its obligations towards the Issuer and Brightpool under the Keep Well Agreements. Therefore, prospective investors should take into account MDL's credit standing in their investment decisions. The credit risk is the risk of MDL's inability to pay or illiquidity, i.e. the possible temporary or permanent inability to fulfil its payment obligations in due time, particularly its payment obligations towards the Issuer and Brightpool under the Keep Well Agreements.

Prospective investors should take into account that MDL's credit standing may change during the term of the Securities due to developments in the overall economic environment or in the company-specific environment. This may, in particular, be caused by cyclical fluctuations which may affect MDL's profitability and solvency in the long term. Other impacting factors may be, for example, economic crises and political developments that have a strong impact on the economy as a whole and MDL in particular.

MDL's credit is highly dependent upon the performance of other entities within the IG Group. These factors may adversely affect the performance of MDL's subsidiaries and may lead to the carrying value of its investments in subsidiaries being not supported by the net assets or cash flows of the investments.

These factors may also lead to loans made by MDL to other entities within the IG Group being not recoverable.

If the credit risk described herein crystallises, it will have a material adverse effect on the Securities as MDL may not be able to fulfil the obligations under the Keep Well Agreements towards the Issuer and Brightpool. In turn, the Issuer may not be able to meet its obligations under the Securities or the fulfillment of its respective obligations may take longer. Investors may therefore take the risk of a total loss. The higher the likelihood of an insolvency of MDL, the higher the risk of a total loss for investors.

2.2.2 Risks associated with MDL's business activities and industry

MDL mainly acts as a holding company for operating entities of the IG Group, providing equity and debt capital to its subsidiaries. MDL also contracts for and redistributes market data to other entities within the IG Group. MDL's main revenue represents charges made to other entities of the IG Group for the provision of market data. MDL further receives dividends from its subsidiaries. The IG Group entities are mainly engaged in the provision of online trading with a focus on contracts for difference.

Since MDL is highly dependent upon the performance of other entities within the IG Group, its revenues are adversely impacted by negative developments in the markets in which the entities of the IG Group carry out their business activities. A difficult overall economic situation may result in lower volumes and adversely affect the performance of the IG Group entities as any profit of the IG Group entities – and therewith any profit of MDL – is materially dependent on the provision of online trading with a focus on contracts for difference.

The general market performance of financial products depends especially on the development of the capital markets, which in turn are impacted by the situation of the global economy and the economic and political conditions in the relevant countries (market risk). If the credit risk described in section 2.2.1 above crystallises, the profit of MDL may be negatively impacted and even result in an overall loss for MDL. This in turn may lead to a credit risk as described in section 2.2.1 above, i.e. the probability of a financial distress of MDL affecting its ability to fulfil its payment obligations in due time may increase, particularly to fulfil its payment obligations towards the Issuer and Brightpool under the Keep Well Agreements. The Issuer may therefore not be able to meet its obligations under the Securities or the fulfillment of its respective obligations may take longer. Investors may therefore take the risk of a total loss. The higher the likelihood of such market risk crystallising, the higher the risk of a total loss for investors.

2.3 Risk factors relating to the Securities

2.3.1 Risks arising from the types of Securities

The paragraphs below describe the specific risk factors that are associated with the types of Securities.

The Securities may decline in value and investors should note that, whatever their investment in the Securities, the cash amount due at maturity or termination by the Issuer may be zero and investors may therefore experience a total loss of their investment in the Securities.

(a) Risks associated with the structure of the Securities

(aa) Risks related to the leverage effect

The Securities are characterised by their leverage effect. This means that a change in the value of the relevant Underlying may result in a disproportionate change in the value of the Security. The leverage effect (gearing) of the Securities, essentially arises out of the considerably smaller amount of capital, as compared to a direct investment in the Underlying, that needs to be committed by the investor in order to speculate on the price movement of the Underlying.

Such leverage effect can be to the investor's disadvantage in the case of an unfavourable performance of the Underlying. This means that the Securities are associated with a disproportionate risk of loss. Disproportionate

changes in the performance of the Underlying will cause great fluctuations in the secondary market price of the associated Security. In particular, if the Knock-out Barrier is close to the current price of the Underlying the leverage effect is increased and the Securities are subject to a higher risk of a Knock-out Event occurring. As a result, the Securityholders may lose their entire investments (total loss risk). The greater the leverage effect, the greater the risk of a total loss. The risk may be reinforced by other risks described herein.

(bb) Risks related to the occurrence of a Knock-out Event

(1) Product No. 1: Turbo-Warrants (Long-Securities)

If at any time during the Observation Period, the Underlying is equal to or below the Knock-out Barrier (occurrence of a Knock-out Event), the term of the Turbo Warrants (Long-Securities) ends without requiring any further action on behalf of the Securityholder and the Turbo Warrants expire worthless. In this case the Securityholders lose their entire investment (total loss risk). The closer the price of the Underlying is to the Knock-out Barrier, the higher is the risk of a total loss. The risk may be reinforced by other risks described herein.

On the Maturity Date, Securityholders will also suffer a loss if the Reference Price on the Valuation Date determined as at the Valuation Time is so close to the Strike that the Redemption Amount is less than the purchase price of the relevant Turbo Warrant.

A Knock-out Event may occur at any time during the trading hours of the Underlying and potentially even outside the trading hours of the Turbo Warrant. It should be noted that the value of a Redemption Amount depends to a significant extent on the Reference Price of the Underlying on the Valuation Date determined as at the Valuation Time.

(2) Product No. 2: Turbo-Warrants (Short-Securities)

If at any time during the Observation Period, the Underlying is equal to or above the Knock-out Barrier (occurrence of a Knock-out Event), the term of the Turbo Warrants (Short-Securities) ends without requiring any further action on behalf of the Securityholder and the Turbo Warrants will expire worthless. In this case Securityholders lose their entire investment (total loss risk). The closer the price of the Underlying is to the Knock-out Barrier, the higher the risk of a total loss. The risk may be reinforced by other risks described herein.

On the Maturity Date, Securityholders will also suffer a loss if the Reference Price on the Valuation Date determined as at the Valuation Time is so close to the Strike that the Redemption Amount is less than the purchase price of the relevant Turbo Warrant.

A Knock-out Event may occur at any time during the trading hours of the Underlying and potentially even outside the trading hours of the Turbo Warrant. It should be noted that the value of a Redemption Amount depends to a significant extent on the Reference Price of the Underlying on the Valuation Date determined as at the Valuation Time.

(3) Product No. 3: Open End Turbo Warrants (Long-Securities)

If at any time during the Observation Period, the Underlying is equal to or below the Knock-out Barrier (occurrence of a Knock-out Event), the term of the Open End Turbo Warrants (Long-Securities) ends without requiring any further action on behalf of the Securityholder and the Open End Turbo Warrants expire worthless. In this case Securityholders lose their entire investment (total loss risk). The closer the price of the Underlying is to the Knock-out Barrier, the higher the risk of a total loss. The risk may be reinforced by other risks described herein.

After the Ordinary Termination by the Issuer or the exercise of the Securityholder's Option Right, the Securityholders will also suffer a loss if the Reference Price on the Valuation Date determined as at the

Valuation Time is so close to the Strike that the Redemption Amount is less than the purchase price of the relevant Open End Turbo Warrant.

A Knock-out Event may occur at any time during the trading hours of the Underlying and potentially even outside the trading hours of the Open End Turbo Warrants. It should be noted that the value of a Redemption Amount depends to a significant extent on the Reference Price of the Underlying on the Valuation Date determined as at the Valuation Time.

(4) Product No. 4: Open End Turbo Warrants (Short-Securities)

If at any time during the Observation Period, the Underlying is equal to or above the Knock-out Barrier (occurrence of a Knock-out Event), the term of the Open End Turbo Warrants (Short-Securities) ends without requiring any further action on behalf of the Securityholder and the Open End Turbo Warrants will expire worthless. In this case Securityholders lose their entire investment (total loss risk). The closer the price of the Underlying is to the Knock-out Barrier, the higher the risk of a total loss. The risk may be reinforced by other risks described herein.

After the Ordinary Termination by the Issuer or the exercise of the Securityholder's Option Right, the Securityholder will also suffer a loss if the Reference Price on the Valuation Date determined as at the Valuation Time is so close to the Strike that the Redemption Amount is less than the purchase price of the relevant Open End Turbo Warrant.

A Knock-out Event may occur at any time during the trading hours of the Underlying and potentially even outside the trading hours of the Open End Turbo Warrant. It should be noted that the value of a Redemption Amount depends to a significant extent on the Reference Price of the Underlying on the Valuation Date determined as at the Valuation Time.

(5) Product No. 5: Mini-Futures (Long-Securities)

If at any time during the Observation Period, the Underlying is equal to or below the Knock-out Barrier (occurrence of a Knock-out Event), the term of the Mini-Futures (Long-Securities) ends without requiring any further action on behalf of the Securityholder. In this case Securityholders receive the Stop-Loss Redemption Amount. The Stop-Loss Redemption Amount may be zero, ie Securityholders may lose their entire investment (total loss risk). The closer the price of the Underlying is to the Strike, the higher the risk of a total loss. The risk may be reinforced by other risks described herein.

After the Ordinary Termination by the Issuer or the exercise of the Securityholder's Option Right, the Securityholder will also suffer a loss if the Reference Price on the Valuation Date determined as at the Valuation Time is so close to the Knock-out Barrier that the Redemption Amount is less than the purchase price of the relevant Mini-Future.

A Knock-out Event may occur at any time during the trading hours of the Underlying and potentially even outside the trading hours of the Mini-Futures. It should be noted that the value of a Redemption Amount depends to a significant extent on the Reference Price of the Underlying on the Valuation Date determined as at the Valuation Time.

(6) Product No. 6: Mini-Futures (Short-Securities)

If at any time during the Observation Period, the Underlying is equal to or above the Knock-out Barrier (occurrence of a Knock-out Event), the term of the Mini-Futures (Short-Securities) ends without requiring any further action on behalf of the Securityholder. In this case Securityholders receive the Stop-Loss Redemption Amount. The Stop-Loss Redemption Amount may be zero, ie Securityholders may lose their entire investment

(total loss risk). The closer the price of the Underlying is to the Strike, the higher the risk of a total loss. The risk may be reinforced by other risks described herein.

After the Ordinary Termination by the Issuer or the exercise of the Securityholder's Option Right, the Securityholder will also suffer a loss if the Reference Price on the Valuation Date determined as at the Valuation Time is so close to the Knock-out Barrier that the Redemption Amount is less than the purchase price of the relevant Mini-Future.

A Knock-out Event may occur at any time during the trading hours of the Underlying and potentially even outside the trading hours of the Mini-Futures. It should be noted that the value of a Redemption Amount depends to a significant extent on the Reference Price of the Underlying on the Valuation Date determined as at the Valuation Time.

(cc) Risks specifically associated with the automatic exercise of Turbo Warrants at maturity

The Turbo Warrants will be deemed automatically exercised on the Maturity Date (European Exercise), provided that the Redemption Amount is positive at such time and a Knock-out Event has not occurred within the Observation Period. Securityholders will not be able to exercise the Turbo Warrants. Therefore, the economic value represented by the Turbo Warrants may only be realised prior to the Maturity Date by way of a sale of the Turbo Warrants in the secondary market. However, a sale of the Turbo Warrants is contingent upon the availability of market participants who are prepared to purchase the Turbo Warrants at a corresponding price. The lower the achievable selling price for Turbo Warrants is, the greater the loss for Securityholders. The risk may be reinforced by other risks described herein.

(dd) Risks specifically associated with the requirement for Securityholders to complete and submit an Exercise Notice in case of Open End Turbo Warrants

Unless a Knock-out Event occurs no automatic payment of the Redemption Amount will be effected in respect of the Open End Turbo Warrants. Any payment of the Redemption Amount is contingent upon the relevant Warrant either having been previously exercised by the Securityholder in accordance with the terms and conditions or having been terminated by the Issuer by virtue of an ordinary or extraordinary termination notice. In the absence of such exercise or termination, there can be no guarantee that the Securityholder will receive the relevant Redemption Amount represented by the Warrants.

It should be noted that the exercise of any Open End Turbo Warrant is possible only with effect as of the exercise date(s) stated in the applicable Final Terms (so called Bermudan exercise). In between these dates Securityholders will only be able to realise any gain in the economic value represented by the Warrants by selling their Warrants in the secondary market.

The effectiveness of such exercise of the Open End Turbo Warrants will depend upon the submission of an exercise notice and the delivery of the Open End Turbo Warrants to the Paying Agent. Prospective investors of Open End Turbo Warrants should review the respective terms and conditions as to the applicable requirements with respect to the exercise of their Open End Turbo Warrants.

After the valid exercise of the Securityholder there may be a delay in time until the Redemption Amount in respect of such exercise is determined. The price of the relevant Underlying may fall significantly during that period. This means that in cases of Long-Securities the Redemption Amount may even be zero resulting in a total loss of the investor's investment. The more the price of the relevant Underlying falls during the delay between the time of exercise and the time at which the Redemption Amount of the Long-Security is determined, the higher the loss for investors. The risk may be reinforced by other risks described herein.

(ee) Risks associated with the adjustment of the Strike of the Securities

The Redemption Amount of the Securities depends exclusively on the difference between the Reference Price of the Underlying on the Valuation Date determined as at the Valuation Time and the Strike applicable on the Valuation Date. Prospective investors should note that the Strike and in consequence the Knock-out Barrier are

adjusted on a continuous basis by daily adding a Funding Amount to the Strike. The Funding Amount may be positive or negative and takes into account (i) the value of the Strike applicable in respect of the preceding adjustment, (ii) a Funding Percentage and (iii) in case of Currency Exchange Rates only, a Reference Amount.

Generally, the Funding Amount will be increasing the Strike in case of Long-Securities and decreasing the Strike in case of Short-Securities which in both cases results in a value-decreasing effect on the Redemption Amount over time, resulting in a loss of the investor's investment. The more the Funding Amount is increasing the Strike in case of Long-Securities and decreasing the Strike in case of Short-Securities, the higher the value-decreasing effect on the Redemption Amount and the higher the loss for Securityholders. The risk may be reinforced by other risks described herein.

The adjustments of the Strike and the Knock-out Barrier can lead to the occurrence of a Knock-out Event even if the rate, level or price of the Underlying has not moved. The investors may suffer a total loss in such case.

(b) Currency Risk related to the Securities

Exchange rate risks arise especially if the Issue Currency differs from the Underlying Currency or if investors need to convert any payments under the Securities into their preferred currency, for example their home state's currency.

In particular, if the value of the Underlying Currency rises against the Issue Currency and the value of the Issue Currency falls accordingly, the value of the Redemption Amount falls accordingly against the Underlying Currency. This reduces the value of the Securities and increases the risk of losses for investors.

It should be noted that the relative interest rate differential between the current interest rate on the Underlying Currency and the current interest rate on the Issue Currency may adversely affect the price of the relevant Securities and therefore increase the risk of losses for investors. The greater the relative interest rate differential between the current interest rate on the underlying currency and the current interest rate on the issue currency is, the higher the loss for investors. The risk may be reinforced by other risks described herein.

In case the applicable Final Terms provide for a quanto conversion (a fixed conversion rate between the Issue Currency and the Underlying Currency), a conversion of the Underlying Currency into the Issue Currency will be made without reference to the current exchange rate between the Issue Currency and the Underlying Currency. In such case, the Securityholders should note that they will not benefit from any positive performance of the Issue Currency against the Underlying Currency.

1.2.2. Risks in relation to the trading, liquidity and price determination of the Securities

(a) Liquidity Risk

The Securities will be authorised for trading on a multilateral trading facility. It cannot be guaranteed that such authorisation for trading will prevail for the term of the Securities. In case such authorisation is cancelled it may be very difficult to find market participants who are willing to purchase and sell the Securities. It cannot be guaranteed that a liquid market will exist in the Securities, i.e. the Securityholder may not be in a position to sell the Securities.

The Issuer will not act as market maker in respect of the Securities. This means the Issuer will not provide continuous purchase and sale prices for the Securities.

An affiliate of the Issuer, as specified in the applicable Final Terms, is expected to act as market maker in the Securities (the "Market Maker"), although it is legally not obligated to perform such a function. Extraordinary market conditions or markets exhibiting extreme volatility may stop any market making activity. Purchase and sale prices for the Securities will only be provided by the Market Maker under regular market conditions.

Market makers cannot be held responsible by Securityholders to provide such prices and/or that such prices are reasonable. Therefore, Securityholders should not assume that they can purchase or sell their Securities at a certain time or price. The Market Maker is furthermore not obliged to buy back the Securities. It cannot be guaranteed that any market making will prevail for the term of the Securities.

For the above mentioned reasons a liquid secondary market in the Securities may not develop. A liquid secondary market may not prevail for the term of the Securities and the Securityholder may therefore not be in a position to sell the Securities.

Furthermore, any aggregate offer volume stated in the applicable Final Terms should be understood as indicative and investors should not rely on this figure when assessing any potential secondary market liquidity of the Securities. The actual offer amount depends on the prevailing market conditions and may be subject to changes during the term of the Securities, hence it cannot be guaranteed that a liquid market will exist in the Securities, i.e. the Securityholder may not be in a position to sell the Securities.

The Market Maker provides purchase and sale prices for trading in the Securities via an electronic trading platform. Any restriction or suspension in the availability of the relevant electronic trading platform may negatively impact liquidity in the Securities and the Securityholder's ability to trade in the Securities i.e. the investor may not be in a position to sell the Securities.

If investors are consequently forced to sell the Securities in an illiquid market, there is a risk that they will only be able to sell the Securities at a lower price resulting in a loss for investors. The more illiquid the market is, the greater the likelihood that the selling price of the relevant Securities do not reflect the actual value of the Securities. The risk may be reinforced by other risks described herein.

(b) Secondary market price determination

The Securities may trade at a market value below their purchase price during their term. When determining the prices, the Market Maker will *inter alia* take the following factors into account: actual value and price of the Underlying, supply and demand relating to the Securities, costs for hedging any risk associated with the price movements in the Underlying and the Securities, prevailing margins and commissions or an increase or decrease of dividends as well as a decrease in the remaining term of the Securities.

Further, individual factors of the above-mentioned factors may each have a separate impact or have a cumulative or offsetting effect. The prices quoted by the Market Maker in the secondary market are based on the Market Maker's pricing models, which depend mainly on the value of the Underlying, any derivative components and on the bid/offer spread (the difference in the bid and offer prices on the secondary market), which is set depending on the supply of, and demand for, the Securities taking into account revenue considerations.

It should be noted that certain costs may not be deducted from the secondary market price on a *pro rata temporis* basis, i.e. continuously, but are subtracted from the mathematical fair value in full at a prior point in time at the Market Maker's discretion. These costs may include any administrative fees, any margin or income factored into the initial offer price. The subtraction of such cost depends *inter alia* on the net flow back of Securities to the Issuer. Therefore, prices quoted in the secondary market can differ from the mathematical fair value of the Securities or from prices that would have formed in a market with several independent market makers. The model used by the Market Maker to determine the prices may change, including but not limited to a change in the bid/offer spreads provided.

If the Underlying's home market is closed, the price of the Underlying will be estimated by the Market Maker. Such price estimates may turn out to be accurate, higher or lower than they potentially would have been quoted on the Underlying's home market. Therefore, the prices provided by the Market Maker prior to the opening of the relevant home market in respect of the Securities may in such a case turn out higher or lower than they potentially would have been quoted on the Underlying's home market.

Due to the special structure of the securities and the resulting complex price formation, an investor is highly dependent on the price formed by the Market Maker when selling the Securities. In all the cases described in this section, the investor may only be able to sell the Securities at a lower price resulting in a loss for the investor. The risk may be reinforced by other risks described herein.

(c) Determination risk between last day of trading and valuation day

The Market Maker and/or the Market will cease trading in the Securities not later than shortly before their termination date. However, the value of the Securities may still change between the last trading day and the Valuation Date. This may be to the Securityholder's disadvantage. Therefore, it cannot be ruled out that the Underlying's price reaches or exceeds the applicable Knock-out Barrier prior to termination after secondary trading has already ended. The risk may be reinforced by other risks described herein.

(e) Material non-public information

The Issuer may be or become aware of or possess or acquire material (including non-public) information about any Underlying. The Issuer and any of its affiliates have no obligation to disclose such information about the Underlying. As the Securities depend on the performance of the relevant Underlying, Securityholders may make wrong decisions with respect to the Securities as a result of missing, incomplete or incorrect information about the Underlying, which may lead to a total loss of the investor's investment. The greater the change in value of the Underlying, the greater may be the loss suffered by the investors. The risk may be reinforced by other risks described herein.

1.2.3 Risks following the occurrence of a termination and/or an adjustment

(a) Ordinary termination by the Issuer

Prospective investors should note that the Issuer (unlike Securityholders) has the right to ordinarily terminate Open End Turbo Warrants and/or Mini-Futures with effect as of each Ordinary Termination Date. Therefore, the Issuer is able to limit the term of Open End Turbo Warrants and/or Mini-Futures and may exercise its termination right at a time unfavourable from the Securityholder's point of view. If the Open End Turbo Warrants and/or Mini-Futures are ordinarily terminated by the Issuer, the Redemption Amount may be very low. The Redemption Amount may be lower than the amount the Securityholders would have received if the Securities had not been terminated. The Securityholders will suffer a loss, if the Redemption Amount is less than the purchase price paid for the Securities. This may even amount to a total loss for investors. The worse the performance of the Securities, the greater the risk of a loss in the event of an ordinary termination by the Issuer of the Securities.

(b) Adjustments and extraordinary termination

Any adjustments or extraordinary termination of the Securities prior to their termination by the Issuer or maturity may negatively affect the value of the Securities. In case of an extraordinary termination unwinding costs such as all costs, expenses (including loss of funding), tax and duties incurred by the Issuer in connection with such termination, settlement or re-establishment of any hedging arrangement or related trading position will further negatively impact the value of the Securities and will therefore be borne by the relevant Securityholder. Any adjustment or an extraordinary termination may result in a loss to the investors. The more negatively the impact of an adjustment or extraordinary termination affects the value of the Securities, the higher the potential loss for investors.

(c) Reinvestment risk

The Securities may be terminated at a time when an investor may not be able to reinvest the amounts received at a rate of return which is as high as the expected return on the Securities that were terminated or cancelled. Investors should take the reinvestment risk into consideration with respect to other investments available at that time. The investor may therefore suffer a loss when reinvesting the amount paid out under the Securities. The more unfavourable the conditions of a reinvestment are, the greater the loss will be.

1.2.4 Risks in relation to the taxation of the Securities or the Underlyings

(a) Risk in relation to taxation of Securities

Tax law and practice are subject to change, possibly with retroactive effect. This may have an adverse effect on the value of the Securities and/or the market price of the Securities. For example, the specific tax assessment of the Securities may change from the assessment at the time of purchase of the Securities. This is particularly true with respect to derivative securities and their tax treatment. Securityholders therefore bear the risk that they may incorrectly assess the taxation of income from the purchase of the Securities. Further, it is also possible that the taxation of income from the purchase of securities may change to the detriment of Securityholders.

Securityholders bear the risk that the specific tax assessment of the securities may change. This may have a negative effect on the value of the Securities and the investor may suffer a corresponding loss. The more negatively the value of the Securities is affected by a changed tax assessment, the greater the loss for investors.

(b) FATCA and the possibility of U.S. withholding tax on payments

The implementation of the US Foreign Account Tax Compliance Act (FATCA) may lead to the following result: US withholding taxes are levied on payments made by the Issuer in connection with the Securities. The intent behind FATCA is to help the US Internal Revenue Service combat tax evasion by US persons holding investments in offshore accounts. FATCA imposes a 30 percent withholding tax on an expansive list of payments to non-participating foreign financial institutions and other payees that are not FATCA compliant. Such taxes may therefore be deducted at a rate of 30% from all payments by the Issuer in connection with the Securities in case there is one entity in the payment chain that is not FATCA compliant. The payment chain for the Securities consists of the following payments: Payments from the Issuer to the Paying Agent, from the Paying Agent to the Clearing System, from the Clearing System to the Custodians and from the Custodians to the relevant Securityholders.

Even if it is unlikely that taxes will be withheld from payments of the Issuer to the Clearing System, this cannot be excluded in view of the further payments required in individual cases.

Thus, US withholding taxes may have to be deducted from principal or other payments of the Issuer in connection with the Securities depending on the persons involved in the respective specific payment chain. In case there is one entity in the payment chain that is not FATCA compliant, taxes will be deducted from all payments by the Issuer in connection with the Securities and Securityholders will not receive any payment for such deduction that will offset the deduction. This is because neither the Issuer nor any Paying Agent or other person is obliged to make such a compensatory payment to the Securityholders. As a result, Securityholders may receive lower payments than expected.

Securityholders bear the risk that taxes may be withheld in accordance with the US Foreign Account Tax Compliance Act, which may result in losses for investors in the Securities. The higher the amount withheld is, the higher the potential loss.

(c) Risks relating to U.S. withholding taxes on dividend equivalent payments

Section 871(m) of the US Federal Internal Code and related regulations provide for the withholding of taxes on certain financial instruments such as the Securities discussed herein. The Issuer has determined that as of the date of the Base Prospectus the Securities discussed herein are complex as defined in section 871(m) of the US Federal Internal Code and the related regulations and consequently no 871(m) tax will be withheld on dividend equivalent adjustments made by the Issuer or the Paying Agent through 2022. The Securityholders are responsible for determining their liability to US taxes on dividend equivalent payments.

At such time that complex products come into scope of 871(m) tax, or any other such time the Internal Revenue Service (IRS) clarifies that these instruments should be treated as in scope for 871(m) withholding tax, the Issuer or the Paying Agent will deduct a tax from the amount paid out. The amount thus withheld is then transferred to the US tax authorities. The tax is levied on all payments to Securityholders that are triggered or determined by dividend payments from US sources. The term "payment" is broadly defined. It also includes all other

payments by the Issuer to securityholders that are triggered or determined by dividends from US sources. To the extent that payments under the Securities are triggered by US source dividends, this risk may materialise specifically with respect to the Securities. Withholding may be required even if under the terms and conditions of the issue, no payment will be made at all that is triggered or determined by the payment of a dividend from a US source. The same applies even in cases where no adjustment of the terms and conditions is made when a dividend is paid from a US source or any other distribution.

This risk of deduction applies in particular to Securities with a US share or a US index as Underlying unless an exception to withholding applies. With respect to such Securities, the following applies under US regulations: All payments or deemed payments by the Issuer in connection with Securities are treated as dividend equivalents ("**dividend equivalents**"). The payments or deemed payments are subject to 30% US withholding tax. The tax rate may be lower if the applicable Double Taxation Treaty ("**DTA**") provides for a lower tax rate. However, the Issuer or the Paying Agent may withhold at the full 30% rate and beneficial owners may need to apply for a refund of the tax withheld in order to benefit from the lower rate under the DTA. No assurance can be provided that investors will be able to receive refunds of taxes withheld in excess of the rate that they would be entitled to under an applicable DTA.

Thus, all securities under this Base Prospectus may be subject to US withholding tax if the Underlying is a US share or US index. In these cases, Securityholders will not receive any payment for such deduction to offset the deduction. Neither the Issuer nor any Paying Agent or other person is obliged to make such a payment to the Securityholders. As a result, Securityholders may receive lower payments than expected.

1.2.5 Risks associated with the Underlyings

In general, risks associated with the Underlyings are related to risks from a direct investment in the relevant Underlying, including, without limitation, the risk that the general level of value may decline (in case of Long-Securities) or rise (in case of Short-Securities). Investors will not qualify as beneficial owners of the relevant Underlying and therefore will not be entitled to any rights or other control rights that holders of the Underlying may have with respect to the issuer of such underlying, nor will they be entitled to receive any proceeds or similar amounts paid on the Underlying. Therefore, investors should seek advice accordingly. The following specific risks are relevant to the individual Underlying.

(a) Index as Underlying

(aa) Dependency on the value of the index components

The index value depends on the value of its components. Prospective investors should understand that global economic, financial and political developments, among other things, may have a material effect on the value of the index components and/or the performance of an index underlying any Security (the "Index"). Changes in the prices of assets comprising the Index, the structure of the Index and other factors that affect the value of the Index components also influence the value of the Securities linked to the relevant Index and can thus influence the yield from an investment in the relevant Securities. The Issuer has no influence on the performance and structure of an Index or the performance of the relevant Index components. Variations in the value of one Index component may be intensified or compensated by variations in the value of other Index components. This can trigger or intensify a decline in the Index level. In such cases, there is a risk that the risks associated with the Securities as set out in Section 2.2.1 may occur with a higher probability. In case such risks materialise, this may result in a total or partial loss of the respective capital amount invested by the Securityholders.

(bb) Cessation of Index

An Index used as an Underlying may not be available for the entire term of the Securities. The Index may be cancelled or replaced. In these cases such Securities may be terminated by the Issuer. In such a case, the Redemption Amount may be lower than the capital invested and a risk of loss to the detriment of the Securityholders may materialise.

(cc) Concentration Risk

The level of the Index may be affected by the economic, financial and political events in one or more jurisdictions. Investors may also be exposed to a concentration risk, when the Index primarily mirrors the performance of assets of some countries or some industries. In case of an adverse economic development in a country or in relation to a particular industry, investors may be unfavourably affected. Several countries or industries may be weighted unevenly, so that, in the event of an unfavourable development in one country or industry with a high index weighting, the value of the Index may be affected disproportionately by this adverse development. In these cases, there is a risk that the risks associated with the Securities as set out in Section 2.2.1 may occur with a higher probability. In case such risks materialise, this may result in a total or partial loss of the respective capital amount invested by the Securityholders.

In addition investors should be aware that the choice of Index does not depend on the expectations or estimates of the Issuer regarding the future development of the selected Index.

Depending on the calculation methodology of the Index, where the performance of the Index is relevant for calculating payments due under the Securities, the payment of income (such as dividends in case of equity security indices) may not be reflected as the Index may be calculated by reference to the prices of the index components comprising the Index without accounting for the value of any income paid on those index components. Consequently in such a case, the return on the Securities may be less than the return from a direct investment in the assets comprised in the Index.

(dd) No dividend payments

Prospective investors should also note that any dividends paid to beneficiaries/holders of index components comprising the Index will not be received by the Issuer or paid to Securityholders. Consequently, the return on the Securities may be less than the return from a direct investment in the index components comprising the Index. The Redemption Amount payable by the Issuer might be substantially lower than the Issue or purchase price invested by the Securityholder and may even be zero in which case the Securityholder may lose his entire investment.

(ee) Index composition publication

The index composition may be published on a website or other media described in the index methodology of the relevant index. Such publication of any updated composition might be significantly delayed. In such circumstances, the published composition may not correspond to the actual composition of the relevant index. The delay can be significant and may last several months. As a result, the calculation of the relevant index may not be fully transparent to Securityholders. Therefore, Securityholders bear the following risk: The value of the Securities calculated on the basis of the published index may differ from the actual and daily value of the index. Consequently, the proceeds from the sale of the Securities may differ from the actual value of the Securities. In case such risks materialise and the actual value of the index would be better than calculated on the basis of the published index, this may result in a total or partial loss of the respective capital amount invested by the Securityholders.

(b) Futures Contract as Underlying

(aa) Discrepancy between price of Futures Contract and spot price of the Underlying

In some market phases there is no great correlation between the development of the price of the futures contract and the spot prices of the related underlying. Additionally, market phases could occur in which the development of the price of the futures contract on the futures exchange is uncorrelated to the development of the price of the related underlying in the spot market. Hence, there is a risk, that the price of the futures contract may not (contrary to the investor's expectations) develop in line with the spot price of the related underlying. If the price of the futures contract does not develop in line with the spot price of the related underlying, the risks associated with the Securities as set out in Section 2.2.1 may occur with a higher

probability. In case such risks materialise, this may result in a total or partial loss of the respective capital amount invested by the Securityholders.

(bb) Roll-Over

The Issuer may replace the relevant underlying futures contract with a futures contract that has a later expiry date than the initial underlying futures contract, but is other than that subject to the same contractual provisions (hereafter "Roll-over"). The difference between the reference price of the new futures contract and the reference price of the previous futures contract, will be reflected in the Strike and the Knock-out Barrier of the Security. If the Strike and the Knock-out Barrier of the Security move closer to the current price of the Underlying, the Roll-over may have a substantial negative effect on the value of such Security. Further, the Roll-over entails the risk that certain parts of the terms and conditions may be changed or, under certain circumstances, that the Securities may be terminated. This may lead to losses and even to the total loss of the capital amount invested by the Securityholders.

(cc) Tick Size

Price quotation of Futures Contracts could be defined in units (for example currencies, index points, percentage points) or in decimal fractions by the futures exchange. Additionally, prospective investors should note that the minimum price fluctuation, the so-called tick size, of the futures contract may affect the occurrence of a Knock-out Event. The tick-size could be defined differently by the futures exchange (e.g. EUR 5.00 in the case of the FTSE MIB Futures Contract or 0.5/32 in the case of the 10-year US Treasury Note Futures Contract). A price change by one tick-size on the futures exchange can therefore lead to a Knock-out Event, if the difference between the current value of the Securities and the Knock-out Barrier is within the range of the tick-size. In this case, the investors suffer a total loss.

(dd) Specific risks associated with Futures Contracts on commodities

Securityholders linked to the price of commodities like oil are exposed to substantial price risks as prices of commodities are subject to great fluctuations. The prices of commodities and therefore the risks associated with commodities are influenced by a number of factors, including, *inter alia*, the following factors:

(1) Cartels and regulatory deviations

Several producers or manufacturing countries of commodities have formed organisations or cartels to regulate supply and consequently influence prices of these commodities. Furthermore, the trading in commodities is correspondingly subject to regulations forced by supervisory authorities or market rules whose application may also affect the expansion of the prices of the relevant commodities.

(2) Direct investment costs

A direct investment in commodities is linked to costs for *inter alia* storage, insurance and taxes. No interest or dividends are paid for investments in commodities. Investors should note that the overall yield of an investment is influenced by these factors.

(3) Liquidity

Commodity markets are in general not very liquid and may therefore not be able to react promptly and adequately to changes in supply and demand. Such low liquidity coupled with speculative investments by individual market participants may cause price distortions.

(4) Political risks

Commodities are commonly produced in emerging markets and depend on the demand from industrialised countries. The political and economic situation of emerging markets is often not as stable as that of industrialised countries. Emerging markets are exposed to a larger risk of swift political changes and opposing economic developments. In addition, political crises can adversely affect investors' confidence, which may in turn affect commodity prices. Conflicts or wars may alter the supply and demand in relation to certain commodities. Furthermore, industrialised countries may impose embargoes concerning the import and export of goods and services.

A materialisation of these price risks relating to commodities may have a negative effect on the price of the Futures Contract. As a result, the value of the Securities may be adversely affected and the risks set out in Section 2.2.1 are more likely to occur. In case such risks materialise, this may result in a total or partial loss of the respective capital amount invested by the Securityholders.

(c) Gold as Underlying

Securityholders linked to gold are exposed to substantial price risks as the price of gold is subject to great fluctuations. The price of gold is influenced by a number of factors, including, *inter alia*, the following factors:

(1) Alliances and regulatory changes

Several firms or countries that are mining gold have formed organisations or alliances to control the supply and thus influence the price. In addition, the trading in gold depends on regulations imposed by supervisory authorities or market rules whose application may also affect the development of the price.

(2) Direct investment costs

A direct investment in gold is associated with costs for *inter alia* storage, insurance and taxes. In addition, no interest or dividends are paid for investments in gold. Investors should note that the overall yield of an investment is influenced by these factors.

(3) Liquidity

Gold markets are in general not very liquid and may therefore not be able to react promptly and adequately to changes in supply and demand. Such low liquidity coupled with speculative investments by individual market participants may cause price distortions.

(4) Political risks

Gold is frequently produced in emerging markets and depend on the demand from industrialised countries. The political and economic situation of emerging markets is often not as stable as that of industrialised countries. Emerging markets are exposed to a larger risk of swift political changes and opposing economic developments. In addition, political crises can adversely affect investors' confidence, which can in turn affect the gold price. Conflicts or wars may alter the supply and demand in relation to gold. Furthermore, industrialised countries may impose embargoes concerning the import and export of goods and services. This could have a direct or indirect impact on the price of gold as Underlying.

A materialisation of these price risks may have a negative effect on the price of golds. As a result, the value of the Securities may be adversely affected and the risks set out in Section 2.2.1 are more likely to occur. In case such risks materialise, this may result in a total or partial loss of the respective capital amount invested by the Securityholders.

(d) Currency Exchange Rate as Underlying

The performance of currency exchange rates is dependent upon the supply and demand of currencies in the international foreign exchange markets and are influenced by economic factors, including inflation rates in the relevant country, interest rate differences between the respective countries, the expected economic development, the international political situation, fiscal and monetary policy, government debt, the convertibility of one currency into another and the security of a financial investment in the relevant currency.

Currency exchange rates, such as the rates to which the Securities are linked (each a "Currency Exchange Rate") are influenced by measures undertaken by governments and central banks, including imposition of regulatory controls or taxes, alteration of the exchange rate by devaluation or revaluation of a currency or imposition of exchange controls with respect to the exchange or transfer of a specified currency that would affect exchange rates as well as the availability of a specified currency. Any such measures could have a negative impact on the value of a currency exchange rate and consequently the value of the Securities.

Furthermore, unpredictable factors, such as crises of confidence in the financial stability or the political leadership of a country or other speculation may cause currency exchange rates to fluctuate abruptly, when capital moves quickly out of regions that are perceived to be more vulnerable with sudden and severely adverse consequences to the relevant currencies as a result.

These factors can be reflected accordingly in the exchange rates and thus have a negative effect on the value of the Securities with exchange rates as their Underlying. Consequently, the risks identified in Section 2.2.1 may be more likely to occur. This may result in a total loss for the investor.

(e) Shares as Underlying

(aa) Dependency on the company's share price

Securityholders investing in Securities with shares as Underlying are exposed to similar risks as if they were investing directly in the shares.

These cover the risks resulting from the fluctuations in the company's share price, including the risk that the company becomes insolvent and insolvency proceedings, or in the case of a company abroad comparable proceedings, are opened against the company's assets. In all these cases, Securityholders are exposed to the risk that the relevant shares as the Underlying will become worthless and that the risks set out in Section 2.2.1, which arise from the type of security, will materialise accordingly. The Securityholders will then suffer a total loss.

(bb) Legal certainty in the country where the company has its registered office

Additional risks exist in the case of shares in companies with a registered office or business activity in countries with a low degree of legal certainty. The risk may, for example, be the implementation of unforeseeable governmental measures or nationalisation. This can lead to a total or partial loss of the value of the shares. In case such risks materialise, this may result in a total or partial loss of the respective capital amount invested by the Securityholders.

(cc) No consideration of dividends and distributions

Unlike a direct investment in the shares, Securityholders linked to shares do not receive dividends or other distributions. Paid or expected distributions (such as dividends) on an underlying share need not be reflected in the price of the Securities. Thus, a Securityholder bears the risk that the more the success of a company is reflected in dividend payments or distributions, the more the Securities with shares of this company as Underlying do not, or do not sufficiently, reflect this company's success.

(dd) Volatility and illiquidity of shares

Shares of companies with a low to medium market capitalisation may be subject to higher risks than shares of larger companies. The risks exist in particular with regard to the volatility of the shares and a possible insolvency of the companies. Furthermore, shares of companies with low market capitalisation may be extremely illiquid due to low trading volumes. This volatility and illiquidity can have a negative impact on the share price and therefore the risks associated with the Securities as set out in Section 2.2.1 may occur with a higher probability.

(ee) Adjustment measures for shares

Securities with a share as Underlying are also subject to adjustment measures that may result from events relating to the company issuing the shares. Such adjustment measures become necessary in the event of capital measures (e.g. capital increases) of the company concerned. It cannot be excluded, that an adjustment measure may later prove to be incorrect or disadvantageous for the Securityholder. It is also possible that a Securityholder is placed in a worse economic position as a result of the adjustment measure than before such an adjustment measure. In such cases, there is a risk that the risks associated with the Securities as set out in Section 2.2.1 may occur with a higher probability.

(f) Crypto Currencies as Underlying

(aa) The value of a crypto currency can change rapidly and fall to zero (0)

"Crypto currencies" is a commonly used generic term that includes cryptographic currencies such as Bitcoin, Ethereum and Ripple. The term crypto currency refers to a specific type of unregulated virtual money that is not issued or backed by a central bank. The exchange rates between a currency and a crypto currency are basically determined by supply and demand at certain trading venues where this crypto currency is traded. These exchange rates can be influenced by various factors, comparable to the factors for currency exchange rates (see Section 1.2.5 (d) above). Exchange rate fluctuations can affect the value of the Securities and the amounts to be paid.

The price of a crypto currency depends on various factors that are beyond the Issuer's control. In particular, it should be noted that the value of a crypto currency is very strongly linked to the confidence investors have in this crypto currency. If investors' confidence in the crypto currency declines, the value of this crypto currency will also decline. The market value of a crypto currency is generally based neither on a type of claim nor on a physical asset. Instead, the market value depends primarily on the expectation that it can be used for transactions in the future or - as in the case of the crypto currency Bitcoin, for example - will continue to be used for transactions. This strong correlation between an expectation and the market value is the basis for the current and probably also future volatility in the market value of the crypto currency. Investors in crypto currencies (and thus indirectly also investors in Securities with crypto currencies as Underlying) are also exposed to increased risks of fraud and loss. Investors are therefore exposed to an increased risk of the Issuer determining that a hedging failure has occurred. If the Issuer detects a hedging disruption, investors face a total loss risk, as the final fixing could result in an Underlying valuation of zero (0).

The value of a crypto currency can change rapidly and fall to zero (0). It should be noted that the value of a crypto currency is very volatile and can fall or rise very quickly. If the reputation or acceptance of a crypto currency declines, the value of this crypto currency may fall quickly and permanently. The market value of a crypto currency is not dependent on a claim or reference value; it is generally dependent on the expectation of investors that the crypto currency can be used as a transaction currency and means of payment in the future. The strong interdependence between the expectation and the market value leads to increased volatility of the market value of a crypto currency. Acceptance of a crypto currency may decline if, among other things, this crypto currency is not or is no longer accepted as a means of payment, which has a negative impact on the market value of the crypto currency and thus on the value of the Securities. This may lead to a loss of the investor's investment. The more the market value of the crypto currency declines, the greater the loss investors will suffer.

(bb) Risks associated with exchange rate fluctuations

If the Underlying is a crypto currency expressed in another currency (e.g. USD per 1 Bitcoin), the performance of the Security is influenced by the performance of such currency.

Exchange rates between crypto and national currencies are determined by supply and demand on the respective trading venues, which are influenced by various factors such as speculation, economic factors, intervention by central banks and government agencies or other political factors (including buying and selling restrictions). Fluctuations in exchange rates may have a negative effect on the value of the Securities. As a result, the value of the Securities may be adversely affected and the risks set out in Section 1.2.1 may occur with a higher probability. In case such risks materialise, this may result in a total or partial loss of the respective capital amount invested by the Securityholders.

(cc) Low number of transactions

Crypto currencies are only used to a limited extent as a means of payment. This is due in particular to the currently low acceptance as a means of payment. Compared to cashless transactions in currencies such as USD, EUR or GBP, transactions in crypto currencies are extremely low. In addition, the equivalent value of crypto currency transactions in a currency such as USD is difficult to measure due to the sometimes very strong

exchange rate fluctuations. As a result, the value of the Securities may be adversely affected and the risks set out in Section 1.2.1 may be more likely to occur. In case such risks materialise, this may result in a total or partial loss of the respective capital amount invested by the Securityholders.

(dd) Risks associated with rising costs

There is a risk that the costs associated with a transaction in a crypto currency could increase, which could affect the acceptance of one or more crypto currencies. In addition, fees - comparable to those charged by banks - could be charged. This may lead users to turn away from certain crypto currencies and turn to alternative crypto currencies or systems. This may adversely affect the reputation and acceptance of the crypto currency concerned and have a negative impact on the market value of this crypto currency. As a result, the value of the Securities may be adversely affected and the risks set out in Section 1.2.1 may occur with a higher probability. In case such risks materialise, this may result in a total or partial loss of the respective capital amount invested by the Securityholders.

(ee) Risks associated with competing crypto currencies

Although some crypto currencies, such as Bitcoin, currently have a significant status within the crypto currencies and in the public perception, there is a risk that other crypto currencies will have or gain competitive advantages and that the importance of currently successful crypto currencies will decrease and they may even be forced out of the market. With the decline in the importance of crypto currencies, there is a risk that the value of the crypto currency in question will decline or even become zero (0). As a result, the value of the Securities may be adversely affected and the risks set out in Section 1.2.1 may occur with a higher probability. In case such risks materialise, this may result in a total or partial loss of the respective capital amount invested by the Securityholders.

(ff) Political and legal risks

The legal status of crypto currencies may differ in different countries. The lack of a uniform regulatory, legal and tax framework makes it difficult to assess risks in this context. Since crypto currencies are often unregulated assets, there is a risk that future political, regulatory and legal (including tax) changes could negatively impact the market for crypto currencies and companies operating in this market. This could result in a negative impact on the value of the crypto currency concerned. As a result, the value of the Securities may be adversely affected and the risks set out in Section 1.2.1 are more likely to occur. In case such risks materialise, this may result in a total or partial loss of the respective capital amount invested by the Securityholders.

(gg) Risks associated with trading venues

Crypto currencies can be bought directly from an owner or via a trading venue. These venues may not be regulated. Several trading venues have already had to cease operations or have been closed for other reasons - in some cases due to hacker attacks. In case such risk materialises, certain parts of the terms and conditions may need to be changed or the Securities may need to be terminated, particularly if trading in a relevant crypto currency will be suspended or limited. This may lead to losses and even to the total loss of the capital amount invested by the Securityholders.

(hh) Crypto currency transactions can be used for criminal activities

Crypto currency transactions are public, but the owners and recipients of these transactions are not. The transactions are almost impossible to trace and offer a high degree of anonymity to crypto currency users. The crypto currency network can therefore be used for transactions that serve criminal activities such as money laundering. Such misuse can lead to law enforcement agencies closing trading centres and thus denying access to the credit balance on the venue. In case such risk materialises, certain parts of the terms and conditions may need to be changed or the Securities may need to be terminated, particularly if trading in a relevant crypto currency will be suspended or limited. This may lead to losses and even to the total loss of the capital amount invested by the Securityholders.

(ii) Risks in connection with the further development of a crypto currency

There is a risk that source codes or protocols will be further developed and that this will lead to a division of the crypto currency into several protocols for various reasons (so-called "**hard fork**"). A hard fork is a fundamental change in consensus rules so that computers running the old code no longer generate transactions that are recognized as valid by computers running the new code. A hard fork can be indisputable, contentious, or a spin-off. An indisputable hard fork can be compared to a software upgrade that all (or almost all) users agree to, so that the change results in only one network and one set of rules. In a disputed hard fork, disagreements among users can lead to two competing incompatible networks vying for the same brand. For example, the Bitcoin network was spun-off on August 1, 2017, resulting in Bitcoin (BTC) and Bitcoin Cash (BCH).

Unlike a hard fork, crypto currencies can also be the subject of a soft fork. A soft fork is a change to the protocol that is backward compatible. This means that updated network nodes remain in the same network as non-updated network nodes. For example, the Bitcoin network activated the "SegWit" soft fork on August 24, 2017. SegWit separated two blocks of the Bitcoin block: transaction data and the corresponding transaction signatures. This data separation doubled the throughput of the Bitcoin network from seven transactions to 14 transactions per second. It also fixed a bug in the Bitcoin protocol known as "transaction malleability", which made it easier to build additional networks that reference or complement the Bitcoin block chain.

In connection with a hard fork or soft fork or other process that results in a division or split of Bitcoin or other crypto currencies into multiple, possibly non-fungible assets, trading venues on which crypto currencies are traded may temporarily suspend the ability to deposit or withdraw or buy and sell the relevant crypto currency on such trading venue until the risks and consequences that may result from such process (such as repeat attacks or network instability) have been finally assessed. This may take several days, but is usually not predictable. During such a temporary suspension, there is a risk that the market maker will not provide bid and ask prices for the Securities.

In addition, in the event of a hard fork or soft fork or other process leading to a division or split of Bitcoin or other crypto currencies into multiple, possibly non-fungible values, the Issuer has the right to take appropriate measures to take into account the effects of such process. There is no entitlement to compensation or ownership of such assets arising in connection with or as a result of a spin-off. As a result, the value of the Securities may be adversely affected and the risks set out in Section 1.2.1 are more likely to occur. This may result in a total or partial loss of the respective capital amount invested by the Securityholders in case such risks materialise.

3 Consent to the use of the Prospectus

With respect to Art. 5 (1) of the Prospectus Regulation the Issuer consents to the use of the Base Prospectus as long as the Base Prospectus is valid in accordance with Art. 12 of the Prospectus Regulation and accepts responsibility for the content of the Base Prospectus also with respect to subsequent resale or final placement of the Securities by any financial intermediary (each such financial intermediary an "**Authorised Offeror**").

Such consent is given for the Federal Republic of Germany and the following states within the EEA, in which the Base Prospectus has been passported: Austria, Belgium, Finland, France, Italy, Ireland, the Netherlands, Norway, Portugal, Spain and Sweden. Such consent is also given for the United Kingdom.

Such consent is subject to the Authorised Offeror complying with the terms and conditions described in this Base Prospectus and the relevant Final Terms as well as any applicable selling restrictions. The distribution of this Base Prospectus, any supplement to this Base Prospectus and the relevant Final Terms as well as the offering, sale and delivery of Securities in certain jurisdictions may be restricted by law.

The Authorised Offeror and/or each person into whose possession this Base Prospectus, any supplement to this Base Prospectus and the relevant Final Terms come are required to inform themselves about and observe any such restrictions. The Issuer reserves the right to withdraw its consent to the use of this Base Prospectus in relation to any Authorised Offeror.

In the event of an offer being made by any Authorised Offeror, such financial intermediary will provide information to investors on the terms and conditions of the offer, including information regarding costs and expenses (if any), at the time the offer is made.

Any further financial intermediary using the Base Prospectus shall state on its website that it uses the Base Prospectus in accordance with this consent and the conditions attached to this consent.

4 General information

4.1 Persons responsible – Important notice

Raydius GmbH, having its registered office at Westhafen Tower, Westhafenplatz 1, 60327 Frankfurt am Main, Federal Republic of Germany and having its statutory seat in Frankfurt am Main, Federal Republic of Germany, and Market Data Limited, having its registered office at Cannon Bridge House, 25 Dowgate Hill, London EC4R 2YA, United Kingdom and having its statutory seat in London, United Kingdom, and Brightpool Limited, Christodoulou Chatzipavlou, 221 HELIOS COURT, 3rd floor, 3036, Limassol, Cyprus, assume responsibility for the information contained in this Base Prospectus in accordance with Article 11(1) sentence 2 of the Prospectus Regulation.

The Issuer, Market Data Limited and Brightpool Limited hereby declare that, to the best of their knowledge, the information contained in the Base Prospectus is in accordance with the facts and that the Base Prospectus makes no omission likely to affect its import.

This Base Prospectus contains forward-looking statements. Forward-looking statements are statements that are not historical facts, including statements about the Issuer's and/or MDL's beliefs and expectations. Any statement in this Base Prospectus that states intentions, beliefs, expectations or predictions (and the assumptions underlying them) is a forward-looking statement. These statements are based on plans, estimates, and projections as they are currently available to the Issuer and/or MDL. Forward-looking statements therefore speak only as of the date they are made, and each of the Issuer and MDL undertakes no obligation to update publicly any of them in light of new information or future events. Forward-looking statements involve inherent risks and uncertainties. A number of important factors could therefore cause actual results of the Issuer and/or MDL or of the Securities to differ materially from those contained in any forward-looking statement.

In this Base Prospectus, all references to "€", "Euro", or "EUR" are to the currency introduced at the start of the third stage of European economic and monetary union pursuant to the Treaty establishing the European Community, as amended and all references to "U.S. dollars", "U.S.\$", "USD" and "\$" refer to United States dollars and all references to "Sterling", "GBP" and "£" refer to the currency of the United Kingdom.

4.2 Statement on BaFin approval

This Prospectus has been approved by the Bundesanstalt für Finanzdienstleistungen (the "**BaFin**") in its capacity as competent authority for the Federal Republic of Germany in accordance with the Prospectus Regulation. The BaFin only approves this Prospectus as meeting the standards of completeness, comprehensibility and consistency imposed by the Prospectus Regulation. Such approval should not be considered as an endorsement of the Issuer or of the quality of the Securities that are the subject of this Prospectus. Investors should make their own assessment as to the suitability of investing in the Securities. The Issuer has requested BaFin to provide the competent authorities in Austria, Belgium, Finland, France, Italy, Ireland, the Netherlands, Norway, Portugal, Spain and Sweden (each a "**Member State**") and the United Kingdom (the "**UK**") and may request BaFin to provide competent authorities in additional host Member States within the European Economic Area (the "**EEA**") and the UK, with a certificate of approval attesting that this Prospectus has been drawn up in accordance with the Prospectus Regulation.

The applicable final terms relating to an individual series of Securities (the "**Final Terms**") will specify in which Member State of the EEA and/or the UK, as applicable, the Securities will be offered to the public.

4.3 Benchmarks Regulation statement

Amounts payable under Long Index Turbo Warrants, Short Index Turbo Warrants, Long Index Open End Turbo Warrants and Short Index Open End Turbo Warrants may be calculated by reference to a benchmark within the meaning of the Regulation (EU) 2016/1011 (the "**Benchmarks Regulation**"). The applicable Final Terms will state the benchmark's administrator (the "**Administrator**") and whether or not the Administrator appears on the register of administrators and benchmarks established and maintained by the European Securities and Markets Authority ("**ESMA**") pursuant to Article 36 of the Benchmarks Regulation.

4.4 Description of the Issuer

The description of the Issuer can be found in the Registration Document of the Issuer dated 28 May 2020. The information contained in the Registration Document is incorporated by reference and forms part of this Base Prospectus (see Section 9 "*Information incorporated by reference*").

4.5 Description of MDL

4.5.1 About MDL

Market Data Limited ("**MDL**") is a private limited company incorporated in England and Wales under registration number 05022252 with its registered address at Cannon Bridge House, 25 Dowgate Hill, London EC4R 2YA, United Kingdom and operates under the laws of England & Wales. MDL's telephone number is +44 207 896 0011. The legal entity identifier ("**LEI**") is: 213800Q2ZDSSC2KFAI43.

MDL was incorporated in the United Kingdom on 21 January 2004. The memorandum of association and the articles of association of MDL were filed with the Companies House, London on 21 January 2004. The articles of association were subsequently amended by resolutions as published by the Companies House, London on 21 April 2004 and 24 March 2011.

MDL commenced trading on 8 April 2004 when it acquired the entire share capital of IG Index plc, IG Markets Limited, IG Ventures Limited and IG Australia (Pty) Limited from IG Group Limited.

Market Data Limited distributes market data to other group companies, a business line which has grown from generating revenue of GBP 48,835 at its inception in the financial year ended 31 May 2004 to generating revenue of GBP 11,804,000 in the financial year ended 2019. This growth is as a result of increasing client demand for services on other group companies.

The total equity of MDL has remained consistently strong, in particular since the year ended 31 May 2009 when MDL generated profits of GBP 611,456,000 in relation to the sale of its two subsidiary businesses IG Index plc and Extrabet Limited.

These profits were eroded by MDL's impairment of its subsidiaries IG Finance 5 Limited in the year ended 31 May 2009 (an impairment charge of GBP 78,942,955) and the impairment of Fox Japan Holdings Limited in the year ended 31 May 2010 (an impairment charge of GBP 188,519,254).

Since 31 May 2010, Market Data Ltd has primarily distributed and received dividends in fulfilling its principle activity as a holding company, distributing debt and equity capital to its subsidiaries. MDL has remained profitable as a result of these activities since the financial year ended 31 May 2014, continuing to strengthen its financial position by increasing total equity through-out this period.

In the financial year ended 31 May 2018 MDL received dividend income totalling GBP 595,000,000 from its subsidiaries. This increased MDL's total equity balance from 31 May 2017, which had previously been GBP 37,802,000 to GBP 381,301,000.

At 31 May 2019, MDL had total equity of GBP 401,411,000. MDL has obtained this position of financial security through its income from investments in subsidiaries. MDL is the sole shareholder of the majority of trading companies within IG Group and as such is the direct recipient of the returns on the equity and debt capital it provides to its subsidiaries.

On 24 March 2017, MDL purchased Brightpool Limited and on 20 July 2018 MDL purchased Raydius GmbH.

As of 23 March 2020, the fully paid-up share capital of MDL amounts to GBP 21,139,180 (in words: twenty-one million one hundred thirty-nine thousand one hundred eighty Pounds Sterling). The share capital is divided into 21,139,180 ordinary shares in the nominal value of GBP 1.00 each. The shares have attached to them full voting dividend and capital distribution (including winding-up) rights and do not confer any rights of redemption.

Pursuant to 3.1 of MDL's memorandum of association, the purpose of MDL is to carry on business as a general commercial company. Organisational structure

(a) *Brief description of IG Group*

IG Group Holdings plc (together with its subsidiaries, hereafter the "**IG Group**") was established in 1974 and is a provider of online trading with a focus on contracts for difference ("**CFDs**"). IG Group has offices in 18 countries across Europe, Africa, Asia-Pacific, the Middle East and the United States ("**US**"). IG Group's head office is in the City of London and it also has operational hubs in Krakow, Poland and an IT development and testing hub in Bangalore, India. The majority of IG Group's revenue comes from CFDs, and in the United Kingdom (the "**UK**") and Ireland, financial spread betting. In 2014 IG Group also introduced a share dealing offering.

IG Group has long standing relationships with many regulatory authorities in jurisdictions where it is active. Since its incorporation, over 40 years ago, IG Group has successfully worked with the UK's Financial Conduct Authority, the Australian Securities and Investments Commission, the Monetary Authority of Singapore, the South African Financial Services Board, the US Commodity Futures Trading Commission, the Swiss Financial Market Supervisory Authority, the Japanese Financial Services Agency and the Dubai Financial Services Authority. IG Group has a proactive, transparent and co-operative approach to its relationships with regulatory authorities. IG Group has a proven track record of compliance and of maintaining high standards in the way financial products are structured and offered to sophisticated retail and professional clients.

IG Group's ethical culture is reinforced through a three lines of defence control framework. These defences include employees and managers as the front line, substantial compliance and risk departments as the second line and internal audit as the third line of defence. The second and third lines rigorously monitor and audit the work of the first line (who themselves monitor adherence to relevant policies and procedures) to ensure that IG Group continues to focus on delivering good outcomes for its clients. The third line also monitors the second line, to ensure complete business compliance. The management of each group entity receive monthly management information on client outcomes, the performance of the group and compliance with risk policies.

(b) MDL's position within IG Group

The below chart illustrates the MDL's position within IG Group:



MDL is 100 per cent owned by IG Group Limited, Cannon Bridge House, 25 Dowgate Hill, London EC4R 2YA, United Kingdom and is part of IG Group. MDL is dependent on the performance of the operating entities (each, an "OpCo") within the IG Group since MDL is the OpCos' overarching parent. This means that MDL mainly acts as a holding company of the OpCos and MDL's main revenue represents charges and dividends paid by the OpCos.

These OpCos are materially the following: IG Index Limited and IG Markets Limited.

4.5.2 Principal activities

The principal activities of MDL are (i) to contract for and redistribute market data to other entities within the IG Group; and (ii) to act as a holding company for operating entities of the IG Group, providing equity and debt capital to its subsidiaries. The principal activities are not expected to change. MDL's investments are financed by capital injections to MDL from its parent IG Group Limited that it provides for MDL to make the onward investments in its subsidiaries.

MDL's main revenue represents charges made to other entities of the IG Group for the provision of market data. MDL further receives dividends from its subsidiaries.

MDL operates as a business within the IG Group and the success of its business will be dependent on the performance of its subsidiaries. The markets it operates in will therefore be those of its subsidiaries, predominantly transactions in global financial markets.

4.5.3 Forecasts or estimates relating to profit

MDL has not prepared forecasts or estimates relating to its profits.

4.5.4 Financial information

The financial information of MDL for the years ended 31 May 2018 and 31 May 2019 (the "MDL Financial Information") with unaudited comparatives for the year ended 31 May 2017, which has been prepared in accordance with International Financial Reporting Standards (IFRSs) as adopted by the European Union, and the associated Accountant's Report (as defined below) on the years ended 31 May 2018 and 31 May 2019, are set out in Annex 1.

No other information included in this Base Prospectus has been audited by MDL's Auditors and Reporting Accountants (as defined below).

Extracts (balance sheet, income statement, cash flow statement, accounting policies and explanatory notes) from the unaudited interim financial information of MDL for the period from 1 June 2019 to 30 November 2019 are set out in Annex 2.

4.5.5 MDL's Auditors and Reporting Accountants and the Accountant's Report

PricewaterhouseCoopers LLP (hereafter "**PwC UK**") whose address is 7 More London Riverside, London, SE1 2RT, United Kingdom, is the appointed Auditor and Reporting Accountants of MDL. PwC UK is registered to carry out audit work by the Institute of Chartered Accountants in England and Wales and the Financial Reporting Council.

PwC UK's opinion on the MDL Financial Information for the years ended 31 May 2018 and 31 May 2019 (the "**Accountant's Report**") is set out in Part B of Annex 1.

4.5.6 Administrative, management, and supervisory bodies

The directors of MDL are June Yee Felix, Jonathan Mark Noble, Bridget Elizabeth Messer and Paul Richard Mainwaring, having their business address at Cannon Bridge House, 25 Dowgate Hill, London EC4R 2YA, United Kingdom (the "**MDL Directors**").

There are no potential conflicts of interest existing between any duties owed to MDL by the MDL Directors and their private interests and/or other duties. There are no principal activities performed by the MDL Directors outside of MDL which are significant with respect to MDL.

4.5.7 Major shareholders

MDL is 100 per cent owned by IG Group Limited, Cannon Bridge House, 25 Dowgate Hill, London EC4R 2YA, United Kingdom (the "**Major Shareholder**").

There are no arrangements known to MDL which might result in a change of control of MDL at a subsequent date. The Major Shareholder can exercise full control over MDL. Apart from statutory limits there are no measures in place to prevent the Major Shareholder from exercising its power in a way that is not aligned with the interests of the Securityholders.

4.5.8 Recent events

There have been no recent events particular to MDL which are to a material extent relevant to the evaluation of the MDL's solvency.

4.5.9 Significant change in MDL's financial position

There has been no significant change in MDL's financial position since 30 November 2019.

4.5.10 Significant change in the financial performance of the group

There has been no significant change in the financial performance of the group since 30 November 2019.

4.5.11 Trend information

There has been no material adverse change in the prospects of MDL since 30 November 2019.

4.5.12 Legal and arbitration proceedings

There are no governmental, legal or arbitration proceedings (including any such proceedings which are pending or threatened of which MDL is aware) during the period covering at least the previous 12 months which may have, or have had in the recent past, significant effects on MDL and/or IG Group's financial position or profitability.

4.5.13 Material contracts

Other than in the ordinary course of its business, MDL has not entered into any material contracts which could result in MDL being under an obligation or an entitlement that is material to MDL's ability to meet its obligations towards the Issuer and/or Brightpool.

4.5.14 Documents available

For the period during which this Base Prospectus remains valid, copies of MDL's memorandum of association and articles of association may be inspected electronically at the website of the Companies House: <https://beta.companieshouse.gov.uk/company/05022252>. The Keep Well Agreements (as defined below) are published on the website of the Issuer (www.raydius.de) and Brightpool (www.brightpool-markets.com), respectively.

4.5.15 Third party information and statement by experts and declarations of any interest

With respect to MDL no statement or report attributed to a person as an expert is included in this Base Prospectus nor any information which has been sourced from a third party.

4.6 Description of the Keep Well Agreements

The following section sets out a brief summary of the keep well agreements entered into between Market Data Limited ("**MDL**") as provider and each of the Issuer and Brightpool (the "**Keep Well Agreements**"). Investors should note that each Keep Well Agreement is entered into for the benefit of the Issuer and Brightpool, respectively, only. Securityholders will not have any direct claim against MDL in respect of the Keep Well Agreements:

According to the Keep Well Agreement (governed by the laws and under the jurisdiction of the courts of England & Wales) entered into between MDL and the Issuer, MDL has agreed to provide continued financial support to the Issuer to ensure that the Issuer is able to meet its financial obligations as they fall due, in particular, its financial obligations in relation to any issued but outstanding Securities, provided that the Issuer suffers losses such that the Issuer has insufficient funds to enable it to meet such financial obligations in order to continue operating as a going concern, i.e. the Issuer is not receiving the respective funds from Brightpool under the Hedge Service Agreement (as defined and described below).

According to the Keep Well Agreement (governed by the laws and under the jurisdiction of the courts of England & Wales) entered into between MDL and Brightpool, MDL has agreed to provide continued financial support to and for the benefit of Brightpool to ensure that Brightpool is able to meet its financial obligations as they fall due, in particular, in relation to Brightpool's obligations under the Hedge Service Agreement, provided that Brightpool suffers losses such that Brightpool has insufficient funds to enable it to meet such financial obligations in order to continue operating as a going concern. Brightpool has only limited substance as it is a recently established entity within the IG Group. Accordingly, Brightpool has been provided with the Keep Well Agreement by MDL as it is possible that Brightpool may not, in all circumstances or market conditions, have sufficient capital or assets of its own to meet all of its obligations to the Issuer under the Hedge Service Agreement.

According to the so-called hedge service agreement entered into on 14 August 2019 between the Issuer and Brightpool (such agreement as amended from time to time the "**Hedge Service Agreement**"), the Issuer and Brightpool will agree from time to time that the Issuer issues Securities and Brightpool purchases such Securities. In case the Issuer and Brightpool agree on the purchase of Securities, Brightpool will be obliged to pay the relevant purchase price to the Issuer. Brightpool will partially on-transfer the issue price received from the Securityholders to the Issuer in order to discharge its obligation to pay the purchase price and set-off the greater part with its own claims against the Issuer. Brightpool in turn procures to enter into appropriate hedging arrangements and will discharge the Issuer's obligations under the Securities when due and payable.

4.7 Description of the Securities

The Securities are derivative bearer debt securities (*Inhaberschuldverschreibungen*).

The Redemption Amount due on the maturity date, in case of Turbo Warrants, or on the relevant exercise date, in case of Open End Turbo Warrants, or in case of an ordinary or extraordinary termination depends on the value of the underlying at the time of such maturity, exercise or termination.

4.7.1 Ranking

The Securities rank *pari passu* among themselves and equally with all other unsecured obligations (other than subordinated obligations, if any) of the Issuer from time to time outstanding.

4.7.2 Governing law

The form and content of the Securities and the rights and duties, respectively, of the Securityholders, the Issuer, and the Paying Agent shall in all respects be governed by the laws of the Federal Republic of Germany. Place of performance is Frankfurt am Main, Federal Republic of Germany. Non-exclusive place of jurisdiction shall be Frankfurt am Main, Federal Republic of Germany.

4.7.3 Clearing System

The Securities are issued in book-entry form as bearer debt securities and deposited with Clearstream Banking AG, Mergenthalerallee 61, 65760 Eschborn, Federal Republic of Germany (the "**Clearing System**"). The Securities may be transferred in accordance with the rules of the Clearing System. The Securities are freely transferable, subject to the offering, transfer and selling restrictions which apply in certain jurisdictions (including, without limitation, the United States), the applicable law and the rules and regulations of the Clearing System.

4.7.4 Settlement procedure

Any cash amounts payable by the Issuer shall be transferred to the relevant Clearing System for distribution to the Securityholders. The Issuer will be discharged of its payment and/or delivery obligations by payment and/or delivery to, or to the order of, the relevant Clearing System in respect of the amount so paid or delivered.

4.7.5 Payments

All determinations and calculations pursuant to the terms and conditions will be made by the Issuer and a calculation agent has not been appointed. The Redemption Amount shall be paid to the Securityholders not later than a number of payment business days specified and defined in the applicable Final Terms following the Valuation Date. In case of Mini-Futures, following a Knock-Out Event the Stop-Loss Redemption Amount shall be paid to the Securityholders not later than a number of payment business days specified and defined in the applicable Final Terms following the Knock-Out-Event. The Issuer assumes responsibility for the withholding of taxes at the source as further specified in §4 (*Taxes*) of the General Terms.

4.7.6 Information specified in the applicable Final Terms

The following information relating to the Securities will be specified in the applicable Final Terms:

- International Securities Identification Number ("**ISIN**") or other means of identification of the individual Security;
- the currency in which the Securities will be denominated;
- in the case of new issues, a statement of the resolutions, authorisations and approvals by virtue of which the Securities will be created and issued;
- issue date, maturity date (in case of Turbo Warrants), exercise date(s) (in case of Open End Turbo Warrants), payment date(s); reference price of the relevant Underlying;
- an indication where information about the past and the further performance of the Underlying and its volatility can be obtained;

- name of the Underlying and where information about the Underlying can be obtained.

4.7.7 Rights attached to the Securities

(a) Redemption at maturity in case of Turbo Warrants

The Securityholders' option right pursuant to §2 of the Product Terms (the "**Option Right**") will be automatically exercised on the maturity date, provided that the relevant Redemption Amount is a positive amount at that time.

See sections "*Product No. 1: Turbo Warrants (Long-Securities)*" and "*Product No. 2: Turbo Warrants (Short-Securities)*" below for a detailed explanation of the relevant Redemption Amount.

(b) Redemption upon exercise in case of Open End Turbo Warrants

Securityholders may exercise their option right pursuant to §2 of the Product Terms (the "**Option Right**"). Such option can only be exercised for a minimum exercise number of Warrants or for an integral multiple thereof. In order to validly exercise the Option Right, in relation to an exercise date the Securityholder needs to ensure the delivery of an exercise notice in accordance with §2 (6) of the Product Terms.

See sections "*Product No. 3: Open End Turbo Warrants (Long-Securities)*" and "*Product No. 4: Open End Turbo Warrants (Short-Securities)*" below for a detailed explanation of the relevant Redemption Amount.

(c) Ordinary termination by the Issuer

The Issuer may elect to terminate Open End Turbo Warrants on any ordinary termination date specified in the applicable Final Terms. Upon such termination Securityholders will receive the Redemption Amount and the relevant ordinary termination date will constitute the valuation date. Such termination will be announced to the Securityholders in accordance with the terms and conditions.

(d) Extraordinary termination by the Issuer

The Issuer may elect to terminate the Securities upon the occurrence of certain extraordinary events, such as a hedging disruption or change in law, or, in case of an Index as Underlying, upon the occurrence of an index modification or index benchmark event, each as defined in the terms and conditions, in each case if applicable. Such termination will be notified to the Securityholders in accordance with the terms and conditions and the Issuer will pay the extraordinary termination amount per Security which will be equal to an amount that is equivalent to their fair market value minus any expenses actually incurred by the Issuer under transactions that were required for winding up any hedging transactions.

(e) Extraordinary termination by the Securityholders

The Securityholders shall be entitled to extraordinarily terminate the Securities in case a material deterioration in the financial condition of the Issuer occurs.

4.7.8 Product No. 1: Turbo Warrants (Long-Securities)

Turbo Warrants (Long-Securities) grant the investor the right to receive the payment of a cash amount in respect of each Turbo Warrant, unless the price or level of the Underlying reaches or falls below a specified level or price as outlined below.

If during the observation period the price of the Underlying is at least once **equal to or below** the applicable knock-out barrier (the occurrence of a "**Knock-out Event**"), the Turbo Warrants expire worthless.

The knock-out barrier will be equal to the initial strike, and periodically adjusted.

If a Knock-out Event has not occurred during the observation period, the Securityholder will receive an amount in the issue currency on the Maturity Date which shall be equal to (i) the amount by which the reference price of the Underlying on the relevant valuation date determined as at the valuation time **exceeds** the strike applicable on such valuation date multiplied by (ii) the applicable ratio specified as a decimal figure in the

applicable Final Terms (the "**Ratio**") as converted into the Issue Currency (if applicable) (the "**Redemption Amount**").

The applicable strike, knock-out barrier, observation period, issue currency, reference price, valuation date, the valuation time and ratio will be specified or defined in the applicable Final Terms.

The strike of the Turbo Warrants (Long-Securities) is adjusted continuously by a Funding Amount which is determined as defined in the applicable Final Terms. Such Funding Amount includes a risk adjustment factor which is determined and retained by the Issuer and provided that such factor is not zero, will have a value-decreasing effect on the Redemption Amount. This factor may during the term of the Turbo Warrants periodically increase (thus having a value-decreasing effect) or decrease (thus having a value-increasing effect compared to the previous value of the risk adjustment factor).

The risk of disproportionately high losses is a particular feature of leverage products such as the Turbo Warrants. The leverage effect (gearing) of the Turbo Warrants, essentially arises out of the considerably smaller amount of capital, as compared to a direct investment in the Underlying, that needs to be committed by the investor in order to speculate on the price movement of the Underlying.

4.7.9 Product No. 2: Turbo Warrants (Short-Securities)

Turbo Warrants (Short-Securities) grant the investor the right to receive the payment of a cash amount in respect of each Turbo Warrant, subject to the price or level of the Underlying not reaching or surpassing a specified level or price as outlined below.

If during the observation period the price of the Underlying is at least once **equal to or above** the applicable knock-out barrier (the occurrence of a "**Knock-out Event**"), the Turbo Warrants expire worthless.

The knock-out barrier will be equal to the initial strike, and periodically adjusted.

If a Knock-out Event has not occurred during the observation period, the Securityholder will receive an amount in the issue currency on the Maturity Date which shall be equal to (i) the amount by which the reference price of the Underlying on the relevant valuation date determined as at the valuation time **is exceeded by** the strike applicable on such valuation date multiplied by (ii) the applicable ratio specified as a decimal figure in the applicable Final Terms (the "**Ratio**") as converted into the Issue Currency (if applicable) (the "**Redemption Amount**").

The applicable strike, knock-out barrier, observation period, issue currency, reference price, valuation date, the valuation time and ratio will be specified or defined in the applicable Final Terms.

The strike of the Turbo Warrants (Short-Securities) is adjusted continuously by a Funding Amount which is determined as defined in the applicable Final Terms. Such Funding Amount includes a risk adjustment factor which is determined and retained by the Issuer and provided that such factor is not zero, it will have a value-decreasing effect on the Redemption Amount. This factor may during the term of the Turbo Warrants periodically increase (thus having a value-decreasing effect) or decrease (thus having a value-increasing effect compared to the previous value of the risk adjustment factor).

The risk of disproportionately high losses is a particular feature of leverage products such as the Turbo Warrants. The leverage effect (gearing) of the Turbo Warrants, essentially arises out of the considerably smaller amount of capital, as compared to a direct investment in the Underlying, that needs to be committed by the investor in order to speculate on the price movement of the Underlying.

4.7.10 Product No. 3: Open End Turbo Warrants (Long-Securities)

Open End Turbo Warrants (Long-Securities) grant the investor the right to receive the payment of a cash amount in respect of each Open End Turbo Warrant, unless the price or level of the Underlying reaches or falls below a specified level or price as outlined below.

If during the observation period the price of the Underlying is at least once **equal to or below** the applicable knock-out barrier (the occurrence of a "**Knock-out Event**"), the Open End Turbo Warrants expire worthless.

The knock-out barrier will be equal to the initial strike, and periodically adjusted.

If a Knock-out Event has not occurred during the observation period the Securityholder will receive an amount in the issue currency after the Ordinary Termination by the Issuer or the exercise of the Securityholder's Option Right, which shall be equal to (i) the amount by which the reference price of the Underlying on the relevant valuation date determined as at the valuation time **exceeds** the strike applicable on such valuation date multiplied by (ii) the applicable ratio specified as a decimal figure in the applicable Final Terms (the "**Ratio**") as converted into the Issue Currency (if applicable) (the "**Redemption Amount**").

The applicable strike, knock-out barrier, observation period, issue currency, reference price, valuation date, the valuation time and ratio will be specified or defined in the applicable Final Terms.

The strike of the Open End Turbo Warrants (Long-Securities) is adjusted continuously by a Funding Amount which is determined as defined in the applicable Final Terms. Such Funding Amount includes a risk adjustment factor which is determined and retained by the Issuer and provided that such factor is not zero, will have a value-decreasing effect on the Redemption Amount. This factor may during the term of the Open End Turbo Warrants periodically increase (thus having a value-decreasing effect) or decrease (thus having a value-increasing effect compared to the previous value of the risk adjustment factor).

The risk of disproportionately high losses is a particular feature of leverage products such as the Open End Turbo Warrants. The leverage effect (gearing) of the Open End Turbo Warrants, essentially arises out of the considerably smaller amount of capital, as compared to a direct investment in the Underlying, that needs to be committed by the investor in order to speculate on the price movement of the Underlying.

4.7.11 Product No. 4: Open End Turbo Warrants (Short-Securities)

Open End Turbo Warrants (Short-Securities) grant the investor the right to receive the payment of a cash amount in respect of each Open End Turbo Warrant, subject to the price or level of the Underlying not reaching or surpassing a specified level or price as outlined below.

If during the observation period the price of the Underlying is at least once **equal to or above** the applicable knock-out barrier (the occurrence of a "**Knock-out Event**"), the Open End Turbo Warrants expire worthless.

The knock-out barrier will be equal to the initial strike, and periodically adjusted.

If a Knock-out Event has not occurred during the observation period the Securityholder will receive an amount in the issue currency after the Ordinary Termination by the Issuer or the exercise of the Securityholder's Option Right, which shall be equal to (i) the amount by which the reference price of the Underlying on the relevant valuation date determined as at the valuation time **is exceeded by** the strike applicable on such valuation date multiplied by (ii) the applicable ratio specified as a decimal figure in the applicable Final Terms (the "**Ratio**") as converted into the Issue Currency (if applicable) (the "**Redemption Amount**").

The applicable strike, knock-out barrier, observation period, issue currency, reference price, valuation date, the valuation time and ratio will be specified or defined in the applicable Final Terms.

The strike of the Open End Turbo Warrants (Short-Securities) is adjusted continuously by a Funding Amount which is determined daily, as defined in the applicable Final Terms. Such Funding Amount includes a risk adjustment factor which is determined and retained by the Issuer and provided that such factor is not zero, will have a value-decreasing effect on the Redemption Amount. This factor may during the term of the Open End Turbo Warrants periodically increase (thus having a value-decreasing effect) or decrease (thus having a value-increasing effect compared to the previous value of the risk adjustment factor).

The risk of disproportionately high losses is a particular feature of leverage products such as the Open End Turbo Warrants. The leverage effect (gearing) of the Open End Turbo Warrants, essentially arises out of the considerably smaller amount of capital, as compared to a direct investment in the Underlying, that needs to be committed by the investor in order to speculate on the price movement of the Underlying.

4.7.12 Product No. 5: Mini-Futures (Long-Securities)

Mini-Futures (Long-Securities) grant the investor the right to receive the payment of a cash amount in respect of each Mini-Future, unless the price or level of the Underlying reaches or falls below a specified level or price as outlined below.

If during the observation period the price of the Underlying is at least once **equal to or below** the applicable knock-out barrier (the occurrence of a "**Knock-out Event**"), the Mini-Futures will automatically be exercised in order to follow a stop-loss principle to minimise losses the Securityholders may suffer.

The knock-out barrier will be a predetermined level above the initial strike, and periodically adjusted. Due to a knock-out buffer in this stop-loss principle, the knock-out barrier is constantly **above** the adjusted strike level during the observation period.

If a Knock-out Event has not occurred during the observation period the Securityholder will receive an amount in the issue currency after the Ordinary Termination by the Issuer or the exercise of the Securityholder's Option Right, which shall be equal to (i) the amount by which the reference price of the Underlying on the relevant valuation date determined as at the valuation time **exceeds** the strike applicable on such valuation date multiplied by (ii) the applicable ratio specified as a decimal figure in the applicable Final Terms (the "**Ratio**") as converted into the Issue Currency (if applicable) (the "**Redemption Amount**").

If a Knock-out Event has occurred during the observation period but the price of the Underlying **does not reach or fall below** the respective strike, the Securityholder will receive an amount in the issue currency which shall be equal to (a) the amount by which the reference price of the Underlying determined by the Issuer in its reasonable discretion (*billiges Ermessen*) (§ 315 BGB) without undue delay (*ohne schuldhaftes Zögern*) after the occurrence of the Knock-out Event taking into account the Reference Price **exceeds** the strike applicable on the day the Knock-out Event occurred multiplied by (b) the applicable ratio specified as a decimal figure in the applicable Final Terms (the "**Ratio**") as converted into the Issue Currency (if applicable) (the "**Stop-Loss Redemption Amount**").

If a Knock-out Event has occurred during the observation period and the price of the Underlying is also **equal to or below** the strike, the Stop-Loss Redemption Amount will be zero.

The applicable strike, knock-out barrier, knock-out buffer, observation period, issue currency, reference price, valuation date, the valuation time and ratio will be specified or defined in the applicable Final Terms.

The strike of the Mini-Futures (Long-Securities) is adjusted continuously by a Funding Amount which is determined as defined in the applicable Final Terms. Such Funding Amount includes a risk adjustment factor which is determined and retained by the Issuer and provided that such factor is not zero, will have a value-decreasing effect on the Redemption Amount. This factor may during the term of the Mini-Futures periodically increase (thus having a value-decreasing effect) or decrease (thus having a value-increasing effect compared to the previous value of the risk adjustment factor).

The risk of disproportionately high losses or even total losses is a particular feature of leverage products such as the Mini-Futures. The leverage effect (gearing) of the Mini-Futures, essentially arises out of the considerably smaller amount of capital, as compared to a direct investment in the Underlying, that needs to be committed by the investor in order to speculate on the price movement of the Underlying.

4.7.13 Product No. 6: Mini-Futures (Short-Securities)

Mini-Futures (Short-Securities) grant the investor the right to receive the payment of a cash amount in respect of each Mini-Future, subject to the price or level of the Underlying not reaching or surpassing a specified level or price as outlined below.

If during the observation period the price of the Underlying is at least once **equal to or above** the applicable knock-out barrier (the occurrence of a "**Knock-out Event**"), the Mini-Futures will automatically be exercised in order to follow a stop-loss principle to minimise losses the Securityholders may suffer.

The knock-out barrier will be a predetermined level below the initial strike, and periodically adjusted. Due to a knock-out buffer in this stop-loss principle, the knock-out barrier is constantly **below** the adjusted strike level during the observation period.

If a Knock-out Event has not occurred during the observation period the Securityholder will receive an amount in the issue currency after the Ordinary Termination by the Issuer or the exercise of the Securityholder's Option Right, which shall be equal to (i) the amount by which the reference price of the Underlying on the relevant

valuation date determined as at the valuation time **is exceeded by** the strike applicable on the day the Knock-out Event occurred multiplied by (ii) the applicable ratio specified as a decimal figure in the applicable Final Terms (the "**Ratio**") as converted into the Issue Currency (if applicable) (the "**Redemption Amount**").

If a Knock-out Event has occurred during the observation period but the price of the Underlying **does not reach or rise above** the respective strike, the Securityholder will receive an amount in the issue currency which shall be equal to (a) the amount by which the reference price of the Underlying determined by the Issuer in its reasonable discretion (*billiges Ermessen*) (§ 315 BGB) without undue delay (*ohne schuldhaftes Zögern*) after the occurrence of the Knock-out Event taking into account the Reference Price is **exceeded by** the strike applicable on the date such Knock-out Event occurs multiplied by (b) the applicable ratio specified as a decimal figure in the applicable Final Terms (the "**Ratio**") as converted into the Issue Currency (if applicable) (the "**Stop-Loss Redemption Amount**").

If a Knock-out Event has occurred during the observation period and the price of the Underlying is also **equal to or above** the strike, the Stop-Loss Redemption Amount will be zero.

The applicable strike, knock-out barrier, knock-out buffer, observation period, issue currency, reference price, valuation date, the valuation time and ratio will be specified or defined in the applicable Final Terms.

The strike of the Mini-Futures (Short-Securities) is adjusted continuously by a Funding Amount which is determined daily, as defined in the applicable Final Terms. Such Funding Amount includes a risk adjustment factor which is determined and retained by the Issuer and provided that such factor is not zero, will have a value-decreasing effect on the Redemption Amount. This factor may during the term of the Mini-Futures periodically increase (thus having a value-decreasing effect) or decrease (thus having a value-increasing effect compared to the previous value of the risk adjustment factor).

The risk of disproportionately high losses or even total losses is a particular feature of leverage products such as the Mini-Futures. The leverage effect (gearing) of the Mini-Futures, essentially arises out of the considerably smaller amount of capital, as compared to a direct investment in the Underlying, that needs to be committed by the investor in order to speculate on the price movement of the Underlying.

4.8 Description of the Underlyings

The Underlying of a series of Securities will be specified in the applicable Final Terms and may be a share (hereafter "**Share**") (such Securities either Long Share Turbo Warrants, Short Share Turbo Warrants, Long Share Open End Turbo Warrants, Short Share Open End Turbo Warrants, Long Share Mini-Futures, Short Share Mini-Futures), an index (hereafter "**Index**") (such Securities either Long Index Turbo Warrants, Short Index Turbo Warrants, Long Index Open End Turbo Warrants, Short Index Open End Turbo Warrants, Long Index Mini-Futures, Short Index Mini-Futures), a futures contract (hereafter "**Futures Contract**") (such Securities either Long Futures Contract Turbo Warrants, Short Futures Contract Turbo Warrants, Long Futures Contract Open End Turbo Warrants, Short Futures Contract Open End Turbo Warrants, Long Futures Contract Mini-Futures, Short Futures Contract Mini-Futures), gold, expressed as an exchange rate, (hereafter "**Gold**") (such Warrants either Long Gold Turbo Warrants, Short Gold Turbo Warrants, Long Gold Open End Turbo Warrants, Short Gold Open End Turbo Warrants, Long Gold Mini-Futures, Short Gold Mini-Futures), a currency exchange rate (hereafter a "**Currency Exchange Rate**") (such Securities either Long Currency Exchange Rate Turbo Warrants, Short Currency Exchange Rate Turbo Warrants, Long Currency Exchange Rate Open End Turbo Warrants, Short Currency Exchange Rate Open End Turbo Warrants, Long Currency Exchange Rate Mini-Futures, Short Currency Exchange Rate Mini-Futures) or a crypto currency (hereafter a "**Crypto Currency**") (such Securities either Long Crypto Currency Turbo Warrants, Short Crypto Currency Turbo Warrants, Long Crypto Currency Open End Turbo Warrants, Short Crypto Currency Open End Turbo Warrants, Long Crypto Currency Mini-Futures, Short Crypto Currency Mini-Futures).

The applicable Final Terms will specify where information on the relevant Underlying (including on the past and future performance and volatility) can be obtained.

4.8.1 Share as Underlying

If the Underlying is a Share the relevant Final Terms will specify where information about the Share can be found.

Adjustments in respect of a Share as an Underlying

If the Issuer determines that an extraordinary event occurred which has a material effect on the Underlying or the reference price of such Underlying, the Issuer may adjust the terms and conditions as necessary to adequately account for the economic effect of the extraordinary event on the Securities and to preserve, in essence, the Securities' economic profile that prevailed prior to the occurrence of such extraordinary event.

The following circumstances will constitute an extraordinary event:

- (i) the termination of trading in, or early settlement of, options or futures contracts relating to the Share at the relevant related exchange or the announcement of such termination or early settlement;
- (ii) the termination of the listing of the Share on the exchange indicated in the Final Terms due to a merger by absorption or by creation or due to any other reason, or the becoming known of the intention of the issuer of the Share or the announcement of the exchange indicated in the Final Terms that the listing of the Share at the exchange indicated in the Final Terms will terminate immediately or at a later date and that the Share will not be admitted, traded or listed at any other exchange which is comparable to the exchange indicated in the Final Terms (including the exchange segment, if applicable) immediately following the termination of the listing;
- (iii) a takeover-bid, i.e. an offer to take over or to swap or any other offer or any other act of an individual person or a legal entity that results in the individual person or legal entity buying, otherwise acquiring or obtaining a right to buy more than 10% of the outstanding Shares of the Company as a consequence of a conversion or otherwise;
- (iv) the failure of the price source to announce or publish the reference price or any discontinuance or unavailability of the price source;
- (v) a procedure is introduced or ongoing pursuant to which all shares or the substantial assets of the issuer of the Share are or are liable to be nationalized or expropriated or otherwise transferred to public agencies, authorities or organizations;
- (vi) the application for insolvency proceedings or for comparable proceedings with regard to the assets of the issuer of the Share according to the applicable law of the issuer of the Share; or
- (vii) any other event that is economically equivalent to the aforementioned events with regard to their effects.

Such adjustment to the terms and conditions may *inter alia* result in the replacement of the Share by another share and/or cash and/or any other compensation including the determination of an alternative exchange, increases or decreases of variables and values or amounts payable under the Securities.

Any such adjustment will generally, subject as provided in the terms and conditions, correspond to the adjustments to options or futures contracts relating to the Share made by the relevant related exchange and shall take effect as from a date determined by the Issuer and notified to the Securityholders accordingly.

4.8.2 Index as Underlying

If the Index is neither composed by the Issuer or a legal entity belonging to IG Group nor provided by a legal entity or a natural person acting in association with or on behalf of the Issuer, the relevant Final Terms will specify where information about the Index can be found.

If the Index is provided by a legal entity or a natural person acting in association with or on behalf of the Issuer, the governing rules (including the methodology of the Index for the selection and the re-balancing of the components of the Index and the description of market disruption events and adjustment rules) will be based on predetermined and objective criteria. In addition, the complete set of rules of the Index and information on the performance of the Index will be freely accessible on the website specified in the relevant Final Terms.

Adjustments in respect of an Index as Underlying

If the Issuer determines that an extraordinary event occurred which has a material effect on the Index or the level of the Index, the Issuer may adjust the terms and conditions as necessary to adequately account for the economic effect of the extraordinary event on the Securities and to preserve, in essence, the Securities' economic profile that prevailed prior to the occurrence of such extraordinary event.

The following circumstances will constitute an extraordinary event:

- (i) the cancellation of the Index or replacement of the Index or Index Sponsor by another person, company or institution not acceptable to the Issuer;
- (ii) the announcement of or actual adjustment of options or futures contracts relating to the Index on the relevant related exchange or the announcement of such adjustment;
- (iii) the termination of trading in options or futures contracts relating to the Index on the related exchange, if any, or the termination of trading in index components on any relevant exchange or trading system or the announcement of such termination or early settlement;
- (iv) the failure of the price source to announce or publish the reference price or any discontinuance or unavailability of the price source;
- (v) a change in the currency in one or more index components that has a material effect on the level of the Index;
- (vi) the Index Sponsor (a) ceases the calculation of the Index and/or materially or frequently delays the publication of the level of the Index or the relevant data for calculating the level of the Index and the Issuer is not able to calculate the Index without the Index Sponsor's information and/or (b) fails to announce or publish the reference price (or the information necessary for determining the reference price) and/or (c) the temporary or permanent discontinuance or unavailability of the source at which the Index Sponsor publishes the Index and/or (d) materially modifies its terms and conditions for the use of the Index and/or materially increases its fees for the use or calculation of the Index;
- (vii) the occurrence of an Index Modification (as defined below); or
- (viii) any other event that is economically equivalent to the aforementioned events with regard to their effects.

Such adjustment to the terms and conditions may *inter alia* result in the replacement of the Index or an increase or decrease of variables and values relevant for the determination of amounts payable pursuant to the Securities. Any such adjustment will generally, subject as provided in the terms and conditions, correspond to the adjustments to options or futures contracts relating to the Index made by the relevant related exchange and shall take effect as from a date determined by the Issuer and notified to the Securityholders accordingly.

If the Index Sponsor materially modifies the Index (including its calculation method) on or after the issue date in a way that has not been foreseen by the published index methodology at the time of such modification (the "**Index Modification**"), then the Issuer may continue the calculation and publication of the Index on the basis of the former concept of the Index and its last determined level.

4.8.3 Futures Contract as Underlying

If the Underlying is a Futures Contract the relevant Final Terms will specify where information about the Futures Contract can be found.

Adjustments in respect of a Futures Contract as an Underlying

If the Issuer determines that an extraordinary event occurred which has a material effect on the Futures Contract or the price of the Futures Contract, the Issuer may adjust the terms and conditions as necessary to adequately account for the economic effect of the extraordinary event on the Securities and to preserve, in essence, the Securities' economic profile that prevailed prior to the occurrence of such extraordinary event.

The following circumstances will constitute an extraordinary event:

- (i) the permanent discontinuation of trading in the Futures Contract on the relevant exchange, the disappearance of, or of trading in, the commodity specified in the applicable Final Terms (the "**Commodity**") or the disappearance or permanent discontinuance or unavailability of the reference price;
- (ii) the occurrence of a material change in the content, composition or constitution of the Futures Contract or the Commodity on or after the issue date;
- (iii) the occurrence of a material change in the formula for, or the method of, calculating the reference price on or after the issue date;
- (iv) the failure of the price source to announce or publish the reference price or any temporary or permanent discontinuance or unavailability of the price source;
- (v) the imposition of, change in or removal of an excise, severance, sales, use, value-added, transfer, stamp, documentary, recording or similar tax on, or measured by reference to, the Commodity (other than a tax on, or measured by reference to overall gross or net income) by any government or taxation authority after the issue date, if the direct effect of such imposition, change or removal is to raise or lower the reference price;
- (vi) the material suspension of, or the material limitation imposed on, trading in the Futures Contract or the Commodity, as the case may be, on the exchange; or
- (vii) any other event that is economically equivalent to the aforementioned events with regard to their effects.

Such adjustment to the terms and conditions may *inter alia* result in the replacement of the Futures Contract by other futures contracts and/or cash and/or any other compensation including the determination of an alternative exchange, increases or decreases of variables and values or amounts payable under the Securities.

Any such adjustment will generally, subject as provided in the terms and conditions, correspond to the adjustments to options or futures contracts relating to the Index made by the relevant related exchange and shall take effect as from a date determined by the Issuer and notified to the Securityholders accordingly.

4.8.4 Gold as Underlying

If the Underlying is Gold the relevant Final Terms will specify where information about the Underlying can be found.

Adjustments in respect of Gold as an Underlying

If the Issuer determines that an extraordinary event occurred which has a material effect on the Underlying or the reference price of such Underlying, the Issuer may adjust the terms and conditions as necessary to adequately account for the economic effect of the extraordinary event on the Securities and to preserve, in essence, the Securities' economic profile that prevailed prior to the occurrence of such extraordinary event.

The following circumstances will constitute an extraordinary event:

- (i) the failure of the price source to announce or publish the reference price or any discontinuance or unavailability of the price source;
- (ii) any other event that is economically equivalent to the aforementioned events with regard to their effects.

Such adjustment to the terms and conditions may *inter alia* result in the definition of the Gold or the reference price being adjusted; and/or increases or decreases of variables and values or the amounts payable under the Securities.

4.8.5 Currency Exchange Rate as Underlying

If the Underlying is a Currency Exchange Rate the relevant Final Terms will specify where information about the Currency Exchange Rate can be found.

Adjustments in respect of a Currency Exchange Rate as an Underlying

If the Issuer determines that an extraordinary event occurred which has a material effect on the Currency Exchange Rate or the reference price of such Currency Exchange Rate, the Issuer may adjust the terms and conditions as necessary to adequately account for the economic effect of the extraordinary event on the Securities and to preserve, in essence, the Securities' economic profile that prevailed prior to the occurrence of such extraordinary event.

The following circumstances will constitute an extraordinary event:

- (i) the replacement of a currency underlying the Currency Exchange Rate in its function as statutory means of payment in the country or countries, the jurisdiction or jurisdictions, as the case may be, maintained by the authority, institution or other body which issues such currency;
- (ii) the merger of a currency underlying the Currency Exchange Rate;
- (iii) the failure of the price source to announce or publish the reference price or any discontinuance or unavailability of the price source; or
- (iv) any other event that is economically equivalent to the aforementioned events with regard to their effects.

Such adjustment to the terms and conditions may *inter alia* result in the definition of the Currency Exchange Rate or the reference price being adjusted; and/or increases or decreases of variables and values or the amounts payable under the Securities.

4.8.6 Crypto Currency as Underlying

If the Issuer determines that an extraordinary event occurred which has a material effect on the Crypto Currency or the reference price of such Crypto Currency, the Issuer may adjust the terms and conditions as necessary to adequately account for the economic effect of the extraordinary event on the Securities and to preserve, in essence, the Securities economic profile that prevailed prior to the occurrence of such extraordinary event.

The following circumstances will constitute an extraordinary event:

- (i) the occurrence of a material change in the content, composition or constitution of the Crypto Currency on or after the issue date;
- (ii) the occurrence of a material change in the formula for, or the method of, calculating the reference price on or after the issue date;
- (iii) the failure of the price source to announce or publish the reference price or any temporary or permanent discontinuance or unavailability of the price source;
- (iv) the imposition of, change in or removal of an excise, severance, sales, use, value-added, transfer, stamp, documentary, recording or similar tax on, or measured by reference to, the Crypto Currency (other than a tax on, or measured by reference to overall gross or net income) by any government or taxation authority after the issue date, if the direct effect of such imposition, change or removal is to raise or lower the reference price;
- (v) any adjustment by any of the exchanges indicated in the Final Terms in relation to the Crypto Currency;
- (vi) the material suspension of, or the material limitation imposed on, trading in the Crypto Currency on the exchanges indicated in the Final Terms; or
- (vii) any other event that is economically equivalent to the aforementioned events with regard to their effects.

Such adjustment to the terms and conditions may *inter alia* result in the replacement of the Crypto Currency by another crypto currency and/or cash and/or any other compensation including the determination of an alternative exchange, increases or decreases of variables and values or amounts payable under the Securities.

4.9 Information on the offering of the Securities

4.9.1 Offer and sale

The Securities may be offered to retail clients, professional clients and eligible counterparties.

4.9.2 Reasons for the offer and use of proceeds

The reasons for the offer are making profit and/or hedging certain risks. The net proceeds from the issue of any Securities hereunder will be applied by the Issuer for its general corporate purposes. A substantial portion of the proceeds from the issue of certain Securities may be used to hedge market risk with respect to such Securities. The estimated total expenses and the estimated net proceeds (if any) will be described in the Final Terms.

4.9.3 Interest of natural and legal persons involved in the issue/offer

The dealer of the Securities, Brightpool Limited, Christodoulou Chatzipavlou, 221 HELIOS COURT, 3rd floor, 3036, Limassol, Cyprus ("**Brightpool**" or the "**Dealer**"), may benefit from any profits arising under the Turbo Warrants for the Issuer's account and may therefore have an indirect interest in the offering of the Securities.

Other than as mentioned above and as may be described in the Final Terms, there is no information which is material to the offering about interests of natural and legal persons involved in the issue.

4.9.4 Pricing

The Securities will be offered at a price which will be determined by the Issuer on the date of sale, such price being calculated by reference to the price at which the Issuer is prepared to sell the Securities after taking into account such factors as it deems appropriate in connection with the relevant offer which may include (without limitation) market conditions, the terms of the Securities, the level of subscriptions and macroeconomic conditions (including but not limited to political and economic situations and outlooks, growth rates, inflation, interest rates, credit spread and interest rate spreads). The initial issue price and the amount of any expenses and taxes specifically charged to the subscriber or purchaser will be specified in the applicable Final Terms and consequently published on the Issuer's website at www.raydius.de.

Persons, who distribute the Securities and receive a commission, fee or non-monetary benefits in return, may be obliged under applicable law to disclose the type and amount of such commission, fee or benefit to the investor. Investors should ensure that they receive the relevant information from the relevant distributor prior to purchasing the Securities.

4.9.5 Listing and trading

Application will be made for the Securities to be authorised for trading on the multilateral trading facility Spectrum, which is operated by Spectrum MTF Operator GmbH (the "**Market**"). The Securities will not be admitted to trading on a regulated market for the purposes of the Directive 2014/65/EU of the European Parliament and of the Council on markets in financial instruments.

4.9.6 Post-issuance information

Other than information on the applicable strike levels, funding percentage and risk adjustment factors relating to the series of Securities, which will be published on a website specified in the applicable Final Terms, the Issuer will not provide any post-issuance information in relation to any Underlying or the Securities.

4.9.7 Third party information and statement by experts and declarations of any interest

With respect to any information included herein or in the applicable Final Terms and specified to be sourced from a third party (i) the Issuer confirms that the information has been accurately reproduced and that as far as the Issuer is aware and is able to ascertain from information published by that third party, no facts have been omitted which would render the reproduced information inaccurate or misleading and (ii) the Issuer has

not independently verified any such information and the Issuer does not accept any responsibility for the accuracy thereof.

4.9.8 Information specified in the applicable Final Terms

The following information, if relevant, relating to the Securities will be specified in the applicable Final Terms:

- Conditions to which the offer is subject;
- Total amount of the issue/offer; if the amount is not fixed, description of the arrangements and time for announcing to the public the amount of the offer;
- Time period, including any possible amendments, during which the offer will be open and description of the application process;
- Details of the minimum and/or maximum amount of application;
- Method and time limits for paying up the Securities and for delivery of the Securities;
- Manner and date in which results of the offer are to be made public;
- Whether tranche(s) have been reserved for certain countries;
- Process for notification to applicants of the amount allotted and indication whether dealing may begin before notification is made;
- Initial offer price of the Securities;
- Amount of any expenses and taxes specifically charged to the subscriber or purchaser;
- Name and address of the coordinator(s) of the global offer and of single parts of the offer and, to the extent known to the issuer or to the offeror, of the distributors in the various countries where the offer takes place;
- Entities agreeing to underwrite the issue on a firm commitment basis, and entities agreeing to place the issue without a firm commitment or under "best efforts" arrangements; and
- When the underwriting agreement has been or will be reached.

4.10 Increase/Continuing Public Offer/Extension

The Terms of Conditions of the Securities set out in this Base Prospectus will be replaced by the Terms and Conditions set out in the Base Prospectus relating to Turbo Warrants dated 29 May 2019 (the "**Previous Base Prospectus**"), (i) if the issue size of securities issued under the Previous Base Prospectus shall be increased, (ii) if the public offer of securities issued under the Previous Base Prospectus shall be continued and (iii) if the public offer of securities issued under the Previous Base Prospectus shall be extended to another Member State and/or the UK. For this reason, the Terms and Conditions included in the Previous Base Prospectus (the "**Previous Terms and Conditions**") have been incorporated by reference into this Base Prospectus.

For the continuation of public offers of securities issued under the Previous Base Prospectus, the Form of Final Terms included in the Previous Base Prospectus have been incorporated by reference into this Base Prospectus.

All securities issued under the Previous Base Prospectus for which the public offer shall be continued will be identified by its ISIN on a list which can be found together with the respective Final Terms at www.raydius.de. For these securities, the Previous Terms and Conditions will continue to apply and the Previous Terms and Conditions will replace the Terms and Conditions set out in this Base Prospectus.

5 Taxation Warning

The tax legislation of the state of residence of a prospective purchaser of Securities and the Issuer's country of incorporation may have an impact on the income received from the Securities.

Prospective purchasers of Securities are advised to consult their own tax advisors as to the tax consequences of the purchase, ownership and disposition of the Securities.

6 Selling restrictions

6.1 EEA and UK selling restriction

In relation to each Member State of the European Economic Area ("**EEA**") and the United Kingdom (the "**UK**"), the Issuer has not made and will not make an offer of Securities which are the subject of the offering contemplated by this Prospectus as completed by the applicable Final Terms in relation thereto to the public in that Member State and/or the UK, as applicable, except that it may make an offer of such Securities to the public in that Member State and/or the UK, as applicable:

- (a) if the applicable Final Terms specify that an offer of those Securities may be made other than pursuant to Article 1(4) of the Prospectus Regulation in that Member State and/or the UK, as applicable (a "**Non-exempt Offer**"), following the date of publication of a prospectus in relation to such Securities which has been approved by the competent authority in that Member State and/or the UK, as applicable, or, where appropriate, approved in another Member State and/or the UK, as applicable, and notified to the competent authority in that Member State and/or the UK, as applicable, provided that any such prospectus has subsequently been completed by final terms contemplating such Non-exempt Offer, in accordance with the Prospectus Regulation, in the period beginning and ending on the dates specified in such prospectus or final terms, as applicable, and the Issuer has consented in writing to its use for the purpose of that Non-exempt Offer; or
- (b) at any time to any legal entity which is a qualified investor as defined in the Prospectus Regulation;
- (c) at any time to fewer than 150 natural or legal persons (other than qualified investors as defined in the Prospectus Regulation); or
- (d) at any time in any other circumstances falling within Article 1(4) of the Prospectus Regulation,

provided that no such offer of Securities referred to in (b) to (d) above shall require the publication of a prospectus pursuant to Article 3 of the Prospectus Regulation, or supplement a prospectus pursuant to Article 23 of the Prospectus Regulation.

Whereas the following definitions apply for the purpose of this provision:

1. "**offer of Securities to the public**" in relation to any Securities in any Member State and/or the United Kingdom means the communication in any form and by any means of sufficient information on the terms of the offer and the Securities to be offered so as to enable an investor to decide to purchase or subscribe for the Securities and the expression "**Prospectus Regulation**" means Regulation (EU) 2017/1129.

6.2 UK selling restriction

All applicable provisions of the Financial Services and Markets Act 2000 (the "**FSMA**") must be complied with in respect to anything done in relation to any Securities in, from or otherwise involving the UK. An invitation or inducement to engage in investment activity (within the meaning of Section 21 of the FSMA) may only be communicated or caused to be communicated in connection with the issue or sale of any Securities in circumstances in which Section 21(1) of the FSMA would not, if the Issuer was not an authorised person, apply to the Issuer.

6.3 United States selling restriction

The Securities have not been and will not be registered under the Securities Act. The Securities may not at any time be offered or sold within the United States or to, or for the account or benefit of (a) any U.S. person (as defined in Regulation S) or (b) any person who is not a Non-United States person (as defined in Rule 4.7 under the CEA, but excluding for purposes of subsection (D) thereof, the exception to the extent that it would apply to persons who are not Non-United States persons) ("**Rule 4.7**"). Trading in the Securities has not been approved by the U.S. Commodity Futures Trading Commission under the CEA. Each dealer represents that it has offered and sold the Securities of any series, and agrees that it will offer and sell the Securities of any series as part of their distribution or otherwise at any time only outside the United States and to persons who are (i) not U.S.

persons (as such term is defined under Regulation S) or (ii) Non-United States persons (as such term is defined in Rule 4.7). Accordingly, neither it, its affiliates nor any persons acting on its or their behalf have engaged or will engage in any directed selling efforts with respect to the Securities at any time, and it and they have complied and will comply with the offering restrictions requirement of Regulation S. Each dealer agrees that, at or prior to confirmation of sale of Securities, it will have sent to each distributor, dealer or person receiving a selling concession, fee or other remuneration that purchases Securities from it a confirmation or notice to substantially the following effect:

"The securities covered hereby have not been registered under the U.S. Securities Act of 1933 (the "**Securities Act**"), trading in the Securities has not been approved by the U.S. Commodity Futures Trading Commission under the U.S. Commodity Exchange Act of 1936, as amended and the Securities may not at any time be offered or sold within the United States or to, or for the account or benefit of (a) any U.S. person as defined in Regulation S under the Securities Act ("**Regulation S**"), or (b) any person who is not a "Non-United States person" (as such term is defined in Rule 4.7 under the U.S. Commodity Exchange Act of 1936, but excluding for purposes of subsection (D) thereof, the exception to the extent that it would apply to persons who are not Non-United States persons). Terms used above and not otherwise defined have the meanings given to them by Regulation S."

Terms used in this paragraph and not otherwise defined have the meanings given to them by Regulation S.

Furthermore, for Securities with respect to which TEFRA C will be applied:

Under TEFRA C, Securities in bearer form must be issued and delivered outside the United States and its possessions in connection with their original issuance by an issuer that (directly or indirectly through its agents) does not significantly engage in interstate commerce with respect to the issuance. Each dealer represents and agrees that (i) it has not offered, sold or delivered, and will not offer, sell or deliver, directly or indirectly, Securities in bearer form within the United States or its possessions in connection with their original issuance; (ii) it has not communicated, and will not communicate, directly or indirectly, with a prospective purchaser if either of them is within the United States or its possessions; and (iii) will not otherwise involve its U.S. office in the offer and sale of Securities in bearer form. Terms used in this paragraph have the meanings given to them by the Code and regulations thereunder, including TEFRA C.

Furthermore, for Securities with respect to which TEFRA D will be applied:

- (i) Except to the extent permitted under TEFRA D (but excluding for such purposes, transactions that would permit resale of the Securities after the expiration of the restricted period to a person who is within the United States or its possessions or to a United States person), (a) each dealer represents that it has not offered or sold, and agrees that it will not at any time offer or sell, Securities to a person who is within the United States or its possessions or to a United States person, and (b) represents that it has not delivered and agrees that it will not at any time deliver definitive Securities within the United States or its possessions;
- (ii) each dealer represents that it has and agrees that it will at all times have in effect procedures reasonably designed to ensure that its employees or agents who are directly engaged in selling Securities are aware that such Securities may not be offered or sold at any time to a person who is within the United States or its possessions or to a United States person, except as permitted by TEFRA D (but excluding for such purposes, transactions that would permit resale of the Securities after the expiration of the restricted period to a person who is within the United States or its possessions or to a United States person);
- (iii) if it is a United States person, each dealer represents that it is acquiring the Securities for purposes of resale in connection with their original issue and if it retains Securities for its own account, it will only do so in accordance with the requirements of U.S. Treas. Reg. §1.163-5(c)(2)(i)(D)(6); and
- (iv) with respect to each affiliate that acquires from it Securities for the purpose of offering or selling such Securities at any time, each dealer either (a) repeats and confirms the representations and agreements contained in clauses (i), (ii) and (iii) on its behalf or (b) agrees that it will obtain from such affiliate for the benefit of the Issuer the representations and agreements contained in clauses (i), (ii) and (iii).

Terms used in clauses (i),(ii) (iii) and (iv) have the meaning given to them by the U.S. Internal Revenue Code of 1986 and regulations thereunder, including TEFRA D.

7 Terms and Conditions

This section sets out the terms and conditions of the Securities, which comprise of (i) the general terms, which are the same for all Securities and are included in this Base Prospectus on the pages 46 - 50 (the "**General Terms**") and (ii) the product terms, which are specific to each product type and included in this Base Prospectus on the pages 50 - 82 (the "**Product Terms**") and which will be completed by the applicable final terms relating to an individual series of Securities (the "**Final Terms**" and all together the "**Terms and Conditions**"). The Product Terms contain options or a variety of possible options for a provision (indicated by square brackets or bullet frames) or omissions (indicated by a placeholder) in certain places. The Final Terms provide the missing information and specify which of the possibilities provided by the Product Terms shall apply with respect to specific conditions.

7.1 General Terms

§1 (FORM)

1. Each series of securities is issued by Raydius GmbH Westhafen Tower, Westhafenplatz 1, 60327 Frankfurt am Main, Federal Republic of Germany (the "**Issuer**") on the issue date specified in the applicable Final Terms (the "**Issue Date**") in bearer form (the "**Securities**"). Securities issued in compliance with the U.S. Treasury Regulation §1.163-5(c)(2)(i)(C) (or any successor rules in substantially the same form that are applicable for purposes of Section 4701 of the U.S. Internal Revenue Code of 1986, as amended (the "**Code**")) ("**TEFRA C Rules**") or in respect of which no TEFRA applies will be represented by a permanent global bearer security (the "**Global Security**"). The Global Security shall be deposited with Clearstream Banking AG, Mergenthalerallee 61, 65760 Eschborn, Federal Republic of Germany (the "**Clearing System**").
2. Securities issued in compliance with the U.S. Treasury Regulation §1.163-5(c)(2)(i)(D) (or any successor rules in substantially the same form that are applicable for purposes of Section 4701 of the Code) ("**TEFRA D Rules**") will be initially issued in the form of a temporary global bearer security without interest coupons (a "**Temporary Global Security**"), which will be exchanged not earlier than 40 days after their Issue Date for a permanent global bearer security (a "**Permanent Global Security**"). The Temporary Global Security and the Permanent Global Security (each a "**Global Security**") shall be deposited with the Clearing System. The exchange of the Temporary Global Security for the Permanent Global Security shall only be made upon certification to the effect that, subject to certain exceptions, the beneficial owner or owners of the Securities represented by the Temporary Global Security are not U.S. persons ("**Certification of non-US Beneficial Ownership**").
3. Definitive securities will not be issued. The right of the holders of Securities (the "**Securityholders**") to delivery of definitive securities is excluded. The Securityholders shall receive co-ownership participations in or rights with respect to the Global Security which are transferable in accordance with applicable law and the rules and regulations of the Clearing System.

§2 (STATUS)

The Securities constitute direct, unsubordinated and unsecured obligations of the Issuer and rank *pari passu* among themselves and equally with all other unsecured obligations (other than subordinated obligations, if any) of the Issuer from time to time outstanding.

§3 (NOTICES)

1. To Securityholders
 - (a) Notices relating to the Securities shall be published on the Internet on the website www.raydius.de.
 - (b) Notices relating to the Securities may be made to the relevant Clearing System for communication by the relevant Clearing System to the Securityholders or directly to the Securityholders. Notices via the relevant Clearing System shall be deemed to be effected on the

seventh day after the notice to the relevant Clearing System, direct notices to the Securityholders shall be deemed to be effected upon their receipt.

2. To the Issuer

In respect of any series of Securities, all notices to the Issuer must be sent to the address specified for each such entity in the Final Terms or to such other person or place as shall be specified by the Issuer by notice given to Securityholders in accordance with this §3.

§4 (TAXES)

Payments in respect of the Securities shall only be made after (i) deduction and withholding of current or future taxes, levies or governmental charges, regardless of their nature, which are imposed, levied or collected (the "Taxes") under any applicable system of law or in any country which claims fiscal jurisdiction by or for the account of any political subdivision thereof or government agency therein authorised to levy Taxes, to the extent that such deduction or withholding is required by law, (ii) any withholding or deduction required pursuant to an agreement described in Section 1471(b) of the Code, or otherwise imposed pursuant to Sections 1471 through 1474 of the Code, any regulations or agreements thereunder, any official interpretations thereof, or any law implementing an intergovernmental approach thereto and (iii) any withholding or deduction required pursuant to Section 871(m) of the Code ("**871(m) Withholding**"). In determining the amount of 871(m) Withholding imposed with respect to any amounts to be paid on the Securities, the Issuer shall be entitled to withhold on any "dividend equivalent" (as defined for purposes of Section 871(m) of the Code) at the highest rate applicable to such payments regardless of any exemption from, or reduction in, such withholding otherwise available under applicable law.

§5 (FURTHER ISSUES; REPURCHASE)

1. The Issuer reserves the right to issue from time to time without the consent of the Securityholders additional tranches of Securities with substantially identical terms, so that the same shall be consolidated to form a single series and increase the total volume of the Securities. The term "**Securities**" shall, in the event of such consolidation, also comprise such additionally issued Securities.
2. The Issuer may at any time purchase Securities in the market or otherwise. Securities repurchased by or on behalf of the Issuer may be held by the Issuer, re-issued, resold or surrendered to the Paying Agent for cancellation.

§6 (PAYING AGENT)

1. Citibank Europe plc, 1 North Wall Quay, Dublin 1, Ireland, shall be the paying agent (including any successor or additional paying agent) (the "**Paying Agent**").
2. The Issuer shall be entitled at any time to appoint another bank of international standing as Paying Agent. Such appointment and the effective date shall be notified in accordance with §3 (*Notices*) of the General Terms.
3. The Paying Agent is hereby granted exemption from the restrictions of §181 German Civil Code (*Bürgerliches Gesetzbuch* – "**BGB**") and any similar restrictions of the applicable laws of any other country.

§7 (SUBSTITUTION OF THE ISSUER)

1. The Issuer may, without any further consent of the Securityholders being required, when no payment or delivery obligation on any of the Securities is in default, be replaced and substituted by any directly or indirectly wholly owned subsidiary of the Issuer (the "**New Issuer**") as principal obligor in respect of the Securities provided that:

- (a) such documents shall be executed by the New Issuer and the Issuer (i) as may be necessary to give full effect to the substitution (together the "**Documents**") and (ii) pursuant to which the New Issuer shall undertake in favour of each Securityholder to be bound by the Terms and Conditions of the Securities as fully as if the New Issuer had been named in the Securities as the principal obligor in respect of the Securities in place of the Issuer and (iii) pursuant to which the Issuer shall guarantee, which guarantee shall be unconditional and irrevocable, (the "**Guarantee**") in favour of each Securityholder, the performance by the New Issuer of all obligations under the Securities; and
 - (b) the Documents shall contain a covenant by the New Issuer and the Issuer to indemnify and hold harmless each Securityholder against all liabilities, costs, charges and expenses (provided that insofar as the liabilities, costs, charges and expenses are taxes or duties, the same arise by reason of a law or regulation having legal effect or being in reasonable contemplation on the date such substitution becomes effective) which may be incurred by or levied against such holder as a result of any substitution pursuant to this §7 and which would not have been so incurred or levied had such substitution not been made (and, without limiting the foregoing, such liabilities, costs, charges and expenses shall include any and all taxes or duties which are imposed on any such Securityholder by any political sub-division or taxing authority of any country in which such Securityholder resides or is subject to any such tax or duty and which would not have been so imposed had such substitution not been made); and
 - (c) the Documents shall contain a warranty and representation by the New Issuer and the Issuer (i) that each of the New Issuer and the Issuer has obtained all necessary governmental and regulatory approvals and consents for such substitution and the performance of its obligations under the Documents, and that all such approvals and consents are in full force and effect and (ii) that the obligations assumed by each of the New Issuer and the Issuer under the Documents are all valid and binding in accordance with their respective terms and enforceable by each Securityholder; and
 - (d) each stock exchange and/or multilateral trading facility which has Securities listed and/or admitted to trading thereon shall have confirmed that following the proposed substitution of the New Issuer such Securities would continue to be listed and/or admitted to trading (as the case may be) on such stock exchange and/or multilateral trading facility; and
 - (e) the New Issuer shall have obtained a legal opinion from a leading firm of local lawyers acting for the New Issuer to the effect that the Documents constitute legal, valid and binding obligations of the New Issuer, such opinion to be dated not more than three days prior to the date of substitution of the New Issuer for the Issuer and to be available for inspection by Securityholders at their request; and
 - (f) the Issuer shall obtain a legal opinion from the internal legal adviser to the Issuer to the effect that the Documents (including the Guarantee) constitute legal, valid and binding obligations of the Issuer, such opinion to be dated not more than three days prior to the date of substitution of the New Issuer for the Issuer and to be available for inspection by Securityholders at their request; and
 - (g) the Issuer shall obtain a legal opinion from a leading firm of German lawyers to the effect that the Documents (including the Guarantee) constitute legal, valid and binding obligations of the New Issuer and the Issuer under German law, such opinion to be dated not more than three days prior to the date of substitution of the New Issuer for the Issuer and to be available for inspection by Securityholders at their request; and
 - (h) the New Issuer (if not incorporated in a Member State of the European Union) shall have appointed a process agent as its agent in a Member State of the European Union to receive service of process on its behalf in relation to any legal action or proceedings arising out of or in connection with the Securities.
2. In connection with any substitution effected pursuant to this §7, neither the Issuer nor the New Issuer need have any regard to the consequences of any such substitution for individual Securityholders resulting from their being for any purpose domiciled or resident in, or otherwise connected with, or subject to the jurisdiction of, any particular territory and no Securityholder, except as provided in this

§7 (1)(b), shall be entitled to claim from the Issuer or any New Issuer under the Securities any indemnification or payment in respect of any tax or other consequences arising from such substitution.

3. Upon the execution of the Documents as referred to in this §7 (1) above and subject to the notification as referred to in this §7 (5) below having been given, the New Issuer shall be deemed to be named in the Securities as the principal obligor in place of the Issuer and the Terms and Conditions of the Securities shall thereupon be interpreted to give effect to the substitution. The execution of the Documents shall operate to release the Issuer as issuer from all of its obligations as principal obligor in respect of the Securities save that any claims under the Securities prior to release shall ensure for the benefit of Securityholders.
4. The Documents shall be deposited with and held by the Paying Agent for so long as any Securities remain outstanding and for so long as any claim made against the New Issuer by any Securityholder in relation to the Securities or the Documents shall not have been finally adjudicated, settled or discharged. The New Issuer and the Issuer shall acknowledge in the Documents the right of every Securityholder to the production of the Documents for the enforcement of any of the Securities or the Documents.
5. Not later than 15 Business Days after the execution of the Documents, the New Issuer shall give notice thereof to the Securityholders in accordance with §3 (*Notices*) of the General Terms.

For these purposes, "**Business Day**" means a day which is a day (other than a Saturday or a Sunday) on which both (i) the Clearing System, and (ii) the TARGET2-System are open to effect payments.

§8 (LIMITATION OF LIABILITY; PRESENTATION PERIODS; PRESCRIPTION)

1. The Issuer shall be held responsible for acting or failing to act in connection with Securities only if, and insofar as, it either breaches material obligations under or in connection with the Terms and Conditions negligently or wilfully or breaches other obligations with gross negligence or wilfully.
2. The period for presentation of the Securities (§801 (1) s.1 BGB) shall be ten years and the period of limitation for claims under the Securities presented during the period for presentation shall be two years calculated from the expiry of the relevant presentation period.

§9 (MODIFICATION CLAUSE)

1. If the Terms and Conditions contain manifest typographical errors or misspellings, the Issuer shall be entitled to correct such errors or misspellings without obtaining the Securityholders' consent, provided that such correction, taking into account the Issuer's interests, can reasonably be assumed to be acceptable to the Securityholders and, in particular, does not materially adversely affect the Securityholders' legal and financial position. Any such corrections shall be announced to the Securityholders in accordance with §3 (*Notices*) of the General Terms.
2. If the Terms and Conditions contain manifest calculation errors, the Issuer shall be entitled to correct such errors without obtaining the Securityholders' consent, provided that such correction, taking into account the Issuer's interests, can reasonably be assumed to be acceptable to the Securityholders and, in particular, does not materially adversely affect the Securityholders' legal and financial position. Any such corrections shall be announced to the Securityholders in accordance with §3 (*Notices*) of the General Terms.
3. If the Terms and Conditions contain any similar manifest errors, the Issuer shall be entitled to correct such errors without obtaining the Securityholders' consent, provided that such correction, taking into account the Issuer's interests, can reasonably be assumed to be acceptable to the Securityholders and, in particular, does not materially adversely affect the Securityholders' legal and financial position. Any such corrections shall be announced to the Securityholders in accordance with §3 (*Notices*) of the General Terms.
4. Any other inconsistencies or omissions in the Terms and Conditions or in individual provisions of the Terms and Conditions may be corrected or supplemented by the Issuer in its reasonable discretion (§315 BGB). However, only such corrections or supplements shall be permitted as – taking into account

the Issuer's interests – can reasonably be assumed to be acceptable to the Securityholders and, in particular, do not materially adversely affect the Securityholders' legal and financial position. Any such corrections or supplements shall be announced to the Securityholders in accordance with §3 (*Notices*) of the General Terms.

5. If the Issuer corrects or supplements any provision of the Terms and Conditions in accordance with this §9 and announces such correction or supplement to the Securityholders, each Securityholder may within two weeks of the relevant announcement declare the Securities held by him to be forthwith due and payable if such correction or supplement results in the Issuer's performance obligations being changed in a way that materially adversely affects the Securityholder. The Issuer shall inform the Securityholders of their right to declare their Securities to be due and payable when announcing the correction or supplement. If the Securities are declared to be due and payable, they shall be redeemed at the purchase price that the relevant Securityholder has paid for the Securities.
6. Manifest typographical errors or misspellings and similar manifest errors in the Terms and Conditions shall entitle the Issuer to a right of avoidance (*Anfechtung*) vis-à-vis the Securityholders. Such right of avoidance may only be exercised consistently vis-à-vis all Securityholders and without undue delay after having become aware of the relevant reason entitling to the right of avoidance. The right of avoidance shall be exercised by announcement in accordance with §3 (*Notices*) of the General Terms.
7. Manifest calculation errors and similar manifest errors in the Terms and Conditions shall entitle the Issuer to a right of avoidance (*Anfechtung*) vis-à-vis the Securityholders. Such right of avoidance may only be exercised consistently vis-à-vis all Securityholders and without undue delay after having become aware of the relevant reason entitling to the right of avoidance. The right of avoidance shall be exercised by announcement in accordance with §3 (*Notices*) of the General Terms.

§10 (FINAL CLAUSES)

1. The form and content of the Securities and the rights and duties, respectively, of the Securityholders, the Issuer, and the Paying Agent shall in all respects be governed by the laws of the Federal Republic of Germany.
2. Place of performance is Frankfurt am Main, Federal Republic of Germany.
3. Non-exclusive place of jurisdiction shall be Frankfurt am Main, Federal Republic of Germany.
4. English shall be the binding language of these Terms and Conditions.

7.2 Product Terms

§1 (DEFINITIONS)

For the purposes of the Terms and Conditions, the following definitions shall apply, subject to an adjustment in accordance with the Terms and Conditions:

Share | "**Adjustment Event**" means:

- (a) the adjustment of options or futures contracts relating to the Share at the Related Exchange or the announcement of such adjustment;
- (b) any of the following actions taken by the Company: capital increases through issuance of new shares against capital contribution and issuance of subscription rights to the shareholders, capital increases out of the Company's reserves, issuance of securities with options or conversion rights related to the Share, distributions of extraordinary dividends, stock splits or any other splits, consolidation or alteration of category;
- (c) a spin-off of a part of the Company in such a way that a new independent entity is formed, or that the spun-off part of the Company is absorbed by another entity; or

	(d) any other event relating to the Share having a diluting or concentrative effect on the theoretical value of such Share.
Mini Futures	<p>"Adjustment Day" means [each Raydius Business Day][every [insert specific Raydius Business Day of a week][the [insert ordinal number] calendar day in each month].</p> <p>"Adjustment Period" means the period of time commencing on the Issue Date (inclusive) until the first Adjustment Day (exclusive) and each subsequent period of time commencing on an Adjustment Day (inclusive) until the next following Adjustment Day (exclusive).</p>
Crypto Currency	<p>"Admin Adjustment Factor" means an amount expressed as a percentage and determined by the Issuer in its reasonable discretion (§315 BGB) to reflect the costs incurred in relation to storage and maintenance of physical Crypto Currency holding (if any) or any other related hedging.</p> <p>"Affiliate" means an affiliate within the meaning of §§290, 271 (1) HGB.</p> <p>"Applicable Risk Adjustment Factor" means the Risk Adjustment Factor applicable on the respective Raydius Business Day multiplied by (n/365).</p>
Currency Exchange Rate	" Base Currency " means the currency specified as such in the Product Data Table.
Share, Index, Gold	<p>"Benchmark Event" means:</p> <ul style="list-style-type: none"> (i) the Reference Interest Rate ceasing to be published for a period of at least [5][●] Raydius Business Days (as originally scheduled) or ceasing to exist; or (ii) a public statement by the administrator of the Reference Interest Rate that it has ceased or that it will cease publishing the Reference Interest Rate permanently or indefinitely (in circumstances where no successor administrator has been appointed that will continue publication of the Reference Interest Rate); or (iii) a public statement by the supervisor of the administrator of the Reference Interest Rate, that the Reference Interest Rate has been or will be permanently or indefinitely discontinued; or (iv) a public statement by the supervisor of the administrator of the Reference Interest Rate as a consequence of which the Reference Interest Rate will be prohibited from being used either generally, or in respect of the Securities; or (v) it has become unlawful for the Issuer or any other party to calculate any payments due to be made to any Securityholder using the Reference Interest Rate, <p>provided that in the case of sub-paragraphs (ii), (iii) and (iv), the Benchmark Event shall occur on the date of the cessation of publication of the Reference Interest Rate, the discontinuation of the Reference Interest Rate, or the prohibition of use of the Reference Interest Rate, as the case may be, and not the date of the relevant public statement.</p>
Futures Contract on Commodity	" Commodity " means the commodity underlying the Futures Contract.
Share	" Company " means the issuer of the Share.
Currency Exchange Rate	" Counter Currency " means the currency specified as such in the Product Data Table.
Crypto Currency	<p>"Crypto Currency" means the crypto currency specified as such in the Product Data Table.</p> <p>"Crypto Currency Business Day" means a day on which the relevant price for the determination of the Reference Price appears on the Price Source.</p>

Currency Exchange Rate	<p>"Currency Exchange Rate" means the Base Currency/Counter Currency exchange rate specified in the Product Data Table.</p> <p>"Currency Exchange Rate Business Day" means a day on which the relevant price for the determination of the Reference Price appears on the Price Source.</p>
Share	<p>"Dividend Adjustment Time" means [●].</p> <p>"Dividend Impact" reflects the price adjustment to the Share at the Dividend Adjustment Time due to the dividend payment [(including extraordinary dividend payments or any other dividend payments for which no corresponding adjustment is made to the Share to the knowledge of the Issuer)] on the basis of the dividend payment net of any taxes or other fees and costs. The Dividend Impact will be an amount determined by the Issuer in its reasonable discretion (§315 BGB).</p>
Index	<p>"Dividend Adjustment Time" means 11:00 pm (Frankfurt time) on the day prior to the day on which an index component is traded on the respective Index Component Exchange on an ex-dividend basis for the first time.</p> <p>"Dividend Impact" reflects the price adjustment to the index component at the Dividend Adjustment Time due to the dividend payment (including extraordinary dividend payments or any other dividend payments for which no corresponding adjustment is made to the Index to the knowledge of the Issuer) on the basis of the dividend payment net of any taxes or other fees and costs. The Dividend Impact will be an amount determined by the Issuer in its reasonable discretion (§315 BGB).</p>
Futures Contract on Commodity	<p>"Disappearance of Reference Price" means (a) the permanent discontinuation of trading in the Futures Contract on the Exchange, (b) the disappearance of, or of trading in, the Commodity or (c) the disappearance or permanent discontinuance or unavailability of the Reference Price, notwithstanding the availability of the Price Source or the status of trading in the Futures Contract or the Commodity.</p> <p>"EUR" means Euro.</p>
Share	<p>"Exchange" means the exchange or trading system as set out in the Product Data Table.</p> <p>"Exchange Business Day" means a day on which the Exchange and the Related Exchange are open for trading during their respective regular trading sessions, notwithstanding the Exchange or Related Exchange closing prior to its scheduled weekday closing time. Any trading or trading activities after or before the regular trading sessions on the Exchange or the Related Exchange will not be taken into account.</p>
Crypto Currency	<p>"Exchange" means any of the exchanges or trading systems as set out in the Product Data Table.</p> <p>"Exchange Business Day" means a Raydius Business Day on which the Exchange is open for trading, notwithstanding the Exchange closing prior to its scheduled weekday closing time. Any trading or trading activities on the Exchange outside of a Raydius Business Day will not be taken into account.</p>
Futures Contract	<p>"Exchange" means the exchange specified as such in the Product Data Table (including any successor). In case the Futures Contract is no longer traded on the Exchange, the Exchange shall be such other futures exchange as determined by the Issuer in its reasonable discretion (§315 BGB). The determination of another Exchange shall be published according to §3 (<i>Notices</i>) of the General Terms.</p> <p>"Exchange Business Day" means a day on which the Exchange is open for trading during its regular trading sessions, notwithstanding the Exchange closing prior to its scheduled</p>

weekday closing time. Any trading or trading activities after or before the regular trading sessions on the Exchange will not be taken into account.

Open End Turbo Warrants and Mini-Futures "Exercise Date" means [●][the date specified as such in the Product Data Table][the second Monday of January of each year, commencing in January [2021][insert year]].

Share "Extraordinary Event" means:

- (a) the termination of trading in, or early settlement of, options or futures contracts relating to the Share at the Related Exchange or the announcement of such termination or early settlement;
- (b) the termination of the listing of the Share on the Exchange due to a merger by absorption or by creation or due to any other reason, or the becoming known of the intention of the Company or the announcement of the Exchange that the listing of the Share at the Exchange will terminate immediately or at a later date and that the Share will not be admitted, traded or listed at any other exchange which is comparable to the Exchange (including the exchange segment, if applicable) immediately following the termination of the listing;
- (c) a takeover-bid, i.e. an offer to take over or to swap or any other offer or any other act of an individual person or a legal entity that results in the individual person or legal entity buying, otherwise acquiring or obtaining a right to buy more than 10% of the outstanding Shares of the Company as a consequence of a conversion or otherwise;
- (d) a Price Source Disruption;
- (e) a procedure is introduced or ongoing pursuant to which all shares or the substantial assets of the Company are or are liable to be nationalized or expropriated or otherwise transferred to public agencies, authorities or organizations;
- (f) the application for insolvency proceedings or for comparable proceedings with regard to the assets of the Company according to the applicable law of the Company; or
- (g) any other event that is economically equivalent to the aforementioned events with regard to their effects.

Index "Extraordinary Event" means

- (a) the cancellation or replacement of the Index or the replacement of the Index Sponsor by another person, company or institution not acceptable to the Issuer;
- (b) the adjustment of options or futures contracts relating to the Index on the Related Exchange or the announcement of such adjustment;
- (c) the termination of trading in or early settlement of options or futures contracts relating to the Index on the Related Exchange, if any, or the termination of trading in index components on any relevant exchange or trading system (the "**Index Component Exchange**") or the announcement of such termination or early settlement;
- (d) a Price Source Disruption;
- (e) a change in the currency in one or more index components and such change has a material effect on the level of the Index. The Issuer shall decide in its reasonable discretion (§315 BGB) whether this is the case;
- (f) the Index Sponsor (i) fails to announce or publish the Reference Price (or the information necessary for determining the Reference Price) and/or (ii) the

temporary or permanent discontinuance or unavailability of the source at which the Index Sponsor publishes the Index and/or (iii) materially modifies its Terms and Conditions for the use of the Index and/or materially increases its fees for the use or calculation of the Index so that it is no longer economically reasonable to reference such Index and such modification and/or increase, respectively, are relevant with respect to the Securities. The Issuer shall decide in its reasonable discretion (§315 BGB) whether this is the case;

- (g) the occurrence of an Index Benchmark Event;
- (h) the occurrence of an Index Modification;
- (i) any other event that is economically equivalent to the aforementioned events with regard to their effects.

Futures Contract **"Extraordinary Event"** means the occurrence of

- (a) a Disappearance of Reference Price;
- (b) a Material Change in Content;
- (c) a Material Change in Formula;
- (d) a Price Source Disruption;
- (e) a Tax Disruption;
- (f) a Trading Disruption; or
- (g) any other event that is economically equivalent to the aforementioned events with regard to their effects.

Gold **"Extraordinary Event"** means the occurrence of

- (a) a Price Source Disruption; or
- (b) any other event that is economically equivalent to the aforementioned event with regard to its effect.

Currency Exchange Rate **"Extraordinary Event"** means

- (a) the replacement of a currency underlying the Currency Exchange Rate in its function as statutory means of payment in the country or countries, the jurisdiction or jurisdictions, as the case may be, maintained by the authority, institution or other body which issues such currency;
- (b) the merger of a currency underlying the Currency Exchange Rate; or
- (c) the occurrence of a Price Source Disruption; or
- (d) any other event that is economically equivalent to the aforementioned events with regard to their effects.

Crypto Currency **"Extraordinary Event"** means the occurrence of

- (a) a Material Change in Content;
- (b) a Material Change in Formula;
- (c) a Price Source Disruption;
- (d) a Tax Disruption;
- (e) any adjustment by any of the Exchanges in relation to the Crypto Currency;

	(f) a Trading Disruption; or
	(g) any other event that is economically equivalent to the aforementioned events with regard to their effects.
	" First Trading Day " means [●][insert date][,] [corresponding to the day of the effective first trade of the Securities on Spectrum].
Share, Index, Gold	" Funding Amount " means an amount equal to the Previous Strike multiplied by the Funding Percentage.
Futures Contract, Crypto Currency	" Funding Amount " means [<i>insert in case of Long-Securities</i> : an amount equal to the Previous Strike multiplied by the Funding Percentage [(in case of Long-Securities)]] [and] [<i>insert in case of Short-Securities</i> : an amount equal to the negative value of the Previous Strike multiplied by the Funding Percentage [(in case of Short-Securities)]]].
Currency Exchange Rate	" Funding Amount " means the Reference Amount [<i>insert in case of Long-Securities</i> : plus [(in case of Long-Securities)]] [and] [<i>insert in case of Short-Securities</i> : minus [(in case of Short-Securities)]] the Previous Strike and multiplied by the Funding Percentage.
Share	" Funding Percentage " means [<i>insert in case of Long-Securities</i> : the Applicable Risk Adjustment Factor plus the Reference Interest Rate multiplied by (i) in case of a non-EUR denominated Share (n/365) or (ii) otherwise (n/360) [(in case of Long-Securities)]] [and] [<i>insert in case of Short-Securities</i> : the Reference Interest Rate multiplied by (i) in case of a non-EUR denominated Share (n/365) or (ii) otherwise (n/360) minus the Applicable Risk Adjustment Factor [(in case of Short-Securities)]]].
Index	" Funding Percentage " means [<i>insert in case of Long-Securities</i> : the Applicable Risk Adjustment Factor plus the Reference Interest Rate multiplied by (i) in case of a GBP denominated Index (n/365) or (ii) otherwise (n/360) [(in case of Long-Securities)]] [and] [<i>insert in case of Short-Securities</i> : the Reference Interest Rate multiplied by (i) in case of a GBP denominated Index (n/365) or (ii) otherwise (n/360) minus the Applicable Risk Adjustment Factor [(in case of Short-Securities)]]].
Futures Contract	" Funding Percentage " means the Applicable Risk Adjustment Factor.
Gold	" Funding Percentage " means [<i>insert in case of Long-Securities</i> : the Applicable Risk Adjustment Factor plus the Reference Interest Rate multiplied by (n/[360][insert other number]) [(in case of Long-Securities)]] [and] [<i>insert in case of Short-Securities</i> : the Reference Interest Rate multiplied by (n/[360][insert other number]) minus the Applicable Risk Adjustment Factor [(in case of Short-Securities)]]].
Currency Exchange Rate	" Funding Percentage " means the Applicable Risk Adjustment Factor.
Crypto Currency	" Funding Percentage " means the Applicable Risk Adjustment Factor plus the Admin Adjustment Factor.
	" Funding Time " means [[11:00 pm][insert in case of a Share: 7:30 am] [insert other time] (Frankfurt time)] [insert other time].
Futures Contract	" Futures Contract " means the futures contract specified as Underlying in the Product Data Table. On an Exchange Business Day to be determined by the Issuer in its reasonable discretion (§315 BGB) by taking into account the prevailing market conditions, which must be one of the 40 Exchange Business Days preceding the last trading day of the Futures

	<p>Contract (the "Futures Roll-over Date"), such Futures Contract shall cease to be the underlying of the Securities and shall be replaced by one of the six next expiring futures contracts on the Exchange with a residual life of at least [one month][<i>insert other term</i>], which, from that point onwards, shall be used as the Futures Contract for the valuation of the Securities (the "Futures Roll-over Event"). The determination of the new Futures Contract is made mainly on the basis of the liquidity on the Exchange (measured by the open interest).</p>
Index	" GBP " means Pound Sterling.
Gold	<p>"Gold" means the rate specified as such in the Product Data Table.</p> <p>"Gold Business Day" means a day on which the relevant price for the determination of the Reference Price appears on the Price Source.</p> <p>"Hedging Transaction" means any transaction or investment concluded by the Issuer and/or any Affiliate in its reasonable commercial discretion (<i>vernünftiges kaufmännisches Ermessen</i>) for hedging purposes in relation to the assumption and fulfilment of its obligations under the Securities.</p> <p>"HGB" means the German Commercial Code (<i>Handelsgesetzbuch</i>).</p>
Index	<p>"Index" means the index specified as Underlying in the Product Data Table.</p> <p>"Index Benchmark Event" means:</p> <ul style="list-style-type: none"> (i) the Index ceasing to be published for a period of at least [5][●] Index Business Days (as originally scheduled) or ceasing to exist; or (ii) a public statement by the Index Sponsor as administrator of the Index that it has ceased or that it will cease publishing the Index permanently or indefinitely (in circumstances where no successor Index Sponsor has been appointed that will continue publication of the Index); or (iii) a public statement by the supervisor of the Index Sponsor as administrator of the Index, that the Index has been or will be permanently or indefinitely discontinued; or (iv) a public statement by the supervisor of the administrator of the Index as a consequence of which the Index will be prohibited from being used either generally, or in respect of the Securities; or (v) it has become unlawful for the Issuer or any other party to calculate any payments due to be made to any Securityholder using the Index, <p>provided that in the case of sub-paragraphs (ii), (iii) and (iv), the Index Benchmark Event shall occur on the date of the cessation of publication of the Index, the discontinuation of the Index, or the prohibition of use of the Index, as the case may be, and not the date of the relevant public statement.</p> <p>"Index Business Day" means a day on which the level of the Index is published by the Index Sponsor.</p> <p>"Index Sponsor" means the index sponsor specified for the relevant Index in the Product Data Table (including any successor index sponsor).</p> <p>"Issue Currency" means [EUR][<i>insert currency</i>].</p> <p>"Issue Date" means [<i>insert issue date</i>].</p>
Securities other than Mini Futures	" Knock-out Barrier " means the relevant Strike, as periodically adjusted.
Mini Futures	" Knock-out Barrier " means [<i>insert in case of a Share or Index</i> : subject to a Dividend Impact for the first Adjustment Period the amount specified as such in the Product Data Table. A

new Knock-out Barrier for each additional Adjustment Period shall be determined on the Adjustment Day falling within the relevant Adjustment Period by multiplying the relevant Strike with [*insert in case of Long-Securities*: the sum of 100 (one hundred) per cent. and the Knock-out Buffer [(in case of Long-Securities))] [and] [*insert in case of Short-Securities*: the difference between 100 (one hundred) per cent. and the Knock-out Buffer [(in case of Short-Securities)]]], subject to a Dividend Impact. On each Dividend Adjustment Time the Knock-Out Barrier will be adjusted by the Dividend Impact [(in case of Short-Securities)]] [*insert in case of a Futures Contract, Gold or Currency Exchange Rate*: for the first Adjustment Period the amount specified as such in the Product Data Table. A new Knock-out Barrier for each additional Adjustment Period shall be determined on the Adjustment Day falling within the relevant Adjustment Period by multiplying the relevant Strike with [*insert in case of Long-Securities*: the sum of 100 (one hundred) per cent. and the Knock-out Buffer [(in case of Long-Securities))] [and] [*insert in case of Short-Securities*: the difference between 100 (one hundred) per cent. and the Knock-out Buffer [(in case of Short-Securities)]]]. The Issuer will determine the Knock-out Barrier and the respective Knock-out Buffer in its reasonable discretion (*billiges Ermessen*) (§ 315 BGB) by taking into account the relevant prevailing market conditions (in particular, the volatility).

"**Knock-out Buffer**" means (a) on the Issue Date, an amount determined by the Issuer in its reasonable discretion (*billiges Ermessen*) (§ 315 BGB) and specified as such in the Product Data Table and (b) on any Adjustment Day within the Observation Period after the Issue Date an amount determined by the Issuer to be within a range of zero (0) and [*insert maximum amount of the Knock-out Buffer*] on each Adjustment Day by applying the Strike Adjustment.

"**Long-Securities**" means the Securities of the Type "Long".

Share "**Market Disruption Event**" means the occurrence or existence of any suspension of, or limitation imposed on, trading in (a) the Share on the Exchange, or (b) any options or futures contracts relating to the Share on the Related Exchange (if such options or futures contracts are traded on the Related Exchange), provided that any such suspension or limitation is material. The decision whether a suspension or limitation is material will be made by the Issuer in its reasonable discretion (§315 BGB). The occurrence of a Market Disruption Event on the Valuation Date shall be published in accordance with §3 (*Notices*) of the General Terms.

A limitation regarding the office hours or the number of days of trading will not constitute a Market Disruption Event if it results from an announced change in the regular business hours of the respective exchange. A limitation on trading imposed during the course of a day by reason of movements in price exceeding permitted limits shall only be a Market Disruption Event if such limitation still prevails at the time of termination of the trading hours on such day.

Index "**Market Disruption Event**" means the occurrence or existence of any suspension of, or limitation imposed on, trading in (a) options or futures contracts on the Index on the Related Exchange, or (b) one or more index components on any Index Component Exchange, provided that any such suspension or limitation is material. The decision whether a suspension or limitation is material will be made by the Issuer in its reasonable discretion (§315 BGB). The occurrence of a Market Disruption Event on the Valuation Date shall be published in accordance with §3 (*Notices*) of the General Terms.

A limitation regarding the office hours or the number of days of trading will not constitute a Market Disruption Event if it results from an announced change in the regular business hours of the Related Exchange or the Index Component Exchange. A limitation on trading imposed during the course of a day by reason of movements in price exceeding permitted limits shall only be deemed to be a Market Disruption Event in the case that such limitation is still prevailing at the time of termination of the trading hours on such date.

Futures Contract	<p>"Material Change in Content" means the occurrence since the Issue Date of a material change in the content, composition or constitution of the Futures Contract (or the Commodity, if applicable).</p> <p>"Material Change in Formula" means the occurrence since the Issue Date of a material change in the formula for, or the method of, calculating the Reference Price.</p>
Crypto Currency	<p>"Material Change in Content" means the occurrence since the Issue Date of a material change in the content, composition, constitution or other technical specifications of the Crypto Currency.</p> <p>"Material Change in Formula" means the occurrence since the Issue Date of a material change in the formula for, or the method of, calculating the Reference Price.</p>
Turbo Warrants	<p>"Maturity Date" means <i>[insert date]</i>[the date specified as such in the Product Data Table].</p>
Share, Index, Futures Contract, Currency Exchange Rate, Crypto Currency	<p>"n" means 1 in case the relevant day for determination is a Monday, Tuesday, Wednesday or Thursday and 3 in case the relevant day for determination is a Friday.</p>
Gold	<p>"n" means 1 in case the relevant day for determination is a Monday, Tuesday, Thursday or Friday and 3 in case the relevant day for determination is a Wednesday.</p> <p>"Observation Period" means the period from the First Trading Day to the Valuation Date (each including).</p> <p>"Payment Business Day" means a day on which commercial banks [and foreign exchange markets in <i>[insert financial centre(s)]</i>] and the TARGET2-System are open for business and the Clearing System settles payments in the Issue Currency.</p> <p>"Previous Strike" means the Strike applicable on the immediately preceding Raydius Business Day.</p> <p>"Price Source" means the source specified as such in the Product Data Table.</p>
Futures Contract	<p>"Price Source Disruption" means (a) the failure of the Price Source to announce or publish the Reference Price (or the information necessary for determining the Reference Price) when regularly scheduled; or (b) the temporary or permanent discontinuance or unavailability of the Price Source.</p>
Share, Index, Gold	<p>"Price Source Disruption" means (a) the failure of the Price Source or Reference Interest Rate Source to announce or publish the Reference Price (or the information necessary for determining the Reference Price) when regularly scheduled; or (b) the temporary or permanent discontinuance or unavailability of the Price Source or Reference Interest Rate Source.</p>
Currency Exchange Rate	<p>"Price Source Disruption" means (a) the failure of the Price Source or the Reference Amount Source to announce or publish the Reference Price (or the information necessary for determining the Reference Price) when regularly scheduled; or (b) the temporary or permanent discontinuance or unavailability of the Price Source or the Reference Amount Source.</p>

Crypto Currency	<p>"Price Source Disruption" means (a) the failure of the Price Source to announce or publish the Reference Price (or the information necessary for determining the Reference Price); or (b) the temporary or permanent discontinuance or unavailability of the Price Source.</p> <p>"Product Data Table" means the annex attached to these Terms and Conditions which contains the product specific definitions in relation to each series of Securities.</p> <p>"Raydius Business Day" means each calendar day in a week starting on Sunday 11:00 pm Frankfurt time and ending on Friday 11:00 pm Frankfurt time on which Spectrum has opened trading sessions.</p> <p>"Ratio" means the ratio specified as such in the Product Data Table.</p>
Currency Exchange Rate	<p>"Reference Amount" means the swap rate specified as such in the Product Data Table, which is published on the Reference Amount Source and determined by the Issuer on each Raydius Business Day by reference to the Reference Amount Source (<u><i>insert in case of Long-Securities: offer price</i></u> [(in case of Long-Securities)]) [and] <u><i>insert in case of Short-Securities: bid price</i></u> [(in case of Short-Securities)]) as the amount of such swap rate as at 10:00 pm (Frankfurt time).</p> <p>"Reference Amount Source" means the price source specified as such in the Product Data Table (or any successor price source thereto).</p>
Share, Index and Gold	<p>"Reference Interest Rate" means the rate specified as such in the Product Data Table, which is published on the Reference Interest Rate Source and determined by the Issuer on each Raydius Business Day by reference to the Reference Interest Rate Source as the percentage value of such rate applicable on the preceding Raydius Business Day as at the Funding Time.</p> <p>"Reference Interest Rate Source" means the rate source specified as such in the Product Data Table (or any successor rate source thereto).</p>
Share	<p>"Reference Price" means the intraday level of the Share determined by the Issuer with reference to the Price Source on any Share Business Day.</p>
Index	<p>"Reference Price" means the intraday level of the Index published by the Index Sponsor and determined by the Issuer with reference to the Price Source on any Index Business Day.</p>
Futures Contract	<p>"Reference Price" means the settlement price of the Futures Contract published by the Exchange and determined by the Issuer with reference to the Price Source on any Exchange Business Day.</p>
Gold	<p>"Reference Price" means the intraday level of Gold determined by the Issuer with reference to the Price Source on any Gold Business Day.</p>
Currency Exchange Rate	<p>"Reference Price" means the intraday level of the Currency Exchange Rate determined by the Issuer with reference to the Price Source on any Currency Exchange Rate Business Day.</p>
Crypto Currency	<p>"Reference Price" means the intraday level of the Crypto Currency determined by the Issuer with reference to the Price Source on any Crypto Currency Business Day.</p>

Share	<p>"Related Exchange" means the exchange or trading system with the largest trading volume in options or futures contracts in relation to the Share. If options or futures contracts on the Share are not traded on any exchange, the Related Exchange shall be the options or futures exchange with the highest amount of options or futures contracts relating to shares of companies having their residence in the country in which the Company has its residence. If there is no options or futures exchange in the country in which the Company has its residence on which options or futures contracts on shares are traded, the Issuer will determine the Related Exchange in its reasonable discretion (§315 BGB) and will make notification thereof in accordance with §3 (<i>Notices</i>) of the General Terms.</p>
Index	<p>"Related Exchange" means the exchange or trading system with the largest trading volume in options or futures contracts in relation to the Index. If no options or futures contracts in relation to the Index are traded on any exchange, the Issuer shall determine an alternative trading system as the Related Exchange in its reasonable discretion (§315 BGB) and shall announce its choice in accordance with §3 (<i>Notices</i>) of the General Terms.</p> <p>"Relevant Conversion Rate" means the rate actually traded on the International Interbank Spot Market for EUR 1.00 in the Underlying Currency on the Valuation Day at the time the Reference Price is determined.</p> <p>"Risk Adjustment Factor" means a per annum percentage determined on each Raydius Business Day as at the Funding Time divided by [360][365], which indicates the price of the risks assumed by the Issuer. The determination of the Risk Adjustment Factor will be made by the Issuer in its reasonable discretion (§315 BGB) within a range of [●]% (floor) and [●]% (cap).</p>
Futures Contract	<p>"Roll-over Reference Price" means the price of the current Futures Contract on the relevant Futures Roll-over Date that is determined based on the prices traded and published on the Exchange on the relevant Futures Roll-over Date. The Issuer shall determine the Roll-over Reference Price in its reasonable discretion (§315 BGB).</p>
Share	<p>"Share" means the share or security similar to shares as set out in the Product Data Table.</p> <p>"Share Business Day" means a day on which the relevant price for the determination of the Reference Price appears on the Price Source.</p> <p>"Short-Securities" means the Securities of the Type "Short".</p>
Mini Futures	<p>"Stop-Loss Redemption Amount" means the amount equal to (i) the amount by which the Stop-Loss Reference Price expressed in the Underlying Currency [<i>insert in case of Long-Securities: exceeds</i>] [<i>insert in case of Short-Securities: is exceeded by</i>] [<i>insert in case of Long- and Short-Securities: exceeds (Long-Security) or is exceeded by (Short-Security)</i>] the Strike applicable on the day the Knock-out Event occurred multiplied by (ii) the Ratio, as converted into the Issue Currency (if applicable).</p>
Mini Futures	<p>"Stop-Loss Reference Price" means the reference price of the Underlying determined by the Issuer in its reasonable discretion (<i>billiges Ermessen</i>) (§ 315 BGB) without undue delay (<i>ohne schuldhaftes Zögern</i>) after the occurrence of the Knock-out Event taking into account the Reference Price.</p> <p>"Spectrum" means the multilateral trading facility Spectrum, which is operated by Spectrum MTF Operator GmbH.</p> <p>"Strike" means (a) on the Issue Date an amount specified as such in the Product Data Table and (b) on any Raydius Business Day within the Observation Period after the Issue Date the</p>

amount determined by the Issuer on each Raydius Business Day as at the Strike Adjustment Time by applying the Strike Adjustment.

Share	<p>"Strike Adjustment" means that (a) on the Issue Date, the Strike is equal to the price determined by the Issuer by reference to the applicable Price Source as at the Issue Date and (b) on any Raydius Business Day within the Observation Period after the Issue Date the Strike is equal to the Previous Strike plus the Funding Amount and (c) on each Dividend Adjustment Time is, irrespective of (b) above, the Strike is equal to the sum of the Previous Strike and the Funding Amount [<i>insert in case of Long-Securities</i>: plus [(in case of Long-Securities))] [and] [<i>insert in case of Short-Securities</i>: minus [(in case of Short-Securities)]] the Dividend Impact.</p>
Index	<p>"Strike Adjustment" means that (a) on the Issue Date, the Strike is equal to the price determined by the Issuer by reference to the applicable Price Source as at the Issue Date and (b) on any Raydius Business Day within the Observation Period after the Issue Date the Strike is equal to the Previous Strike plus the Funding Amount and (c) on each Dividend Adjustment Time is, irrespective of (b) above, the Strike is equal to the sum of the Previous Strike and the Funding Amount [<i>insert in case of Long-Securities</i>: plus [(in case of Long-Securities))] [and] [<i>insert in case of Short-Securities</i>: minus [(in case of Short-Securities)]] the Dividend Impact.</p>
Futures Contract	<p>"Strike Adjustment" means that (a) on the Issue Date, the Strike is equal to the price determined by the Issuer by reference to the applicable Price Source as at the Issue Date and (b) on any Raydius Business Day within the Observation Period after the Issue Date the Strike is equal to the Previous Strike plus the Funding Amount and (c) on each Futures Roll-over Date, irrespective of (b) above, the Strike is equal to the sum of the Previous Strike and the Funding Amount minus the difference of the Roll-over Reference Price of the previous Futures Contract on the Futures Roll-over Date and the Roll-over Reference Price of the new Futures Contract on the Futures Roll-over Date.</p>
Gold, Currency Exchange Rate	<p>"Strike Adjustment" means that (a) on the Issue Date, the Strike is equal to the price determined by the Issuer by reference to the applicable Price Source as at the Issue Date and (b) on any Raydius Business Day within the Observation Period after the Issue Date the Strike is equal to the Previous Strike plus the Funding Amount.</p>
Crypto Currency	<p>"Strike Adjustment" means that (a) on the Issue Date, the Strike is equal to the price determined by the Issuer by reference to the applicable Price Source as at the Issue Date and (b) on any Raydius Business Day within the Observation Period after the Issue Date the Strike is equal to the Previous Strike plus the Funding Amount.</p> <p>"Strike Adjustment Time" means [[11:00 pm][<i>insert in case of a Share</i>: 7:30 am] [<i>insert other time</i>] (Frankfurt time)] [<i>insert other time</i>].</p> <p>"TARGET2-System" means the Trans-European Automated Real-Time Gross Settlement Express Transfer System or any successor thereto.</p>
Futures Contract, Crypto Currency	<p>"Tax Disruption" means the imposition of, change in or removal of an excise, severance, sales, use, value-added, transfer, stamp, documentary, recording or similar tax on, or measured by reference to, the [Futures Contract][Crypto Currency] (other than a tax on, or measured by reference to overall gross or net income) by any government or taxation authority after the Issue Date, if the direct effect of such imposition, change or removal is to raise or lower the Reference Price.</p>

Futures Contract "Trading Disruption" means the material suspension of, or the material limitation imposed on, trading in the Futures Contract (or the Commodity, if applicable) or an early settlement on the Exchange. For these purposes:

- (A) a suspension of the trading in the Futures Contract (or the Commodity, if applicable) on any Exchange Business Day (as originally scheduled ignoring such suspension) shall be deemed to be material only if:
 - (1) all trading in the Futures Contract (or the Commodity, if applicable) is suspended for the entire Exchange Business Day; or
 - (2) all trading in the Futures Contract (or the Commodity, if applicable) is suspended subsequent to the opening of trading on the Exchange Business Day, trading does not recommence prior to the regularly scheduled close of trading in such Futures Contract (or such Commodity, if applicable) on such Exchange Business Day and such suspension is announced less than one hour preceding its commencement; and
- (B) a limitation of trading in the Futures Contract (or the Commodity, if applicable) on any Exchange Business Day shall be deemed to be material only if the Exchange establishes limits on the range within which the price of the Futures Contract (or the Commodity, if applicable) may fluctuate and the closing or settlement price of the Futures Contract (or the Commodity, if applicable) on such day is at the upper or lower limit of that range.

Crypto Currency "Trading Disruption" means the material suspension of, and/or the material limitation imposed on, trading in the Crypto Currency or an early settlement on all of the Exchanges. For these purposes:

- (A) a suspension of the trading in the Crypto Currency on any Exchange Business Day (as originally scheduled ignoring such suspension) shall be deemed to be material only if:
 - (1) trading in the Crypto Currency is suspended for a substantial time on the Exchange Business Day on the relevant Exchange; or
 - (2) all trading in the Crypto Currency is suspended on the Exchange Business Day on the relevant Exchange, trading does not recommence in such Crypto Currency on such Exchange Business Day on the relevant Exchange and such suspension is announced, if any, less than one hour preceding its commencement or has not been announced at all; and
- (B) a limitation of trading in Crypto Currency on any Exchange Business Day shall be deemed to be material only if the relevant Exchange establishes limits on the range within which the price of the Crypto Currency may fluctuate and the closing or settlement price of the Crypto Currency on such day is at the upper or lower limit of that range.

"Type" means the type specified in the Product Data Table, whereas "Long" denotes Long-Securities and "Short" denotes Short-Securities.

"Underlying" means the underlying asset to which the Securities are linked.

"Underlying Currency" means the currency specified as such in the Product Data Table.

"Valuation Date" means the *[insert in case of Turbo Warrants: Maturity Date][insert in case of Open End Turbo Warrants and Mini-Futures: Exercise Date or, in case of an Ordinary Termination, the Ordinary Termination Date (each as defined in §3 (Ordinary Termination by the Issuer) below)]*, subject to §6 (*Postponements*).

"Valuation Time" means [●][in respect of a Share [●]][,] [and] [in respect of an Index the time the Index Sponsor last published the level of the Index (official closing level)][,] [and] [in respect of a Futures Contract [●]][,] [and] [in respect of a Currency Exchange Rate

[2:00][●] [am][pm] [(Frankfurt time)][,] [and] [in respect of Gold [●]][,] [and] [in respect of a Crypto Currency [●]].

§2 (REDEMPTION)

1. The Securities grant the Securityholder the right to receive from the Issuer the payment of the Redemption Amount in accordance with this §2 (the "**Option Right**").
 2. Subject to §2 (5), each Security is redeemed by payment of an amount equal to (i) the amount by which the Reference Price of the Underlying on the Valuation Date determined as at the Valuation Time expressed in the Underlying Currency [*insert in case of Long-Securities: exceeds*] [*insert in case of Short-Securities: is exceeded by*] [*insert in case of Long- and Short-Securities: exceeds (Long-Security) or is exceeded by (Short-Security)*] the Strike applicable on the Valuation Date multiplied by (ii) the Ratio, as converted into the Issue Currency (if applicable) (the "**Redemption Amount**").
- | | | |
|------------------------------------|----|---|
| Securities other than Mini Futures | 3. | The Strike is adjusted on each Raydius Business Day within the Observation Period according to the Strike Adjustment. |
| Mini Futures | 3. | The Strike is adjusted on each Raydius Business Day within the Observation Period according to the Strike Adjustment and the Knock-out Barrier is adjusted on each Adjustment Day within the Observation Period according to the definition of Knock-out Barrier. |
| 4. | | Any currency conversion required pursuant to this §2 shall be made at the Relevant Conversion Rate if Quanto Conversion is specified as "Not applicable" in the Product Data Table, otherwise the conversion is performed on the following basis: one unit of the Underlying Currency corresponds to one unit of the Issue Currency (<i>quanto</i>). |
| Securities other than Mini Futures | 5. | If during the Observation Period the Reference Price is at least once equal to [<i>insert in case of Long-Securities: or below</i>] [<i>insert in case of Short-Securities: or above</i>] [<i>insert in case of Long- and Short-Securities: or below (Long-Security) or equal to or above (Short-Security)</i>] the Knock-out Barrier (the " Knock-out Event "), the Option Right pursuant to §2 (1) shall expire. |
| Mini-Futures | 5. | If during the Observation Period the Reference Price is at least once equal to [<i>insert in case of Long-Securities: or below</i>] [<i>insert in case of Short-Securities: or above</i>] [<i>insert in case of Long- and Short-Securities: or below (Long-Security) or equal to or above (Short-Security)</i>] the Knock-out Barrier (the " Knock-out Event "), the Option Right pursuant to §2 (1) shall expire and the Securities will automatically be exercised by payment of an amount equal to the Stop-Loss Redemption Amount. |
| 6. | | Following a Knock-Out Event the Stop-Loss Redemption Amount, if any, shall be paid to the Securityholders not later than on the [10 th][●] Payment Business Day following [the Knock-Out Event][●]. |
| Turbo Warrants | 6. | The Option Right pursuant to §2 (1) shall be deemed automatically exercised on the Maturity Date, provided that the Redemption Amount is a positive amount at that time. |
| | 7. | The Redemption Amount shall be paid to the Securityholders not later than on the [10 th][●] Payment Business Day following the Valuation Date. |

Open End Turbo
Warrants and
Mini-Futures

6. In order to validly exercise the Option Right, with respect to an Exercise Date the Securityholder is obliged to instruct the account holding bank to
 - (a) deliver an exercise notice (the "**Exercise Notice**") to the Paying Agent (i) in the form available at the Paying Agent or (ii) by providing the following information in text form: name and address of the Securityholder, name, ISIN and number of Securities to be redeemed and the cash account of the Securityholder to which the transfer of any Redemption Amount shall be effected in accordance with §4; and
 - (b) deliver the Securities via the account holding bank by crediting the Securities to the account of the Paying Agent with the Clearing System.

On the Exercise Date at or prior to 10:00 am (Frankfurt time) (i) the Exercise Notice has to be received by the Paying Agent and (ii) the Securities have to be booked at the account of the Paying Agent with the Clearing System.
7. The Exercise Notice shall be binding and irrevocable.
8. An Exercise Notice submitted with regard to a specific Exercise Date shall be void if the above mentioned provisions are not fulfilled. Any Exercise Notice that is void in accordance with the preceding sentence shall not be treated as an Exercise Notice relating to a later Exercise Date.

If the number of Securities stated in the Exercise Notice, for which redemption is requested, differs from the number of Securities transferred to the Paying Agent, the Exercise Notice shall be deemed submitted only with regard to the smaller number of Securities . Any excess Securities shall be re-transferred at the cost and risk of the Securityholder to the account holding bank.
9. Option Rights can only be exercised for the Exercise Number or for an integral multiple thereof.

Any exercise of Securities at a number which is less than the Exercise Number shall be void. Any exercise of Securities at a number which is more than the Exercise Number that is not an integral multiple thereof, shall be deemed to be an exercise of the next smaller number of Securities which is the minimum number or an integral multiple thereof. Securities exceeding the Exercise Number or an integral multiple thereof shall be re-transferred at the cost and risk of the Securityholder to the account holding bank.

"**Exercise Number**" means the minimum number of Securities specified as such in the Product Data Table.
10. Following the valid exercise of the Option Right the Redemption Amount shall be paid to the Securityholders not later than on the [10th][●] Payment Business Day following the Valuation Date.

§3 (ORDINARY TERMINATION BY THE ISSUER)

Turbo Warrants

The Issuer shall not be entitled to ordinarily terminate the Securities prior to their Maturity Date.

Open End Turbo
Warrants and
Mini-Futures

1. The Issuer shall be entitled to ordinarily terminate the Securities in whole but not in part ("**Ordinary Termination**"), in each case with effect as of [[●] of each [year][month], for the first time with effect as of [●]] [*insert other provision*] (any such day an "**Ordinary Termination Date**").
2. Any such Ordinary Termination must be announced at least [*number*] days prior to the Ordinary Termination Date in accordance with §3 (*Notices*) of the General Terms.

Such announcement shall be irrevocable and must state the Ordinary Termination Date.

3. In the case of an Ordinary Termination of the Securities each Securityholder shall receive a payment per Security as determined in accordance with the provisions of §2 (2). In this respect, the Ordinary Termination Date shall in all respects supersede the Maturity Date.
4. Any amounts that are payable pursuant to these Terms and Conditions in the case of Ordinary Termination shall be paid to the Securityholders not later than on the [●][th] Payment Business Day following the Valuation Date.
5. The right of the Securityholders to request redemption of the Securities with effect as of any Exercise Date preceding the relevant Ordinary Termination Date shall not be affected by such Ordinary Termination by the Issuer in accordance with this §3.

§4 (PAYMENTS)

1. The Issuer irrevocably undertakes to pay, as and when due, all amounts payable pursuant to these Terms and Conditions of the Securities in the Issue Currency. Payments on Securities issued in compliance with the TEFRA D rules and represented by a Temporary Global Security shall only be made upon due Certification of non-US Beneficial Ownership in accordance with §1 (2) (*Form*) of the General Terms.
2. All amounts payable under these Terms and Conditions will be rounded to the nearest EUR 0.01 (EUR 0.005 will be rounded upwards).
3. All amounts payable pursuant to these Terms and Conditions shall be paid to the Paying Agent for transfer to the Clearing System or pursuant to the Clearing System's instruction for credit to the relevant accountholders on the dates stated in these Terms and Conditions. Payment to the Clearing System or pursuant to the Clearing System's instruction shall release the Issuer from its payment obligations under the Securities in the amount of such payment.
4. If any payment pursuant to these Terms and Conditions is to be made on a day that is not a Payment Business Day, payment shall be made on the next following Payment Business Day. In this case, the Securityholders shall neither be entitled to any payment claim nor to any interest claim or other compensation with respect to such delay.
5. All payments are subject in all cases to any applicable fiscal or other laws, regulations and directives and subject to the provision contained in §4 (*Taxes*) of the General Terms.

§5 (ADJUSTMENTS)

- Share
1. Upon the occurrence of an Adjustment Event and/or Extraordinary Event each of which has a material effect on the Share or the Reference Price, the Issuer shall make any such adjustments to the Terms and Conditions as are necessary to adequately account for the economic effect of the Adjustment Event or Extraordinary Event on the Securities and to preserve, in essence, the economic profile that the Securities had prior to the occurrence of the Adjustment Event or Extraordinary Event in accordance with the following provisions (each an "**Adjustment**"). The Issuer shall decide in its reasonable discretion (§315 BGB) whether an Adjustment Event or Extraordinary Event has occurred and whether such Adjustment Event or Extraordinary Event has a material effect on the Share or the Reference Price.
 2. An Adjustment may result in:

- (a) the replacement of the Share by another share and/or cash and/or any other compensation, in each case as stipulated with reference to the relevant Adjustment Event or Extraordinary Event (a "**Replacement**"), and the determination of a replacement stock exchange as the Exchange and a replacement options and futures exchange as the Related Exchange, and/or
 - (b) increases or decreases of specified variables and values or the amounts payable under the Securities taking into account:
 - (i) the effect of an Adjustment Event or Extraordinary Event on the price of the Share;
 - (ii) the diluting or concentrative effect of an Adjustment Event or Extraordinary Event on the theoretical value of the Share; and/or
 - (iii) any cash compensation or other compensation in connection with a Replacement; and/or
 - (c) consequential amendments to the share related provisions of the Terms and Conditions that are required to fully reflect the consequences of the Replacement.
3. Adjustments should correspond to the adjustments to options or futures contracts relating to the Share made by the Related Exchange (a "**Related Exchange Adjustment**").
- (a) If the Related Exchange Adjustment results in the replacement of the Share by a basket of shares, the Issuer shall be entitled to determine that only the share with the highest market capitalisation on the Cut-off Date (as defined in §5 (5) below) shall be the (replacement) Share for the purpose of the Securities, and to hypothetically sell the remaining shares in the basket on the first Exchange Business Day following the Cut-off Date at the first available price and hypothetically reinvest the proceeds immediately afterwards in the (replacement) Share by making an appropriate adjustment to the specified variables and values or the amounts payable under the Securities. If the determination of the share with the highest market capitalisation would result in an economic inappropriate adjustment, the Issuer shall be entitled to select any other share of the basket of shares to be the (replacement) Share in accordance with the foregoing sentence. The Issuer shall decide in its reasonable discretion (§315 BGB) whether this is the case.
 - (b) In particular, the Issuer shall not be required to make adjustments to the Terms and Conditions by reference to Related Exchange Adjustments in cases where:
 - (i) the Related Exchange Adjustments would result in economically irrelevant adjustments to the Terms and Conditions; the Issuer shall decide in its reasonable discretion (§315 BGB) whether this is the case;
 - (ii) the Related Exchange Adjustments violate the principles of good faith or would result in adjustments of the Terms and Conditions contrary to the principle to preserve, in essence, the economic profile that the Securities had prior to the occurrence of the Adjustment Event or the Extraordinary Event and to adequately take into account the economic effect thereof on the price of the Share; the Issuer shall decide in its reasonable discretion (§315 BGB) whether this is the case; or
 - (iii) in cases where no Related Exchange Adjustment occurs but where such Related Exchange Adjustment would be required pursuant to the adjustment rules of the Related Exchange; in such case, the Issuer shall decide in its reasonable discretion (§315 BGB) whether this is the case

and shall make Adjustments in accordance with the adjustment rules of the Related Exchange.

(c) In the event of any doubts regarding the application of the Related Exchange Adjustment or adjustment rules of the Related Exchange or where no Related Exchange exists, the Issuer shall make such adjustments to the Terms and Conditions which are required in its reasonable discretion (§315 BGB) to preserve, in essence, the economic profile that the Securities had prior to the occurrence of the Adjustment Event or the Extraordinary Event and to adequately take into account the economic effect thereof on the price of the Share.

4. Any reference made to the Share in these Terms and Conditions shall, if the context so admits, then refer to the replacement share. All related definitions shall be deemed to be amended accordingly.
5. Adjustments shall take effect as from the date (the "**Cut-off Date**") determined by the Issuer in its reasonable discretion (§315 BGB), provided that (if the Issuer takes into consideration the manner in which adjustments are or would be made by the Related Exchange) the Issuer shall take into consideration the date at which such adjustments take effect or would take effect at the Related Exchange.
6. Upon the occurrence of a Price Source Disruption the Issuer will determine in its reasonable discretion (§315 BGB) another price source that provides the required information for the determination of the Reference Price (the "**Successor Price Source**") and following such determination such Successor Price Source shall be the relevant Price Source. The Issuer will immediately publish the Successor Price Source pursuant to §3 (*Notices*) of the General Terms.
7. Adjustments as well as their Cut-off Date shall be notified by the Issuer in accordance with §3 (*Notices*) of the General Terms.
8. If, on or prior to any determination of the Reference Interest Rate on a Raydius Business Day, the Issuer determines that the initial Reference Interest Rate has been discontinued or is permanently no longer being published and/or a Benchmark Event has occurred ("**Reference Interest Rate Event**"), the Issuer will use a substitute or successor base rate that it has determined, in its reasonable discretion (§315 BGB) after consulting any source it deems to be reasonable, is (a) the industry-accepted substitute or successor base rate or (b) if there is no such industry-accepted substitute or successor base rate, a substitute or successor base rate that is most comparable to the initial Reference Interest Rate.

Upon selection of a substitute or successor base rate, the Issuer may determine, in its reasonable discretion after consulting any source it deems to be reasonable, the day count, the business day convention, the definition of business day and any other relevant methodology or definition for calculating such substitute or successor base rate, including any adjustment factor or additional spread it determines is needed to make such substitute or successor base rate comparable to the initial Reference Interest Rate, in a manner that is consistent with any industry-accepted practices for such substitute or successor base rate.

For the avoidance of doubt, the above is additional, and without prejudice, to any other terms of the Securities. In the event that under any such terms any other consequences could apply in relation to an event or occurrence the subject of a Reference Interest Rate Event, the Issuer shall determine which terms shall apply in its reasonable discretion (§315 BGB).

9. Any Adjustment in accordance with this §5 does not preclude a subsequent termination in accordance with §7 on the basis of the same event.

1. Upon the occurrence of an Extraordinary Event which has a material effect on the Index or the Reference Price, the Issuer shall make any such adjustments to the Terms and Conditions as are necessary to adequately account for the economic effect of the Extraordinary Event on the Securities and to preserve, in essence, the economic profile that the Securities had prior to the occurrence of the Extraordinary Event in accordance with the following provisions (each an "**Adjustment**"). The Issuer shall decide in its reasonable discretion (§315 BGB) whether an Extraordinary Event has occurred and whether such Extraordinary Event has a material effect on the Index or the Reference Price.
 - (a) An Adjustment may result in:
 - (i) the replacement of the Index by another index (a "**Replacement**"), and/or the replacement of the Index Sponsor by another person, company or institution acceptable to the Issuer as a new index sponsor,
 - (ii) increases or decreases of specified variables and values or the amounts payable under the Securities taking into account:
 - (aa) the effect of an Extraordinary Event on the level of the Index;
 - (bb) the diluting or concentrative effect of an Extraordinary Event on the theoretical value of the Index; or
 - (cc) any cash compensation or other compensation in connection with a Replacement;
 - and/or
 - (iii) consequential amendments to the index related provisions of the Terms and Conditions that are required to fully reflect the consequences of the Replacement.
- (b) Adjustments should correspond to the adjustments to options or futures contracts relating to the Index made by the Related Exchange (a "**Related Exchange Adjustment**").
 - (i) In particular, the Issuer shall not be required to make adjustments to the Terms and Conditions by reference to Related Exchange Adjustments, in cases where
 - (aa) the Related Exchange Adjustments would result in economically irrelevant adjustments to the Terms and Conditions; the Issuer shall decide in its reasonable discretion (§315 BGB) whether this is the case;
 - (bb) the Related Exchange Adjustments violate the principles of good faith or would result in adjustments of the Terms and Conditions contrary to the principle to preserve, in essence, the economic profile that the Securities had prior to the occurrence the Extraordinary Event and to adequately take into account the economic effect thereof on the level of the Index; the Issuer shall decide in its reasonable discretion (§315 BGB) whether this is the case; or
 - (cc) in cases where no Related Exchange Adjustment occurs but where such Related Exchange Adjustment would be required pursuant to the adjustment rules of the Related Exchange; in such case, the Issuer shall decide in its reasonable discretion (§315 BGB) whether this is the case and shall make Adjustments in accordance with the adjustment rules of the Related Exchange.

- (ii) In the event of any doubts regarding the application of the Related Exchange Adjustment or adjustment rules of the Related Exchange or where no Related Exchange exists, the Issuer shall make such adjustments to the Terms and Conditions which are required in its reasonable discretion (§315 BGB) to preserve, in essence, the economic profile that the Securities had prior to the occurrence of the Extraordinary Event and to adequately take into account the economic effect thereof on the level of the Index.
 - (c) Any reference made to the Index and/or the Index Sponsor in these Terms and Conditions shall, if the context so admits, then refer to the replacement index and/or the index sponsor of the replacement index. All related definitions shall be deemed to be amended accordingly.
 - (d) Adjustments shall take effect as from the date (the "**Cut-off Date**") determined by the Issuer in its reasonable discretion (§315 BGB), provided that (if the Issuer takes into consideration the manner in which adjustments are or would be made by the Related Exchange) the Issuer shall take into consideration the date at which such adjustments take effect or would take effect at the Related Exchange.
 - (e) Adjustments as well as their Cut-off Date shall be notified by the Issuer in accordance with §3 (*Notices*) of the General Terms.
 - (f) Any adjustment in accordance with this §5 (1) does not preclude a subsequent termination in accordance with §7 (1) below on the basis of the same event.
2. Upon the occurrence of a Price Source Disruption the Issuer will determine in its reasonable discretion (§315 BGB) another price source that provides the required information for the determination of the Reference Price (the "**Successor Price Source**") and following such determination such Successor Price Source shall be the relevant Price Source. The Issuer will immediately publish the Successor Price Source pursuant to §3 (*Notices*) of the General Terms.
 3. If the publication of the information required for the determination of the Reference Price is permanently terminated, the Issuer will determine a substitute Underlying in its reasonable discretion (§315 BGB) with a view to reasonably preserve the economic profile of the Reference Price (the "**Substitute Underlying**") to determine the Reference Price. The Issuer will immediately notify Securityholders thereof pursuant to §3 (*Notices*) of the General Terms.
 4. If the Index is no longer calculated and published by the Index Sponsor but by another acceptable person, company or institution as the new Index Sponsor (the "**Successor Index Sponsor**"), all amounts payable under the Securities will be determined on the basis of the Index being calculated and published by the Successor Index Sponsor and any reference made to the Index Sponsor in these Terms and Conditions shall, if the context so admits, then refer to the Successor Index Sponsor. The Issuer shall decide in its reasonable discretion (§315 BGB) whether this is the case.
 5. If the Index Sponsor materially modifies the Index, including its calculation method, with effect on or after the Issue Date in a way that has not been foreseen by the index methodology applicable to the Index and published by the Index Sponsor (the "**Index Modification**"), then the Issuer is entitled to continue the calculation and publication of the Index on the basis of the former concept of the Index and its last determined level. The Issuer shall decide in its reasonable discretion (§315 BGB) whether an Index Modification has occurred.
 6. If, on or prior to any determination of the Reference Interest Rate on a Raydius Business Day, the Issuer determines that the initial Reference Interest Rate has been

discontinued or is permanently no longer being published and/or a Benchmark Event has occurred ("**Reference Interest Rate Event**"), the Issuer will use a substitute or successor base rate that it has determined, in its reasonable discretion (§315 BGB) after consulting any source it deems to be reasonable, is (a) the industry-accepted substitute or successor base rate or (b) if there is no such industry-accepted substitute or successor base rate, a substitute or successor base rate that is most comparable to the initial Reference Interest Rate.

Upon selection of a substitute or successor base rate, the Issuer may determine, in its reasonable discretion after consulting any source it deems to be reasonable, the day count, the business day convention, the definition of business day and any other relevant methodology or definition for calculating such substitute or successor base rate, including any adjustment factor or additional spread it determines is needed to make such substitute or successor base rate comparable to the initial Reference Interest Rate, in a manner that is consistent with any industry-accepted practices for such substitute or successor base rate.

For the avoidance of doubt, the above is additional, and without prejudice, to any other terms of the Securities. In the event that under any such terms any other consequences could apply in relation to an event or occurrence the subject of a Reference Interest Rate Event, the Issuer shall determine which terms shall apply in its reasonable discretion (§315 BGB).

7. For the purposes of calculations made in connection with these Terms and Conditions, one index point shall be equal to EUR 1.00.

Futures Contract

1. Upon the occurrence of an Extraordinary Event which has a material effect on the Futures Contract or the Reference Price, the Issuer shall make any such adjustments to the Terms and Conditions as are necessary to adequately account for the economic effect of the Extraordinary Event on the Securities and to preserve, in essence, the economic profile that the Securities had prior to the occurrence of the Extraordinary Event in accordance with the following provisions (each an "**Adjustment**"). The Issuer shall decide in its reasonable discretion (§315 BGB) whether an Extraordinary Event has occurred and whether such Extraordinary Event has a material effect on the Futures Contract or the Reference Price.
2. An Adjustment may result in:
 - (a) the replacement of the Futures Contract by other futures contracts and/or cash and/or any other compensation, in each case as stipulated with reference to in the relevant Extraordinary Event (a "**Replacement**"), and another exchange being determined as an Exchange, and/or
 - (b) increases or decreases of specified variables and values or the amounts payable under the Securities taking into account:
 - (i) the effect of an Extraordinary Event on the price of the Futures Contract, or
 - (ii) the diluting or concentrative effect of an Extraordinary Event on the theoretical value of the Futures Contract, or
 - (iii) any cash compensation or other compensation in connection with a Replacement, and/or
 - (c) consequential amendments to the futures contract related provisions of the Terms and Conditions that are required to fully reflect the consequences of the Replacement.
3. Adjustments should correspond to the adjustments to the Futures Contract made by the Exchange (a "**Exchange Adjustment**").

- (a) In particular, the Issuer shall not be required to make adjustments to the Terms and Conditions by reference to Exchange Adjustments, in cases where:
 - (i) the Exchange Adjustments would result in economically irrelevant adjustments to the Terms and Conditions; the Issuer shall decide in its reasonable discretion (§315 BGB) whether this is the case;
 - (ii) the Exchange Adjustments violate the principles of good faith or would result in adjustments of the Terms and Conditions contrary to the principle to preserve, in essence, the economic profile that the Securities had prior to the occurrence of the Extraordinary Event and to adequately take into account the economic effect thereof on the price of the Futures Contract; the Issuer shall decide in its reasonable discretion (§315 BGB) whether this is the case; or
 - (iii) in cases where no Exchange Adjustment occurs but where such Exchange Adjustment would be required pursuant to the adjustment rules of the Exchange; in such case, the Issuer shall decide in its reasonable discretion (§315 BGB) whether this is the case and shall make Adjustments in accordance with the adjustment rules of the Exchange.
- (b) In the event of any doubts regarding the application of the Exchange Adjustment, the Issuer shall make such adjustments to the Terms and Conditions which are required in its reasonable discretion (§315 BGB) to preserve, in essence, the economic profile had the Securities had prior to the occurrence of the Extraordinary Event and to adequately take into account the economic effect thereof on the price of the Futures Contract.

4. Adjustments shall take effect as from the date (the "**Cut-off Date**") determined by the Issuer in its reasonable discretion (§315 BGB), provided that (if the Issuer takes into consideration the manner in which adjustments are or would be made by the Exchange) the Issuer shall take into consideration the date at which such adjustments take effect or would take effect at the Exchange.
5. Adjustments as well as their Cut-off Date shall be notified by the Issuer in accordance with §3 (*Notices*) of the General Terms.
6. Any Adjustment in accordance with this §5 does not preclude a subsequent termination in accordance with §7 (1) on the basis of the same event.
7. Upon the occurrence of a Price Source Disruption the Issuer will determine in its reasonable discretion (§315 BGB) another price source that provides the required information for the determination of the Reference Price (the "**Successor Price Source**") and following such determination such Successor Price Source shall be the relevant Price Source. The Issuer will immediately publish the Successor Price Source pursuant to §3 (*Notices*) of the General Terms.
8. If the publication of the information required for the determination of the Reference Price is permanently terminated, the Issuer will determine a substitute Underlying in its reasonable discretion (§315 BGB) with a view to reasonably preserve the economic profile of the Reference Price (the "**Substitute Underlying**") to determine the Reference Price. The Issuer will immediately notify Securityholders thereof pursuant to §3 (*Notices*) of the General Terms.

Currency
Exchange Rate

1. Upon the occurrence of an Extraordinary Event which has a material effect on the Currency Exchange Rate or the Reference Price, the Issuer shall make any such adjustments to the Terms and Conditions as are necessary to adequately account for the economic effect of the Extraordinary Event on the Securities and to preserve, in essence, the economic profile that the Securities had prior to the occurrence of the

Extraordinary Event in accordance with the following provisions (each an "**Adjustment**"). The Issuer shall decide in its reasonable discretion (§315 BGB) whether an Extraordinary Event has occurred and whether such Extraordinary Event has a material effect on the Currency Exchange Rate or the Reference Price.

- (a) An Adjustment may result in:
 - (i) the definition of the Currency Exchange Rate or the Reference Price being adjusted; and/or
 - (ii) increases or decreases of specified variables and values or the amounts payable under the Securities to take into account the effect of an Extraordinary Event on the Currency Exchange Rate or the Reference Price; and/or
 - (iii) consequential amendments to the currency exchange rate related provisions of the Terms and Conditions that are required to fully reflect the consequences of the adjustment of the Reference Price.
- (b) The Issuer shall make Adjustments in its reasonable discretion (§315 BGB).
- (c) Adjustments shall take effect as from the date (the "**Cut-off Date**") determined by the Issuer in its reasonable discretion (§315 BGB), provided that the Issuer takes into consideration the date at which such Adjustments take effect or would take effect at the global currency markets.
- (d) Adjustments as well as their Cut-off Date shall be notified by the Issuer in accordance with §3 (*Notices*) of the General Terms.
- (e) Any Adjustment in accordance with this §5 does not preclude a subsequent termination in accordance with §7 (1) on the basis of the same event.

2. Upon the occurrence of a Price Source Disruption the Issuer will determine in its reasonable discretion (§315 BGB) another price source that provides the required information for the determination of the Reference Price (the "**Successor Price Source**") and following such determination such Successor Price Source shall be the relevant Price Source. The Issuer will immediately publish the Successor Price Source pursuant to §3 (*Notices*) of the General Terms.

3. If the publication of the information required for the determination of the Reference Price is permanently terminated, the Issuer will determine a substitute Underlying in its reasonable discretion (§315 BGB) (the "**Substitute Underlying**") to determine the Reference Price. The Issuer will immediately notify Securityholders thereof pursuant to §3 (*Notices*) of the General Terms.

4. Upon the occurrence of a Price Source Disruption on the Valuation Date and provided that the Issuer has not determined a Substitute Underlying, the Reference Price shall be equal to the exchange rate for Base Currency 1.00 in Counter Currency, as actually traded on the international interbank spot market on the Valuation Date at or about 2:00 pm (Frankfurt time).

Gold 1. Upon the occurrence of an Extraordinary Event which has a material effect on Gold or the Reference Price, the Issuer shall make any such adjustments to the Terms and Conditions as are necessary to adequately account for the economic effect of the Extraordinary Event on the Securities and to preserve, in essence, the economic profile that the Securities had prior to the occurrence of the Extraordinary Event in accordance with the following provisions (each an "**Adjustment**"). The Issuer shall decide in its reasonable discretion (§315 BGB) whether an Extraordinary Event has occurred and whether such Extraordinary Event has a material effect on Gold or the Reference Price.

- (a) An Adjustment may result in:
 - (i) the definition of Gold or the Reference Price being adjusted; and/or
 - (ii) increases or decreases of specified variables and values or the amounts payable under the Securities to take into account the effect of an Extraordinary Event on Gold or the Reference Price; and/or
 - (iii) consequential amendments to the gold related provisions of the Terms and Conditions that are required to fully reflect the consequences of the adjustment of the Reference Price.
 - (b) The Issuer shall make Adjustments in its reasonable discretion (§315 BGB).
 - (c) Adjustments shall take effect as from the date (the "**Cut-off Date**") determined by the Issuer in its reasonable discretion (§315 BGB), provided that the Issuer takes into consideration the date at which such Adjustments take effect or would take effect at the global currency and/or commodity markets.
 - (d) Adjustments as well as their Cut-off Date shall be notified by the Issuer in accordance with §3 (*Notices*) of the General Terms.
 - (e) Any Adjustment in accordance with this §5 does not preclude a subsequent termination in accordance with §7 on the basis of the same event.
2. Upon the occurrence of a Price Source Disruption the Issuer will determine in its reasonable discretion (§315 BGB) another price source that provides the required information for the determination of the Reference Price (the "**Successor Price Source**") and following such determination such Successor Price Source shall be the relevant Price Source. The Issuer will immediately publish the Successor Price Source pursuant to §3 (*Notices*) of the General Terms.
3. If the publication of the information required for the determination of the Reference Price is permanently terminated, the Issuer will determine a substitute Underlying in its reasonable discretion (§315 BGB) with a view to reasonably preserve the economic profile of the Reference Price (the "**Substitute Underlying**") to determine the Reference Price. The Issuer will immediately notify Securityholders thereof pursuant to §3 (*Notices*) of the General Terms.
4. If, on or prior to any determination of the Reference Interest Rate on a Raydius Business Day, the Issuer determines that the initial Reference Interest Rate has been discontinued or is permanently no longer being published and/or a Benchmark Event has occurred ("**Reference Interest Rate Event**"), the Issuer will use a substitute or successor base rate that it has determined, in its reasonable discretion (§315 BGB) after consulting any source it deems to be reasonable, is (a) the industry-accepted substitute or successor base rate or (b) if there is no such industry-accepted substitute or successor base rate, a substitute or successor base rate that is most comparable to the initial Reference Interest Rate.

Upon selection of a substitute or successor base rate, the Issuer may determine, in its reasonable discretion after consulting any source it deems to be reasonable, the day count, the business day convention, the definition of business day and any other relevant methodology or definition for calculating such substitute or successor base rate, including any adjustment factor or additional spread it determines is needed to make such substitute or successor base rate comparable to the initial Reference Interest Rate, in a manner that is consistent with any industry-accepted practices for such substitute or successor base rate.

For the avoidance of doubt, the above is additional, and without prejudice, to any other terms of the Securities. In the event that under any such terms any other consequences could apply in relation to an event or occurrence the subject of a

Reference Interest Rate Event, the Issuer shall determine which terms shall apply in its reasonable discretion (§315 BGB).

Crypto Currency

1. Upon the occurrence of an Extraordinary Event which has a material effect on the Crypto Currency or the Reference Price, the Issuer shall make any such adjustments to the Terms and Conditions as are necessary to adequately account for the economic effect of the Extraordinary Event on the Securities and to preserve, in essence, the economic profile that the Securities had prior to the occurrence of the Extraordinary Event in accordance with the following provisions (each an "**Adjustment**"). The Issuer shall decide in its reasonable discretion (§315 BGB) whether an Extraordinary Event has occurred and whether such Extraordinary Event has a material effect on the Crypto Currency or the Reference Price.
 - (a) An Adjustment may result in:
 - (i) the definition of the Crypto Currency or the Reference Price being adjusted; and/or
 - (ii) increases or decreases of specified variables and values or the amounts payable under the Securities to take into account the effect of an Extraordinary Event on the Crypto Currency or the Reference Price; and/or
 - (iii) any cash compensation or other compensation in connection with a Replacement, and/or
 - (iv) consequential amendments to the Crypto Currency related provisions of the Terms and Conditions that are required to fully reflect the consequences of the adjustment of the Reference Price.
 - (b) The Issuer shall make Adjustments in its reasonable discretion (§315 BGB).
 - (c) Any reference made to the Crypto Currency in these Terms and Conditions shall, if the context so admits, then refer to the replacement crypto currency. All related definitions shall be deemed to be amended accordingly.
 - (d) Adjustments shall take effect as from the date (the "**Cut-off Date**") determined by the Issuer in its reasonable discretion (§315 BGB), provided that the Issuer shall take into consideration the date at which such adjustments take effect or would take effect at the global crypto currency markets.
 - (e) Adjustments as well as their Cut-off Date shall be notified by the Issuer in accordance with §3 (*Notices*) of the General Terms.
 - (f) Any adjustment in accordance with this §5 does not preclude a subsequent termination in accordance with §7 (1) below on the basis of the same event.
2. Upon the occurrence of a Price Source Disruption the Issuer will determine in its reasonable discretion (§315 BGB) another price source that provides the required information for the determination of the Reference Price (the "**Successor Price Source**") and following such determination such Successor Price Source shall be the relevant Price Source. The Issuer will immediately publish the Successor Price Source pursuant to §3 (*Notices*) of the General Terms.
3. If the publication of the information required for the determination of the Reference Price is permanently terminated, the Issuer will determine a substitute Underlying in its reasonable discretion (§315 BGB) with a view to reasonably preserve the economic profile of the Reference Price (the "**Substitute Underlying**") to determine the Reference Price. The Issuer will immediately notify Securityholders thereof pursuant to §3 (*Notices*) of the General Terms.

§6 (POSTPONEMENTS)

Share	<ol style="list-style-type: none">1. If on the Valuation Date there is no Reference Price or if on the Valuation Date a Market Disruption Event occurs, the Valuation Date shall be postponed to the next following Exchange Business Day on which there is a Reference Price and on which a Market Disruption Event does not occur.2. If, according to the aforementioned, the Valuation Date is postponed for [10][●] consecutive Exchange Business Days (as originally scheduled), and if also on such day there is no Reference Price or a Market Disruption Event occurs on such day, then this day shall be deemed to be the Valuation Date and the Issuer shall estimate the Reference Price of the Share in its reasonable discretion (§315 BGB), and in consideration of the prevailing market conditions on such day and make a notification thereof in accordance with §3 (<i>Notices</i>) of the General Terms.
Index	<ol style="list-style-type: none">1. If on the Valuation Date or any other date on which the Issuer is required to make any determination in accordance with the Terms and Conditions (i) the Valuation Date is not an Index Business Day or (ii) a Market Disruption Event is occurring, the Valuation Date shall be postponed to the next following Index Business Day on which such Market Disruption Event ceases to exist.2. If on a Raydius Business Day the Valuation Date has been postponed for [10][●] consecutive Raydius Business Days pursuant to §6 (1) above and if such day is not an Index Business Day (as originally scheduled) and a Market Disruption Event is occurring, then such day shall be the Valuation Date and the Issuer shall estimate the Reference Price of the Index in its reasonable discretion (§315 BGB) in consideration of the prevailing market conditions on such day and notify the Securityholders accordingly pursuant to §3 (<i>Notices</i>) of the General Terms.
Futures Contract	<ol style="list-style-type: none">1. If on the Valuation Date or any other date on which the Issuer is required to make any determination in accordance with the Terms and Conditions (i) the Valuation Date is not an Exchange Business Day or (ii) a Trading Disruption is occurring, the Valuation Date shall be postponed to the next following Exchange Business Day on which such Trading Disruption ceases to exist.2. If on a Raydius Business Day, the Valuation Date has been postponed for [10][●] consecutive Raydius Business Days pursuant to §6 (1) above and if such day is not an Exchange Business Day (as originally scheduled) and a Trading Disruption is occurring, then such day shall be the Valuation Date and the Issuer shall estimate the Reference Price of the Futures Contract in its reasonable discretion (§315 BGB) in consideration of the prevailing market conditions on such day and notify the Securityholders accordingly pursuant to §3 (<i>Notices</i>) of the General Terms.
Gold	<ol style="list-style-type: none">1. If on the Valuation Date or any other date on which the Issuer is required to make any determination in accordance with the Terms and Conditions (i) the Valuation Date is not a Gold Business Day or (ii) a Price Source Disruption is occurring, the Valuation Date shall be postponed to the next following Gold Business Day on which such Price Source Disruption ceases to exist.2. If on a Raydius Business Day, the Valuation Date has been postponed for [10][●] consecutive Raydius Business Days pursuant to §6 (1) above and if such day is not a Gold Business Day (as originally scheduled) and a Price Source Disruption is occurring, then such day shall be the Valuation Date and the Issuer shall estimate the Reference Price of Gold in its reasonable discretion (§315 BGB) in consideration

of the prevailing market conditions on such day and notify the Securityholders accordingly pursuant to §3 (*Notices*) of the General Terms.

Currency
Exchange Rate

1. If on the Valuation Date or any other date on which the Issuer is required to make any determination in accordance with the Terms and Conditions (i) the Valuation Date is not a Currency Exchange Rate Business Day or (ii) a Price Source Disruption is occurring, the Valuation Date shall be postponed to the next following Currency Exchange Rate Business Day on which such Price Source Disruption ceases to exist.
2. If on a Raydius Business Day, the Valuation Date has been postponed for [10][●] consecutive Raydius Business Days pursuant to §6 (1) above and if such day is not a Currency Exchange Rate Business Day (as originally scheduled) and a Price Source Disruption is occurring, then such day shall be the Valuation Date and the Issuer shall estimate the Reference Price of the Currency Exchange Rate in its reasonable discretion (§315 BGB) in consideration of the prevailing market conditions on such day and notify the Securityholders accordingly pursuant to §3 (*Notices*) of the General Terms.

Crypto Currency

1. If on the Valuation Date or any other date on which the Issuer is required to make any determination in accordance with the Terms and Conditions (i) the Valuation Date is not an Exchange Business Day or (ii) a Trading Disruption and/or Price Source Disruption occurs, the Valuation Date shall be postponed to the next following Exchange Business Day on which such Trading Disruption and/or Price Source Disruption ceases to exist.
2. If on a Raydius Business Day, the Valuation Date has been postponed for [10][●] consecutive Raydius Business Days pursuant to §6 (1) above and if such day is not an Exchange Business Day (as originally scheduled) and a Trading Disruption and/or Price Source occurs, then such day shall be the Valuation Date and the Issuer shall estimate the Reference Price of the Crypto Currency in its reasonable discretion (§315 BGB) in consideration of the prevailing market conditions on such day and notify the Securityholders accordingly pursuant to §3 (*Notices*) of the General Terms.

§7 (EXTRAORDINARY TERMINATION BY THE ISSUER)

1. Upon the occurrence of an Extraordinary Event, the Issuer may freely elect to extraordinarily terminate the Securities instead of making an Adjustment. In the case an Adjustment would not be sufficient to preserve, in essence, the Securities' economic profile prevalent prior to the occurrence of the Extraordinary Event, the Issuer shall extraordinarily terminate the Securities; the Issuer shall decide in its reasonable discretion (§315 BGB) whether this is the case.
2. If the Issuer and/or its Affiliates are, even following economically reasonable efforts, not in the position (i) to enter, re-enter, replace, maintain, liquidate, acquire or dispose of any Hedging Transaction or (ii) to realize, regain or transfer the proceeds resulting from such Hedging Transaction (the "**Hedging Disruption**"), the Issuer may freely elect to extraordinarily terminate the Securities. The Issuer shall decide in its reasonable discretion (§315 BGB) whether a Hedging Disruption has occurred.
3. The Issuer may elect to extraordinarily terminate the Securities if (i) due to the adoption of or any change in any applicable law or regulation (including any tax law) or (ii) due to the promulgation of or any change in the interpretation by any competent court, tribunal or regulatory authority (including any tax authority) that (A) it has become illegal to hold, acquire or dispose of [any Shares][any index components][,][or] [the Futures Contract][,][or] [one of the currencies underlying the Currency Exchange Rate][,][or] [Gold][,][or] [Crypto Currency] or (B) it will incur

materially increased costs in performing the Issuer's obligation under the Securities (including due to any increase in tax liability, decrease in tax benefit, obligation to withhold tax or other adverse effect on its tax position) (the "**Change in Law**"). The Issuer shall decide in its reasonable discretion (§315 BGB) whether a Change in Law has occurred.

4. Any extraordinary termination of the Securities shall be notified by the Issuer in accordance with §3 (*Notices*) of the General Terms within [fourteen (14)][●] Payment Business Days following the occurrence of the relevant event (the "**Extraordinary Termination Notice**"). The Extraordinary Termination Notice shall designate a Payment Business Day as per which the extraordinary termination shall become effective (the "**Extraordinary Termination Date**") in accordance with the following provisions. Such Extraordinary Termination Date shall be not later than [seven (7)][●] Payment Business Days following the publication of the Extraordinary Termination Notice.
5. If the Securities are called for redemption, they shall be redeemed at an amount per Security that is equivalent to their fair market value minus any expenses actually incurred by the Issuer under transactions that were required for winding up the Hedging Transactions (the "**Extraordinary Termination Amount**"). The Issuer shall calculate the Extraordinary Termination Amount in its reasonable discretion (§315 BGB) by taking into account prevailing market conditions and any proceeds realised by the Issuer and/or any of its Affiliates in connection with any Hedging Transactions.
6. The Issuer shall pay the Extraordinary Termination Amount to the Securityholders not later than on the [10th][●] Payment Business Day following the Extraordinary Termination Date.

§8 (TERMINATION BY THE SECURITYHOLDERS)

1. The Securityholders shall not be entitled to ordinarily terminate the Securities.
2. The Securityholders shall be entitled to extraordinarily terminate the Securities in case a material deterioration in the financial condition of the Issuer occurs.

Annex to the Terms and Conditions

Product Data Table

[Insert in case of Long-Securities or Short-Securities linked to Shares:

ISIN [/] [WKN] [/] [Common Code] [/] [identifier]	Underlying	Type	Price Source	Exchange	Underlying Currency	Ratio	[initial Knock-out Barrier	[initial Knock-out Buffer]	[Exercise Date] [Maturity Date]	[Exercise Number]	Reference Price	Reference Interest Rate	Reference Interest Rate Source	Section 871(m)	Quanto Conversion	[[initial] Strike
[●]	[insert name]	[Long] [Short]	[insert website or screen page]	[insert exchange]	[insert currency]	[●]	[●]	[●]	[●]	[●]	[●][the price of the Share last determined and published by the Exchange on any relevant Exchange Business Day]	[insert market funding rate]	[insert website or screen page]	[Applicable] [Not applicable]	[Applicable] [Not applicable]	[●]

]

[Insert in case of Long-Securities or Short-Securities linked to Indices:

ISIN [/] [WKN] [/] [Common Code] [/] [<i>identifier</i>]	Underlying	Type	Index Sponsor	Price Source	Underlying Currency	Ratio	[initial Knock-out Barrier]	[initial Knock-out Buffer]	[Exercise Date] [Maturity Date]	[Exercise Number]	Reference Interest Rate	Reference Interest Rate Source	Section 871(m)	Quanto Conversion	[[initial] Strike]
[•]	[<i>insert name</i>]	[Long] [Short]	[<i>insert name</i>]	[<i>insert website or screen page</i>]	[<i>insert currency</i>]	[•]	[•]	[•]	[•]	[•]	[<i>insert market funding rate</i>]	[<i>insert website or screen page</i>]	[Applicable] [Not applicable]	[Applicable] [Not applicable]	[•]

]

[Insert in case of Long-Securities or Short-Securities linked to Futures Contracts:]

ISIN [/] [WKN] [/] [Common Code] [/] [<i>identifier</i>]	Underlying	Type	Price Source	Underlying Currency	Ratio	Exchange	[initial Knock-out Barrier]	[initial Knock-out Buffer]	[Exercise Date] [Maturity Date]	[Exercise Number]	Section 871(m)	Quanto Conversion	[[initial] Strike]
[•]	[<i>insert name</i>] on the Exchange [with delivery month of [<i>month</i>], [<i>year</i>] (Expiry Date: [<i>expiry date</i>])]]	[Long] [Short]	[<i>insert website or screen page</i>]	[<i>insert currency</i>]	[•]	[<i>insert exchange</i>]	[•]	[•]	[•]	[•]	[Applicable] [Not applicable]	[Applicable] [Not applicable]	[•]

]

[Insert in case of Long-Securities or Short-Securities linked to Currency Exchange Rates:

ISIN [/] [WKN] [/] [Common Code] [/] [identifier]	Base Currency / Counter Currency	Type	Price Source	Ratio	[initial Knock-out Barrier	[initial Knock-out Buffer]	[Exercise Date] [Maturity Date]	[Exercise Number]	Reference Amount	Reference Amount Source	Quanto Conversion	[[initial] Strike
[•]	[insert Base Currency] / [insert Counter Currency]	[Long] [Short]	[insert website or screen page]	[•]	[•]	[•]	[•]	[•]	[insert amount]	[•]	[Applicable] [Not applicable]	[•]

]

[Insert in case of Long-Securities or Short-Securities linked to Gold:

ISIN [/] [WKN] [/] [Common Code] [/] [<i>identifier</i>]	Underlying	Type	Underlying Currency	Ratio	Price Source	[initial Knock-out Barrier	[initial Knock-out Buffer]	[Exercise Date] [Maturity Date]	[Exercise Number]	Reference Interest Rate	Reference Interest Rate Source	Quanto Conversion	[[initial] Strike
[•]	[<i>insert rate</i>]	[Long] [Short]	[<i>insert currency</i>]	[•]	[<i>insert website or screen page</i>]	[•]	[•]	[•]	[•]	[<i>insert market funding rate</i>]	[•]	[Applicable] [Not applicable]	[•]

]

[Insert in case of Long-Securities or Short-Securities linked to Crypto Currencies:

ISIN [/] [WKN] [/] [Common Code] [/] [identifier]	<i>[insert identification code of the Crypto Currency]</i>	Crypto Currency	Underlying Currency	Type	Exchange[s]	Price Source	Ratio	[initial Knock-out Barrier]	[initial Knock-out Buffer]	[Exercise Date] [Maturity Date]	[Exercise Number]	Quanto Conversion	[[initial] Strike]
[•]	[•]	[Bitcoin (BTC)][Ethereum (ETH)][Ripple (XRP)]	[•]	[Long] [Short]	<i>[insert names of all relevant exchanges]</i>	<i>[insert website or screen page]</i>	[•]	[•]	[•]	[•]	[•]	[Applicable] [Not applicable]	[•]

]

8 Form of Final Terms

Raydius GmbH
(the "Issuer")

Final Terms

dated [●]

[with respect to [a continuous offer] [an increase of the issue volume of securities]]
relating to

[[Open End] Turbo Warrants][Mini-Futures]

Issue of [up to] [amount] [insert marketing name]
[relating to [Underlying]] (the "[Open End] Turbo Warrants][Mini-Futures]")
[Tranche [●]]

under the Issuer's
Base Prospectus
relating to
leveraged products
dated 28 May 2020

INTRODUCTION

The Final Terms have been prepared for the purpose of Regulation (EU) 2017/1129 (the "**Prospectus Regulation**"). The Final Terms must be read in conjunction with the Base Prospectus relating to leveraged products dated 28 May 2020 (the "**Base Prospectus**") and any supplements thereto in order to obtain all the relevant information [*In case of a continued public offer or an increase or an extension of a public offer to another Member State and/or the UK of Securities issued under the Base Prospectus relating to Turbo Warrants dated 29 May 2019 insert:*; save in respect of the general terms (the "**General Terms 2019**") and the completed product terms (the "**Product Terms 2019**") of the securities which are extracted from the Base Prospectus relating to Turbo Warrants dated 29 May 2019 (the "**Previous Base Prospectus**") and which have been incorporated by reference into this Base Prospectus as defined above and which constitute the "**Terms and Conditions 2019**").

The Base Prospectus and any supplements thereto are published in accordance with the arrangements set out in Article 21 of the Prospectus Regulation in electronic form on the website of the Issuer at www.raydius.de. The Base Prospectus expires on 28 May 2021 and the succeeding base prospectus will be published on the website of the Issuer at www.raydius.de.

A summary of the individual issue is annexed to the Final Terms.

In order to obtain all information necessary for the assessment of the Securities the Base Prospectus, any supplements to it and these Final Terms must be read in conjunction.

[In case of an increase of an existing series of insert: The Securities will be consolidated and form a single series with (ISIN: [●]) issued on [●] [under the Base Prospectus relating to Turbo Warrants dated 29 May 2019] [and] [under the Base Prospectus relating to Securities dated [●].]

[Insert in case the offer period under this Base Prospectus extends beyond the validity date of this Base Prospectus: **The Base Prospectus pertaining to these Final Terms is only valid until [●] and will be replaced by a new base prospectus which can be found at [●].**

PART A – TERMS AND CONDITIONS

[Insert in case it is not a continued public offer or an increase or an extension of a public offer to another Member State and/or the UK of Securities issued under the base prospectus dated 29 May 2019: The following section sets out the Product Terms, which together with the General Terms form the Terms and Conditions of the Securities.]

[insert the completed Product Terms]

[In case of a continued public offer or an increase or an extension of a public offer to another Member State and/or the UK of Securities issued under the base prospectus dated 29 May 2019 insert: The following section sets out the Product Terms 2019, which together with the General Terms 2019 form the Terms and Conditions 2019 of the Securities.]

[insert the completed Product Terms 2019]

PART B – OTHER INFORMATION

1 MARKET MAKING

Market making

[Brightpool Limited, Christodoulou Chatzipavlou, 221 HELIOS COURT, 3rd floor, 3036, Limassol, Cyprus][●] acts as market maker for the Securities.

2 INTERESTS OF NATURAL AND LEGAL PERSONS INVOLVED IN THE ISSUE/OFFER

[No person involved in the offer of the Securities has an interest material to the offer.]

[The relevant distributor may be paid fees in relation to any issue of Securities under the Base Prospectus. Any such distributor may be an affiliate of the Issuer. [Other than as mentioned above, so far as the Issuer is aware, no person involved in the issue of the Securities has an interest material to the offer, including conflicting interests.]]

[Describe material and/or conflicting interests, for example for dealers or distributors, if any.]

3 REASONS FOR THE OFFER, ESTIMATED NET PROCEEDS AND TOTAL EXPENSES

(i) Estimated net proceeds [Not applicable][●]

(ii) Estimated total expenses [Not applicable][Insert breakdown of expenses]

4 CORPORATE AUTHORISATION

[Not applicable][Indicate any resolutions, authorisations and approvals by virtue of which the Securities have been or will be created and/or issued, i.e. general meeting resolutions or board of directors decisions.]

5 OPERATIONAL INFORMATION

As specified in Part D below.

6 CONDITIONS OF THE OFFER

(i) Conditions to which the offer is subject: There is no subscription period. The Securities are issued on [insert date] (the "**Issue Date**").

(ii) Total amount of the issue/offer: See Issue Volume in Part D below.

(iii) Time period, including any possible amendments, during which the offer will be open: The Securities are being publicly offered in [Austria][,] [and] [Belgium][,] [and] [Finland][,] [and] [France][,] [and] [Germany][,] [and] [Ireland][,] [and] [Italy][,] [and] [the Netherlands][,] [and] [Norway][,] [and] [Portugal][,] [and] [Spain][,] [and] [Sweden][,] [and] [the United Kingdom] from the [Issue Date][date falling [insert number] Raydius Business Day[s] after the Issue Date][insert other date][,] [and] [in [insert jurisdiction foreseen above] from [the date falling [insert number] Raydius Business Day[s] after the Issue Date][insert other date][repeat for each jurisdiction as necessary]].

The public offer will terminate [(i)] on the date the validity period for the Base Prospectus expires [or (ii) in accordance with the maturity of the Securities, subject to the validity of the Base Prospectus] (the "**Offer Period**").

	Description of the application process:	[Not applicable][●]
	(iv) Minimum and/or maximum amount of application:	[Not applicable][●]
	(v) Method and time limits for paying up the Securities and for delivery of the Securities:	[Not applicable][●]
	(vi) Manner and date on which results of the offer are to be made public:	[Not applicable][●]
	(vii) Whether tranche(s) have been reserved for certain countries:	[Not applicable][●]
	(viii) Process for notification to applicants of the amount allotted and the indication whether dealing may begin before notification is made:	[Not applicable][●]
7	PRICING	
	(i) Initial offer price of the Securities:	[See Issue Price in Part D below.][●]
	(ii) Amount of any expenses and taxes specifically charged to the subscriber or purchaser:	[Not applicable][●][See Entry Costs in Part D below.][<i>include entry costs</i>]
8	PLACING AND UNDERWRITING	
	(i) Name and address of the coordinator(s) of the global offer and of single parts of the offer and, to the extent known to the Issuer/offeror, of the placers in the various countries where the offer takes place:	[Not applicable.][<i>insert relevant names and addresses</i>] ([each an][the] " Authorised Offeror ").
	(ii) Entities agreeing to underwrite the issue on a firm commitment basis, and entities agreeing to place the issue without a firm commitment or under "best efforts" arrangements:	[Not applicable.][<i>Insert details (names and addresses) of any distributors (if known)</i>]
	(iii) When the underwriting agreement has been or will be reached:	[Not applicable.][<i>Insert details</i>]
	(iv) Public offer jurisdictions (Member State(s)/United Kingdom for which consent is given for use of the Base Prospectus by the authorised offeror(s)):	[Austria][,] [and] [Belgium][,] [and] [Finland][,] [and] [France][,] [and] [Germany][,] [and] [Italy][,] [and] [Ireland][,] [and] [the Netherlands][,] [and] [Norway][,] [and] [Portugal][,] [and] [Spain][,] [and] [Sweden][,] [and] [United Kingdom]
9	BENCHMARKS REGULATION	As specified in Part C below.
10	TEFRA	[Not applicable][TEFRA C][TEFRA D]

**[[11] ADDITIONAL U.S. FEDERAL INCOME
TAX CONSIDERATIONS**

If Section 871(m) is specified as "Not applicable" in the Product Data Table, such Securities are not Specified Transactions for purposes of Section 871(m) of the U.S. Internal Revenue Code of 1986, as amended, through 2022; otherwise Securities marked as "Applicable" are Specified Transactions for purposes of Section 871(m) of the U.S. Internal Revenue Code of 1986, as amended.]

**[[11] THIRD-PARTY INFORMATION
[12]**

With respect to any information included herein and specified to be sourced from a third party (i) the Issuer confirms that the information has been accurately reproduced and that as far as the Issuer is aware and is able to ascertain from information published by that third party, no facts have been omitted which would render the reproduced information inaccurate or misleading and (ii) the Issuer has not independently verified any such information and the Issuer does not accept any responsibility for the accuracy thereof. The following sources were used [●].]

PART C – UNDERLYING INFORMATION

[Repeat the following information as necessary in case of multiple Underlyings:]

Information relating to the Underlying *[insert name]*

Underlying	Website	Benchmarks Regulation	[Benchmarks Regulation	Benchmarks Regulation
<i>[insert name] [insert ISIN]</i>	<i>[insert source of information and whether the information can be obtained free of charge].</i>	Benchmark(s) within the meaning of Regulation (EU) 2016/1011 of the European Parliament and of the Council of 8 June 2016 on indices used as benchmarks in financial instruments and financial contracts or to measure the performance of investment funds and amending Directives 2008/48/EC and 2014/17/EU and Regulation (EU) No 596/2014 (the " Benchmarks Regulation "):	Record(s) of the administrator(s) in the register:	Disclosure in case the relevant administrator does not appear in the Register:

			appear[s] in the Register] [and [●] [do[es] not appear in the Register].]	[is][are] not currently required to obtain authorisation or registration (or, if located outside the European Union, recognition, endorsement or equivalence).]
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]

PART D – OPERATIONAL INFORMATION

ISIN	[WKN]	Issue Price	Issue Volume (up to)	[Exercise Number]	[Entry Costs]
[•]	[•]	[•]	[•]	[•]	[•]

ISSUE-SPECIFIC SUMMARY

[Insert completed issue-specific summary relating to the Securities]

9 Information incorporated by reference

The documents included in the table below (the "**Documents**") is incorporated by reference in and form part of this Base Prospectus in accordance with Article 19(1)(a) of the Prospectus Regulation. The Documents will be published simultaneously with this Base Prospectus.

Cross reference list

Document incorporated by reference	Pages reference
Universal Registration Document of the Issuer dated 28 May 2020, as supplemented from time to time	All pages
This document will be published on the website https://www.raydius.de/sites/raydius/files/2020-05/UniversalRegistrationDocument_May2020.pdf	
Base Prospectus of the Issuer relating to Turbo Warrants dated 29 May 2019 – Terms and Conditions	pp. 93 - 118
This document will be published on the website https://www.raydius.de/sites/raydius/files/2019-06/RaydiusGmbH_TurboWarrants_Prospectus_29052019.pdf	
Base Prospectus of the Issuer relating to Turbo Warrants dated 29 May 2019 – Form of Final Terms	pp. 119 - 126
This document will be published on the website https://www.raydius.de/sites/raydius/files/2019-06/RaydiusGmbH_TurboWarrants_Prospectus_29052019.pdf	

The above-mentioned pages of the Documents shall be deemed to be incorporated by reference, and to form part of, this Base Prospectus.

Parts of the above referenced Documents that are not incorporated by express reference are not relevant for potential investors or are covered elsewhere in the Base Prospectus.

For the avoidance of doubt the content of the websites referred to in this Base Prospectus does not form part of the Base Prospectus.

10 Glossary of Defined Terms

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11 Non-binding translation of the Terms and Conditions into German

This section sets out the non-binding translation of the Terms and Conditions included in this Base Prospectus into the German language.

"Dieser Abschnitt enthält die Wertpapierbedingungen der Wertpapiere, welche (i) die für alle Wertpapiere gleichlautenden allgemeinen Bedingungen, die in diesem Basisprospekt auf den Seiten 37 - 41 aufgeführt sind (die "**allgemeinen Bedingungen**"), sowie (ii) die produktspezifischen Produktbedingungen, die in diesem Basisprospekt auf den Seiten 41 - 73 aufgeführt sind (die "**Produktbedingungen**"), umfassen und durch die geltenden endgültigen Bedingungen für eine einzelne Serie von Wertpapieren vervollständigt werden (die "**endgültigen Bedingungen**" und alle zusammen die "**Wertpapierbedingungen**"). Die Produktbedingungen beinhalten an einigen Stellen Varianten bzw. mehrere mögliche Varianten einer Bestimmung (in eckigen Klammern oder durch Platzhalter in eckigen Klammern gekennzeichnet) oder Auslassungen (durch Platzhalter gekennzeichnet). Die endgültigen Bedingungen beinhalten die fehlenden Angaben und geben an, welche der in den Produktbedingungen angegebenen Varianten in Bezug auf bestimmte Bedingungen gelten sollen.

9.1 Allgemeine Bedingungen

§ 1 (FORM)

1. Alle Wertpapierserien werden von der Raydius GmbH, Westhafen Tower, Westhafenplatz 1, 60327 Frankfurt am Main, Bundesrepublik Deutschland (die "**Emittentin**") am in den entsprechenden endgültigen Bedingungen angegebenen Ausgabetag (der "**Ausgabetag**") als Inhaberpapiere begeben (die "**Wertpapiere**"). Wertpapiere, die nach Maßgabe der durch das *U.S. Department of the Treasury* erlassenen Regelung § 1.163-5 (c)(2)(i)(C) (oder von im Wesentlichen gleichen Nachfolgeregelungen, die für die Zwecke von *Section 4701* des *U.S. Internal Revenue Code of 1986* in der jeweils gültigen Fassung (der "**Code**") anwendbar sind) ("**TEFRA-C-Regeln**") begeben werden oder bezüglich derer TEFRA nicht zur Anwendung kommt, werden durch eine permanente Inhaber-Globalurkunde (die "**Globalurkunde**") verbrieft. Die Globalurkunde wird bei der Clearstream Banking AG, Mergenthalerallee 61, 65760 Eschborn, Bundesrepublik Deutschland (das "**Clearingsystem**") hinterlegt.
2. Wertpapiere, die nach Maßgabe der durch das *U.S. Department of the Treasury* erlassenen Regelung § 1.163-5 (c)(2)(i)(D) (oder von im Wesentlichen gleichen Nachfolgeregelungen, die für die Zwecke von *Section 4701* des Codes anwendbar sind) ("**TEFRA-D-Regeln**") begeben werden, werden zunächst in Form einer temporären Inhaber-Globalurkunde ohne Zinscoupons (eine "**temporäre Globalurkunde**") begeben, die frühestens 40 Tage nach dem entsprechenden Ausgabetag gegen eine permanente Inhaber-Globalurkunde (eine "**permanente Globalurkunde**") eingetauscht wird. Die temporäre Globalurkunde und die permanente Globalurkunde (jeweils eine "**Globalurkunde**") werden beim Clearingsystem hinterlegt. Der Tausch der temporären Globalurkunde gegen eine permanente Globalurkunde erfolgt nur gegen eine Bestätigung, dass der wirtschaftliche Eigentümer oder die wirtschaftlichen Eigentümer der durch die temporäre Globalurkunde verbrieften Wertpapiere bis auf bestimmte Ausnahmen keine US-Personen sind ("**Bestätigung über das Nichtbestehen US-wirtschaftlichen Eigentums**").
3. Es werden keine einzelverbrieften Wertpapiere begeben. Das Recht der Inhaber der Wertpapiere (die "**Wertpapierinhaber**") auf Lieferung einzelverbrieftter Wertpapiere ist ausgeschlossen. Die Wertpapierinhaber erhalten Miteigentumsanteile oder -rechte an der Globalurkunde, die nach Maßgabe der geltenden Gesetze und der Vorschriften des Clearingsystems übertragbar sind.

§ 2 (STATUS)

Die Wertpapiere stellen unmittelbare, nicht nachrangige und unbesicherte Verbindlichkeiten der Emittentin dar, die untereinander gleichrangig sind und im gleichen Rang mit allen sonstigen jeweils fälligen unbesicherten Verbindlichkeiten (mit Ausnahme etwaiger nachrangiger Verbindlichkeiten) der Emittentin stehen.

§ 3 (BEKANNTMACHUNGEN)

1. An die Inhaber
 - (a) Bekanntmachungen in Bezug auf die Wertpapiere sind im Internet auf der Website www.raydius.de zu veröffentlichen.
 - (b) Bekanntmachungen in Bezug auf die Wertpapiere können zur Kommunikation des entsprechenden Clearingsystems mit den Wertpapierinhabern an das entsprechende Clearingsystem oder direkt an die Wertpapierinhaber gesendet werden. Bekanntmachungen über das entsprechende Clearingsystem gelten am siebten Tag nach Zusendung der Bekanntmachung an das entsprechende Clearingsystem als erfolgt; direkt an die Wertpapierinhaber gesendete Bekanntmachungen gelten als bei Empfang erfolgt.

2. An die Emittentin

In Bezug auf eine Serie von Wertpapieren sind sämtliche Bekanntmachungen an die Emittentin an die für das entsprechende Unternehmen in den endgültigen Bedingungen angegebene Adresse oder an eine sonstige von der Emittentin durch Bekanntmachung an die Wertpapierinhaber nach Maßgabe von § 3 angegebene Person oder Stelle zu senden.

§ 4 (STEUERN)

Zahlungen in Bezug auf die Wertpapiere erfolgen erst nach (i) Abzug und Einbehaltung tatsächlicher und zukünftiger Steuern, Abgaben oder behördlicher Gebühren jeglicher Art, die nach Maßgabe eines entsprechenden Rechtssystems oder in einem Land mit Steuerhoheit durch oder im Namen einer zur Steuererhebung befugten Gebietskörperschaft oder Regierungsbehörde dieses Landes auferlegt, erhoben oder eingezogen werden (die "**Steuern**"), sofern ein entsprechender Abzug bzw. eine entsprechende Einbehaltung gesetzlich vorgeschrieben ist, (ii) Einbehaltungen oder Abzügen, die gemäß einer in *Section 1471(b)* des Code beschriebenen Vereinbarung erforderlich sind oder anderweitig gemäß *Sections 1471 bis 1474* des Code, etwaiger Vorschriften und Vereinbarungen gemäß *Sections 1471 bis 1474* des Code, etwaiger offizieller Auslegungen der *Sections 1471 bis 1474* des Code oder eines Gesetzes, das einen zwischenstaatlichen Ansatz hinsichtlich *Sections 1471 bis 1474* des Code erfordert, auferlegt werden, sowie (iii) Einbehaltungen oder Abzügen, die gemäß *Section 871(m)* des Code vorgeschrieben sind ("**871(m)-Einbehaltung**"). Die Emittentin ist bei der Berechnung des Betrags der in Zusammenhang mit auf die Wertpapiere zu zahlenden Beträgen auferlegten 871(m)-Einbehaltung, ungeachtet einer anderweitig gemäß geltendem Recht bestehenden Ausnahme von oder Verringerung dieser Einbehaltung, dazu berechtigt, eine "dividendenäquivalente Zahlung (*dividend equivalent*)" (wie für die Zwecke von *Section 871(m)* des Codes definiert) zum höchstens für solche Zahlungen geltenden Satz einzubehalten.

§ 5 (WEITERE EMISSIONEN; RÜCKKAUF)

1. Die Emittentin behält sich vor, jeweils ohne Zustimmung der Wertpapierinhaber zusätzliche Tranchen der Wertpapiere zu im Wesentlichen identischen Bedingungen zu begeben, sodass diese zu einer einzigen Serie zusammengefasst werden und die Gesamtzahl der Wertpapiere erhöhen. Der Begriff "**Wertpapiere**" umfasst im Fall einer solchen Zusammenfassung auch die zusätzlich begebenen Wertpapiere.
2. Die Emittentin kann jederzeit Wertpapiere am Markt oder anderweitig kaufen. Von oder im Namen der Emittentin zurückgekaufte Wertpapiere können von der Emittentin gehalten, erneut begeben oder verkauft werden oder an die Zahlstelle zur Entwertung zurückgegeben werden.

§ 6 (ZAHLSTELLE)

1. Citibank Europe plc, 1 North Wall Quay, Dublin 1, Irland, ist die Zahlstelle (einschließlich etwaiger nachfolgender oder zusätzlicher Zahlstellen) (die "**Zahlstelle**").
2. Die Emittentin ist jederzeit berechtigt, eine andere international angesehene Bank als Zahlstelle zu benennen. Eine solche Benennung und das Datum des Wirksamwerdens sind nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen bekanntzugeben.

3. Die Zahlstelle wird hiermit von den Beschränkungen des § 181 des deutschen Bürgerlichen Gesetzbuchs (Bürgerliches Gesetzbuch – "**BGB**") sowie ähnlichen Beschränkungen der entsprechenden Gesetze eines anderen Lands befreit.

§ 7 (ERSETZUNG DER EMITTENTIN)

1. Die Emittentin kann ohne Zustimmung der Wertpapierinhaber, sofern sie sich mit keiner Zahlung oder Lieferverpflichtung bezüglich der Wertpapiere in Verzug befindet, durch eine unmittelbar oder mittelbar zu 100 % gehaltene Tochtergesellschaft der Emittentin (die "**neue Emittentin**") als Hauptschuldnerin der Wertpapiere ersetzt werden, wenn:
 - (a) die neue Emittentin und die Emittentin die Dokumente ausfertigen, (i) die zur vollumfänglichen Wirksamkeit der Ersetzung erforderlich sind (zusammen die "**Dokumente**"), und (ii) gemäß welcher die neue Emittentin sich zugunsten eines jeden Wertpapierinhabers verpflichtet, die Wertpapierbedingungen der Wertpapiere genauso vollumfänglich einzuhalten, als wäre die neue Emittentin in den Wertpapieren als Hauptschuldnerin der Wertpapiere anstelle der Emittentin genannt worden, und (iii) gemäß welcher die Emittentin garantiert, wobei eine solche Garantie unbeding und unwiderruflich ist, (die "**Garantie**"), dass die neue Emittentin zugunsten eines jeden Wertpapierinhabers sämtliche sich aus den Wertpapieren ergebenden Verpflichtungen erfüllt, und
 - (b) die Dokumente eine Verpflichtung der neuen Emittentin und der Emittentin enthalten, dass sie jeden Wertpapierinhaber von allen Verbindlichkeiten, Kosten, Gebühren und Aufwendungen (vorausgesetzt, bei den Verbindlichkeiten, Kosten, Gebühren und Aufwendungen handelt es sich um Steuern oder Abgaben, die aufgrund von am Tag des Wirksamwerdens der Ersetzung geltenden oder hinreichend in Betracht gezogenen Gesetzen oder Rechtsvorschriften entstehen) freistellen und schadlos halten, die dem entsprechenden Inhaber aufgrund einer Ersetzung gemäß § 7 entstehen oder gegen ihn erhoben werden und ohne eine solche Ersetzung in der Form nicht entstanden oder erhoben worden wären (und diese Verbindlichkeiten, Kosten, Gebühren und Aufwendungen umfassen ohne Einschränkung des Vorstehenden sämtliche Steuern und Abgaben, die einem Wertpapierinhaber durch eine Gebietskörperschaft oder Steuerbehörde eines Landes, in dem der Wertpapierinhaber ansässig ist oder deren Steuern und Abgaben der Wertpapierinhaber unterliegt, auferlegt werden und ihm ohne die Ersetzung nicht in der Form auferlegt worden wären), und
 - (c) die Dokumente eine Zusicherung und Gewährleistung der neuen Emittentin und der Emittentin enthalten, (i) dass sowohl die neue Emittentin als auch die Emittentin sämtliche erforderlichen behördlichen und aufsichtsrechtlichen Genehmigungen und Zustimmungen für eine solche Ersetzung und die Erfüllung der in den Dokumenten festgesetzten Verpflichtungen erhalten haben und all diese Genehmigungen und Zustimmungen vollumfänglich wirksam und gültig sind und (ii) dass sämtliche sowohl von der neuen Emittentin als auch der Emittentin nach Maßgabe der Dokumente übernommenen Verpflichtungen nach Maßgabe ihrer entsprechenden Bedingungen gültig und bindend und von jedem Wertpapierinhaber durchsetzbar sind, und
 - (d) sämtliche Wertpapierbörsen und/oder multilateralen Handelssysteme, die die Wertpapiere gelistet und/oder zum Handel zugelassen haben, bestätigt haben, dass die Wertpapiere nach der geplanten Ersetzung durch die neue Emittentin weiterhin an der entsprechenden Wertpapierbörse und/oder im entsprechenden multilateralen Handelssystem gelistet bzw. zum Handel zugelassen bleiben, und
 - (e) die neue Emittentin ein Rechtsgutachten einer führenden für die neue Emittentin tätigen örtlichen Kanzlei eingeholt hat, in dem bestätigt wird, dass die Dokumente rechtmäßige, gültige und verbindliche Verpflichtungen der neuen Emittentin darstellen; dieses Gutachten darf nicht mehr als drei Tage vor dem Datum der Ersetzung der Emittentin durch die neue Emittentin datieren und ist den Wertpapierinhabern auf Anfrage zur Einsichtnahme zur Verfügung zu stellen, und
 - (f) die Emittentin ein Rechtsgutachten des internen Rechtsberaters der Emittentin einholt, in dem bestätigt wird, dass die Dokumente (einschließlich der Garantie) rechtmäßige, gültige und verbindliche Verpflichtungen der Emittentin darstellen; dieses Gutachten darf nicht mehr als

drei Tage vor dem Datum der Ersetzung der Emittentin durch die neue Emittentin datieren und ist den Wertpapierinhabern auf Anfrage zur Einsichtnahme zur Verfügung zu stellen, und

- (g) die Emittentin ein Rechtsgutachten einer führenden deutschen Kanzlei einholt, in dem bestätigt wird, dass die Dokumente (einschließlich der Garantie) rechtmäßige, gültige und verbindliche Verpflichtungen der neuen Emittentin und der Emittentin nach deutschem Recht darstellen; dieses Gutachten darf nicht mehr als drei Tage vor dem Datum der Ersetzung der Emittentin durch die neue Emittentin datieren und ist den Wertpapierinhabern auf Anfrage zur Einsichtnahme zur Verfügung zu stellen, und
 - (h) die neue Emittentin (sofern sie nicht in einem Mitgliedstaat der Europäischen Union gegründet ist) einen Zustellungsbevollmächtigten als ihre in einem Mitgliedstaat der Europäischen Union in ihrem Namen zustellungsbevollmächtigte Person in Bezug auf durch oder in Zusammenhang mit den Wertpapieren entstehende Klagen oder Gerichtsverfahren benannt hat.
2. Im Zusammenhang mit einer Ersetzung gemäß § 7 müssen weder die Emittentin noch die neue Emittentin die Auswirkungen einer solchen Ersetzung auf einzelne Wertpapierinhaber berücksichtigen, die den entsprechenden Wertpapierinhabern aufgrund der Tatsache entstehen, dass sie zu irgendeinem Zweck in einem bestimmten Gebiet ansässig sind oder ihren Wohnsitz haben oder anderweitig mit einem bestimmten Gebiet in Verbindung stehen oder der Rechtsordnung eines bestimmten Gebiets unterliegen, und kein Inhaber, mit Ausnahme der in § 7 (1)(b) genannten Bestimmungen, ist berechtigt, von der Emittentin oder einer neuen Emittentin der Wertpapiere eine Entschädigung oder Zahlung in Bezug auf aufgrund einer solchen Ersetzung entstehenden Steuern oder sonstigen Auswirkungen zu verlangen.
 3. Nach Ausfertigung der in vorstehendem § 7 (1) aufgeführten Dokumente und vorbehaltlich der in nachstehendem § 7 (5) aufgeführten Mitteilung, gilt die neue Emittentin als in den Wertpapieren anstelle der Emittentin angegebene Hauptschuldnerin und die Wertpapierbedingungen der Wertpapiere sind daraufhin zur Wirksamkeit der Ersetzung auszulegen. Die Ausfertigung der Dokumente entbindet die Emittentin von all ihren Verpflichtungen als Hauptschuldnerin in Bezug auf die Wertpapiere, mit der Ausnahme, dass etwaige durch die Wertpapiere entstehende Ansprüche vor der entsprechenden Entbindung zugunsten der Wertpapierinhaber gewährleistet sind.
 4. Die Dokumente sind solange bei der Zahlstelle zu hinterlegen und von dieser aufzubewahren, wie sich die Wertpapiere im Umlauf befinden, und solange Ansprüche von Wertpapierinhabern gegen die neue Emittentin in Bezug auf die Wertpapiere oder die Dokumente noch nicht abschließend entschieden oder erfüllt worden sind. Die neue Emittentin und die Emittentin erkennen in den Dokumenten das Recht eines jeden Wertpapierinhabers auf Vorlage der Dokumente zur Geltendmachung eines Wertpapiers oder Dokuments an.
 5. Spätestens 15 Geschäftstage nach Ausfertigung der Dokumente hat die neue Emittentin die Wertpapierinhaber nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen darüber in Kenntnis zu setzen.

Für diese Zwecke bezeichnet "**Geschäftstag**" einen Tag (außer Samstag und Sonntag), an dem sowohl (i) das Clearingsystem als auch (ii) das TARGET2-System für die Leistung von Zahlungen geöffnet sind.

§ 8 (HAFTUNGSBESCHRÄNKUNG; VORLEGUNGSFRIST; VERJÄHRUNG)

1. Die Emittentin haftet nur für jegliches Handeln oder Unterlassen in Zusammenhang mit den Wertpapieren, wenn und soweit sie wesentliche Verpflichtungen gemäß oder in Zusammenhang mit den Wertpapierbedingungen fahrlässig oder vorsätzlich verletzt oder sonstige Verpflichtungen grob fahrlässig oder vorsätzlich verletzt.
2. Die Frist zur Vorlegung der Wertpapiere (§ 801 Abs. 1 S. 1 BGB) beträgt zehn Jahre und die Verjährungsfrist für sich aus den Wertpapieren ergebende Ansprüche, die innerhalb der Vorlegungsfrist vorgelegt werden, beträgt zwei Jahre ab Ablauf der entsprechenden Vorlegungsfrist.

§ 9 (ÄNDERUNGSKLAUSEL)

1. Sollten die Wertpapierbedingungen offensichtliche Tippfehler oder Rechtschreibfehler enthalten, ist die Emittentin ohne Zustimmung der Wertpapierinhaber zur Berichtigung solcher Tipp- oder Rechtschreibfehler berechtigt, vorausgesetzt, dass die entsprechende Berichtigung unter Berücksichtigung der Interessen der Emittentin vernünftigerweise als für die Wertpapierinhaber annehmbar betrachtet werden kann und insbesondere keine wesentlich nachteilige Auswirkung auf die Rechts- und Finanzlage der Wertpapierinhaber hat. Jede Berichtigung ist den Wertpapierinhabern nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen mitzuteilen.
2. Sollten die Wertpapierbedingungen offensichtliche Rechenfehler beinhalten, ist die Emittentin ohne Zustimmung der Wertpapierinhaber zur Berichtigung solcher Fehler berechtigt, vorausgesetzt, dass die entsprechende Berichtigung unter Berücksichtigung der Interessen der Emittentin vernünftigerweise als für die Wertpapierinhaber annehmbar betrachtet werden kann und insbesondere keine wesentlich nachteilige Auswirkung auf die Rechts- und Finanzlage der Wertpapierinhaber hat. Jede Berichtigung ist den Wertpapierinhabern nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen mitzuteilen.
3. Sollten die Wertpapierbedingungen ähnliche offensichtliche Fehler enthalten, ist die Emittentin ohne Zustimmung der Wertpapierinhaber zur Berichtigung solcher Fehler berechtigt, vorausgesetzt, dass die entsprechende Berichtigung unter Berücksichtigung der Interessen der Emittentin vernünftigerweise als für die Wertpapierinhaber annehmbar betrachtet werden kann und insbesondere keine wesentlich nachteilige Auswirkung auf die Rechts- und Finanzlage der Wertpapierinhaber hat. Jede Berichtigung ist den Wertpapierinhabern nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen mitzuteilen.
4. Sonstige Widersprüche oder Regelungslücken in den Wertpapierbedingungen oder einzelnen Bestimmungen der Wertpapierbedingungen können von der Emittentin nach billigem Ermessen (§ 315 BGB) berichtigt oder ergänzt werden. Es sind jedoch nur solche Berichtigungen oder Ergänzungen zulässig, die unter Berücksichtigung der Interessen der Emittentin vernünftigerweise als für die Wertpapierinhaber annehmbar betrachtet werden können und insbesondere keine wesentlich nachteilige Auswirkung auf die Rechts- und Finanzlage der Wertpapierinhaber haben. Jede Berichtigung oder Ergänzung ist den Wertpapierinhabern nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen mitzuteilen.
5. Berichtigt oder ergänzt die Emittentin eine Bestimmung der Wertpapierbedingungen nach Maßgabe von § 9 und teilt die Berichtigung oder Ergänzung den Wertpapierinhabern mit, kann jeder Wertpapierinhaber innerhalb von zwei Wochen ab der entsprechenden Mitteilung die von ihm gehaltenen Wertpapiere unverzüglich fällig und zahlbar stellen, wenn die Berichtigung oder Ergänzung zur Folge hat, dass die Erfüllung der Verpflichtungen der Emittentin sich so ändert, dass sich dies wesentlich nachteilig auf den Wertpapierinhaber auswirkt. Die Emittentin hat die Wertpapierinhaber über ihr Recht, ihre Wertpapiere fällig und zahlbar zu stellen, bei Bekanntgabe der Berichtigung oder Änderung in Kenntnis zu setzen. Werden die Wertpapiere fällig und zahlbar gestellt, sind sie zum vom entsprechenden Wertpapierinhaber für die Wertpapiere gezahlten Kaufpreis zurückzuzahlen.
6. Offensichtliche Tippfehler oder Rechtschreibfehler und ähnliche offensichtliche Fehler in den Wertpapierbedingungen berechtigen die Emittentin zur Anfechtung gegenüber den Wertpapierinhabern. Dieses Anfechtungsrecht kann nur gegenüber allen Wertpapierinhabern gleichermaßen und unverzüglich nach Kenntniserlangung von dem entsprechenden zur Anfechtung berechtigenden Grund ausgeübt werden. Das Anfechtungsrecht wird durch Bekanntgabe nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen ausgeübt.
7. Offensichtliche Rechenfehler und ähnliche offensichtliche Fehler in den Wertpapierbedingungen berechtigen die Emittentin zur Anfechtung gegenüber den Wertpapierinhabern. Dieses Anfechtungsrecht kann nur gegenüber allen Wertpapierinhabern gleichermaßen und unverzüglich nach Kenntniserlangung von dem entsprechenden zur Anfechtung berechtigenden Grund ausgeübt werden. Das Anfechtungsrecht wird durch Bekanntgabe nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen ausgeübt.

§ 10 (ABSCHLIEBENDE KLAUSELN)

1. Die Form und der Inhalt der Wertpapiere und die jeweiligen Rechte und Pflichten der Wertpapierinhaber, der Emittentin und der Zahlstelle unterliegen in jeder Hinsicht den Gesetzen der Bundesrepublik Deutschland.
2. Erfüllungsort ist Frankfurt am Main, Bundesrepublik Deutschland.
3. Nicht ausschließlicher Gerichtsstandort ist Frankfurt am Main, Bundesrepublik Deutschland.
4. Die englische Fassung dieser Wertpapierbedingungen ist maßgeblich.

9.2 Produktbedingungen

§ 1 (DEFINITIONEN)

Für die Zwecke der Wertpapierbedingungen gelten, vorbehaltlich einer Anpassung nach Maßgabe der Wertpapierbedingungen, die folgenden Definitionen:

Aktie	<p>"Anpassungsereignis" bedeutet:</p> <ol style="list-style-type: none">(a) die Anpassung von auf die Aktie bezogenen Options- oder Terminkontrakten an der zugehörigen Börse oder die Ankündigung einer solchen Anpassung;(b) eine der folgenden Maßnahmen seitens der Gesellschaft: Kapitalerhöhungen durch Ausgabe neuer Aktien gegen Kapitaleinlagen und Ausgabe von Bezugsrechten an die Aktionäre, Kapitalerhöhungen aus Rücklagen der Gesellschaft, Ausgabe von Wertpapieren mit Options- bzw. Wandlungsrechten in Bezug auf die Aktie, Ausschüttung außerordentlicher Dividenden, Aktiensplits oder sonstige Splits, Zusammenlegungen oder Änderungen der Kategorie;(c) die Abspaltung eines Teils der Gesellschaft in der Weise, dass ein neues rechtlich selbstständiges Unternehmen gegründet wird oder dass der abgespaltene Teil der Gesellschaft von einem anderen Unternehmen übernommen wird; oder(d) ein anderes Ereignis in Bezug auf die Aktie, das eine wertverwässernde oder wertanreichernde Auswirkung auf den theoretischen Wert der Aktie hat.
Mini-Futures	<p>"Anpassungstag" bezeichnet [jeden Raydius-Geschäftstag][jeden [<i>bestimmten Raydius-Geschäftstag einer Woche einfügen</i>]][den [<i>Ordnungszahl einfügen</i>] Kalendertag eines Monats].</p> <p>"Anpassungszeitraum" bezeichnet den Zeitraum ab dem Ausgabetag (einschließlich) bis zum ersten Anpassungstag (ausschließlich) sowie jeden folgenden Zeitraum ab einem Ausgabetag (einschließlich) bis zum nächstfolgenden Anpassungstag (ausschließlich).</p>
Kryptowährung	<p>"Verwaltungsanpassungsfaktor" bezeichnet einen als Prozentsatz ausgedrückten und von der Emittentin nach billigem Ermessen (§ 315 BGB) ermittelten Betrag zur Berücksichtigung der Kosten, die der Emittentin in Zusammenhang mit der Lagerung und Aufrechterhaltung von ggf. vorhandenem physischen Kryptowährungsbestand oder einer sonstigen damit verbundenen Absicherung entstehen.</p> <p>"verbundenes Unternehmen" bezeichnet ein verbundenes Unternehmen im Sinne der §§ 290, 271 Abs. 1 HGB.</p> <p>"anwendbarer Risikoanpassungsfaktor" bezeichnet den am jeweiligen Raydius-Geschäftstag anwendbaren Risikoanpassungsfaktor multipliziert mit (n/365).</p>

Wechselkurs	<p>"Basiswährung" bezeichnet die als solche in der Produktdatentabelle angegebene Währung.</p>
Aktie, Index, Gold	<p>"Referenzwertereignis" bedeutet:</p> <ul style="list-style-type: none"> (i) die Einstellung der Veröffentlichung des Referenzzinssatzes während eines Zeitraums von mindestens [5][●] Raydius-Geschäftstagen (wie ursprünglich geplant) oder den Wegfall des Referenzzinssatzes; oder (ii) eine öffentliche Erklärung des Administrators des Referenzzinssatzes, dass er die Veröffentlichung des Referenzzinssatzes dauerhaft oder auf unbestimmte Zeit eingestellt hat oder einstellen wird (in Fällen, in denen kein Nachfolgeadministrator bestellt wurde, der den Referenzzinssatz weiterhin veröffentlichen wird); oder (iii) eine öffentliche Erklärung der für den Administrator des Referenzzinssatzes zuständigen Aufsichtsbehörde, dass der Referenzzinssatz dauerhaft oder auf unbestimmte Zeit eingestellt wurde oder eingestellt werden wird; oder (iv) eine öffentliche Erklärung der für den Administrator des Referenzzinssatzes zuständigen Aufsichtsbehörde, in deren Folge die Verwendung des Referenzzinssatzes entweder grundsätzlich oder in Bezug auf die Wertpapiere untersagt wird; oder (v) dass die Berechnung fälliger Zahlungen, die an Wertpapierinhaber zu leisten sind, unter Verwendung des Referenzzinssatzes durch die Emittentin oder andere Parteien unrechtmäßig geworden ist, <p>wobei gilt, dass in den Fällen der Unterabsätze (ii), (iii) und (iv) das Referenzwertereignis am Tag der Einstellung der Veröffentlichung des Referenzzinssatzes, der Einstellung des Referenzzinssatzes bzw. des Verbots der Verwendung des Referenzzinssatzes, jedoch nicht am Tag der Abgabe der jeweiligen öffentlichen Erklärung eintritt.</p>
Terminkontrakt auf einen Rohstoff	<p>"Rohstoff" bezeichnet den Rohstoff, auf den der Terminkontrakt bezogen ist.</p>
Aktie	<p>"Gesellschaft" bezeichnet die Emittentin der Aktie.</p>
Wechselkurs	<p>"Kurswährung" bezeichnet die als solche in der Produktdatentabelle angegebene Währung.</p>
Kryptowährung	<p>"Kryptowährung" bezeichnet die als solche in der Produktdatentabelle angegebene Kryptowährung.</p> <p>"Kryptowährungsgeschäftstag" bezeichnet einen Tag, an dem der jeweilige Preis für die Ermittlung des Referenzpreises in der Preisquelle erscheint.</p>
Wechselkurs	<p>"Wechselkurs" bezeichnet den in der Produktdatentabelle als Basiswährung / Kurswährung angegebenen Wechselkurs.</p> <p>"Wechselkursgeschäftstag" bezeichnet einen Tag, an dem der jeweilige Preis für die Ermittlung des Referenzpreises in der Preisquelle erscheint.</p>

Aktie	<p>"Dividendenanpassungszeitpunkt" bezeichnet [●].</p> <p>"Dividendenauswirkung" spiegelt die Preisanpassung der Aktie zum Dividendenanpassungszeitpunkt aufgrund der Dividendenzahlung [(einschließlich außerordentlicher Dividendenzahlungen oder sonstiger Dividendenzahlungen, für die nach Kenntnis der Emittentin keine entsprechende Anpassung an der Aktie vorgenommen wird)], basierend auf der Dividendenzahlung, abzüglich von Steuern oder sonstigen Gebühren und Kosten, wider. Die Dividendenauswirkung wird ein von der Emittentin nach billigem Ermessen (§ 315 BGB) ermittelter Betrag sein.</p>
Index	<p>"Dividendenanpassungszeitpunkt" bezeichnet 23:00 Uhr (Ortszeit Frankfurt) am Tag vor dem Tag, an dem ein Indexbestandteil erstmals an der maßgeblichen Börse des Indexbestandteils ex Dividende gehandelt wird.</p> <p>Die "Dividendenauswirkung" spiegelt die Preisanpassung des Indexbestandteils zum Dividendenanpassungszeitpunkt aufgrund der Dividendenzahlung (einschließlich außerordentlicher Dividendenzahlungen oder sonstiger Dividendenzahlungen, für die nach Kenntnis der Emittentin keine entsprechende Anpassung am Index vorgenommen wird), basierend auf der Dividendenzahlung, abzüglich von Steuern oder sonstigen Gebühren und Kosten, wider. Die Dividendenauswirkung wird ein von der Emittentin nach billigem Ermessen (§ 315 BGB) ermittelter Betrag sein.</p>
Terminkontrakt auf einen Rohstoff	<p>"Wegfall des Referenzpreises" bezeichnet (a) die dauerhafte Einstellung des Handels mit dem Terminkontrakt an der Börse, (b) den Wegfall des Rohstoffs bzw. des Handels mit dem Rohstoff oder (c) den Wegfall bzw. die dauerhafte Einstellung oder Nichtverfügbarkeit des Referenzpreises, ungeachtet der Verfügbarkeit der Preisquelle oder des Stands des Handels mit dem Terminkontrakt oder dem Rohstoff.</p> <p>"EUR" ist der Euro.</p>
Aktie	<p>"Börse" bezeichnet die Börse bzw. das Handelssystem, die bzw. das in der Produktdatentabelle angegeben ist.</p> <p>"Börsengeschäftstag" ist ein Tag, an dem die Börse und die zugehörige Börse während ihrer regulären Handelszeiten für den Handel geöffnet sind, ungeachtet des Umstands, dass die Börse bzw. die zugehörige Börse vor dem planmäßigen Börsenschluss an Wochentagen schließt. Handel bzw. Handelsaktivitäten an der Börse bzw. der zugehörigen Börse nach oder vor deren regulären Handelszeiten werden nicht berücksichtigt.</p>
Kryptowährung	<p>"Börse" bezeichnet eine der Börsen bzw. eines der Handelssysteme, die in der Produktdatentabelle angegeben sind.</p> <p>"Börsengeschäftstag" ist ein Raydius-Geschäftstag, an dem die Börse für den Handel geöffnet ist, ungeachtet des Umstands, dass die Börse vor dem planmäßigen Börsenschluss an Wochentagen schließt. Handel bzw. Handelsaktivitäten an der Börse außerhalb eines Raydius-Geschäftstags werden nicht berücksichtigt.</p>
Terminkontrakt	<p>"Börse" bezeichnet die als solche in der Produktdatentabelle angegebene Börse (einschließlich einer Nachfolgebörse). Falls der Terminkontrakt nicht mehr an der Börse</p>

gehandelt wird, ist die Börse eine andere von der Emittentin nach billigem Ermessen (§ 315 BGB) bestimmte Terminbörse. Bei Bestimmung einer anderen Börse erfolgt eine entsprechende Veröffentlichung gemäß § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen.

"**Börsengeschäftstag**" ist ein Tag, an dem die Börse während ihrer regulären Handelszeiten für den Handel geöffnet ist, ungeachtet des Umstands, dass die Börse vor dem planmäßigen Börsenschluss an Wochentagen schließt. Handel bzw. Handelsaktivitäten an der Börse nach oder vor deren regulären Handelszeiten werden nicht berücksichtigt.

Open End Turbo
Optionsscheine
und Mini-Futures

"**Ausübungstag**" ist [●][der als solcher in der Produktdatentabelle angegebene Tag] [der zweite Montag im Januar eines jeden Jahres, beginnend im Januar [2021] [*Jahr einfügen*]].

Aktie

"**außerordentliches Ereignis**" bedeutet:

- (a) die Beendigung des Handels mit bzw. vorzeitige Erfüllung von auf die Aktie bezogenen Options- oder Terminkontrakten an der zugehörigen Börse oder die Ankündigung einer solchen Beendigung bzw. vorzeitigen Erfüllung;
- (b) die Beendigung der Notierung der Aktie an der Börse aufgrund einer Verschmelzung durch Aufnahme oder zur Neugründung oder aus einem anderen Grund oder das Bekanntwerden der Absicht der Gesellschaft bzw. die Ankündigung der Börse, dass die Notierung der Aktie an der Börse sofort oder zu einem späteren Zeitpunkt beendet wird und dass die Aktie nicht direkt nach Beendigung der Notierung an einer anderen Börse, die der Börse (ggf. einschließlich des Börsensegments) vergleichbar ist, zugelassen, gehandelt oder notiert werden wird;
- (c) ein Übernahmeangebot, d. h. ein Angebot zur Übernahme bzw. zum Tausch oder ein anderes Angebot oder eine andere Handlung einer natürlichen oder juristischen Person, das bzw. die dazu führt, dass diese natürliche oder juristische Person mehr als 10 % der in Umlauf befindlichen Aktien der Gesellschaft kauft, auf andere Weise erwirbt oder ein diesbezügliches Bezugsrecht erhält, sei dies infolge einer Wandlung oder auf andere Weise;
- (d) eine Störung der Preisquelle;
- (e) die Einleitung oder Fortsetzung eines Verfahrens, in dessen Rahmen sämtliche Aktien oder die wesentlichen Vermögenswerte der Gesellschaft verstaatlicht, enteignet oder auf andere Weise auf öffentliche Stellen, Behörden oder Einrichtungen übertragen werden oder übertragen werden könnten;
- (f) die Beantragung eines Insolvenzverfahrens oder vergleichbaren Verfahrens in Bezug auf das Vermögen der Gesellschaft nach dem auf die Gesellschaft anwendbaren Recht; oder
- (g) ein anderes den vorgenannten Ereignissen im Hinblick auf seine Auswirkungen wirtschaftlich gleichwertiges Ereignis.

Index

"**außerordentliches Ereignis**" bedeutet:

- (a) die Einstellung oder Ersetzung des Index oder die Ersetzung des Indexsponsors durch eine für die Emittentin nicht akzeptable andere natürliche oder juristische Person oder Einrichtung;
- (b) die Anpassung von auf den Index bezogenen Options- oder Terminkontrakten an der zugehörigen Börse oder die Ankündigung einer solchen Anpassung;

- (c) die Beendigung des Handels mit bzw. vorzeitige Erfüllung von auf den Index bezogenen Options- oder Terminkontrakten an (ggf.) der zugehörigen Börse oder die Beendigung des Handels mit Indexbestandteilen an einer maßgeblichen Börse bzw. einem maßgeblichen Handelssystem (die "**Börse des Indexbestandteils**") oder die Ankündigung einer solchen Beendigung bzw. vorzeitigen Erfüllung;
- (d) eine Störung der Preisquelle;
- (e) eine Änderung der Währung eines oder mehrerer Indexbestandteile, sofern diese Änderung eine wesentliche Auswirkung auf den Indexstand hat. Die Emittentin entscheidet nach billigem Ermessen (§ 315 BGB), ob dies der Fall ist;
- (f) (i) die Nichtbekanntgabe bzw. Nichtveröffentlichung des Referenzpreises (bzw. der für die Ermittlung des Referenzpreises notwendigen Angaben) durch den Indexsponsor und/oder (ii) die vorübergehende oder dauerhafte Einstellung oder Nichtverfügbarkeit der Quelle, auf der der Indexsponsor den Index veröffentlicht, und/oder (iii) eine wesentliche Änderung der Bedingungen für die Nutzung des Index durch den Indexsponsor und/oder eine wesentliche Erhöhung seiner Gebühren für die Nutzung oder die Berechnung des Index, mit der Folge, dass dieser Index als Basiswert wirtschaftlich nicht mehr zumutbar ist, sofern diese Änderung bzw. Erhöhung für die Wertpapiere relevant ist. Die Emittentin entscheidet nach billigem Ermessen (§ 315 BGB), ob dies der Fall ist;
- (g) der Eintritt eines Indexreferenzwertereignisses;
- (h) der Eintritt einer Indexänderung;
- (i) ein anderes den vorgenannten Ereignissen im Hinblick auf seine Auswirkungen wirtschaftlich gleichwertiges Ereignis.

Terminkontrakt "**außerordentliches Ereignis**" bezeichnet den Eintritt eines der folgenden Ereignisse:

- (a) einen Wegfall des Referenzpreises;
- (b) eine wesentliche Änderung des Inhalts;
- (c) eine wesentliche Änderung der Formel;
- (d) eine Störung der Preisquelle;
- (e) eine Steuerstörung;
- (f) eine Handelsstörung; oder
- (g) ein anderes den vorgenannten Ereignissen im Hinblick auf seine Auswirkungen wirtschaftlich gleichwertiges Ereignis.

Gold "**außerordentliches Ereignis**" bezeichnet den Eintritt eines der folgenden Ereignisse

- (a) eine Störung der Preisquelle; oder
- (b) ein anderes dem vorgenannten Ereignis im Hinblick auf seine Auswirkungen wirtschaftlich gleichwertigen Ereignis.

Wechselkurs	<p>"außerordentliches Ereignis" bezeichnet</p> <ul style="list-style-type: none"> (a) die Ersetzung einer Wahrung, auf der der Wechselkurs basiert, in ihrer Funktion als in dem Land oder den Landern bzw. der Rechtsordnung oder den Rechtsordnungen von der diese Wahrung emittierenden Behore, Einrichtung oder sonstigen Stelle gefuhrtes gesetzliches Zahlungsmittel; (b) die Verschmelzung einer Wahrung, auf der der Wechselkurs basiert; oder (c) den Eintritt einer Storung der Preisquelle; oder (d) ein anderes den vorgenannten Ereignissen im Hinblick auf seine Auswirkungen wirtschaftlich gleichwertiges Ereignis.
Kryptowahrung	<p>"außerordentliches Ereignis" bezeichnet den Eintritt eines der folgenden Ereignisse:</p> <ul style="list-style-type: none"> (a) eine wesentliche anderung des Inhalts; (b) eine wesentliche anderung der Formel; (c) eine Storung der Preisquelle; (d) eine Steuerstorung; (e) eine Anpassung durch eine der Borsen in Bezug auf die Kryptowahrung; (f) eine Handelsstorung; oder (g) ein anderes den vorgenannten Ereignissen im Hinblick auf seine Auswirkungen wirtschaftlich gleichwertiges Ereignis <p>"erster Handelstag" bezeichnet den [●] [<i>Datum einfugen</i>][,] [wobei dieser Tag dem Tag des ersten wirksamen Geschafts mit den Wertpapieren auf Spectrum entspricht].</p>
Aktie, Index, Gold	<p>"Finanzierungsbetrag" bezeichnet einen Betrag in Hohe des vorherigen Basispreises multipliziert mit dem Finanzierungsprozentsatz.</p>
Terminkontrakt, Kryptowahrung	<p>"Finanzierungsbetrag" bezeichnet [<i>bei Long Wertpapieren einfugen</i>: einen Betrag in Hohe des vorherigen Basispreises multipliziert mit dem Finanzierungsprozentsatz [(bei Long Wertpapieren))] [und] [<i>bei Short Wertpapieren einfugen</i>: einen Betrag in Hohe des negativen Werts des vorherigen Basispreises multipliziert mit dem Finanzierungsprozentsatz [(bei Short Wertpapieren)]]].</p>
Wechselkurs	<p>"Finanzierungsbetrag" bezeichnet den Referenzbetrag [<i>bei Long Wertpapieren einfugen</i>: zuzuglich [(bei Long Wertpapieren))] [und] [<i>bei Short Wertpapieren einfugen</i>: abzuglich [(bei Short Wertpapieren)]] des vorherigen Basispreises und multipliziert mit dem Finanzierungsprozentsatz.</p>
Aktie	<p>"Finanzierungsprozentsatz" bezeichnet [<i>bei Long Wertpapieren einfugen</i>: den anwendbaren Risikoanpassungsfaktor zuzuglich des Referenzzinssatzes multipliziert mit (i) bei nicht in EUR denominierten Aktien (n/365) oder (ii) andernfalls (n/360) [(bei Long Wertpapieren))] [und] [<i>bei Short Wertpapieren einfugen</i>: den Referenzzinssatz multipliziert mit (i) bei nicht in EUR denominierten Aktien (n/365) oder (ii) andernfalls (n/360) abzuglich des anwendbaren Risikoanpassungsfaktors [(bei Short Wertpapieren)]]].</p>

Index	" Finanzierungsprozeentsatz " bezeichnet <u>[bei Long Wertpapieren einfügen]</u> : den anwendbaren Risikoanpassungsfaktor zuzüglich des Referenzzinssatzes multipliziert mit (i) bei in GBP denominierten Indizes (n/365) oder (ii) andernfalls (n/360) [(bei Long Wertpapieren))] [und] <u>[bei Short Wertpapieren einfügen]</u> : den Referenzzinssatz multipliziert mit (i) bei in GBP denominierten Indizes (n/365) oder (ii) andernfalls (n/360) abzüglich des anwendbaren Risikoanpassungsfaktors [(bei Short Wertpapieren)].
Terminkontrakt	" Finanzierungsprozeentsatz " bezeichnet den anwendbaren Risikoanpassungsfaktor.
Gold	" Finanzierungsprozeentsatz " bezeichnet <u>[bei Long Wertpapieren einfügen]</u> : den anwendbaren Risikoanpassungsfaktor zuzüglich des Referenzzinssatzes multipliziert mit (n/[360][andere Zahl einfügen]) [(bei Long Wertpapieren))] [und] <u>[bei Short Wertpapieren einfügen]</u> : den Referenzzinssatz multipliziert mit (n/[360][andere Zahl einfügen]) abzüglich des anwendbaren Risikoanpassungsfaktors[(bei Short Wertpapieren)].
Wechselkurs	" Finanzierungsprozeentsatz " bezeichnet den anwendbaren Risikoanpassungsfaktor.
Kryptowährung	" Finanzierungsprozeentsatz " bezeichnet den anwendbaren Risikoanpassungsfaktor zuzüglich der Verwaltungsanpassungsfaktor. " Finanzierungszeitpunkt " bezeichnet [[23:00 Uhr] <u>[im Falle einer Aktie einfügen]</u> : 07:30 Uhr][anderen Zeitpunkt einfügen] (Ortszeit Frankfurt)] [anderen Zeitpunkt einfügen].
Terminkontrakt	" Terminkontrakt " bezeichnet den in der Produktdatentabelle als Basiswert angegebenen Terminkontrakt. An einem von der Emittentin unter Berücksichtigung der vorherrschenden Marktbedingungen nach billigem Ermessen (§ 315 BGB) zu bestimmenden Börsengeschäftstag, bei dem es sich um einen der 40 Börsengeschäftstage vor dem letzten Handelstag des Terminkontrakts handeln muss (der " Terminkontrakt-Roll-over-Tag "), endet der Zeitraum, in dem dieser Terminkontrakt Basiswert der Wertpapiere ist, woraufhin er von einem der sechs als nächste auslaufenden Terminkontrakte an der Börse mit einer Restlaufzeit von mindestens [einem Monat][andere Laufzeit einfügen] ersetzt wird, der von diesem Zeitpunkt an als Terminkontrakt für die Bewertung der Wertpapiere herangezogen wird (das " Terminkontrakt-Roll-over-Ereignis "). Für die Bestimmung des neuen Terminkontrakts wird in erster Linie die (anhand des Open Interest gemessene) Liquidität an der Börse herangezogen.
Index	" GBP " bezeichnet Pfund Sterling.
Gold	" Gold " bezeichnet den als solchen in der Produktdatentabelle festgelegten Kurs. " Goldgeschäftstag " bezeichnet einen Tag, an dem der jeweilige Preis für die Bestimmung des Referenzpreises in der Preisquelle erscheint. " Absicherungsgeschäft " bezeichnet eine Transaktion oder Anlage, die von der Emittentin und/oder einem verbundenen Unternehmen nach vernünftigem kaufmännischem Ermessen im Zusammenhang mit der Übernahme und Erfüllung der eigenen Verpflichtungen aus den Wertpapieren zu Sicherungszwecken abgeschlossen wurde. " HGB " bezeichnet das deutsche Handelsgesetzbuch.
Index	" Index " bezeichnet den in der Produktdatentabelle als Basiswert angegebenen Index.

"Indexreferenzwertereignis" bedeutet:

- (i) die Einstellung der Veröffentlichung des Index während eines Zeitraums von mindestens [5][●] Indexgeschäftstagen (wie ursprünglich geplant) oder den Wegfall des Index; oder
- (ii) eine öffentliche Erklärung des Indexsponsors als Administrator des Index, dass er die Veröffentlichung des Index dauerhaft oder auf unbestimmte Zeit eingestellt hat oder einstellen wird (in Fällen, in denen kein Nachfolgeindexsponsor bestellt wurde, der den Index weiterhin veröffentlichen wird); oder
- (iii) eine öffentliche Erklärung der für den Indexsponsor als Administrator des Index zuständigen Aufsichtsbehörde, dass der Index dauerhaft oder auf unbestimmte Zeit eingestellt wurde oder eingestellt werden wird; oder
- (iv) eine öffentliche Erklärung der für den Administrator des Index zuständigen Aufsichtsbehörde, in deren Folge die Verwendung des Index entweder grundsätzlich oder in Bezug auf die Wertpapiere untersagt wird; oder
- (v) dass die Berechnung fälliger Zahlungen, die an Wertpapierinhaber zu leisten sind, unter Verwendung des Index durch die Emittentin oder andere Parteien unrechtmäßig geworden ist,

wobei gilt, dass in den Fällen der Unterabsätze (ii), (iii) und (iv) das Indexreferenzwertereignis am Tag der Einstellung der Veröffentlichung des Index, der Einstellung des Index bzw. des Verbots der Verwendung des Index, jedoch nicht am Tag der Abgabe der jeweiligen öffentlichen Erklärung eintritt.

"Indexgeschäftstag" ist ein Tag, an dem der Stand des Index vom Indexsponsor veröffentlicht wird.

"Indexsponsor" bezeichnet den für den maßgeblichen Index in der Produktdatentabelle angegebenen Indexsponsor (einschließlich eines Nachfolgeindexsponsors).

"Emissionswährung" ist ["EUR"] [Währung einfügen].

"Ausgabetag" ist der [Ausgabetag einfügen].

Wertpapiere mit
Ausnahme von
Mini-Futures

"Knock-out-Barriere" bezeichnet den regelmäßig angepassten maßgeblichen Basispreis.

Mini-Futures

"Knock-out-Barriere" bezeichnet [bei Aktien oder Indizes einfügen]: , vorbehaltlich einer Dividendenauswirkung für den ersten Anpassungszeitraum, den als solchen in der Produktdatentabelle angegebenen Betrag. Für jeden zusätzlichen Anpassungszeitraum wird, vorbehaltlich einer Dividendenauswirkung, an dem in den jeweiligen Anpassungszeitraum fallenden Anpassungstag durch Multiplikation des jeweiligen Basispreises mit [bei Long Wertpapieren einfügen]: der Summe aus 100 (einhundert) Prozent und dem Knock-out-Puffer [(bei Long Wertpapieren))] [und] [bei Short Wertpapieren einfügen]: der Differenz aus 100 (einhundert) Prozent und dem Knock-out-Puffer [(bei Short Wertpapieren))] eine neue Knock-out-Barriere ermittelt. Die Knock-out-Barriere wird zu jedem Dividendenanpassungszeitpunkt um die Dividendenauswirkung [(bei Short Wertpapieren))] angepasst; [bei Terminkontrakten, Gold oder Wechselkursen einfügen]: für den ersten Anpassungszeitraum den als solchen in der Produktdatentabelle angegebenen Betrag. Für jeden zusätzlichen Anpassungszeitraum wird an dem in den jeweiligen Anpassungszeitraum fallenden Anpassungstag durch Multiplikation des jeweiligen Basispreises mit [bei Long Wertpapieren einfügen]: der Summe aus 100 (einhundert) Prozent und dem Knock-out-Puffer [(bei Long Wertpapieren))] [und] [bei Short Wertpapieren einfügen]: der Differenz aus 100 (einhundert) Prozent und dem Knock-out-Puffer [(bei Short Wertpapieren))] eine neue Knock-out-Barriere ermittelt. Die Emittentin wird die Knock-out-Barriere und den jeweiligen Knock-out-Puffer nach billigem

Ermessen (§ 315 BGB) unter Berücksichtigung der jeweils vorherrschenden Marktbedingungen (insbesondere der Volatilität) ermitteln.

"**Knock-out-Puffer**" bezeichnet (a) am Ausgabetag einen von der Emittentin nach billigem Ermessen (§ 315 BGB) ermittelten und in der Produktdatentabelle als solchen angegebenen Betrag und (b) an einem Anpassungstag innerhalb des Beobachtungszeitraums nach dem Ausgabetag einen von der Emittentin an jedem Anpassungstag innerhalb einer Spanne von null (0) bis [*Höchstbetrag des Knock-out-Puffers einfügen*] unter Anwendung der Basispreisanpassung ermittelten Betrag.

"**Long Wertpapiere**" bezeichnet Wertpapiere der Art "Long".

Aktie | "**Marktstörungsereignis**" bedeutet, dass eine Aussetzung oder Einschränkung des Handels mit (a) der Aktie an der Börse oder (b) auf die Aktie bezogenen Options- oder Terminkontrakten an der zugehörigen Börse (falls solche Options- oder Terminkontrakte an der zugehörigen Börse gehandelt werden) eingetreten ist bzw. besteht, sofern diese Aussetzung bzw. Einschränkung wesentlich ist. Die Entscheidung, ob eine Aussetzung bzw. Einschränkung wesentlich ist, wird jeweils von der Emittentin nach billigem Ermessen (§ 315 BGB) getroffen. Der Eintritt eines Marktstörungsereignisses am Bewertungstag wird nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen veröffentlicht.

Eine Einschränkung hinsichtlich der Geschäftszeiten oder der Anzahl von Handelstagen stellt kein Marktstörungsereignis dar, wenn diese auf eine angekündigte Änderung der regulären Geschäftszeiten der jeweiligen Börse zurückzuführen ist. Eine Einschränkung des Handels im Verlauf eines Tages aufgrund von zulässige Grenzen überschreitenden Preisbewegungen ist nur ein Marktstörungsereignis, wenn die Einschränkung bei Handelsschluss an diesem Tag weiterhin besteht.

Index | "**Marktstörungsereignis**" bedeutet, dass eine Aussetzung oder Einschränkung des Handels mit (a) auf den Index bezogenen Options- oder Terminkontrakten an der zugehörigen Börse oder (b) einem oder mehreren Indexbestandteilen an einer Börse des Indexbestandteils eingetreten ist bzw. besteht, sofern diese Aussetzung bzw. Einschränkung wesentlich ist. Die Entscheidung, ob eine Aussetzung bzw. Einschränkung wesentlich ist, wird jeweils von der Emittentin nach billigem Ermessen (§ 315 BGB) getroffen. Der Eintritt eines Marktstörungsereignisses am Bewertungstag wird nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen veröffentlicht.

Eine Einschränkung hinsichtlich der Geschäftszeiten oder der Anzahl von Handelstagen stellt kein Marktstörungsereignis dar, wenn diese auf eine angekündigte Änderung der regulären Geschäftszeiten der zugehörigen Börse bzw. der Börse des Indexbestandteils zurückzuführen ist. Eine Einschränkung des Handels im Verlauf eines Tages aufgrund von zulässige Grenzen überschreitenden Preisbewegungen gilt nur als Marktstörungsereignis, wenn die Einschränkung bei Handelsschluss an diesem Tag weiterhin besteht.

Terminkontrakt | "**wesentliche Änderung des Inhalts**" bedeutet, dass seit dem Ausgabetag eine wesentliche Änderung des Inhalts, der Zusammensetzung bzw. Struktur des Terminkontrakts (oder Rohstoffs, falls zutreffend) eingetreten ist.

"**wesentliche Änderung der Formel**" bedeutet, dass seit dem Ausgabetag eine wesentliche Änderung der Formel für die Berechnung des Referenzpreises bzw. von dessen Berechnungsmethode eingetreten ist.

Kryptowährung | "**wesentliche Änderung des Inhalts**" bedeutet, dass seit dem Ausgabetag eine wesentliche Änderung des Inhalts, der Zusammensetzung, der Struktur bzw. anderer technischer Spezifikationen der Kryptowährung eingetreten ist.

	" wesentliche Änderung der Formel " bedeutet, dass seit dem Ausgabetag eine wesentliche Änderung der Formel für die Berechnung des Referenzpreises bzw. von dessen Berechnungsmethode eingetreten ist.
Turbo Optionsscheine	" Fälligkeitstag " ist [Datum einfügen][der als solcher in der Produktdatentabelle angegebene Tag].
Aktie, Index, Terminkontrakt, Wechselkurs, Kryptowährung	" n " ist 1, wenn der für die Ermittlung relevante Tag ein Montag, Dienstag, Mittwoch oder Donnerstag ist, und 3, wenn der für die Ermittlung relevante Tag ein Freitag ist.
Gold	" n " ist 1, wenn der für die Ermittlung relevante Tag ein Montag, Dienstag, Donnerstag oder Freitag ist, und 3, wenn der für die Ermittlung relevante Tag ein Mittwoch ist. " Beobachtungszeitraum " bezeichnet den Zeitraum vom ersten Handelstag bis zum Bewertungstag (jeweils einschließlich). " Zahlungsgeschäftstag " bezeichnet einen Tag, an dem die Geschäftsbanken [und Devisenmärkte in [[Finanzmarkt][Finanzmärkte] einfügen]] und das TARGET2-System für den Geschäftsverkehr geöffnet sind und das Clearingsystem Zahlungen in der Emissionswährung abwickelt. " vorheriger Basispreis " bezeichnet den am unmittelbar vorhergehenden Raydius-Geschäftstag geltenden Basispreis. " Preisquelle " bezeichnet die als solche in der Produktdatentabelle angegebene Quelle.
Terminkontrakt	" Störung der Preisquelle " bezeichnet (a) die Nichtbekanntgabe bzw. Nichtveröffentlichung des Referenzpreises (bzw. der für die Ermittlung des Referenzpreises notwendigen Angaben) durch die Preisquelle zum geplanten Zeitpunkt; oder (b) die vorübergehende oder dauerhafte Einstellung oder Nichtverfügbarkeit der Preisquelle.
Aktie, Index, Gold	" Störung der Preisquelle " bezeichnet (a) die Nichtbekanntgabe bzw. Nichtveröffentlichung des Referenzpreises (bzw. der für die Ermittlung des Referenzpreises notwendigen Angaben) durch die Preisquelle oder Quelle des Referenzzinssatzes zum geplanten Zeitpunkt; oder (b) die vorübergehende oder dauerhafte Einstellung oder Nichtverfügbarkeit der Preisquelle oder Quelle des Referenzzinssatzes.
Wechselkurs	" Störung der Preisquelle " bezeichnet (a) die Nichtbekanntgabe bzw. Nichtveröffentlichung des Referenzpreises (bzw. der für die Ermittlung des Referenzpreises notwendigen Angaben) durch die Preisquelle oder Preisquelle des Referenzbetrags zum geplanten Zeitpunkt; oder (b) die vorübergehende oder dauerhafte Einstellung oder Nichtverfügbarkeit der Preisquelle oder Preisquelle des Referenzbetrags.
Kryptowährung	" Störung der Preisquelle " bezeichnet (a) die Nichtbekanntgabe bzw. Nichtveröffentlichung des Referenzpreises (bzw. der für die Ermittlung des Referenzpreises notwendigen Angaben) durch die Preisquelle; oder (b) die vorübergehende oder dauerhafte Einstellung oder Nichtverfügbarkeit der Preisquelle.

"**Produktdatentabelle**" bezeichnet den diesen Wertpapierbedingungen beigefügten Anhang, in dem die produktspezifischen Definitionen für jede Serie von Wertpapieren enthalten sind.

"**Raydius-Geschäftstag**" bezeichnet jeden Kalendertag der Woche, beginnend am Sonntag, 23:00 Uhr Ortszeit Frankfurt und endend am Freitag 23:00 Uhr Ortszeit Frankfurt, an dem Spectrum für den Handel geöffnet ist.

"**Bezugsverhältnis**" bezeichnet das als solches in der Produktdatentabelle angegebene Bezugsverhältnis.

Wechselkurs | "**Referenzbetrag**" ist der als solcher in der Produktdatentabelle angegebene Swapsatz, der auf der Preisquelle des Referenzbetrags veröffentlicht und von der Emittentin an jedem Raydius-Geschäftstag unter Bezugnahme auf den (*bei Long Wertpapieren einfügen*: Briefkurs [(bei Long Wertpapieren)]) [und] (*bei Short Wertpapieren einfügen*: Geldkurs [(bei Short Wertpapieren)]) der Preisquelle des Referenzbetrags als Betrag dieses Swapsatzes um 22:00 Uhr (Ortszeit Frankfurt) festgelegt wird.

"**Preisquelle des Referenzbetrags**" bezeichnet die als solche in der Produktdatentabelle angegebene Preisquelle (oder eine Nachfolgepreisquelle hierzu).

Aktie, Index und Gold | "**Referenzzinssatz**" ist der als solcher in der Produktdatentabelle angegebene Zinssatz, der auf der Quelle des Referenzzinssatzes veröffentlicht und von der Emittentin an jedem Raydius-Geschäftstag unter Bezugnahme auf die Quelle des Referenzzinssatzes als der zum Finanzierungszeitpunkt des vorhergehenden Raydius-Geschäftstags anwendbare Wert dieses Zinssatzes in Prozent bestimmt wird.

"**Quelle des Referenzzinssatzes**" bezeichnet die als solche in der Produktdatentabelle angegebene Satzquelle (oder einer Nachfolgesatzquelle hierzu).

Aktie | "**Referenzpreis**" bezeichnet den von der Emittentin unter Bezugnahme auf die Preisquelle ermittelten untertägigen Stand (Intraday) der Aktie an einem Aktiengeschäftstag.

Index | "**Referenzpreis**" bezeichnet den vom Indexsponsor veröffentlichten und von der Emittentin unter Bezugnahme auf die Preisquelle ermittelten untertägigen Stand (Intraday) des Index an einem Indexgeschäftstag.

Terminkontrakt | "**Referenzpreis**" bezeichnet den von der Börse veröffentlichten und von der Emittentin unter Bezugnahme auf die Preisquelle ermittelten Abwicklungspreis (*settlement price*) des Terminkontrakts an einem Börsengeschäftstag.

Gold | "**Referenzpreis**" bezeichnet den von der Emittentin unter Bezugnahme auf die Preisquelle ermittelten untertägigen Stand (Intraday) von Gold an einem Goldgeschäftstag.

Wechselkurs | "**Referenzpreis**" bezeichnet den von der Emittentin unter Bezugnahme auf die Preisquelle ermittelten untertägigen Stand (Intraday) des Wechselkurses an einem Wechselkursgeschäftstag.

Kryptowährung	" Referenzpreis " bezeichnet den von der Emittentin unter Bezugnahme auf die Preisquelle ermittelten untertägigen Stand (Intraday) der Kryptowährung an einem Kryptowährungsgeschäftstag .
Aktie	" zugehörige Börse " bezeichnet die Börse bzw. das Handelssystem mit dem größten Handelsvolumen in auf die Aktie bezogenen Options- oder Terminkontrakten. Werden keine auf die Aktie bezogenen Options- oder Terminkontrakte an einer Börse gehandelt, ist die zugehörige Börse die Options- oder Terminbörse mit der höchsten Anzahl an Options- oder Terminkontrakten, die sich auf Aktien von Unternehmen beziehen, die in dem Land ansässig sind, in dem die Gesellschaft ansässig ist. Gibt es in dem Land, in dem die Gesellschaft ansässig ist, keine Options- oder Terminbörse, an der auf Aktien bezogene Options- oder Terminkontrakte gehandelt werden, bestimmt die Emittentin die zugehörige Börse nach billigem Ermessen (§ 315 BGB) und gibt diese nach Maßgabe von § 3 (<i>Bekanntmachungen</i>) der allgemeinen Bedingungen bekannt.
Index	" zugehörige Börse " bezeichnet die Börse bzw. das Handelssystem mit dem größten Handelsvolumen in auf den Index bezogenen Options- oder Terminkontrakten. Werden keine auf den Index bezogenen Options- oder Terminkontrakte an einer Börse gehandelt, bestimmt die Emittentin nach billigem Ermessen (§ 315 BGB) ein alternatives Handelssystem als zugehörige Börse und gibt nach Maßgabe von § 3 (<i>Bekanntmachungen</i>) der allgemeinen Bedingungen bekannt, für welches sie sich entschieden hat.
	" maßgeblicher Umrechnungskurs " bezeichnet den Kurs, zu dem zum Zeitpunkt der Ermittlung des Referenzpreises am Bewertungstag EUR 1,00 in der Basiswertwährung auf dem internationalen Interbank-Kassamarkt tatsächlich gehandelt wird.
	" Risikoanpassungsfaktor " bezeichnet einen jährlichen Prozentsatz, der an jedem Raydius-Geschäftstag zum Finanzierungszeitpunkt ermittelt und durch [360]/[365] dividiert wird und den Preis der von der Emittentin übernommenen Risiken angibt. Die Ermittlung des Risikoanpassungsfaktors wird von der Emittentin nach billigem Ermessen (§ 315 BGB) innerhalb einer Spanne zwischen [●] % (Untergrenze) und [●] % (Obergrenze) vorgenommen.
Terminkontrakt	" Roll-over-Referenzpreis " bezeichnet den Preis des aktuellen Terminkontrakts am maßgeblichen Terminkontrakt-Roll-over-Tag, der anhand der am jeweiligen Terminkontrakt-Roll-over-Tag an der Börse gehandelten und veröffentlichten Preise ermittelt wird. Die Emittentin bestimmt den Roll-over-Referenzpreis nach billigem Ermessen (§ 315 BGB).
Aktie	" Aktie " bezeichnet die Aktie bzw. das Wertpapier, die bzw. das den in der Produktdatentabelle angegebenen Aktien vergleichbar ist. " Aktiengeschäftstag " bezeichnet einen Tag, an dem der jeweilige Preis für die Ermittlung des Referenzpreises in der Preisquelle erscheint. " Short Wertpapiere " bezeichnet Wertpapiere der Art "Short".
Mini Futures	" Stop-Loss-Rückzahlungsbetrag " bezeichnet den Betrags, der (i) dem Betrag entspricht, um den der in der Basiswertwährung ausgedrückte Stop-Loss-Referenzpreis <u>[bei Long Wertpapieren einfügen]</u> : den an dem Tag, an dem das Knock-out-Ereignis eingetreten ist, anwendbaren Basispreis überschreitet) <u>[bei Short Wertpapieren einfügen]</u> : von dem an dem Tag, an dem das Knock-out-Ereignis eingetreten ist, anwendbaren Basispreis überschritten wird) <u>[bei Long und Short Wertpapieren einfügen]</u> : den an dem Tag, an dem das Knock-out-Ereignis eingetreten ist, anwendbaren Basispreis überschreitet

	(Long Wertpapier) oder von dem an dem Tag, an dem das Knock-out-Ereignis eingetreten ist, anwendbaren Basispreis überschritten wird (Short Wertpapier)] multipliziert mit (ii) dem Bezugsverhältnis und umgerechnet in die Emissionswährung (sofern zutreffend).
Mini Futures	<p>"Stop-Loss-Referenzpreis" bezeichnet den von der Emittentin nach billigem Ermessen (§ 315 BGB) ohne schuldhaftes Zögern nach dem Eintritt eines Knock-out-Ereignisses ermittelten Referenzpreis des Basiswerts unter Berücksichtigung des Referenzpreises.</p> <p>"Spectrum" bezeichnet das multilaterale Handelssystem Spectrum, das von der Spectrum MTF Operator GmbH betrieben wird.</p> <p>"Basispreis" bezeichnet (a) am Ausgabetag einen in der Produktdatentabelle als solchen angegebenen Betrag und (b) an einem Raydius-Geschäftstag innerhalb des Beobachtungszeitraums nach dem Ausgabetag den von der Emittentin an jedem Raydius-Geschäftstag zum Basispreisanpassungszeitpunkt unter Anwendung der Basispreisanpassung ermittelten Betrag.</p>
Aktie	" Basispreisanpassung " bedeutet, dass (a) am Ausgabetag der Basispreis dem von der Emittentin unter Bezugnahme auf die entsprechende Preisquelle zum Ausgabetag ermittelten Preis entspricht und (b) an einem Raydius-Geschäftstag innerhalb des Beobachtungszeitraums nach dem Ausgabetag der Basispreis dem vorherigen Basispreis zuzüglich des Finanzierungsbetrags entspricht und (c) zu jedem Dividendenanpassungszeitpunkt, ungeachtet von (b) oben, der Basispreis der Summe aus dem vorherigen Basispreis und dem Finanzierungsbetrag [<i>bei Long Wertpapieren einfügen</i> : zuzüglich [(bei Long Wertpapieren)]] [und] [<i>bei Short Wertpapieren einfügen</i> : abzüglich [(bei Short Wertpapieren)]] der Dividendenauswirkung entspricht.
Index	" Basispreisanpassung " bedeutet, dass (a) am Ausgabetag der Basispreis dem von der Emittentin unter Bezugnahme auf die entsprechende Preisquelle zum Ausgabetag ermittelten Preis entspricht und (b) an einem Raydius-Geschäftstag innerhalb des Beobachtungszeitraums nach dem Ausgabetag der Basispreis dem vorherigen Basispreis zuzüglich des Finanzierungsbetrags entspricht und (c) zu jedem Dividendenanpassungszeitpunkt, ungeachtet von (b) oben, der Basispreis der Summe aus dem vorherigen Basispreis und dem Finanzierungsbetrag [<i>bei Long Wertpapieren einfügen</i> : zuzüglich [(bei Long Wertpapieren)]] [und] [<i>bei Short Wertpapieren einfügen</i> : abzüglich [(bei Short Wertpapieren)]] der Dividendenauswirkung entspricht.
Terminkontrakt	" Basispreisanpassung " bedeutet, dass (a) am Ausgabetag der Basispreis dem von der Emittentin unter Bezugnahme auf die entsprechende Preisquelle zum Ausgabetag ermittelten Preis entspricht und (b) an einem Raydius-Geschäftstag innerhalb des Beobachtungszeitraums nach dem Ausgabetag der Basispreis dem vorherigen Basispreis zuzüglich des Finanzierungsbetrags entspricht und (c) an jedem Terminkontrakt-Roll-over-Tag, ungeachtet von (b) oben, der Basispreis der Summe aus dem vorherigen Basispreis und dem Finanzierungsbetrag abzüglich der Differenz zwischen dem Roll-over-Referenzpreis des vorherigen Terminkontrakts am Terminkontrakt-Roll-over-Tag und dem Roll-over-Referenzpreis des neuen Terminkontrakts am Terminkontrakt-Roll-over-Tag entspricht.
Gold, Wechselkurs	" Basispreisanpassung " bedeutet, dass (a) am Ausgabetag der Basispreis dem von der Emittentin unter Bezugnahme auf die entsprechende Preisquelle zum Ausgabetag ermittelten Preis entspricht und (b) an einem Raydius-Geschäftstag innerhalb des Beobachtungszeitraums nach dem Ausgabetag der Basispreis dem vorherigen Basispreis zuzüglich des Finanzierungsbetrags entspricht.

Kryptowährung	<p>"Basispreisanpassung" bedeutet, dass (a) am Ausgabetag der Basispreis dem von der Emittentin unter Bezugnahme auf die entsprechende Preisquelle zum Ausgabetag ermittelten Preis entspricht und (b) an einem Raydius-Geschäftstag innerhalb des Beobachtungszeitraums nach dem Ausgabetag der Basispreis dem vorherigen Basispreis zuzüglich des Finanzierungsbetrags entspricht.</p> <p>"Basispreisanpassungszeitpunkt" bezeichnet [[23:00 Uhr][<i>im Falle einer Aktie einfügen</i>: 07:30 Uhr][<i>anderen Zeitpunkt einfügen</i>] (Ortszeit Frankfurt)] [<i>anderen Zeitpunkt einfügen</i>].</p> <p>"TARGET2-System" bezeichnet das Trans-European Automated Real-Time Gross Settlement Express Transfer System bzw. ein entsprechendes Nachfolgesystem.</p>
Terminkontrakt, Kryptowährung	<p>"Steuerstörung" bezeichnet die Erhebung, Änderung oder Abschaffung von Konzessionsabgaben, Produktionsteuern, Umsatzsteuern, Verbrauchsteuern, Mehrwertsteuern, Verkehrssteuern, Stempelsteuern, dokumentarischen Steuern, Beurkundungsteuern oder vergleichbaren Steuern auf [den Terminkontrakt][die Kryptowährung] bzw. von unter Bezugnahme auf [diesen][diese] bemessenen Konzessionsabgaben, Produktionsteuern, Umsatzsteuern, Verbrauchsteuern, Mehrwertsteuern, Verkehrssteuern, Stempelsteuern, dokumentarischen Steuern, Beurkundungsteuern oder vergleichbaren Steuern (bei denen es sich nicht um Steuern auf das Gesamtbrutto- oder Gesamtnettoeinkommen bzw. um unter Bezugnahme auf dieses bemessene Steuern handelt) durch eine Regierung oder Steuerbehörde nach dem Ausgabetag, wenn sich diese Erhebung, Änderung oder Abschaffung unmittelbar als Erhöhung oder Reduzierung des Referenzpreises auswirkt.</p>
Terminkontrakt	<p>"Handelsstörung" bezeichnet die wesentliche Aussetzung oder wesentliche Einschränkung des Handels mit dem Terminkontrakt (oder dem Rohstoff, falls zutreffend) oder eine vorzeitige Erfüllung an der Börse. Für diese Zwecke gilt Folgendes:</p> <p>(A) Eine Aussetzung des Handels mit dem Terminkontrakt (oder dem Rohstoff, falls zutreffend) an einem Börsengeschäftstag (wie ursprünglich ohne Berücksichtigung dieser Aussetzung geplant) gilt nur als wesentlich, wenn:</p> <ol style="list-style-type: none"> (1) der gesamte Handel mit dem Terminkontrakt (oder dem Rohstoff, falls zutreffend) während des gesamten Börsengeschäftstags ausgesetzt wird oder (2) der gesamte Handel mit dem Terminkontrakt (oder dem Rohstoff, falls zutreffend) nach Handelsbeginn an dem Börsengeschäftstag ausgesetzt wird, der Handel vor dem planmäßigen Handelsschluss für diesen Terminkontrakt (oder Rohstoff, falls zutreffend) an diesem Börsengeschäftstag nicht wieder aufgenommen wird und die Aussetzung weniger als eine Stunde vor ihrem Beginn angekündigt wird, und <p>(B) eine Einschränkung des Handels mit dem Terminkontrakt (oder dem Rohstoff, falls zutreffend) an einem Börsengeschäftstag gilt nur als wesentlich, wenn die Börse hinsichtlich der Spanne, innerhalb derer der Preis des Terminkontrakts (oder des Rohstoffs, falls zutreffend) schwanken darf, Grenzen setzt und sich der Schlusskurs des Terminkontrakts (oder des Rohstoffs, falls zutreffend) an diesem Tag am oberen oder unteren Ende dieser Spanne befindet.</p>
Kryptowährung	<p>"Handelsstörung" bezeichnet die wesentliche Aussetzung und/oder wesentliche Einschränkung des Handels mit der Kryptowährung oder eine vorzeitige Erfüllung an allen Börsen. Für diese Zwecke gilt Folgendes:</p> <p>(A) Eine Aussetzung des Handels mit der Kryptowährung an einem Börsengeschäftstag (wie ursprünglich ohne Berücksichtigung dieser Aussetzung geplant) gilt nur als wesentlich, wenn:</p>

- (1) der Handel mit der Kryptowährung für eine wesentliche Zeit an einem Börsengeschäftstag an der maßgeblichen Börse ausgesetzt wird oder
 - (2) der gesamte Handel mit der Kryptowährung an dem Börsengeschäftstag an der maßgeblichen Börse ausgesetzt wird, der Handel mit dieser Kryptowährung an diesem Börsengeschäftstag an der maßgeblichen Börse nicht wieder aufgenommen wird und die Aussetzung ggf. weniger als eine Stunde vor ihrem Beginn angekündigt wird oder überhaupt nicht angekündigt wurde, und
- (B) eine Einschränkung des Handels mit der Kryptowährung an einem Börsengeschäftstag gilt nur als wesentlich, wenn die maßgebliche Börse hinsichtlich der Spanne, innerhalb derer der Preis der Kryptowährung schwanken darf, Grenzen setzt und sich der Schlusskurs der Kryptowährung an diesem Tag am oberen oder unteren Ende dieser Spanne befindet.

"Art" ist die in der Produktdatentabelle angegebene Art, wobei mit "Long" Long Wertpapiere und mit "Short" Short Wertpapiere bezeichnet werden.

"Basiswert" bezeichnet den Bezugswert, auf den sich die Wertpapiere beziehen.

"Basiswertwährung" bezeichnet die als solche in der Produktdatentabelle angegebene Währung.

"Bewertungstag" ist der [bei Turbo Optionsscheinen einfügen: Fälligkeitstag][bei Open End Turbo Optionsscheinen und Mini-Futures einfügen: Ausübungstag bzw., bei einer ordentlichen Beendigung, der ordentliche Beendigungstermin (jeweils wie nachstehend in § 3 (Ordentliche Beendigung durch die Emittentin) definiert)] vorbehaltlich § 6 (Verschiebungen).

"Bewertungszeitpunkt" bezeichnet [●] [in Bezug auf eine Aktie [●]][,] [und] [in Bezug auf einen Index den Zeitpunkt, zu dem der Indexsponsor zuletzt den Stand des Index veröffentlicht hat (offizieller Schlusstand)][,] [und] [in Bezug auf einen Terminkontrakt [●]][,] [und] [in Bezug auf einen Wechselkurs [2:00][14:00][●] Uhr [(Ortszeit Frankfurt)]][,] [und] [in Bezug auf Gold [●]][,] [und] [in Bezug auf eine Kryptowährung [●]].

§ 2 (RÜCKZAHLUNG)

1. Die Wertpapiere gewähren dem Wertpapierinhaber den Anspruch auf Erhalt des Rückzahlungsbetrags von der Emittentin nach Maßgabe dieses § 2 (das "Optionsrecht").
2. Jedes Wertpapier wird, vorbehaltlich § 2 (5), durch Zahlung eines Betrags zurückgezahlt, der (i) dem Betrag entspricht, um den der zum Bewertungszeitpunkt ermittelte, in der Basiswertwährung ausgedrückte Referenzpreis des Basiswerts am Bewertungstag [bei Long Wertpapieren einfügen: den am Bewertungstag anwendbaren Basispreis überschreitet] [bei Short Wertpapieren einfügen: von dem am Bewertungstag anwendbaren Basispreis überschritten wird] [bei Long und Short Wertpapieren einfügen: den am Bewertungstag anwendbaren Basispreis überschreitet (Long Wertpapier) oder von dem am Bewertungstag anwendbaren Basispreis überschritten wird (Short Wertpapier)], multipliziert mit (ii) dem Bezugsverhältnis und umgerechnet in die Emissionswährung (sofern zutreffend) (der "Rückzahlungsbetrag").

Wertpapiere mit Ausnahme von Mini-Futures	3.	Der Basispreis wird an jedem Raydius-Geschäftstag innerhalb des Beobachtungszeitraums gemäß der Basispreisanpassung angepasst.
Mini-Futures	3.	Der Basispreis wird an jedem Raydius-Geschäftstag innerhalb des Beobachtungszeitraums gemäß der Basispreisanpassung angepasst und die Knock-out-Barriere wird an jedem Anpassungstag innerhalb des Beobachtungszeitraums gemäß der Definition der Knock-out-Barriere angepasst.
	4.	Ist eine Währungsumrechnung gemäß diesem § 2 erforderlich, so erfolgt diese zum maßgeblichen Umrechnungskurs, wenn Quanto-Umrechnung in der Produktdatentabelle als "Nicht anwendbar" angegeben ist, anderenfalls erfolgt die Umrechnung auf folgender Grundlage: Eine Einheit der Basiswertwährung entspricht einer Einheit der Emissionswährung (Quanto).
Wertpapiere mit Ausnahme von Mini-Futures	5.	Wenn der Referenzpreis während des Beobachtungszeitraums mindestens einmal der Knock-out-Barriere entspricht [<i>bei Long Wertpapieren einfügen</i> : oder niedriger als diese ist] [<i>bei Short Wertpapieren einfügen</i> : oder höher als diese ist] [<i>bei Long und Short Wertpapieren einfügen</i> : oder niedriger (Long Wertpapier) als diese ist oder ihr entspricht oder höher (Short Wertpapier) als diese ist] (das " Knock-out-Ereignis "), verfällt das Optionsrecht gemäß § 2 (1).
Mini-Futures	5.	Wenn der Referenzpreis während des Beobachtungszeitraums mindestens einmal der Knock-out-Barriere entspricht [<i>bei Long Wertpapieren einfügen</i> : oder niedriger als diese ist] [<i>bei Short Wertpapieren einfügen</i> : oder höher als diese ist] [<i>bei Long und Short Wertpapieren einfügen</i> : oder niedriger (Long Wertpapier) als diese ist oder ihr entspricht oder höher (Short Wertpapier) als diese ist] (das " Knock-out-Ereignis "), verfällt das Optionsrecht gemäß § 2 (1) und die Wertpapiere werden automatisch durch Zahlung eines Betrags ausgeübt, der dem Stop-Loss-Rückzahlungsbetrag entspricht.
	6.	Nach einem Knock-out-Ereignis wird der Stop-Loss-Rückzahlungsbetrag, sofern vorhanden, spätestens am [10.][●] Zahlungsgeschäftstag nach [dem Knock-out-Ereignis][●] an die Wertpapierinhaber gezahlt.
Turbo Optionsscheine	6.	Das Optionsrecht gemäß § 2 (1) gilt als am Fälligkeitstag automatisch ausgeübt, sofern es sich bei dem Rückzahlungsbetrag zu diesem Zeitpunkt um einen positiven Betrag handelt.
	7.	Der Rückzahlungsbetrag wird den Wertpapierinhabern spätestens am [10.][●] Zahlungsgeschäftstag nach dem Bewertungstag gezahlt.
Open End Turbo Optionsscheine und Mini-Futures	6.	Zur wirksamen Ausübung des Optionsrechts in Bezug auf einen Ausübungstag ist der Wertpapierinhaber verpflichtet, die kontoführende Bank anzuweisen, <ul style="list-style-type: none"> (a) der Zahlstelle durch (i) Nutzung des bei der Zahlstelle verfügbaren Formulars oder (ii) Zurverfügungstellung bestimmter Informationen in Textform (Name und Anschrift des Wertpapierinhabers, Bezeichnung, ISIN und Anzahl der zurückzuzahlenden Wertpapiere und das Girokonto des Wertpapierinhabers, dem ein Rückzahlungsbetrag nach Maßgabe von § 4 überwiesen werden soll) eine Ausübungserklärung (die "Ausübungserklärung") zukommen zu lassen und

- (b) die Wertpapiere über die kontoführende Bank zu liefern, indem die Wertpapiere dem Konto der Zahlstelle bei dem Clearingsystem gutgeschrieben werden.

Am Ausübungstag spätestens um 10:00 Uhr (Ortszeit Frankfurt) (i) muss die Ausübungserklärung der Zahlstelle zugegangen sein und (ii) die Wertpapiere müssen auf dem Konto der Zahlstelle bei dem Clearingsystem gebucht sein.

7. Die Ausübungserklärung ist bindend und unwiderruflich.
8. Eine für einen bestimmten Ausübungstag eingereichte Ausübungserklärung ist nichtig, wenn die vorgenannten Bestimmungen nicht erfüllt werden. Ist eine Ausübungserklärung nach Maßgabe des vorstehenden Satzes nichtig, wird sie auch nicht als Ausübungserklärung für einen späteren Ausübungstag behandelt.

Weicht die Anzahl der in der Ausübungserklärung genannten Wertpapiere, deren Rückzahlung verlangt wird, von der Anzahl der auf die Zahlstelle übertragenen Wertpapiere ab, gilt die Ausübungserklärung lediglich in Bezug auf die geringere Anzahl von Wertpapieren als eingereicht. Etwaige überschüssige Wertpapiere werden auf Kosten und Gefahr des Wertpapierinhabers auf die kontoführende Bank rückübertragen.

9. Optionsrechte können lediglich in Höhe der Ausübungszahl oder eines ganzzahligen Vielfachen davon ausgeübt werden.

Werden Wertpapiere in einer geringeren Anzahl als der Ausübungszahl ausgeübt, ist die Ausübung nichtig. Werden Wertpapiere in einer höheren Anzahl als der Ausübungszahl, die kein ganzzahliges Vielfaches von dieser ist, ausgeübt, gilt die nächstgeringere Anzahl von Wertpapieren, die der Mindestzahl oder einem ganzzahligen Vielfachen davon entspricht, als ausgeübt. Wird die Ausübungszahl bzw. ein ganzzahliges Vielfaches davon überschritten, werden die überschüssigen Wertpapiere auf Kosten und Gefahr des Wertpapierinhabers auf die kontoführende Bank rückübertragen.

"**Ausübungszahl**" bezeichnet die Mindestzahl von Wertpapieren, die als solche in der Produktdatentabelle angegeben ist.

10. Nach der wirksamen Ausübung des Optionsrechts wird den Wertpapierinhabern der Rückzahlungsbetrag spätestens am [10.][●] Zahlungsgeschäftstag nach dem Bewertungstag gezahlt.

§ 3 (ORDENTLICHE BEENDIGUNG DURCH DIE EMITTENTIN)

Turbo Optionsscheine | Die Emittentin ist nicht zur ordentlichen Beendigung der Wertpapiere vor deren Fälligkeitstag berechtigt.

- Open End Turbo Optionsscheine und Mini-Futures |
1. Die Emittentin ist berechtigt, die Wertpapiere ganz, jedoch nicht teilweise, jeweils mit Wirkung zum [[●] eines jeden [Jahres][Monats], erstmalig mit Wirkung zum [●]] [*andere Bestimmung einfügen*] (ein solcher Tag ist ein "**ordentlicher Beendigungstermin**") ordentlich zu beenden ("**ordentliche Beendigung**").
 2. Eine ordentliche Beendigung muss mit einer Frist von mindestens [*Anzahl*] Tagen vor dem ordentlichen Beendigungstermin nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen mitgeteilt werden. Diese Mitteilung ist unwiderruflich; in ihr muss der ordentliche Beendigungstermin angegeben sein.

3. Bei einer ordentlichen Beendigung der Wertpapiere erhält jeder Wertpapierinhaber eine nach Maßgabe der Bestimmungen aus § 2 (2) ermittelte Zahlung je Wertpapier. Dabei ersetzt der ordentliche Beendigungstermin in jeder Hinsicht den Fälligkeitstag.
4. Bei einer ordentlichen Beendigung gemäß diesen Wertpapierbedingungen zu zahlende Beträge werden den Wertpapierinhabern spätestens am [●][.] Zahlungsgeschäftstag nach dem Bewertungstag gezahlt.
5. Das Recht der Wertpapierinhaber, die Rückzahlung der Wertpapiere mit Wirkung zu einem Ausübungstag vor dem jeweiligen ordentlichen Beendigungstermin zu verlangen, wird durch eine ordentliche Beendigung seitens der Emittentin nach Maßgabe dieses § 3 nicht berührt.

§ 4 (Zahlungen)

1. Die Emittentin verpflichtet sich unwiderruflich, alle gemäß diesen Wertpapierbedingungen der Wertpapiere zu zahlenden Beträge in der Emissionswährung zu zahlen, sobald diese fällig werden. Zahlungen auf Wertpapiere, die in Übereinstimmung mit den TEFRA-D-Regeln begeben wurden und durch eine temporäre Globalurkunde verbrieft sind, werden ausschließlich nach ordnungsgemäßer Bestätigung über das Nichtbestehen US-wirtschaftlichen Eigentums nach Maßgabe von § 1 (2) (*Form*) der allgemeinen Bedingungen geleistet.
2. Alle gemäß diesen Wertpapierbedingungen zu zahlenden Beträge werden auf den nächsten EUR 0,01 gerundet (EUR 0,005 werden aufgerundet).
3. Alle gemäß diesen Wertpapierbedingungen zu zahlenden Beträge werden an die Zahlstelle gezahlt, damit diese sie an den in diesen Wertpapierbedingungen angegebenen Terminen an das Clearingsystem überweist oder entsprechend der Weisung des Clearingsystems den entsprechenden Kontoinhabern gutschreibt. Durch Zahlung an das Clearingsystem bzw. entsprechend der Weisung des Clearingsystems wird die Emittentin von ihren Zahlungsverpflichtungen aus den Wertpapieren in Höhe der Zahlung befreit.
4. Wird eine Zahlung gemäß diesen Wertpapierbedingungen an einem Tag geleistet, der kein Zahlungsgeschäftstag ist, erfolgt die Zahlung am nächstfolgenden Zahlungsgeschäftstag. In diesem Fall steht den Wertpapierinhabern im Hinblick auf diese Verzögerung weder ein Zahlungsanspruch noch ein Zinsanspruch noch ein sonstiger Ausgleich zu.
5. Für alle Zahlungen gelten in jedem Fall allen anwendbaren Steuerrechtsvorschriften und -richtlinien und sonstigen Rechtsvorschriften und Richtlinien sowie die in § 4 (*Steuern*) der allgemeinen Bedingungen enthaltene Bestimmung.

§ 5 (ANPASSUNGEN)

- | | |
|-------|---|
| Aktie | <ol style="list-style-type: none"> 1. Bei Eintritt eines Anpassungsereignisses und/oder eines außerordentlichen Ereignisses, das sich jeweils wesentlich auf die Aktie bzw. den Referenzpreis auswirkt, nimmt die Emittentin diejenigen Anpassungen der Wertpapierbedingungen vor, die notwendig sind, damit nach Maßgabe der folgenden Bestimmungen die wirtschaftliche Auswirkung des Anpassungsereignisses oder des außerordentlichen Ereignisses auf die Wertpapiere angemessen berücksichtigt wird und das wirtschaftliche Profil der Wertpapiere vor Eintritt des Anpassungsereignisses oder des außerordentlichen Ereignisses im Wesentlichen |
|-------|---|

erhalten bleibt (jeweils eine "**Anpassung**"). Die Emittentin entscheidet nach billigem Ermessen (§ 315 BGB), ob ein Anpassungsereignis oder ein außerordentliches Ereignis eingetreten ist und ob dieses Anpassungsereignis oder dieses außerordentliche Ereignis eine wesentliche Auswirkung auf die Aktie oder den Referenzpreis hat.

2. Eine Anpassung kann Folgendes zur Folge haben:
 - (a) die Ersetzung der Aktie durch eine andere Aktie und/oder Bargeld und/oder einen sonstigen Ausgleich, jeweils wie in Bezug auf das jeweilige Anpassungsereignis oder das jeweilige außerordentliche Ereignis vorgesehen (eine "**Ersetzung**"), und die Bestimmung einer Ersatzwertpapierbörse als Börse und einer Ersatzoptions- und -terminbörse als zugehörige Börse und/oder
 - (b) Erhöhungen oder Verringerungen von bestimmten Variablen und Werten oder der gemäß den Wertpapieren zu zahlenden Beträge, unter Berücksichtigung:
 - (i) der Auswirkung eines Anpassungsereignisses oder eines außerordentlichen Ereignisses auf den Kurs der Aktie,
 - (ii) der wertverwässernden oder wertanreichernden Auswirkung eines Anpassungsereignisses oder eines außerordentlichen Ereignisses auf den theoretischen Wert der Aktie und/oder
 - (iii) eines Barausgleichs oder sonstigen Ausgleichs im Zusammenhang mit einer Ersetzung und/oder
 - (c) Folgeänderungen der die Aktie betreffenden Bestimmungen der Wertpapierbedingungen, die erforderlich sind, damit den Folgen der Ersetzung vollumfänglich Rechnung getragen wird.
3. Anpassungen sollten den von der zugehörigen Börse vorgenommenen Anpassungen von auf die Aktie bezogenen Options- oder Terminkontrakten entsprechen (eine "**Anpassung der zugehörigen Börse**").
 - (a) Hat die Anpassung der zugehörigen Börse zur Folge, dass die Aktie durch einen Aktienkorb ersetzt wird, so ist die Emittentin berechtigt, zu bestimmen, dass nur die Aktie mit der höchsten Marktkapitalisierung am Stichtag (wie nachstehend in § 5 (5) definiert) die (Ersatz-)Aktie für die Zwecke der Wertpapiere ist, und die übrigen Aktien im Korb hypothetisch am ersten Börsengeschäftstag nach dem Stichtag zum ersten verfügbaren Kurs zu verkaufen und die Erlöse unmittelbar danach hypothetisch durch entsprechende Anpassung von bestimmten Variablen und Werten oder der gemäß den Wertpapieren zu zahlenden Beträge wieder in die (Ersatz-)Aktie anzulegen. Würde die Bestimmung der Aktie mit der höchsten Marktkapitalisierung zu einer wirtschaftlich unangemessenen Anpassung führen, so ist die Emittentin berechtigt, nach Maßgabe des vorstehenden Satzes eine andere Aktie aus dem Aktienkorb als (Ersatz-)Aktie auszuwählen. Die Emittentin entscheidet nach billigem Ermessen (§ 315 BGB), ob dies der Fall ist.
 - (b) Insbesondere muss die Emittentin in den folgenden Fällen keine Anpassungen der Wertpapierbedingungen unter Bezugnahme auf Anpassungen der zugehörigen Börse vornehmen:
 - (i) wenn die Anpassungen der zugehörigen Börse zu wirtschaftlich unerheblichen Anpassungen der Wertpapierbedingungen führen würden; die Emittentin entscheidet nach billigem Ermessen (§ 315 BGB), ob dies der Fall ist;

- (ii) wenn die Anpassungen der zugehörigen Börse gegen die Grundsätze von Treu und Glauben verstoßen oder zu Anpassungen der Wertpapierbedingungen führen würden, die dem Grundsatz, dass das wirtschaftliche Profil der Wertpapiere vor Eintritt des Anpassungsereignisses oder des außerordentlichen Ereignisses im Wesentlichen erhalten bleiben soll und dessen wirtschaftliche Auswirkung auf den Kurs der Aktie angemessen berücksichtigt werden soll, entgegenstehen; die Emittentin entscheidet nach billigem Ermessen (§ 315 BGB), ob dies der Fall ist; oder
 - (iii) in Fällen, in denen keine Anpassung der zugehörigen Börse erfolgt, eine Anpassung der zugehörigen Börse jedoch gemäß den Anpassungsvorschriften der zugehörigen Börse erforderlich wäre; in diesem Fall entscheidet die Emittentin nach billigem Ermessen (§ 315 BGB), ob dies der Fall ist und nimmt entsprechende Anpassungen nach Maßgabe der Anpassungsvorschriften der zugehörigen Börse vor.
 - (c) Falls Zweifel hinsichtlich der Anwendung der Anpassung der zugehörigen Börse oder der Anpassungsvorschriften der zugehörigen Börse bestehen oder es keine zugehörige Börse gibt, nimmt die Emittentin nach billigem Ermessen (§ 315 BGB) diejenigen Anpassungen der Wertpapierbedingungen vor, die erforderlich sind, damit das wirtschaftliche Profil der Wertpapiere vor Eintritt des Anpassungsereignisses oder des außerordentlichen Ereignisses im Wesentlichen erhalten bleibt und dessen wirtschaftliche Auswirkung auf den Kurs der Aktie angemessen berücksichtigt wird.
4. Bezugnahmen auf die Aktie in diesen Wertpapierbedingungen sind, soweit der Kontext dies zulässt, anschließend Bezugnahmen auf die Ersatzaktie. Alle dazugehörigen Definitionen gelten als entsprechend geändert.
 5. Anpassungen werden ab dem von der Emittentin nach billigem Ermessen (§ 315 BGB) bestimmten Tag (der "**Stichtag**") wirksam, mit der Maßgabe, dass (sofern die Emittentin berücksichtigt, wie Anpassungen von der zugehörigen Börse vorgenommen werden bzw. würden) die Emittentin den Tag, an dem diese Anpassungen bei der zugehörigen Börse wirksam werden bzw. würden, berücksichtigt.
 6. Bei Eintritt einer Störung der Preisquelle bestimmt die Emittentin nach billigem Ermessen (§ 315 BGB) eine andere Preisquelle, die die für die Ermittlung des Referenzpreises erforderlichen Angaben bereitstellt (die "**Nachfolgepreisquelle**"), und ab dieser Bestimmung ist diese Nachfolgepreisquelle die relevante Preisquelle. Die Emittentin veröffentlicht umgehend die Nachfolgepreisquelle nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen.
 7. Anpassungen sowie deren Stichtag werden von der Emittentin nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen mitgeteilt.
 8. Stellt die Emittentin zum Zeitpunkt oder vor der Ermittlung des Referenzzinssatzes an einem Raydius-Geschäftstag fest, dass der anfängliche Referenzzinssatz eingestellt wurde oder dauerhaft nicht mehr veröffentlicht wird und/oder ein Referenzwertereignis eingetreten ist ("**Referenzzinssatzereignis**"), verwendet die Emittentin einen Ersatz- oder Nachfolgebasiszinssatz, bezüglich dessen sie nach billigem Ermessen (§ 315 BGB) unter Hinzuziehung jeglicher von ihr als angemessen erachteten Quelle festgestellt hat, dass es sich bei diesem (a) um den in der Branche anerkannten Ersatz- oder Nachfolgebasiszinssatz handelt oder (b), falls es einen solchen in der Branche anerkannten Ersatz- oder Nachfolgebasiszinssatz nicht gibt, um einen Ersatz- oder Nachfolgebasiszinssatz handelt, der dem anfänglichen Referenzzinssatz am ehesten vergleichbar ist.

Nach der Auswahl eines Ersatz- oder Nachfolgebasiszinssatzes kann die Emittentin nach billigem Ermessen unter Hinzuziehung jeglicher von ihr als angemessen erachteten Quelle die Zinstageberechnungsmethode, die Geschäftstageskonvention, die Definition von Geschäftstag und jede andere relevante Methodik oder Definition zur Berechnung dieses Ersatz- oder Nachfolgebasiszinssatzes bestimmen, einschließlich jedes Anpassungsfaktors oder zusätzlichen Spreads, bezüglich dessen sie feststellt, dass er erforderlich ist, um den Ersatz- oder Nachfolgebasiszinssatz mit dem anfänglichen Referenzzinssatz in einer Weise vergleichbar zu machen, die mit in der Branche anerkannten Vorgehensweisen für einen solchen Ersatz- oder Nachfolgebasiszinssatz in Einklang steht.

Klarstellend wird darauf hingewiesen, dass das Vorstehende zusätzlich zu den anderen Bedingungen der Wertpapiere und unbeschadet der anderen Bedingungen der Wertpapiere gilt. Falls gemäß solchen Bedingungen andere Folgen in Bezug auf ein Ereignis oder einen Vorgang im Rahmen eines Referenzzinssatzereignisses gelten könnten, so entscheidet die Emittentin nach billigem Ermessen (§ 315 BGB), welche Bedingungen gelten.

9. Eine Anpassung nach Maßgabe dieses § 5 schließt eine anschließende Beendigung nach Maßgabe des nachstehenden § 7 aufgrund des gleichen Ereignisses nicht aus.

Index

1. Bei Eintritt eines außerordentlichen Ereignisses, das sich wesentlich auf den Index bzw. den Referenzpreis auswirkt, nimmt die Emittentin diejenigen Anpassungen der Wertpapierbedingungen vor, die notwendig sind, damit nach Maßgabe der folgenden Bestimmungen die wirtschaftliche Auswirkung des außerordentlichen Ereignisses auf die Wertpapiere angemessen berücksichtigt wird und das wirtschaftliche Profil der Wertpapiere vor Eintritt des außerordentlichen Ereignisses im Wesentlichen erhalten bleibt (jeweils eine "**Anpassung**"). Die Emittentin entscheidet nach billigem Ermessen (§ 315 BGB), ob ein außerordentliches Ereignis eingetreten ist und ob dieses außerordentliche Ereignis eine wesentliche Auswirkung auf den Index oder den Referenzpreis hat.

(a) Eine Anpassung kann Folgendes zur Folge haben:

- (i) die Ersetzung des Index durch einen anderen Index (eine "**Ersetzung**") und/oder die Ersetzung des Indexsponsors durch eine andere für die Emittentin akzeptable natürliche oder juristische Person oder Einrichtung als neuem Indexsponsor,
- (ii) Erhöhungen oder Verringerungen von bestimmten Variablen und Werten oder der gemäß den Wertpapieren zu zahlenden Beträge, unter Berücksichtigung:
 - (aa) der Auswirkung eines außerordentlichen Ereignisses auf den Stand des Index,
 - (bb) der wertverwässernden oder wertanreichernden Auswirkung eines außerordentlichen Ereignisses auf den theoretischen Wert des Index oder
 - (cc) eines Barausgleichs oder sonstigen Ausgleichs im Zusammenhang mit einer Ersetzung;

und/oder

- (iii) Folgeänderungen der Bestimmungen der Indexbedingungen, die erforderlich sind, damit den Folgen der Ersetzung vollumfänglich Rechnung getragen wird.

- (b) Anpassungen sollten den von der zugehörigen Börse vorgenommenen Anpassungen von auf den Index bezogenen Options- oder Terminkontrakten entsprechen (eine "**Anpassung der zugehörigen Börse**").
 - (i) Insbesondere muss die Emittentin in den folgenden Fällen keine Anpassungen der Wertpapierbedingungen unter Bezugnahme auf Anpassungen der zugehörigen Börse vornehmen:
 - (aa) wenn die Anpassungen der zugehörigen Börse zu wirtschaftlich unerheblichen Anpassungen der Wertpapierbedingungen führen würden; die Emittentin entscheidet nach billigem Ermessen (§ 315 BGB), ob dies der Fall ist;
 - (bb) wenn die Anpassungen der zugehörigen Börse gegen die Grundsätze von Treu und Glauben verstoßen oder zu Anpassungen der Wertpapierbedingungen führen würden, die dem Grundsatz, dass das wirtschaftliche Profil der Wertpapiere vor Eintritt des außerordentlichen Ereignisses im Wesentlichen erhalten bleiben soll und dessen wirtschaftliche Auswirkung auf den Stand des Index angemessen berücksichtigt werden soll, entgegenstehen; die Emittentin entscheidet nach billigem Ermessen (§ 315 BGB), ob dies der Fall ist; oder
 - (cc) in Fällen, in denen keine Anpassung der zugehörigen Börse erfolgt, eine Anpassung der zugehörigen Börse jedoch gemäß den Anpassungsvorschriften der zugehörigen Börse erforderlich wäre; in diesem Fall entscheidet die Emittentin nach billigem Ermessen (§ 315 BGB), ob dies der Fall ist, und nimmt entsprechende Anpassungen nach Maßgabe der Anpassungsvorschriften der zugehörigen Börse vor.
 - (ii) Falls Zweifel hinsichtlich der Anwendung der Anpassung der zugehörigen Börse oder der Anpassungsvorschriften der zugehörigen Börse bestehen oder es keine zugehörige Börse gibt, nimmt die Emittentin nach billigem Ermessen (§ 315 BGB) diejenigen Anpassungen der Wertpapierbedingungen vor, die erforderlich sind, damit das wirtschaftliche Profil der Wertpapiere vor Eintritt des außerordentlichen Ereignisses im Wesentlichen erhalten bleibt und dessen wirtschaftliche Auswirkung auf den Stand des Index angemessen berücksichtigt wird.
- (c) Bezugnahmen auf den Index und/oder den Indexsponsor in diesen Wertpapierbedingungen sind, soweit der Kontext dies zulässt, anschließend Bezugnahmen auf den Ersatzindex und/oder den Indexsponsor des Ersatzindex. Alle dazugehörigen Definitionen gelten als entsprechend geändert.
- (d) Anpassungen werden ab dem von der Emittentin nach billigem Ermessen (§ 315 BGB) bestimmten Tag (der "**Stichtag**") wirksam, mit der Maßgabe, dass (sofern die Emittentin berücksichtigt, wie Anpassungen von der zugehörigen Börse vorgenommen werden bzw. würden) die Emittentin den Tag, an dem diese Anpassungen bei der zugehörigen Börse wirksam werden bzw. würden, berücksichtigt.
- (e) Anpassungen sowie deren Stichtag werden von der Emittentin nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen mitgeteilt.

- (f) Eine Anpassung nach Maßgabe dieses § 5 (1) schließt eine anschließende Beendigung nach Maßgabe des nachstehenden § 7 (1) aufgrund des gleichen Ereignisses nicht aus.
2. Bei Eintritt einer Störung der Preisquelle bestimmt die Emittentin nach billigem Ermessen (§ 315 BGB) eine andere Preisquelle, die die für die Ermittlung des Referenzpreises erforderlichen Angaben bereitstellt (die "**Nachfolgepreisquelle**"), und ab dieser Bestimmung ist diese Nachfolgepreisquelle die relevante Preisquelle. Die Emittentin veröffentlicht umgehend die Nachfolgepreisquelle nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen.
 3. Sollte die Veröffentlichung der für die Ermittlung des Referenzpreises erforderlichen Angaben dauerhaft eingestellt werden, so bestimmt die Emittentin nach billigem Ermessen (§ 315 BGB) einen Ersatzbasiswert für die Ermittlung des Referenzpreises, um das wirtschaftliche Profil des Referenzpreises angemessen zu erhalten (der "**Ersatzbasiswert**"). Die Emittentin benachrichtigt umgehend die Wertpapierinhaber nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen darüber.
 4. Wird der Index nicht mehr vom Indexsponsor, sondern von einer anderen akzeptablen natürlichen oder juristischen Person oder Einrichtung als neuem Indexsponsor (der "**Nachfolgeindexsponsor**") berechnet und veröffentlicht, werden alle gemäß den Wertpapieren zu zahlenden Beträge auf Grundlage der Berechnung und Veröffentlichung des Index durch den Nachfolgeindexsponsor ermittelt und sind alle Bezugnahmen auf den Indexsponsor in diesen Wertpapierbedingungen, soweit der Kontext dies zulässt, anschließend Bezugnahmen auf den Nachfolgeindexsponsor. Die Emittentin entscheidet nach billigem Ermessen (§ 315 BGB), ob dies der Fall ist.
 5. Nimmt der Indexsponsor an oder nach dem Ausgabetag wirksam werdende wesentliche Änderungen des Index, einschließlich dessen Berechnungsmethode, vor, die sich auf eine Weise, die sich auf Grundlage der für den Index geltenden und vom Indexsponsor veröffentlichten Methodik nicht absehen ließ (die "**Indexänderung**"), ist die Emittentin berechtigt, die Berechnung und Veröffentlichung des Index auf Grundlage des früheren Konzepts des Index und seines zuletzt ermittelten Standes fortzuführen. Die Emittentin entscheidet nach billigem Ermessen (§ 315 BGB), ob eine Indexänderung erfolgt ist.
 6. Stellt die Emittentin zum Zeitpunkt oder vor der Ermittlung des Referenzzinssatzes an einem Raydius-Geschäftstag fest, dass der anfängliche Referenzzinssatz eingestellt wurde oder dauerhaft nicht mehr veröffentlicht wird und/oder ein Referenzwertereignis eingetreten ist ("**Referenzzinssatzereignis**"), verwendet die Emittentin einen Ersatz- oder Nachfolgebasiszinssatz, bezüglich dessen sie nach billigem Ermessen (§ 315 BGB) unter Hinzuziehung jeglicher von ihr als angemessen erachteten Quelle festgestellt hat, dass es sich bei diesem (a) um den in der Branche anerkannten Ersatz- oder Nachfolgebasiszinssatz handelt oder (b), falls es einen solchen in der Branche anerkannten Ersatz- oder Nachfolgebasiszinssatz nicht gibt, um einen Ersatz- oder Nachfolgebasiszinssatz handelt, der dem anfänglichen Referenzzinssatz am ehesten vergleichbar ist.

Nach der Auswahl eines Ersatz- oder Nachfolgebasiszinssatzes kann die Emittentin nach billigem Ermessen unter Hinzuziehung jeglicher von ihr als angemessen erachteten Quelle die Zinstageberechnungsmethode, die Geschäftstagekonvention, die Definition von Geschäftstag und jede andere relevante Methodik oder Definition zur Berechnung dieses Ersatz- oder Nachfolgebasiszinssatzes bestimmen, einschließlich jedes Anpassungsfaktors oder zusätzlichen Spreads, bezüglich dessen sie feststellt, dass er erforderlich ist, um den Ersatz- oder Nachfolgebasiszinssatz mit dem anfänglichen Referenzzinssatz in einer Weise vergleichbar zu machen, die mit in der Branche anerkannten Vorgehensweisen für einen solchen Ersatz- oder Nachfolgebasiszinssatz in Einklang steht.

Klarstellend wird darauf hingewiesen, dass das Vorstehende zusätzlich zu den anderen Bedingungen der Wertpapiere und unbeschadet der anderen Bedingungen der Wertpapiere gilt. Falls gemäß solchen Bedingungen andere Folgen in Bezug auf ein Ereignis oder einen Vorgang im Rahmen eines Referenzzinssatzereignisses gelten könnten, so entscheidet die Emittentin nach billigem Ermessen (§ 315 BGB), welche Bedingungen gelten.

7. Für die Zwecke von im Zusammenhang mit diesen Wertpapierbedingungen vorgenommenen Berechnungen entspricht ein Indexpunkt EUR 1,00.

Terminkontrakt

1. Bei Eintritt eines außerordentlichen Ereignisses, das sich wesentlich auf den Terminkontrakt bzw. den Referenzpreis auswirkt, nimmt die Emittentin diejenigen Anpassungen der Wertpapierbedingungen vor, die notwendig sind, damit nach Maßgabe der folgenden Bestimmungen die wirtschaftliche Auswirkung des außerordentlichen Ereignisses auf die Wertpapiere angemessen berücksichtigt wird und das wirtschaftliche Profil der Wertpapiere vor Eintritt des außerordentlichen Ereignisses im Wesentlichen erhalten bleibt (jeweils eine "**Anpassung**"). Die Emittentin entscheidet nach billigem Ermessen (§ 315 BGB), ob ein außerordentliches Ereignis eingetreten ist und ob dieses außerordentliche Ereignis eine wesentliche Auswirkung auf den Terminkontrakt bzw. den Referenzpreis hat.
2. Eine Anpassung kann Folgendes zur Folge haben:
 - (a) die Ersetzung des Terminkontrakts durch andere Terminkontrakte und/oder Bargeld und/oder einen sonstigen Ausgleich, jeweils wie in Bezug auf das jeweilige außerordentliche Ereignis vorgesehen (eine "**Ersetzung**"), und den Umstand, dass eine andere Börse als Börse bestimmt wird, und/oder
 - (b) Erhöhungen oder Verringerungen von bestimmten Variablen und Werten oder der gemäß den Wertpapieren zu zahlenden Beträge, unter Berücksichtigung:
 - (i) der Auswirkung eines außerordentlichen Ereignisses auf den Preis des Terminkontrakts oder
 - (ii) der wertverwässernden oder wertanreichernden Auswirkung eines außerordentlichen Ereignisses auf den theoretischen Wert des Terminkontrakts oder
 - (iii) eines Barausgleichs oder sonstigen Ausgleichs im Zusammenhang mit einer Ersetzung und/oder
 - (c) Folgeänderungen der den Terminkontrakt betreffenden Bestimmungen der Wertpapierbedingungen, die erforderlich sind, damit den Folgen der Ersetzung vollumfänglich Rechnung getragen wird.
3. Anpassungen sollten den von der Börse vorgenommenen Anpassungen des Terminkontrakts entsprechen (eine "**Börsenanpassung**").
 - (a) Insbesondere muss die Emittentin in den folgenden Fällen keine Anpassungen der Wertpapierbedingungen unter Bezugnahme auf Börsenanpassungen vornehmen:
 - (i) wenn die Börsenanpassungen zu wirtschaftlich unerheblichen Anpassungen der Wertpapierbedingungen führen würden; die Emittentin entscheidet nach billigem Ermessen (§ 315 BGB), ob dies der Fall ist;
 - (ii) wenn die Börsenanpassungen gegen die Grundsätze von Treu und Glauben verstoßen oder zu Anpassungen der Wertpapierbedingungen führen würden, die dem Grundsatz, dass das wirtschaftliche Profil der Wertpapiere vor Eintritt des außerordentlichen Ereignisses im

Wesentlichen erhalten bleiben soll und dessen wirtschaftliche Auswirkung auf den Preis des Terminkontrakts angemessen berücksichtigt werden soll, entgegenstehen; die Emittentin entscheidet nach billigem Ermessen (§ 315 BGB), ob dies der Fall ist; oder

- (iii) in Fällen, in denen keine Börsenanpassung erfolgt, eine Börsenanpassung jedoch gemäß den Anpassungsvorschriften der Börse erforderlich wäre; in diesem Fall entscheidet die Emittentin nach billigem Ermessen (§ 315 BGB), ob dies der Fall ist, und nimmt entsprechende Anpassungen nach Maßgabe der Anpassungsvorschriften der Börse vor.
 - (b) Falls Zweifel hinsichtlich der Anwendung der Börsenanpassung bestehen, nimmt die Emittentin nach billigem Ermessen (§ 315 BGB) diejenigen Anpassungen der Wertpapierbedingungen vor, die erforderlich sind, damit das wirtschaftliche Profil der Wertpapiere vor Eintritt des außerordentlichen Ereignisses im Wesentlichen erhalten bleibt und dessen wirtschaftliche Auswirkung auf den Preis des Terminkontrakts angemessen berücksichtigt wird.
4. Anpassungen werden ab dem von der Emittentin nach billigem Ermessen (§ 315 BGB) bestimmten Tag (der "**Stichtag**") wirksam, mit der Maßgabe, dass (sofern die Emittentin berücksichtigt, wie Anpassungen von der Börse vorgenommen werden bzw. würden) die Emittentin den Tag, an dem diese Anpassungen bei der Börse wirksam werden bzw. würden, berücksichtigt.
 5. Anpassungen sowie deren Stichtag werden von der Emittentin nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen mitgeteilt.
 6. Eine Anpassung nach Maßgabe dieses § 5 schließt eine anschließende Beendigung nach Maßgabe von § 7 (1) aufgrund des gleichen Ereignisses nicht aus.
 7. Bei Eintritt einer Störung der Preisquelle bestimmt die Emittentin nach billigem Ermessen (§ 315 BGB) eine andere Preisquelle, die die für die Ermittlung des Referenzpreises erforderlichen Angaben bereitstellt (die "**Nachfolgepreisquelle**"), und ab dieser Bestimmung ist diese Nachfolgepreisquelle die relevante Preisquelle. Die Emittentin veröffentlicht umgehend die Nachfolgepreisquelle nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen.
 8. Sollte die Veröffentlichung der für die Ermittlung des Referenzpreises erforderlichen Angaben dauerhaft eingestellt werden, so bestimmt die Emittentin nach billigem Ermessen (§ 315 BGB) einen Ersatzbasiswert für die Ermittlung des Referenzpreises, um das wirtschaftliche Profil des Referenzpreises angemessen zu erhalten (der "**Ersatzbasiswert**"). Die Emittentin benachrichtigt umgehend die Wertpapierinhaber nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen darüber.

Wechselkurs

1. Bei Eintritt eines außerordentlichen Ereignisses, das sich wesentlich auf den Wechselkurs bzw. den Referenzpreis auswirkt, nimmt die Emittentin diejenigen Anpassungen der Wertpapierbedingungen vor, die notwendig sind, damit nach Maßgabe der folgenden Bestimmungen die wirtschaftliche Auswirkung des außerordentlichen Ereignisses auf die Wertpapiere angemessen berücksichtigt wird und das wirtschaftliche Profil der Wertpapiere vor Eintritt des außerordentlichen Ereignisses im Wesentlichen erhalten bleibt (jeweils eine "**Anpassung**"). Die Emittentin entscheidet nach billigem Ermessen (§ 315 BGB), ob ein außerordentliches Ereignis eingetreten ist und ob dieses außerordentliche Ereignis eine wesentliche Auswirkung auf den Wechselkurs bzw. den Referenzpreis hat.
 - (a) Eine Anpassung kann Folgendes zur Folge haben:

- (i) die Definition des Wechselkurses bzw. des Referenzpreises wird angepasst und/oder
 - (ii) Erhöhungen oder Verringerungen von bestimmten Variablen und Werten oder der gemäß den Wertpapieren zu zahlenden Beträge, damit der Auswirkung eines außerordentlichen Ereignisses auf den Wechselkurs bzw. den Referenzpreis Rechnung getragen wird, und/oder
 - (iii) Folgeänderungen der den Wechselkurs betreffenden Bestimmungen der Wertpapierbedingungen, die erforderlich sind, damit den Folgen der Anpassung des Referenzpreises vollumfänglich Rechnung getragen wird.
- (b) Die Emittentin nimmt Anpassungen nach billigem Ermessen (§ 315 BGB) vor.
 - (c) Anpassungen werden ab dem von der Emittentin nach billigem Ermessen (§ 315 BGB) bestimmten Tag (der "**Stichtag**") wirksam, mit der Maßgabe, dass die Emittentin den Tag, an dem diese Anpassungen auf den globalen Devisenmärkten wirksam werden bzw. würden, berücksichtigt.
 - (d) Anpassungen sowie deren Stichtag werden von der Emittentin nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen mitgeteilt.
 - (e) Eine Anpassung nach Maßgabe dieses § 5 schließt eine anschließende Beendigung nach Maßgabe von § 7 (1) aufgrund des gleichen Ereignisses nicht aus.
2. Bei Eintritt einer Störung der Preisquelle bestimmt die Emittentin nach billigem Ermessen (§ 315 BGB) eine andere Preisquelle, die die für die Ermittlung des Referenzpreises erforderlichen Angaben bereitstellt (die "**Nachfolgepreisquelle**"), und ab dieser Bestimmung ist diese Nachfolgepreisquelle die relevante Preisquelle. Die Emittentin veröffentlicht umgehend die Nachfolgepreisquelle nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen.
 3. Sollte die Veröffentlichung der für die Ermittlung des Referenzpreises erforderlichen Angaben dauerhaft eingestellt werden, so bestimmt die Emittentin nach billigem Ermessen (§ 315 BGB) einen Ersatzbasiswert für die Ermittlung des Referenzpreises (der "**Ersatzbasiswert**"). Die Emittentin benachrichtigt umgehend die Wertpapierinhaber nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen darüber.
 4. Bei Eintritt einer Störung der Preisquelle am Bewertungstag und sofern die Emittentin keinen Ersatzbasiswert festgelegt hat, entspricht der Referenzpreis dem Wechselkurs als Basiswährung 1,00/Kurswährung, wie er tatsächlich auf dem internationalen Interbank-Kassamarkt am Bewertungstag um oder gegen 14:00 Uhr (Ortszeit Frankfurt) gehandelt wird.

Gold

1. Bei Eintritt eines außerordentlichen Ereignisses, das sich wesentlich auf Gold bzw. den Referenzpreis auswirkt, nimmt die Emittentin diejenigen Anpassungen der Wertpapierbedingungen vor, die notwendig sind, damit nach Maßgabe der folgenden Bestimmungen die wirtschaftliche Auswirkung des außerordentlichen Ereignisses auf die Wertpapiere angemessen berücksichtigt wird und das wirtschaftliche Profil der Wertpapiere vor Eintritt des außerordentlichen Ereignisses im Wesentlichen erhalten bleibt (jeweils eine "**Anpassung**"). Die Emittentin entscheidet nach billigem Ermessen (§ 315 BGB), ob ein außerordentliches Ereignis eingetreten ist und ob dieses außerordentliche Ereignis eine wesentliche Auswirkung auf Gold bzw. den Referenzpreis hat.
 - (a) Eine Anpassung kann Folgendes zur Folge haben:

- (i) die Definition von Gold bzw. des Referenzpreises wird angepasst und/oder
 - (ii) Erhöhungen oder Verringerungen von bestimmten Variablen und Werten oder der gemäß den Wertpapieren zu zahlenden Beträge, damit der Auswirkung eines außerordentlichen Ereignisses auf Gold bzw. den Referenzpreis Rechnung getragen wird, und/oder
 - (iii) Folgeänderungen der das Gold betreffenden Bestimmungen der Wertpapierbedingungen, die erforderlich sind, damit den Folgen der Anpassung des Referenzpreises vollumfänglich Rechnung getragen wird.
- (b) Die Emittentin nimmt Anpassungen nach billigem Ermessen (§ 315 BGB) vor.
- (c) Anpassungen werden ab dem von der Emittentin nach billigem Ermessen (§ 315 BGB) bestimmten Tag (der "**Stichtag**") wirksam, mit der Maßgabe, dass die Emittentin den Tag, an dem diese Anpassungen auf den globalen Devisen- und/oder Rohstoffmärkten wirksam werden bzw. würden, berücksichtigt.
- (d) Anpassungen sowie deren Stichtag werden von der Emittentin nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen mitgeteilt.
- (e) Eine Anpassung nach Maßgabe dieses § 5 schließt eine anschließende Beendigung nach Maßgabe von § 7 (1) aufgrund des gleichen Ereignisses nicht aus.
2. Bei Eintritt einer Störung der Preisquelle bestimmt die Emittentin nach billigem Ermessen (§ 315 BGB) eine andere Preisquelle, die die für die Ermittlung des Referenzpreises erforderlichen Angaben bereitstellt (die "**Nachfolgepreisquelle**"), und ab dieser Bestimmung ist diese Nachfolgepreisquelle die relevante Preisquelle. Die Emittentin veröffentlicht umgehend die Nachfolgepreisquelle nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen.
3. Sollte die Veröffentlichung der für die Ermittlung des Referenzpreises erforderlichen Angaben dauerhaft eingestellt werden, so bestimmt die Emittentin nach billigem Ermessen (§ 315 BGB) einen Ersatzbasiswert für die Ermittlung des Referenzpreises, um das wirtschaftliche Profil des Referenzpreises angemessen zu erhalten (der "**Ersatzbasiswert**"). Die Emittentin benachrichtigt umgehend die Wertpapierinhaber nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen darüber.
4. Stellt die Emittentin zum Zeitpunkt oder vor der Ermittlung des Referenzzinssatzes an einem Raydius-Geschäftstag fest, dass der anfängliche Referenzzinssatz eingestellt wurde oder dauerhaft nicht mehr veröffentlicht wird und/oder ein Referenzwertereignis eingetreten ist ("**Referenzzinssatzereignis**"), verwendet die Emittentin einen Ersatz- oder Nachfolgebasiszinssatz, bezüglich dessen sie nach billigem Ermessen (§ 315 BGB) unter Hinzuziehung jeglicher von ihr als angemessen erachteten Quelle festgestellt hat, dass es sich bei diesem (a) um den in der Branche anerkannten Ersatz- oder Nachfolgebasiszinssatz handelt oder (b), falls es einen solchen in der Branche anerkannten Ersatz- oder Nachfolgebasiszinssatz nicht gibt, um einen Ersatz- oder Nachfolgebasiszinssatz handelt, der dem anfänglichen Referenzzinssatz am ehesten vergleichbar ist.
- Nach der Auswahl eines Ersatz- oder Nachfolgebasiszinssatzes kann die Emittentin nach billigem Ermessen unter Hinzuziehung jeglicher von ihr als angemessen erachteten Quelle die Zinstageberechnungsmethode, die Geschäftstagekonvention, die Definition von Geschäftstag und jede andere relevante Methodik oder Definition zur Berechnung dieses Ersatz- oder Nachfolgebasiszinssatzes bestimmen, einschließlich jedes Anpassungsfaktors oder zusätzlichen Spreads, bezüglich dessen sie feststellt, dass er erforderlich ist, um den Ersatz- oder Nachfolgebasiszinssatz mit dem anfänglichen Referenzzinssatz in einer Weise vergleichbar zu machen, die mit

in der Branche anerkannten Vorgehensweisen für einen solchen Ersatz- oder Nachfolgebasiszinssatz in Einklang steht.

Klarstellend wird darauf hingewiesen, dass das Vorstehende zusätzlich zu den anderen Bedingungen der Wertpapiere und unbeschadet der anderen Bedingungen der Wertpapiere gilt. Falls gemäß solchen Bedingungen andere Folgen in Bezug auf ein Ereignis oder einen Vorgang im Rahmen eines Referenzzinssatzereignisses gelten könnten, so entscheidet die Emittentin nach billigem Ermessen (§ 315 BGB), welche Bedingungen gelten.

Kryptowährung

1. Bei Eintritt eines außerordentlichen Ereignisses, das sich wesentlich auf die Kryptowährung bzw. den Referenzpreis auswirkt, nimmt die Emittentin diejenigen Anpassungen der Wertpapierbedingungen vor, die notwendig sind, damit nach Maßgabe der folgenden Bestimmungen die wirtschaftliche Auswirkung des außerordentlichen Ereignisses auf die Wertpapiere angemessen berücksichtigt wird und das wirtschaftliche Profil der Wertpapiere vor Eintritt des außerordentlichen Ereignisses im Wesentlichen erhalten bleibt (jeweils eine "**Anpassung**"). Die Emittentin entscheidet nach billigem Ermessen (§ 315 BGB), ob ein außerordentliches Ereignis eingetreten ist und ob dieses außerordentliche Ereignis eine wesentliche Auswirkung auf die Kryptowährung bzw. den Referenzpreis hat.
 - (a) Eine Anpassung kann Folgendes zur Folge haben:
 - (i) die Definition der Kryptowährung bzw. des Referenzpreises wird angepasst und/oder
 - (ii) Erhöhungen oder Verringerungen von bestimmten Variablen und Werten oder der gemäß den Wertpapieren zu zahlenden Beträge, damit der Auswirkung eines außerordentlichen Ereignisses auf die Kryptowährung bzw. den Referenzpreis Rechnung getragen wird, und/oder
 - (iii) einen Barausgleich oder sonstigen Ausgleich im Zusammenhang mit einer Ersetzung und/oder
 - (iv) Folgeänderungen der die Kryptowährung betreffenden Bestimmungen der Wertpapierbedingungen, die erforderlich sind, damit den Folgen der Anpassung des Referenzpreises vollumfänglich Rechnung getragen wird.
 - (b) Die Emittentin nimmt Anpassungen nach billigem Ermessen (§ 315 BGB) vor.
 - (c) Bezugnahmen auf die Kryptowährung in diesen Wertpapierbedingungen sind, soweit der Kontext dies zulässt, anschließend Bezugnahmen auf die Ersatzkryptowährung. Alle dazugehörigen Definitionen gelten als entsprechend geändert.
 - (d) Anpassungen werden ab dem von der Emittentin nach billigem Ermessen (§ 315 BGB) bestimmten Tag (der "**Stichtag**") wirksam, mit der Maßgabe, dass die Emittentin den Tag, an dem diese Anpassungen auf den globalen Kryptowährungsmärkten wirksam werden bzw. würden, berücksichtigt.
 - (e) Anpassungen sowie deren Stichtag werden von der Emittentin nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen mitgeteilt.
 - (f) Eine Anpassung nach Maßgabe dieses § 5 schließt eine anschließende Beendigung nach Maßgabe des nachstehenden § 7 (1) aufgrund des gleichen Ereignisses nicht aus.
2. Bei Eintritt einer Störung der Preisquelle bestimmt die Emittentin nach billigem Ermessen (§ 315 BGB) eine andere Preisquelle, die die für die Ermittlung des Referenzpreises erforderlichen Angaben bereitstellt (die "**Nachfolgepreisquelle**"),

und ab dieser Bestimmung ist diese Nachfolgepreisquelle die relevante Preisquelle. Die Emittentin veröffentlicht umgehend die Nachfolgepreisquelle nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen.

3. Sollte die Veröffentlichung der für die Ermittlung des Referenzpreises erforderlichen Angaben dauerhaft eingestellt werden, so bestimmt die Emittentin nach billigem Ermessen (§ 315 BGB) einen Ersatzbasiswert für die Ermittlung des Referenzpreises, um das wirtschaftliche Profil des Referenzpreises angemessen zu erhalten (der "**Ersatzbasiswert**"). Die Emittentin benachrichtigt umgehend die Wertpapierinhaber nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen darüber.

§ 6 (VERSCHIEBUNGEN)

Aktie 1. Wenn es am Bewertungstag keinen Referenzpreis gibt oder am Bewertungstag ein Marktstörungsereignis eintritt, so wird der Bewertungstag auf den nächstfolgenden Börsengeschäftstag, an dem es einen Referenzpreis gibt und keine Marktstörungsereignis eintritt, verschoben.

2. Wird der Bewertungstag gemäß dem Vorstehenden um [10][●] aufeinanderfolgende Börsengeschäftstage (wie ursprünglich geplant) verschoben und gibt es an diesem Tag ebenfalls keinen Referenzpreis oder tritt an diesem Tag ebenfalls ein Marktstörungsereignis ein, so gilt dieser Tag als Bewertungstag und die Emittentin schätzt den Referenzpreis der Aktie unter Berücksichtigung der an diesem Tag vorherrschenden Marktbedingungen nach billigem Ermessen (§ 315 BGB) und informiert nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen darüber.

Index 1. Wenn am Bewertungstag oder einem anderen Tag, an dem eine Feststellung seitens der Emittentin gemäß den Wertpapierbedingungen erforderlich ist, (i) der Bewertungstag kein Indexgeschäftstag ist oder (ii) ein Marktstörungsereignis eintritt, so wird der Bewertungstag auf den nächstfolgenden Indexgeschäftstag, an dem das Marktstörungsereignis nicht länger besteht, verschoben.

2. Wurde an einem Raydius-Geschäftstag der Bewertungstag nach Maßgabe von § 6(1) oben um [10][●] aufeinanderfolgende Raydius-Geschäftstage verschoben und ist dieser Tag kein Indexgeschäftstag (wie ursprünglich geplant) und ein Marktstörungsereignis tritt ein, so ist dieser Tag der Bewertungstag und die Emittentin schätzt den Referenzpreis des Index unter Berücksichtigung der an diesem Tag vorherrschenden Marktbedingungen nach billigem Ermessen (§ 315 BGB) und benachrichtigt die Wertpapierinhaber entsprechend nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen.

Terminkontrakt 1. Wenn am Bewertungstag oder einem anderen Tag, an dem eine Feststellung seitens der Emittentin gemäß den Wertpapierbedingungen erforderlich ist, (i) der Bewertungstag kein Börsengeschäftstag ist oder (ii) eine Handelsstörung eintritt, so wird der Bewertungstag auf den nächstfolgenden Börsengeschäftstag, an dem die Handelsstörung nicht länger besteht, verschoben.

2. Wurde an einem Raydius-Geschäftstag der Bewertungstag nach Maßgabe von § 6(1) oben um [10][●] aufeinanderfolgende Raydius-Geschäftstage verschoben und ist dieser Tag kein Börsengeschäftstag (wie ursprünglich geplant) und eine Handelsstörung tritt ein, so ist dieser Tag der Bewertungstag und die Emittentin schätzt den Referenzpreis des Terminkontrakts unter Berücksichtigung der an

diesem Tag vorherrschenden Marktbedingungen nach billigem Ermessen (§ 315 BGB) und benachrichtigt die Wertpapierinhaber entsprechend nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen.

- Gold
1. Wenn am Bewertungstag oder einem anderen Tag, an dem eine Feststellung seitens der Emittentin gemäß den Wertpapierbedingungen erforderlich ist, (i) der Bewertungstag kein Goldgeschäftstag ist oder (ii) eine Störung der Preisquelle eintritt, so wird der Bewertungstag auf den nächstfolgenden Goldgeschäftstag, an dem die Störung der Preisquelle nicht länger besteht, verschoben.
 2. Wurde an einem Raydius-Geschäftstag der Bewertungstag nach Maßgabe von § 6(1) oben um [10][●] aufeinanderfolgende Raydius-Geschäftstage verschoben und ist dieser Tag kein Goldgeschäftstag (wie ursprünglich geplant) und eine Störung der Preisquelle tritt ein, so ist dieser Tag der Bewertungstag und die Emittentin schätzt den Referenzpreis für Gold unter Berücksichtigung der an diesem Tag vorherrschenden Marktbedingungen nach billigem Ermessen (§ 315 BGB) und benachrichtigt die Wertpapierinhaber entsprechend nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen.

- Wechselkurs
1. Wenn am Bewertungstag oder einem anderen Tag, an dem eine Feststellung seitens der Emittentin gemäß den Wertpapierbedingungen erforderlich ist, (i) der Bewertungstag kein Wechselkursgeschäftstag ist oder (ii) eine Störung der Preisquelle eintritt, so wird der Bewertungstag auf den nächstfolgenden Wechselkursgeschäftstag, an dem die Störung der Preisquelle nicht länger besteht, verschoben.
 2. Wurde an einem Raydius-Geschäftstag der Bewertungstag nach Maßgabe von § 6(1) oben um [10][●] aufeinanderfolgende Raydius-Geschäftstage verschoben und ist dieser Tag kein Wechselkursgeschäftstag (wie ursprünglich geplant) und eine Störung der Preisquelle tritt ein, so ist dieser Tag der Bewertungstag und die Emittentin schätzt den Referenzpreis für den Wechselkurs unter Berücksichtigung der an diesem Tag vorherrschenden Marktbedingungen nach billigem Ermessen (§ 315 BGB) und benachrichtigt die Wertpapierinhaber entsprechend nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen.

- Kryptowährung
1. Wenn am Bewertungstag oder einem anderen Tag, an dem eine Feststellung seitens der Emittentin gemäß den Wertpapierbedingungen erforderlich ist, (i) der Bewertungstag kein Börsengeschäftstag ist oder (ii) eine Handelsstörung und/oder eine Störung der Preisquelle eintritt, so wird der Bewertungstag auf den nächstfolgenden Börsengeschäftstag, an dem die Handelsstörung und/oder die Störung der Preisquelle nicht länger besteht, verschoben.
 2. Wurde an einem Raydius-Geschäftstag der Bewertungstag nach Maßgabe von § 6(1) oben um [10][●] aufeinanderfolgende Raydius-Geschäftstage verschoben und ist dieser Tag kein Börsengeschäftstag (wie ursprünglich geplant) und eine Handelsstörung und/oder eine Störung der Preisquelle tritt ein, so ist dieser Tag der Bewertungstag und die Emittentin schätzt den Referenzpreis für die Kryptowährung unter Berücksichtigung der an diesem Tag vorherrschenden Marktbedingungen nach billigem Ermessen (§ 315 BGB) und benachrichtigt die Wertpapierinhaber entsprechend nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen.

§ 7 (AUßERORDENTLICHE BEENDIGUNG DURCH DIE EMITTENTIN)

1. Bei Eintritt eines außerordentlichen Ereignisses kann sich die Emittentin aus freien Stücken zu einer außerordentlichen Beendigung der Wertpapiere anstelle einer Anpassung entschließen. Falls mit einer Anpassung nicht ausreichend gewährleistet wäre, dass das wirtschaftliche Profil der Wertpapiere vor Eintritt des außerordentlichen Ereignisses im Wesentlichen erhalten bleibt, erfolgt die außerordentliche Beendigung der Wertpapiere durch die Emittentin; die Emittentin entscheidet nach billigem Ermessen (§ 315 BGB), ob dies der Fall ist.
2. Sind die Emittentin und/oder ihre verbundenen Unternehmen – auch nach wirtschaftlich vertretbaren Anstrengungen – nicht in der Lage, (i) Absicherungsgeschäfte abzuschließen, erneut abzuschließen, zu ersetzen, aufrechtzuerhalten, glattzustellen, zu erwerben oder zu veräußern oder (ii) den Erlös aus Absicherungsgeschäften zu erzielen, wiederzuerlangen oder zu übertragen (die "**Absicherungsstörung**"), kann sich die Emittentin aus freien Stücken zu einer außerordentlichen Beendigung der Wertpapiere entschließen. Die Emittentin entscheidet nach billigem Ermessen (§ 315 BGB), ob eine Absicherungsstörung eingetreten ist.
3. Die Emittentin kann sich zur außerordentlichen Beendigung der Wertpapiere entschließen, wenn (i) es aufgrund der Verabschiedung oder Änderung von anwendbaren Gesetzen oder Vorschriften (u. a. von Steuergesetzen) oder (ii) aufgrund der Verkündung durch zuständige Gerichte bzw. sonstige rechtsprechende Stellen oder Regulierungsbehörden (u. a. Steuerbehörden) bzw. einer Änderung von deren Auslegung (A) rechtswidrig geworden ist, [Aktien][Indexbestandteile][,][oder] [den Terminkontrakt][,][oder] [eine der Währungen, auf denen der Wechselkurs basiert][,][oder] [Gold][,][oder] [die Kryptowährung] zu halten, zu erwerben oder zu veräußern oder (B) der Emittentin aufgrund der Erfüllung ihrer Verpflichtung aus den Wertpapieren wesentlich erhöhte Kosten entstehen werden (u. a. aufgrund einer Erhöhung der Steuerschuld, Verringerung der Steuervorteile, der Verpflichtung zur Einbehaltung von Steuern oder einer sonstigen nachteiligen Auswirkung auf ihre Steuersituation) (die "**Gesetzesänderung**"). Die Emittentin entscheidet nach billigem Ermessen (§ 315 BGB), ob eine Gesetzesänderung eingetreten ist.
4. Eine außerordentliche Beendigung der Wertpapiere wird von der Emittentin nach Maßgabe von § 3 (*Bekanntmachungen*) der allgemeinen Bedingungen innerhalb von [vierzehn (14)][●] Zahlungsgeschäftstagen nach Eintritt des jeweiligen Ereignisses mitgeteilt (die "**außerordentliche Beendigungsmitteilung**"). In der außerordentlichen Beendigungsmitteilung wird nach Maßgabe der folgenden Bestimmungen ein Zahlungsgeschäftstag genannt, zu dem die außerordentliche Beendigung wirksam wird (der "**außerordentliche Beendigungstermin**"). Dieser außerordentliche Beendigungstermin folgt spätestens [sieben (7)][●] Zahlungsgeschäftstage auf die Veröffentlichung der außerordentlichen Beendigungsmitteilung.
5. Wird die Rückzahlung der Wertpapiere verlangt, erfolgt diese zu einem Betrag je Wertpapier, der deren Marktwert, abzüglich Aufwendungen, die der Emittentin tatsächlich im Rahmen von zur Auflösung der Absicherungsgeschäfte notwendigen Transaktionen entstanden sind, entspricht (der "**außerordentliche Beendigungsbetrag**"). Die Emittentin berechnet den außerordentlichen Beendigungsbetrag unter Berücksichtigung der vorherrschenden Marktbedingungen und etwaiger von der Emittentin und/oder ihren verbundenen Unternehmen im Zusammenhang mit Absicherungsgeschäften erzielter Erlöse nach billigem Ermessen (§ 315 BGB).

6. Die Emittentin zahlt den Wertpapierinhabern spätestens am [10.][●] Zahlungsgeschäftstag nach dem außerordentlichen Beendigungstermin den außerordentlichen Beendigungsbetrag.

§ 8 (BEENDIGUNG DURCH DIE WERTPAPIERINHABER)

1. Die Wertpapierinhaber sind nicht zur ordentlichen Beendigung der Wertpapiere berechtigt.
2. Die Wertpapierinhaber sind bei Eintritt einer wesentlichen Verschlechterung der Finanzlage der Emittentin zu einer außerordentlichen Beendigung der Wertpapiere berechtigt.

**Anhang zu den Wertpapierbedingungen
Produktadatentabelle**

[Bei auf Aktien bezogenen Long Wertpapieren oder Short Wertpapieren einfügen:]

ISIN [/] [WKN] [/] [Common Code] [/] [Kennnummer]	Basiswert	Art	Preisquelle	Börse	Basiswertwährung	Bezugsverhältnis	[anfängliche Knock-out-Barrieren]	[anfänglicher Knock-out-Puffer]	[Ausübungstag] [Fälligkeitstag]	[Ausübungszahl]	Referenzpreis	Referenzzinssatz	Quelle des Referenzzinssatzes	Section 871(m)	Quantumrechnung	[[anfänglich] Basispreis]
[•]	[Bezeichnung einfügen]	[Long] [Short]	[Website oder Bildschirmseite einfügen]	[Börse einfügen]	[Währung einfügen]	[•]	[•]	[•]	[•]	[•]	[•][der zuletzt ermittelte und von der Börse an einem maßgeblichen Börsengeschäftstag veröffentlichte Kurs der Aktie]	[marktüblichen Finanzierungssatz einfügen]	[Website oder Bildschirmseite einfügen]	[Anwendbar] [Nichtanwendbar]	[Anwendbar] [Nichtanwendbar]	[•]

]

[Bei auf Indizes bezogenen Long Wertpapieren oder Short Wertpapieren einfügen:]

ISIN [/] [WKN] [/] [Common Code] [/] [Kennnummer]	Basiswert	Art	Indexsponsor	Preisquelle	Basiswertwährung	Bezugsverhältnis	[anfängliche Knock-out-Barriere]	[anfänglicher Knock-out-Puffer]	[Ausübungstag][Fälligkeitstag]	[Ausübungszahl]	Referenzzinssatz	Quelle des Referenzzinssatzes	Section 871(m)	Quantumrechnung	[[anfänglicher] Basispreis]
[•]	[Bezeichnung einfügen]	[Long] [Short]	[Bezeichnung einfügen]	[Website oder Bildschirmseite einfügen]	[Währung einfügen]	[•]	[•]	[•]	[•]	[•]	[marktübliche Finanzierungssatz einfügen]	[Website oder Bildschirmseite einfügen]	[Anwendbar] [Nicht anwendbar]	[Anwendbar] [Nicht anwendbar]	[•]

]

[Bei auf Terminkontrakte bezogenen Long Wertpapieren oder Short Wertpapieren einfügen:]

ISIN [/] [WKN] [/] [Common Code] [/] [Kennnummer]	Basiswert	Art	Preisquelle	Basiswährung	Bezugsverhältnis	Börse	[anfängliche Knock-out-Barriere]	[anfänglicher Knock-out-Puffer]	[Ausübungstag] [Fälligkeitstag]	[Ausübungszahl]	Section 871(m)	Quanto-Umrechnung	[[anfänglicher] Basispreis]
[•]	[Bezeichnung einfügen] an der Börse [mit Liefermonat [Monat], [Jahr] (Verfalltag: [Verfalltag])]	[Long] [Short]	[Website oder Bildschirmseite einfügen]	[Währung einfügen]	[•]	[Börse einfügen]	[•]	[•]	[•]	[•]	[Anwendbar] [Nicht anwendbar]	[Anwendbar] [Nicht anwendbar]	[•]

]

[Bei auf Wechselkurse bezogenen Long Wertpapieren oder Short Wertpapieren einfügen:]

ISIN [/] [WKN] [/] [Common Code] [/] [Kennnummer]	Basis- währung/Kurswährung	Art	Preisquelle	Bezugs- verhältnis	[anfängliche Knock-out- Barriere	[anfänglicher Knock-out- Puffer]	[Aus- übungstag] [Fälligkeitstag]	[Ausübungs- zahl]	Referenz- betrag	Preis- quelle des Referenz- betrags	Quanto- Umrechnung	[[anfänglicher] Basispreis
[•]	[Basiswährung einfügen]/[Kurswährung einfügen]	[Long] [Short]	[Website oder Bildschirmseite einfügen]	[•]	[•]	[•]	[•]	[•]	[Betrag einfügen]	[•]	[Anwendbar] [Nicht anwendbar]	[•]

]

[Bei auf Gold bezogenen Long Wertpapieren oder Short Wertpapieren einfügen:]

ISIN [/] [WKN] [/] [Common Code] [/] [Kennnummer]	Basiswert	Art	Basiswert- währung	Bezugs- verhältnis	Preisquelle	[anfänglich e Knock- out-Barriere	[anfäng- licher Knock- out- Puffer]	[Ausübungs tag] [Fälligkeits- tag]	[Ausübungs -zahl]	Referenz- zinssatz	Quelle des Referenz- zinssatzes	Quanto- Umrechnung	[[anfänglicher] Basispreis
[●]	[Kurs einfügen]	[Long] [Short]	[Währung einfügen]	[●]	[Website oder Bildschirmseit e einfügen]	[●]	[●]	[●]	[●]	[marktüblichen Finanzierungssatz einfügen]	[●]	[Anwendbar] [Nicht anwendbar]	[●]

]

[Bei auf Kryptowährungen bezogenen Long Wertpapieren oder Short Wertpapieren einfügen:]

ISIN [/] [WKN] [/] [Common Code] [/] [Kennnummer]	[Identifizierungsc ode der Kryptowährung einfügen]	Krypto- währung	Basisw ertwäh rung	Art	Börse[n]	Preis- quelle	Bezugs- verhältn is	[anfänglic he Knock- out- Barriere	[anfän glicher Knock- out- Puffer]	[Aus- übungstag] [Fälligkeitst ag]	[Ausüb ungszah l]	Quanto- Umrechnu ng	[[anfängl icher] Basisprei s
[•]	[•]	[Bitcoin (BTC)][Eth ereum (ETH)][Rip ple (XRP)]	[•]	[Long] [Shor t]	[Bezeich nungen aller maßgebl ichen Börsen einfügen]	[Website oder Bildschir mseite einfügen]	[•]	[•]	[•]	[•]	[•]	[Anwendbar] [Nicht anwendbar]	[•]

12 Annex 1: The financial information on Market Data Limited for the years ended 31 May 2018 and 31 May 2019 (the "MDL Financial Information")

PART A: The MDL Financial Information, with unaudited comparatives for the year ended 31 May 2017

12.1 MDL Income Statement

		Year ended 31 May 2019	Year ended 31 May 2018	Year ended 31 May 2017 (unaudited)
	Note	£000	£000	£000
Revenue		11,804	14,393	14,453
Cost of sales		(10,051)	(10,909)	(9,214)
Gross profit		1,753	3,484	5,239
Operating expenses	4	(1,354)	(6,636)	(4,254)
Operating profit/(loss)		399	(3,152)	985
Finance income	6	647	661	1,097
Finance costs	7	(3,502)	(4,010)	(3,843)
Income from participating interests	9	192,000	595,000	8,304
Profit before taxation		189,544	588,499	6,543
Tax on profit	8	(3)	-	3
Profit for the year		189,541	588,499	6,546

All of Market Data Limited's (MDL's) revenue and profit relate to continuing operations. MDL has no items of other comprehensive income.

12.2 MDL Statement of Financial Position

		31 May 2019	31 May 2018	31 May 2017 (unaudited)
	Note	£000	£000	£000
Assets				
Non-current assets				
Intangible assets	11	-	-	532
Property, plant and equipment	10	-	4	9
Investment in subsidiaries	12	806,745	784,828	773,003
Deferred income tax assets	8	1	1	1
Total non-current assets		806,746	784,833	773,545
Current assets				
Prepayments		539	337	951
Other receivables	13	20,651	20,713	19,433
Cash and cash equivalents		1,451	269	749
Total current assets		22,641	21,319	21,133
TOTAL ASSETS		829,387	806,152	794,678
Liabilities				
Current liabilities				
Other payables	14	427,976	424,851	756,876
Total liabilities		427,976	424,851	756,876
Equity				
Share capital	16	793	-	-
Share premium	16	25,083	25,083	25,083
Retained earnings		375,535	356,218	12,719
Total equity		401,411	381,301	37,802
TOTAL EQUITY AND LIABILITIES		829,387	806,152	794,678

12.3 MDL Statement of Changes in Equity

	Share capital £000	Share premium £000	Retained earnings £000	Total equity £000
At 1 June 2016 (unaudited)	-	25,083	10,683	35,766
Profit for the year (unaudited)	-	-	6,546	6,546
Equity dividends paid (unaudited)	-	-	(4,510)	(4,510)
At 31 May 2017 (unaudited)	-	25,083	12,719	37,802
Profit for the year	-	-	588,499	588,499
Equity dividends paid	-	-	(245,000)	(245,000)
At 31 May 2018	-	25,083	356,218	381,301
Profit for the year	-	-	189,541	189,541
Issue of share capital	793	-	-	793
Equity dividends paid	-	-	(170,224)	(170,224)
At 31 May 2019	793	25,083	375,535	401,411

12.4 MDL Cash flow statement

		Year ended 31 May 2019	Year ended 31 May 2018	Year ended 31 May 2017 (unaudited) Restated
	Notes	£000	£000	£000
Operating activities				
Operating profit/(loss)		399	(3,152)	985
Adjustments to reconcile operating profit/(loss) to net cash flow from operating activities				
Impairment of investments	12	-	4,302	-
Impairment of intangible assets	11	-	532	-
Depreciation and amortisation	10, 11	4	5	92
Decrease/(increase) in prepayments and other receivables		505	(12)	4,449
Increase/(decrease) in other payables		1,360	(851)	(16,678)
Cash generated from/(used in) operations		2,268	824	(11,152)
Investing activities				
Dividend received		128,000	-	4,510
Investment in subsidiaries	12	(21,917)	(16,127)	(34,004)
Interest received		5	15	-
Purchase of property, plant and equipment	10	-	-	(13)
Net cash generated from/(used in) investing activities		106,088	(16,112)	(29,507)
Financing activities				
Equity dividend paid		(128,000)	-	(4,510)
Borrowings from other group companies	9	20,033	14,808	45,849
Proceeds from the issue of shares	16	793	-	-
Net cash (used in)/generated from financing activities		(107,174)	14,808	41,339
Net increase in cash and cash equivalents		1,182	(480)	680
Cash and cash equivalents at the beginning of the year		269	749	69
Cash and cash equivalents at the end of the year		1,451	269	749

See note 2 for details of restatement as a result of reclassification of cash flows.

12.5 Notes

1. Status and activities

(a) Legal status

MDL is a private company limited by shares and is incorporated and domiciled in England and Wales. The registered address of MDL is Cannon Bridge House, 25 Dowgate Hill, London, EC4R 2YA.

(b) Principal activities

The principal activities of MDL are:

- to contract for and redistribute market data to other entities within the IG Group; and
- to act as a holding company for operating entities of the IG Group, providing equity and debt capital to its subsidiaries

(c) Ultimate parent undertaking and controlling party

The immediate parent undertaking is IG Group Limited.

The ultimate parent undertaking and controlling party is IG Group Holdings plc, a company incorporated in the United Kingdom. IG Group Holdings plc is the parent undertaking of the largest group of undertakings to consolidate these financial statements at 31 May 2019. The consolidated financial statements of IG Group Holdings plc are available from Cannon Bridge House, 25 Dowgate Hill, London, EC4R 2YA. References to "the IG Group" are to IG Group Holdings plc together with all of its subsidiary undertakings.

2. Basis of preparation

This MDL Financial Information, which has been prepared specifically for the purposes of this document, sets out the statement of financial position as at 31 May 2017, 31 May 2018 and 31 May 2019 and the results of operations and cash flows for each of the three years then ended of MDL and has been prepared in accordance with the requirements of the Prospectus Directive regulations.

The MDL Financial Information has been prepared in accordance with International Financial Reporting Standards as adopted by the European Union (EU). The MDL Financial Information has been prepared under the historical cost convention. The principal accounting policies adopted by MDL are set out in note 3 and have been consistently applied to all years presented unless otherwise stated. The financial information are presented in Sterling.

Restatement of cash flow statement

For the year ended 31 May 2017, MDL has reclassified cash flows related to borrowings from other group companies of £45,849,000 from increase/(decrease) in other payables within cash generated from/(used in) operations to net cash (used in)/generated from financing activities. This reclassification does not affect the statement of financial position and as such no opening statement of financial position is presented.

3. Accounting policies

Critical accounting estimates and judgements

The preparation of Financial Information requires management to make estimates and assumptions that affect the amounts reported for assets and liabilities as at the Statement of Financial Position date and the amounts reported for revenues and expenses during the years. The nature of estimates means that actual outcomes could differ from those estimates.

In the Directors of MDL's opinion there were no accounting estimates or judgements that could have a significant impact on the Financial Information.

New accounting standards and interpretations - standards and amendments adopted during the year ended 31 May 2019

(1) IFRS 9 – Financial instruments

Impact on the Financial Information

MDL has applied IFRS 9 Financial Instruments (as revised in July 2014) and the related consequential amendments to other IFRS Standards that are effective from periods that commence on or after 1 January 2018.

MDL's balances that are within the scope of IFRS 9 are Cash and cash equivalents and Other receivables. IFRS 9 introduced new requirements for the classification and measurement of financial assets; impairment of financial assets, and general hedge accounting.

Classification and measurement of financial assets: Financial assets that are within the scope of IFRS 9 are required to be measured at amortised cost, fair value through profit and loss or fair value through other comprehensive income. Classification is based on the entity's business model for managing the financial assets and the contractual cash flow characteristics of the financial assets. Rules relating to the classification and measurement of financial liabilities, and for derecognition of assets and liabilities in IFRS 9 are broadly unchanged from those in IAS 39.

Impairment: IFRS 9 replaces the 'incurred loss' approach of IAS 39 with an 'expected credit loss' approach. MDL is required to recognise an expected credit loss on financial assets. The expected credit loss approach requires MDL to account for expected credit losses at initial recognition, and to account for changes in the expected credit losses at each reporting date to reflect changes in credit risk since initial recognition. It is no longer necessary for a credit loss event to have occurred before credit losses are recognised.

MDL does not undertake any hedge accounting so this change had no impact on the Financial Information for the year ended 31 May 2019.

Impact of adoption

MDL adopted IFRS 9 with effect from 1 June 2018 and in accordance with the transition requirements of IFRS 9 MDL has not restated comparative information for the year ended 31 May 2018 or the year ended 31 May 2017. Adoption of IFRS 9 has had an impact on the classification of financial instruments. It has not had a material impact on impairment.

Reclassification: On transition to IFRS 9 MDL assessed its business models to determine the appropriate classifications. MDL's business model is to hold and collect. Adoption of IFRS has resulted in the following reclassifications:

- Other receivables and cash and cash equivalents were classified as loans and receivables under IAS 39. These financial assets have been reclassified as financial assets measured at amortised cost.
- There were no financial assets or financial liabilities which MDL has elected to designate as at fair value through profit and loss at the date of initial application of IFRS 9.

The reclassifications did not result in a change of measurement of the financial assets.

Impairment: there was no material impact on MDL's loss allowances arising from the adoption of IFRS 9.

(2) IFRS 15 Revenue from Contracts with Customers

MDL has adopted IFRS 15 Revenue from Contracts with Customers with effect from 1 June 2018 for the period ended 31 May 2019. MDL has taken into consideration the following points when assessing whether, and to what extent, IFRS 15 adoption would have had an impact on MDL's accounting:

- Additional performance obligations recognised in contracts with customers
- Changes in timing of recognition of revenue
- Variable consideration
- Significant financing components
- Presentation of contract asset and liability balances
- Capitalisation of costs previously expensed

MDL derives its revenue from fees charged to other IG Group companies for market data feeds. MDL has reviewed this revenue generating model for potential impact and concluded that the recognition policy is compliant with IFRS 15.

There is no change in MDL's accounting policies from the adoption of IFRS 15, no impact on the timing and method of revenue recognition and no material impact on the Financial Information of MDL.

Going concern

The MDL Directors have prepared the Financial Information on a going concern basis which requires the MDL Directors to have a reasonable expectation that MDL has adequate resources to continue in operational existence for the foreseeable future.

Parent company and IG Group financial statements

The parent company throughout the year was IG Group Limited, a wholly owned subsidiary of the ultimate parent company, IG Group Holdings plc.

The financial statements of IG Group Holdings plc and its subsidiary companies, which include the results of MDL, may be obtained from Cannon Bridge House, 25 Dowgate Hill, London EC4R 2YA. The IG Group financial statements were prepared in accordance with International Financial Reporting Standards (IFRS) as adopted by the EU.

Foreign currencies

MDL's functional currency is Sterling. Transactions in foreign currencies are translated into the functional currency at the rate prevailing on the date of the transaction. Monetary assets and liabilities denominated in foreign currencies are retranslated at the rate of exchange prevailing at the Statement of Financial Position date. Non-monetary assets and liabilities carried at fair value that are denominated in foreign currencies are translated at the rates prevailing at the date when the fair value was determined. Gains and losses arising on translation are taken to the income statement.

Revenue recognition

The principal activities of MDL are to contract for and redistribute market data and also to act as a holding company. The redistribution of market data is provided on an ongoing basis as data feeds are provided to MDL's subsidiaries while prices are live from external providers.

Revenue represents charges made to subsidiaries based in the UK for the provision of market data and is recognised monthly for the data feeds provided in that month. The revenue is calculated as a fixed mark up of MDL's costs of procuring the market data feeds from external providers. Invoicing and payment terms are agreed separately between MDL and its subsidiaries with settlements being made periodically to ensure MDL has sufficient cash and cash equivalents available to meet its obligations to external data providers as they fall due.

Finance income and costs

The interest income and costs recognised in the income statement are accrued on a time basis by reference to the principal amount, charged at the effective interest rate applicable.

Dividends

Dividend distribution to MDL's shareholder is recognised as a liability in MDL's Financial Information in the period in which the dividends are paid or are satisfied with an obligation to IG Group companies.

Dividend income is recognised when the shareholder's right to receive the payment is established.

Taxation

The income tax expense represents the sum of tax currently payable and movements in deferred tax.

The tax currently payable is based on taxable profit for the year. Taxable profit differs from net profit as reported in the income statement because it excludes items of income or expense that are taxable or deductible in other years and items that are never taxable or deductible. MDL's liability for current tax is calculated using tax rates that have been enacted or substantively enacted by the statement of financial position date.

Deferred tax is accounted for on all temporary differences between the carrying amount of assets and liabilities in the Financial Information and the corresponding tax basis used in the computation of taxable profit. In principle, deferred tax liabilities are recognised for all temporary differences and deferred tax assets are recognised to the extent that it is probable that taxable profits will be available, against which deductible temporary differences may be utilised.

Deferred tax liabilities are recognised for taxable temporary differences arising on investments in subsidiaries and associates, except where MDL is able to control the reversal of the temporary difference and it is probable that the temporary difference will not reverse in the foreseeable future.

The carrying amount of deferred tax assets is reviewed at each statement of financial position date and reduced to the extent that it is no longer probable that sufficient taxable profits will be available to allow all or part of the asset to be recovered.

Deferred tax assets and liabilities are measured on an undiscounted basis at the tax rates that are expected to apply when the related asset is realised or liability is settled, based on tax rates and laws enacted or substantively enacted at the year-end date. Deferred tax is charged or credited in the income statement, except when it relates to items credited or charged directly to equity, in which case the deferred tax is also dealt with in equity.

Deferred tax assets and liabilities are offset when they relate to income taxes levied by the same taxation authority and MDL intends to settle its current tax assets and liabilities on a net basis.

Property, plant and equipment

Property, plant and equipment are stated at cost less accumulated depreciation and accumulated impairment losses. Cost comprises the aggregate amount paid and the fair value of any other consideration given to acquire the asset and includes costs directly attributable to making the asset capable of operating as intended.

Depreciation is provided on all property, plant and equipment at rates calculated to write off the cost, less estimated residual value based upon estimated useful lives. Estimated residual value and useful lives are reviewed on an annual basis and residual values are based on prices prevailing at the statement of financial position date. Depreciation is charged on a straight-line basis over the expected useful lives as follows:

- Computer and other equipment - over 2, 3 or 5 years

The carrying values of property, plant and equipment are reviewed for impairment when events or changes in circumstances indicate the carrying value may not be recoverable, and are written down immediately to their recoverable amount.

An item of property, plant and equipment is derecognised upon disposal or when no future economic benefits are expected to arise from the continued use of the asset. The gain or loss arising on derecognition of an asset is determined as the difference between the sale proceeds and the carrying amount of the asset and is included in the income statement in the period of derecognition.

Intangible assets

Intangible assets are carried at cost less accumulated amortisation and accumulated impairment losses.

Intangible assets acquired separately from a business are carried initially at cost. An intangible asset acquired as part of a business combination such as a trade name or customer relationship is recognised outside goodwill if the asset is separable or arises from contractual or other legal rights and its fair value can be measured reliably. Expenditure on internally developed intangible assets, excluding development costs, is taken to the income statement in the year in which it is incurred.

Following initial recognition, intangible assets are carried at cost less accumulated amortisation and accumulated impairment losses.

Intangible assets with a finite life are amortised on a straight line basis over their expected useful lives, as follows:

- Software and licences - straight-line basis over the contract term of up to 5 years

The carrying value of intangible assets is reviewed for impairment whenever events or changes in circumstances indicate the carrying value may not be recoverable.

Impairment of non-financial assets

When impairment testing is required, the MDL Directors review the carrying amounts of MDL's property, plant and equipment, intangible assets and investments in subsidiaries to determine whether there is any indication that those assets have suffered an impairment loss. If any such indication exists, the recoverable amount of the asset is estimated in order to determine the extent of the impairment loss (if any).

The recoverable amount is the higher of fair value less selling costs and value in use. In assessing value in use, the estimated future cash flows are discounted to their present values using a pre-tax discount rate. This rate reflects current market assessments of the time value of money as well as the risks specific to the asset for which the estimates of future cash flows have not been adjusted.

If the recoverable amount of an asset is estimated to be less than its carrying amount, the carrying amount of the asset is reduced to its recoverable amount. Impairment losses are recognised as an expense immediately.

An assessment is made at each reporting date as to whether there is any indication that previously recognised impairment losses may no longer exist or may have decreased. If such indication exists, the recoverable amount is estimated. A previously recognised impairment loss is reversed only if there has been a change in the estimates used to determine the asset's recoverable amount since the last impairment loss was recognised. If that is the case the carrying amount of the asset is increased to its recoverable amount. That increased amount cannot exceed the carrying amount that would have been determined, had no impairment loss been recognised for the asset in prior years. A reversal of an impairment loss is recognised as income immediately.

Investments in subsidiaries

Investments in subsidiaries are stated at cost less accumulated impairment losses.

Other receivables

Other receivables are financial assets which give rise to payments on specified dates that are solely payments of principal and interest on the principal amount outstanding. They are assets that have not been designated as fair value through profit or loss. Such assets are carried at amortised cost using the effective interest method if the time value of money is significant.

For the year ended 31 May 2019, the loss allowance is calculated by reference to an aging debt profile with due consideration given to forward-looking information.

For the years ending 31 May 2018 and 31 May 2017, a provision for impairment is established where there is objective evidence of non-collectability.

Prepayments

Prepayments are assets that represent a right to receive goods and services. A provision for impairment is established where there is objective evidence of non-delivery of goods and services.

Cash and cash equivalents

Cash comprises cash on hand and demand deposits which may be accessed without penalty. Cash equivalents comprise short-term highly liquid investments that are readily convertible into known amounts of cash and which are subject to an insignificant risk of changes in value.

MDL's cash balances are held with investment grade banks. MDL considers the risk of default, and how adverse changes in economic and business conditions might impact the ability of the banks to meet their obligations. MDL assesses the expected credit losses on cash and cash equivalents on a forward-looking basis and the impairment methodology depends on whether there has been a significant increase in credit risk since initial recognition.

Other payables

Non-trading financial liabilities are recognised initially at fair value and carried at amortised cost using the effective interest rate method if the time value of money is significant.

4. Operating expenses

	Year ended 31 May 2019	Year ended 31 May 2018	Year ended 31 May 2017 (unaudited)
	£000	£000	£000
Impairment of investments	-	4,302	-
Depreciation, amortisation and impairment of intangible assets	4	537	92
Other costs	1,350	1,797	4,162
Total operating expenses	1,354	6,636	4,254

5. MDL Directors' remuneration

MDL Directors are remunerated for their services to the IG Group and not MDL. The MDL Directors' remuneration for their services to MDL for 31 May 2019 was £nil and for 31 May 2018 was £nil (31 May 2017 (unaudited): £nil).

6. Finance income

Finance income relates to interest receivable on intercompany loans.

7. Finance costs

Finance costs relate to interest payable on intercompany loans.

8. Tax on profit

Tax on profit on ordinary activities

Tax charged/(credited) in the income statement:

	Year ended 31 May 2019	Year ended 31 May 2018	Year ended 31 May 2017 (unaudited)
	£000	£000	£000
Current income tax:			
Corporation tax	3	-	-
Adjustments in respect of prior years	-	-	(3)
Total current income tax	3	-	(3)
Deferred income tax:			
Origination and reversal of temporary differences	-	-	-
Total deferred income tax	-	-	-
Tax charged/(credited) in the income statement	3	-	(3)

Reconciliation of the total tax charge/(credit)

The standard UK corporation tax rate for the year ended 31 May 2019 is 19.00% and for the year ended 31 May 2018: 19.00% (year ended 31 May 2017: 19.83%). The tax expense in the income statement for the year can be reconciled as set out below:

	Year ended 31 May 2019	Year ended 31 May 2018	Year ended 31 May 2017 (unaudited)
	£000	£000	£000
Profit before taxation	189,544	588,499	6,543
Profit before taxation multiplied by the UK standard rate of corporation tax at 19.00% for 31 May 2019 and 31 May 2018 (31 May 2017 (unaudited): 19.83%)	36,013	111,815	1,298
Non-taxable dividend income	(36,480)	(113,050)	(1,647)
Adjustments in respect of prior years	-	-	(3)
Expenses not deductible for tax purposes	(88)	621	2
Group relief surrendered for nil payment	555	614	347
Overseas withholding tax	3	-	-
Total tax expense reported in the income statement	3	-	(3)

Factors affecting the tax charge/(credit) in future years

Factors that may affect MDL's future tax charge includes MDL's earnings and changes in tax legislation.

The calculation of MDL's total tax charge involves a degree of estimation and judgement with respect to the recognition of deferred tax assets, which are dependent on MDL's estimation of future profitable income.

Deferred income tax assets

The deferred income tax assets included in the statement of financial position are as follows:

	31 May 2019	31 May 2018	31 May 2017 (unaudited)
	£000	£000	£000
Temporary differences arising on fixed assets	1	1	1

The impact of changes to the main rate of UK corporation tax on deferred tax has been assessed and deferred tax assets and liabilities have been assessed at the tax rates that are expected to apply when the related asset is realised or liability settled.

The movement in the deferred income tax assets included in the statement of financial position is as follows:

	Year ended 31 May 2019	Year ended 31 May 2018	Year ended 31 May 2017 (unaudited)
	£000	£000	£000
At the beginning of the year	1	1	1
- Income statement credit	-	-	-
At the end of the year	1	1	1

9. Cash flow information

Liabilities arising from financing activities

This section sets out the liabilities that arise from financing activities and the movements in these liabilities for each of the periods presented.

	Year ended 31 May 2019	Year ended 31 May 2018	Year ended 31 May 2017 (unaudited)
	£000	£000	£000
At the beginning of the year	420,651	751,743	705,845
Non-cash			
Dividends received	(64,000)	(595,000)	(3,794)
Dividends paid	42,223	245,000	-
Finance costs	3,502	4,010	3,843
Cash flows			
Borrowings from other group companies	20,033	14,808	45,849
At the end of the year	422,319	420,561	751,743

Non-cash dividends received and dividends paid were satisfied through the extinguishment and assumption of payables due to group companies respectively.

	31 May 2019	31 May 2018	31 May 2017 (unaudited)
	£000	£000	£000
Liabilities arising from financing activities	422,319	420,561	751,743
Liabilities arising from operating activities	3,318	1,720	3,443
Total amounts due to group companies	425,637	422,281	755,186

10. Property, plant and equipment

	Computer and other equipment £000
Cost:	
At 1 June 2016 (unaudited)	-
Additions (unaudited)	13
At 31 May 2017 (unaudited)	<u>13</u>
Additions	-
At 31 May 2018	<u>13</u>
Additions	-
At 31 May 2019	<u>13</u>
 Accumulated depreciation:	
At 1 June 2016 (unaudited)	-
Provided during the year (unaudited)	4
At 31 May 2017 (unaudited)	<u>4</u>
Provided during the year	5
At 31 May 2018	<u>9</u>
Provided during the year	4
At 31 May 2019	<u><u>13</u></u>
 Net book value:	
At 31 May 2019	<u>-</u>
At 31 May 2018	<u>4</u>
At 31 May 2017 (unaudited)	<u><u>9</u></u>

11. Intangible assets

	Software and licences
Cost:	£000
At 1 June 2016 (unaudited)	1,101
Additions (unaudited)	-
At 31 May 2017 (unaudited)	1,101
Additions	-
At 31 May 2018	1,101
Additions	-
At 31 May 2019	1,101
Accumulated amortisation and impairment:	
At 1 June 2016 (unaudited)	481
Provided during the year (unaudited)	88
At 31 May 2017 (unaudited)	569
Provided during the year	-
Impairment loss	532
At 31 May 2018	1,101
Provided during the year	-
At 31 May 2019	1,101
Net book value:	
At 31 May 2019	-
At 31 May 2018	-
At 31 May 2017 (unaudited)	532

The impairment loss for the year ended 31 May 2018 relates to the impairment of website assets purchased by MDL. The value of these assets was supported by the expectation that only targeted marketing activities would be permissible in some jurisdictions in which the IG Group operates. Final legislation permitted products to continue to be marketed to a wider audience and as such the value of these assets was impaired to £nil.

12. Investment in subsidiaries

	31 May 2019	31 May 2018	31 May 2017
	£000	£000	£000
At cost:			(unaudited)
At the beginning of the year	784,828	773,003	735,044
Additions	21,917	16,127	37,959
Impairment charge	-	(4,302)	-
At the end of the year	806,745	784,828	773,003

The additions in the year ended 31 May 2019 relate to:

£13,234,000 investment in IG Europe GmbH;
£7,842,000 investment in IG US Holdings Inc;
£797,000 investment in Brightpool Limited; and
£44,000 in various other entities

The additions in the year ended 31 May 2018 relate to:

£15,438,000 investment in IG US Holdings Inc.;
£678,000 investment in IG Europe GmbH; and
£11,000 investment in Deal City Limited.

The additions in the year ended 31 May 2017 (unaudited) relate to:

£34,062,000 investment in IG US Holdings Inc.;
£3,236,000 investment in IG Limited; and
£661,000 investment in various other entities.

Impairment of investment in subsidiaries

The Directors of MDL consider the carrying value of MDL's investments in subsidiary companies to be supported by either the fair value less selling costs or the net present value of future cash flows.

Where MDL's investments in subsidiary companies are not supported by the fair value less selling costs of the investments, MDL assesses the net present value of the future cash flows of the subsidiary. Where this occurs, management forecasts of the subsidiaries financial performance are extrapolated to produce a terminal value. Financial performance over years one through five are consistent with forecasts prepared by management. Terminal values are calculated with reference to growth rates applied in years one through five, discounted at a rate of 10%.

The Directors of MDL do not consider the net present value of future cash flows to be materially sensitive to the assumptions applied in the calculation.

There was no impairment charge for the year ended 31 May 2019.

In the year ended 31 May 2018 the impairment charge relates to:

- £2,579,000 in the investment in IG Finance 5 Limited as the entities losses had widened;
- £618,000 in the investment in InvestYourWay Ltd as the entity was in the process of being dissolved;
- £458,000 in the investment in IG Services Limited as the entity was in the process of being dissolved; and
- £647,000 in various other entities.

There was no impairment charge in the year ended 31 May 2017 (unaudited).

The following companies are all owned directly or indirectly by MDL:

Name of Company	Registered office and country of incorporation	Holding	Voting rights	Nature of business
Subsidiary undertakings held directly:				
IG Index Limited	Cannon Bridge House, 25 Dowgate Hill, London	Ordinary shares	100%	Spread betting
IG Markets Limited	EC4R 2YA United Kingdom	Ordinary shares	100%	CFD trading, foreign exchange and market risk management
IG Markets South Africa Limited		Ordinary shares	100%	CFD trading
IG Finance 5 Limited		Ordinary shares	100%	Financing
IG Spread Betting Limited		Ordinary shares	100%	Financing
Financial Domains Limited		Ordinary Shares	100%	Holding company
Deal City Limited		Ordinary Shares	100%	ETF trading
InvestYourWay Limited		Ordinary Shares	100%	Non – trading
IG Trading and Investments Limited		Ordinary Shares	100%	Non-trading
IG Australia Pty Limited	Level 15, 55 Collins Street, Melbourne VIC 3000 Australia	Ordinary shares	100%	Sales and marketing office
IG Share Trading Australia Pty Limited		Ordinary shares	100%	Non - trading
Kunxin Translation (Shenzhen) Co. Limited	Unit 04-L, Level 13, Tower 3, Kerry Plaza, No.1 Zhong Xin Si Road, Futian District, Shenzhen 518048, P.R. China	Ordinary Shares	100%	Translation services
IG Europe GmbH	Westhafenplatz 1, 60327 Frankfurt, Germany	Ordinary shares	100%	CFD trading and foreign exchange
IG Bank S.A.	42 Rue du Rhone, Geneve, 1204 Switzerland	Ordinary shares	100%	CFD trading and foreign exchange
IG Infotech (India) Private Limited	Infinity, 2nd Floor, Katha No 436, Survey No 13/1B, 12/2B, Challagatta Village, Bangalore, 560071 India	Ordinary shares	100%	Software development
IG US Holdings Inc.	2711 Centreville Road, Suite 400, Wilmington, Delaware, 19808, United States	Ordinary shares	100%	Holding company
Fox Japan Holdings	57/63 Line Wall Road, Gibraltar	Ordinary shares	100%	Holding company
IG Limited	Office2 &3, level 27, Currency House- Tower 2, Dubai International Financial Centre, P O Box - 506968 Dubai, United Arab Emirates	Ordinary Shares	100%	CFD trading and foreign exchange
Brightpool Limited	Christodoulou Chatzipavlou , 221 Helios Court, 3rd floor 3036, Limassol Cyprus	Ordinary Shares	100%	Market maker
IG Markets Kenya Limited	William House, Nairobi, Nairobi West District, PO Box 40111, postal code 00100, Kenya	Ordinary Shares	100%	Non-trading
Spectrum MTF Operator GmbH	Westhafenplatz 1, 60327 Frankfurt am Main, Germany	Ordinary Shares	100%	MTF operator
Raydius GmbH		Ordinary Shares	100%	Issuer of turbo warrants

Name of Company	Registered office and country of incorporation	Holding	Voting rights	Nature of business
Subsidiary undertakings held indirectly:				
IG Nominees Limited	Cannon Bridge House, 25 Dowgate Hill, London EC4R 2YA	Ordinary shares	100%	Nominee company
Extrabet Limited	United Kingdom	Ordinary shares	100%	Non -Trading
IG Finance 8 Limited		Ordinary shares	100%	Financing
IG Finance 9 Limited		Ordinary shares	100%	Financing
Financial Domains Registry Holdings Limited		Ordinary Shares	100%	Holding company
Financial Domains Registrar Limited		Ordinary Shares	100%	Domains registrar
Financial Domains (Services) Limited		Ordinary Shares	100%	Domains registry
DotSpreadbetting Registry Limited		Ordinary Shares	100%	Domains registry
DotMarkets Registry Limited		Ordinary Shares	100%	Domains registry
DotTrading Registry Limited		Ordinary Shares	100%	Domains registry
DotCFD Registry Limited		Ordinary Shares	100%	Domains registry
DotBroker Registry Limited		Ordinary Shares	100%	Domains registry
DotForex Registry Limited		Ordinary Shares	100%	Domains registry
IG Asia Pte Limited	9 Battery Road, 01-02 MYP Centre, 049910 Singapore	Ordinary shares	100%	CFD trading and foreign exchange
IG Securities Limited	Shiodome City Centre, 1-5-2 Higashi-Shinbashi, Minato-ku, Tokyo, 105-7110 Japan	Ordinary shares	100%	CFD trading and foreign exchange
FXOnline Japan Co. Limited		Ordinary shares	100%	Non -Trading
North American Derivatives Exchange Inc.	2711 Centreville Road, Suite 400, Wilmington, Delaware, 19808, United States	Ordinary shares	100%	Exchange
Market Risk Management Inc.		Ordinary shares	100%	Market maker
FX Publications Inc		Ordinary Shares	100%	Publications
IG US LLC		Ordinary Shares	100%	Foreign exchange trading
Fox Sub Limited	57/63 Line Wall Road, Gibraltar	Ordinary shares	100%	Financing
Fox Sub Two Limited		Ordinary shares	100%	Financing
		Ordinary shares	100%	Nominee company
		Ordinary shares	100%	Non -Trading

Income from participating interests relates to dividends received from MDL's subsidiaries.

13. Other receivables

	31 May 2019	31 May 2018	31 May 2017
	£000	£000	£000
			(unaudited)
Amounts due from group companies	20,634	20,711	19,430
Other receivables	17	2	3
	<u>20,651</u>	<u>20,713</u>	<u>19,433</u>

Within amounts due from group companies at 31 May 2019 was £2,877,000 and at 31 May 2018 was £2,840,000 (31 May 2017 (unaudited): £2,537,000) which bears interest at SABOR plus 2%; at 31 May 2019 was £9,893,000 and at 31 May 2018 was £9,565,000 (31 May 2017 (unaudited): £9,244,000) at LIBOR plus 2%; and at 31 May 2019 was £1,125,000 and at 31 May 2018 was £1,476,000 (31 May 2017 (unaudited): £1,713,000) which bears fixed interest of 3%.

The remaining balance included in amounts due from group companies is unsecured, interest free and repayable on demand.

14. Other payables

	31 May 2019	31 May 2018	31 May 2017
	£000	£000	£000
			(unaudited)
Amounts due to group companies	425,637	422,281	755,186
Accruals	2,339	2,570	1,690
	<u>427,976</u>	<u>424,851</u>	<u>756,876</u>

Within amounts due to group companies are loans of £112,377,188 at 31 May 2019 and £109,039,000 at 31 May 2018 (31 May 2017 (unaudited): £108,098,000) which accrue interest at LIBOR plus 2%.

The remaining balance is unsecured, interest free and is repayable on demand.

15. Contingent liabilities and provisions

There are no contingent liabilities expected to have a material adverse financial impact on MDL's Financial Information. MDL had no material provisions at 31 May 2019 and at 31 May 2018 (31 May 2017 (unaudited): £nil).

16. Share capital and share premium

	Number of shares	Ordinary share capital £000	Share premium £000
Ordinary shares of £1, allotted, called up and fully paid			
At 1 June 2016 (unaudited)	232	-	25,083
Issued during the year (unaudited)	-	-	-
At 31 May 2017 (unaudited)	232	-	25,083
Issued during the year	-	-	-
At 31 May 2018	<u>232</u>	<u>-</u>	<u>25,083</u>
Issued during the year	792,603	793	-
At 31 May 2019	<u>792,835</u>	<u>793</u>	<u>25,083</u>

The share issue in 31 May 2019 relates to an investment in the company by its immediate parent, IG Group Limited.

17. MDL Directors' shareholdings

The Directors of MDL held shares of the ultimate parent company.

18. Related party transactions

Balances with related parties

Balances outstanding in respect of related parties in the Financial Information are as follows:

	31 May 2019	31 May 2018	31 May 2017
	£000	£000	£000
Amounts due from group companies			(unaudited)
Parent	-	1,009	-
Subsidiaries	20,391	19,626	18,803
Other group companies	243	76	627
	<u>20,634</u>	<u>20,711</u>	<u>19,430</u>

	31 May 2019	31 May 2018	31 May 2017
	£000	£000	£000
Amounts due to group companies			(unaudited)
Parent	-	-	-
Subsidiaries	3,262	3,642	338,350
Other group companies	422,375	418,639	416,836
	<u>425,637</u>	<u>422,281</u>	<u>755,186</u>

At 31 May 2019 and at 31 May 2018, MDL had given a guarantee in respect of its subsidiary, IG Limited. This guarantee is capped to commit up to USD 35.0 million to the capital reserves of IG Limited.

At 31 May 2017, MDL had not given any guarantees in respect of its subsidiaries, parent or other group companies (unaudited).

Transactions with related parties

Transactions entered in to in respect of related parties and disclosed in the income statement are as follows:

	Year ended	Year ended	Year ended
	31 May 2019	31 May 2018	31 May 2017
	£000	£000	£000
Revenue			(unaudited)
Subsidiaries	11,804	14,393	14,453
	<u>11,804</u>	<u>14,393</u>	<u>14,453</u>
Financing income			
Subsidiaries	647	661	1,097
	<u>647</u>	<u>661</u>	<u>1,097</u>
Financing costs			
Other group companies	(3,502)	(4,010)	(3,843)
	<u>(3,502)</u>	<u>(4,010)</u>	<u>(3,843)</u>

MDL receives dividends from its subsidiary companies and pays dividends to its parent company as set out in the cash flow statement and note 9.

Key management personnel

The MDL Directors are considered to be the key management personnel of the Company in accordance with IAS24. The MDL Directors remuneration for their services is set out in note 5.

19. Financial instruments

Accounting classifications and fair values

MDL's financial instruments are cash and cash equivalents, other receivables and other payables – amounts due to group companies. These financial instruments are classified as amortised cost. The fair value of financial instruments measured at amortised cost approximate their carrying value.

20. Financial risk management

Credit and liquidity risk arises from the financial instruments the company holds.

Credit risk

MDL has credit exposure to the banks with which it deposits funds. Financial institution credit risk is managed through the application of the IG Group's counterparty credit risk policy.

Financial institutional counterparties are subject to a credit review when a new relationship is entered into, and this is updated semi-annually (or more frequently as required, for example upon changes to the financial institution's corporate structure or credit rating). Proposed maximum exposure limits for these financial institutions, reflecting their credit rating and systemic position, are reviewed and approved by the IG Group's Executive Risk Committee.

Amounts due from financial institutions, which are stated net of an expected credit loss of £nil are all less than 30 days due. MDL's cash is held at a financial institution with an A+ credit rating.

At 31 May 2019 MDL had £1,451,000 cash and cash equivalents classified as Stage 1 12-month ECL with investment credit grade and no loss allowance and £20,634,000 other receivables classified as stage 1 12-month ECL with non-investment credit grade and an immaterial loss allowance.

At 31 May 2018 there were no impairment allowance for cash and cash equivalents or other receivables (31 May 2017: £nil).

The MDL Directors have reviewed MDL's receivables with other group companies and have identified that there is immaterial credit risk from these balances. Therefore, the exposure to credit risk is minimal.

Liquidity risk

Liquidity risk is the risk that MDL is unable to meet its financial obligations as they fall due. It is managed through the application of the IG Group's Liquidity Risk Management Policy.

The Group manages its liquidity centrally, and key liquidity decisions are discussed by the IG Group Executive Committee and IG Group Executive Risk Committee.

Derivative and non-derivative cash flows by remaining contractual maturity

The company has non-derivative cash flows, which are receivable/payable on demand at 31 May 2019 totalling financial assets of £22,085,000 and financial liabilities of £426,471,000; at 31 May 2018 totalling financial assets of £21,104,000 and financial liabilities of £422,405,000 which are receivable/payable on demand (31 May 2017: financial assets of £21,100,000 and financial liabilities of £756,900,000 which are receivable/payable on demand (unaudited)).

MDL had no derivative cash flows at 31 May 2019 and 31 May 2018 (31 May 2017: none (unaudited)).

MDL manages liquidity risk by calling on liquidity from a subsidiary company.

Capital management

MDL's objectives when managing capital are to maximise returns on equity and maintain a strong capital position. In order to maintain the capital structure, MDL may adjust the amount of dividends paid, return capital to shareholders, issue new shares or sell assets to reduce debt. MDL monitors total equity as shown on the Statement of Financial Position.

21. Subsequent events

Subsequent to 31 May 2019, MDL has:

- made the following investments in its wholly-owned subsidiaries:
 - a £3.6 million investment in IG Europe GmbH;
 - a £8.3 million investment in Spectrum MTF Operator GmbH;
 - a £3.9 million investment in IG US Holdings Inc;
 - a £0.9 million, a £2.7 million and a subsequent £1.8 million investment in Brightpool Limited; and
 - a £1.0 million investment in IG International Limited.
- received the following dividends:
 - a £27.3 million dividend and a £31.5 million dividend from IG Markets Limited;
 - a £50.0 million dividend from IG Index Limited; and
 - a A\$5.0 million dividend from IG Australia Pty Limited.

- paid the following dividends:
 - £80.0 million in October 2019; and
 - £35.3 million in February 2020;
- provided the following guarantees in respect of its subsidiaries:
 - in June 2019, to commit to the capital reserves of IG Bank SA, up to 100% of IG Bank SA's Common Equity Tier 1 Capital;
 - in May 2020, to commit to the capital reserves of IG Limited, up to USD 40.0 million; and
 - in May 2020, MDL entered in to keep well agreements with its subsidiaries, Raydius GmbH and Brightpool Limited (the "Keep Well Agreements"). Under the Keep Well Agreements, MDL has agreed to provide continued financial support to Raydius GmbH and Brightpool Limited respectively to meet its financial obligations in order to continue operating as a going concern.
- received the proceeds of share buy backs from its wholly owned subsidiary IG US Holdings Inc, which bought back 290 outstanding ordinary shares at par for a total value of £22.8 million; and
- issued new shares at par for a total value of £20,346,345 to its immediate parent, IG Group Limited.

Since early 2020, there have been increasing social and economic restrictions across the globe as governments respond to the COVID-19 virus outbreak. The IG Group has implemented a comprehensive business continuity plan in response to the COVID-19 virus, which is operating as anticipated.

In addition, the actions of governments and regulators in response to COVID-19 are not predictable, and MDL and its subsidiaries may face circumstances and events it has not previously anticipated. MDL's financial position remains strong, however, it remains difficult to predict the overall impact of COVID-19 on MDL's performance.

PART B: Accountant's Report on the MDL Financial Information



The directors (the "**MDL Directors**")

Market Data Limited
Cannon Bridge House
25 Dowgate Hill
London EC4R 2YA
United Kingdom

28 May 2020

Dear Ladies and Gentlemen

Market Data Limited ("MDL")

We report on the financial information of MDL for each of the years ended 31 May 2018 and 31 May 2019 set out in part A of Annex 1 above (the "**MDL Financial Information**"). The MDL Financial Information has been prepared for inclusion in the prospectus dated 28 May 2020 (the "**Prospectus**") of Raydius GmbH (the "**Company**") on the basis of the accounting policies set out in note 3 to the MDL Financial Information. This report is required by item 18.3.1 of Annex 1 to the Prospectus Regulation and is given for the purpose of complying with that item and for no other purpose.

We have not audited or reviewed the financial information for the year ended 31 May 2017 which has been included for comparative purposes only, and accordingly do not express an opinion thereon.

Responsibilities

The MDL Directors are responsible for preparing the MDL Financial Information in accordance with International Financial Reporting Standards as adopted by the European Union.

It is our responsibility to form an opinion as to whether the MDL Financial Information gives a true and fair view, for the purposes of the Prospectus and to report our opinion to you.

Save for any responsibility which we may have to those persons to whom this report is expressly addressed, to the fullest extent permitted by law we do not assume any responsibility and will not accept any liability to any other person for any loss suffered by any such other person as a result of, arising out of, or in connection with this report.

Basis of opinion

We conducted our work in accordance with the Standards for Investment Reporting issued by the Auditing Practices Board in the United Kingdom. Our work included an assessment of evidence relevant to the amounts and disclosures in the financial information. It also included an assessment of significant estimates and judgments made by those responsible for the preparation of the financial information and whether the accounting policies are appropriate to MDL's circumstances, consistently applied and adequately disclosed.

*PricewaterhouseCoopers LLP, 7 More London Riverside, London, SE1 2RT
T: +44 (0) 2075 835 000, F: +44 (0) 2072 124 652, www.pwc.co.uk*

PricewaterhouseCoopers LLP is a limited liability partnership registered in England with registered number OC303525. The registered office of PricewaterhouseCoopers LLP is 1 Embankment Place, London WC2N 6RH. PricewaterhouseCoopers LLP is authorised and regulated by the Financial Conduct Authority for designated investment business.

We planned and performed our work so as to obtain all the information and explanations which we considered necessary in order to provide us with sufficient evidence to give reasonable assurance that the financial information is free from material misstatement whether caused by fraud or other irregularity or error.

Opinion

In our opinion, the MDL Financial Information gives, for the purposes of the Prospectus dated 28 May 2020, a true and fair view of the state of affairs of MDL as at 31 May 2018 and 31 May 2019 and of its profits, cash flows and changes in equity for the periods then ended in accordance with International Financial Reporting Standards as adopted by the European Union.

Yours faithfully

PricewaterhouseCoopers LLP
Chartered Accountants

13 Annex 2: Unaudited interim financial information of Market Data Limited for the period from 1 June 2019 to 30 November 2019

13.1 Interim Income Statement

for the six months ended 30 November 2019 (unaudited)

		Six months ended 30 November 2019 (unaudited)	Six months ended 30 November 2018 (unaudited)
	Note	£000	£000
Revenue		5,988	5,836
Cost of sales		(5,000)	(4,858)
Gross profit		988	978
Operating costs	3	(991)	(771)
Operating (loss)/profit		(3)	207
Finance income		327	322
Finance costs		(1,730)	(1,756)
Income from participating interests		79,964	-
Profit before taxation		78,558	(1,227)
Tax on profit or loss		(1)	-
Profit for the period		78,557	(1,227)

All of Market Data Limited (**MDL's**) revenue and profit relate to continuing operations. MDL has no items of other comprehensive income.

13.2 Interim Statement of Financial Position

as at 30 November 2019 (unaudited)

		30 November 2019 (unaudited)	31 May 2019	30 November 2018 (unaudited)
	Note	£000	£000	£000
Assets				
Non-current assets				
Intangible assets	7	-	-	-
Property, plant and equipment	6	6	-	60
Investment in subsidiaries	8	810,252	806,745	798,107
Deferred income tax assets		1	1	1
		810,259	806,746	798,168
Current assets				
Prepayments		631	539	553
Other receivables	9	32,039	20,651	20,741
Cash and cash equivalents		2,766	1,451	173
		35,437	22,641	21,467
TOTAL ASSETS		845,695	829,387	819,635
Liabilities				
Current liabilities				
Other payables	10	426,381	427,976	439,561
Total liabilities		426,381	427,976	439,561
Equity				
Share capital		20,139	793	-
Share premium		25,083	25,083	25,083
Retained earnings		374,092	375,535	354,991
Total equity		419,314	401,411	380,074
TOTAL EQUITY AND LIABILITIES		845,695	829,387	819,635

Notes 1 to 14 are an integral part of these Interim Condensed Financial Statements.

These Interim Condensed Financial Statements were approved by the Directors of MDL on 22 May 2020 and signed on its behalf by:

P Mainwaring
Director

13.3 Interim Statement of Changes in Equity

for the six months ended 30 November 2019 (unaudited)

	Share capital £000	Share premium £000	Retained earnings £000	Total equity £000
At 31 May 2018	-	25,083	356,218	381,301
Profit for the period	-	-	(1,227)	(1,227)
Issue of share capital	-	-	-	-
Equity dividends paid	-	-	-	-
At 30 November 2018	-	25,083	354,991	380,074
At 31 May 2019	793	25,083	375,535	401,411
Profit for the period	-	-	78,557	78,557
Issue of share capital	19,346	-	-	19,346
Equity dividends paid	-	-	(80,000)	(80,000)
At 30 November 2019	20,139	25,083	374,092	419,314

13.4 Interim Cash Flow Statement

for the six months ended 30 November 2019 (unaudited)

	six months ended 30 November 2019 (unaudited)	six months ended 30 November 2018 (unaudited)
	£000	£000
Operating activities		
Operating profit	(3)	207
Adjustments to reconcile operating profit to net cash flow from operating activities		
Depreciation and amortisation	-	2
Decrease/(increase) in prepayments and other receivables	(11,156)	76
Increase in other payables	(3,322)	12,955
Cash (used in)/generated from operations	(14,481)	13,240
Investing activities		
Dividend received	79,964	-
Investment in subsidiaries	(19,373)	(13,279)
Interest received	-	3
Payments to acquire property, plant and equipment	(6)	(60)
Proceeds from disposal of capital instruments	15,867	-
Net cash flow generated from/(used in) investing activities	76,452	(13,336)
Financing activities		
Equity dividend paid	(80,000)	-
Interest paid	(2)	-
Proceeds from the issue of shares	19,346	-
Net cash flow used in financing activities	(60,656)	-
Net increase/(decrease) in cash and cash equivalents	1,315	(96)
Cash and cash equivalents at the beginning of the period	1,451	269
Cash and cash equivalents at the end of the period	2,766	173

1. General information

Market Data Limited (MDL) contracts for and redistributes market data to other entities within the IG Group of companies (the IG Group) and acts as a holding company for operating entities of the IG Group, providing equity and debt capital to its subsidiaries.

The Interim Condensed Financial Statements of MDL for the six months ended 30 November 2019 were authorised for issue by the Directors of MDL on 22 May 2020. MDL is a private company limited by shares and is incorporated and domiciled in England and Wales.

The interim information, together with the comparative information contained in this report for the six months ended 30 November 2018, does not constitute statutory accounts within the meaning of section 434 of the Companies Act 2006. The Financial Statements for the year ended 31 May 2019 have been audited and reported on by MDL's auditors and delivered to the Registrar of Companies. The report of the auditors on those accounts was unqualified and did not contain a statement under section 498(2) or (3) of the Companies Act 2006.

2. Basis of preparation and accounting policies

Basis of preparation

The Interim Condensed Financial Statements for the six months ended 30 November 2019 have been prepared in accordance with IAS 34 Interim Financial Reporting. The Interim Condensed Financial Statements are presented in Sterling.

The Interim Condensed Financial Statements do not include all of the information and disclosures required in the annual financial statements and should be read in conjunction with MDL's Financial Information for the years ended 31 May 2019 and 31 May 2018 which was prepared in accordance with International Financial Reporting Standards (IFRSs) as adopted by the EU.

Throughout this report, FY20 and FY19 refer to the financial years ended 31 May 2020 and 31 May 2019 respectively. H1 FY20 and H1 FY19 refer to the six months ended 30 November 2019 and 30 November 2018 respectively.

Going concern basis of accounting

The Directors of MDL have prepared the Financial Statements on a going concern basis which requires the MDL Directors to have a reasonable expectation that MDL has adequate resources to continue in operational existence for the foreseeable future.

Critical accounting estimates and judgements

The preparation of Financial Statements requires management to make estimates and assumptions that affect the amounts reported for assets and liabilities as at the Statement of Financial Position date and the amounts reported for revenues and expenses during the period. The nature of estimates means that actual outcomes could differ from those estimates.

In the MDL Directors' opinion there were no accounting estimates or judgements that could have a significant impact on the Financial Statements.

New accounting standards and interpretations – standards and amendments adopted during the period

There were no new standards, amendments or interpretations applicable to MDL which are effective for the first time in the six-month period to 30 November 2019.

Seasonality of operations

The MDL Directors consider that there is no predictable seasonality to MDL's operations.

3. Operating costs

	Unaudited six months ended 30 November 2019 £000	Unaudited six months ended 30 November 2018 £000
Depreciation and amortisation	-	2
Other costs	991	769
	<hr/>	<hr/>
	991	771

5. Cash flow information

Liabilities arising from financing activities

This section sets out the liabilities that arise from financing activities and the movements in these liabilities for each of the periods presented.

	Period ended 30 November 2019 (unaudited) £000	Year ended 30 November 2018 (unaudited) £000
At the beginning of the period	422,319	420,561
Non-cash:		
Finance costs	1,730	1,756
Other	42	216
At the end of the period	424,091	422,533
	30 November 2019 (unaudited) £000	30 November 2018 (unaudited) £000
Liabilities arising from financing activities	424,091	422,533
Liabilities arising from operating activities	111	15,167
Total amounts due to group companies	425,637	755,186

6. Property, plant and equipment

	Computer and other equipment £000
Net book value - 30 November 2019 (unaudited)	6
Net book value - 31 May 2019	-
Net book value - 30 November 2018 (unaudited)	60

7. Intangible assets

	Software and licences £000
Net book value - 30 November 2019 (unaudited)	-
Net book value - 31 May 2019	-
Net book value - 30 November 2018 (unaudited)	-

8. Investment in subsidiaries

	£000
At cost - 30 November 2019 (unaudited)	<u>810,252</u>
At cost - 31 May 2019	<u>806,745</u>
At cost - 30 November 2018 (unaudited)	<u>798,107</u>

Additions in H1 FY20 relate to:

- £8,264,000 investment in Spectrum MTF Operator GmbH;
- £3,939,000 investment in IG US Holdings Inc.;
- £3,615,000 investment in IG Europe GmbH; and
- £3,555,000 investment in Brightpool Limited;

Additions in H1 FY19 relate to a £13,234,000 investment in IG Europe GmbH.

There are no impairment charges for H1 FY20 and H1 FY19.

During the six months to 30 November 2019, MDL's wholly owned subsidiary IG US Holdings Inc bought back 200 of its outstanding ordinary shares at par for a total value of £15,867,000.

The MDL Directors consider the carrying value of MDL's investments in subsidiary companies to be supported by either the underlying net assets or the net present value of future cash flows.

9. Other receivables

	30 November 2019 (unaudited) £000	31 May 2019 £000	30 November 2018 (unaudited) £000
Amounts due from group companies	32,039	20,634	20,741
Other receivables	-	17	-
	<u>32,039</u>	<u>20,651</u>	<u>20,741</u>

Within amounts due from group companies is £2,940,000 (H1 FY19: £2,834,000) which bears interest at SABOR plus 2%, £10,060,000 (H1 FY19: £9,727,000) at LIBOR plus 2%, and £1,138,000 (H1 FY19: £1,499,000) which bears fixed interest of 3%.

The remaining balance included in amounts due from group companies is unsecured, interest free and repayable on demand.

10. Other payables

	30 November 2019 (unaudited) £000	31 May 2019 £000	30 November 2018 (unaudited) £000
Amounts due to group companies	424,202	425,637	437,700
Other payables	2,179	2,339	1,861
	<u>426,381</u>	<u>427,976</u>	<u>439,561</u>

Within amounts due to group companies are loans of £114,014,000 (H1 FY19: £110,692,000) which accrue interest at LIBOR plus 2%.

The remaining balance is unsecured, interest free and is repayable on demand.

11. Related party transactions

MDL Directors are remunerated for their services to the IG Group and not MDL. The basis of remuneration of the MDL Directors remains consistent with that disclosed in the 2019 IG Group Annual Report.

During the period, MDL entered in to transactions in the ordinary course of business with other related parties. Intercompany balances at period end with other related parties are detailed in notes 9 and 10.

At 30 November 2019 and 30 November 2018 MDL had given the following guarantees in respect of its subsidiary, IG Limited. This guarantee is capped to commit up to USD 35.0 million to the capital reserves of IG Limited.

Additionally, in June 2019 MDL gave a guarantee in respect of its subsidiary, IG Bank SA, to commit to the capital reserves of IG Bank SA, up to 100% of IG Bank SA's CET1 Capital. This guarantee remained in place at 30 November 2019.

12. Contingent liabilities and provisions

There are currently no contingent liabilities expected to have a material adverse financial impact on MDL's Interim Financial Statements. MDL had no material provisions at 30 November 2019 (30 November 2018: £nil).

13. Financial risk management

Credit and liquidity risk arises from the financial instruments the company holds. These Interim Condensed Financial Statements do not include all financial risk management information and disclosures required in the Financial Information. Details of how these risks are managed are discussed in the financial risk management note in note 20 of MDL's Financial Information.

There has not been a significant change in the IG Group's financial risk management processes or policies, which MDL applies, since the year end.

14. Subsequent events

Subsequent to 30 November 2019, MDL has

- made the following investments in its wholly-owned subsidiaries:
 - a £1.8 million investment in Brightpool Limited; and
 - a £1.0 million investment in IG International Limited.
- received a £31.5 million dividend from IG Markets Limited in February 2020;
- paid a dividend of £35.3 million in February 2020;
- provided the following guarantees in respect of its subsidiaries:
 - in May 2020, to commit to the capital reserves of IG Limited, up to USD 40.0 million; and
 - in May 2020, MDL entered into keep well agreements with its subsidiaries, Raydius GmbH and Brightpool Limited (the "Keep Well Agreements"). Under the Keep Well Agreements, MDL has agreed to provide continued financial support to Raydius GmbH and Brightpool Limited respectively to meet its financial obligations in order to continue operating as a going concern.
- received the proceeds of share buy backs from its wholly owned subsidiary IG US Holdings Inc, which bought back 90 outstanding ordinary shares at par for a total value of £6.9 million; and
- issued new shares at par for a total value of £999,539 to its immediate parent, IG Group Limited.

Since early 2020, there have been increasing social and economic restrictions across the globe as governments respond to the COVID-19 virus outbreak. The IG Group has implemented a comprehensive business continuity plan in response to the COVID-19 virus, which is operating as anticipated.

In addition, the actions of governments and regulators in response to COVID-19 are not predictable, and MDL and its subsidiaries may face circumstances and events it has not previously anticipated. MDL's financial position remains strong, however, it remains difficult to predict the overall impact of COVID-19 on MDL's performance.