MarketVector Indexes GmbH

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Benchmark Statement

MarketVector™ Sector Indexes Family

Status: 31 December 2024

MarketVector Indexes GmbH (´MarketVector™´) administers among other indexes certain sector indexes (the "**MarketVector™ Sector Indexes**"). The MVIS® Sector Indexes are a selection of equity indexes that cover certain sectors of the equity market on a country or global level. The MarketVector™ Sector Indexes follow either a unique pure-play or a thematic approach. The pure play approach considers companies which generate at least 50% of their revenues from the index target to be eligible for index inclusion. The thematic approach considers companies that operate in the index theme by way of revenue exposure or product offering and services from certain sub-sectors as specified in the Index Guides.

MarketVector™ has grouped its MarketVector™ Sector Indexes into one family of indexes (the "**MarketVector™ Sector Indexes Family**") because each of the MVIS® Sector Indexes measure the economic reality of one specific market sector, use common input data, and are calculated according to similafr methodologies.

This document must be read in conjunction with the MarketVector™ Global Equity Index Guide, which is available on the MarketVector™ website (www.marketvector.com).

The European Benchmark Regulation ("**BMR**") on indexes used as benchmarks in financial instruments and financial contracts or to measure the performance of investment funds ("**Benchmark/s**" or "**Index**" or "**Indexes**") aims to establish a common framework to ensure the accuracy and integrity of Indexes used as Benchmarks in the EU. Article 27(1) of the BMR requires index administrators to publish a statement for any Benchmark or, where applicable, for any family of Benchmarks if it may be used in the EU ("**Benchmark Statement**"). The Benchmark Statement is a document that is aimed at helping users of an Index to understand the market or economic reality that the Index or family of Indexes seeks to measure, the sources of its input data, the reliability of the index in times of market stress and its susceptibility to manipulation.

This Benchmark Statement refers to a range of documents, policies and procedures available from MarketVector™ website at www.marketvector.com or on request to info@marketvector.com.

A. Index Description of the MarketVector™ Sector Indexes Family

	Reference in BMR	Description of Requirement	MarketVector™ **Reaction and Measures**
	General		
1	Date of publication and last update RTS* Article 1 No. 1(a)	The benchmark statement shall state the date of publication and the date of its last update.	Date of original Benchmark Statement – April 2018. Last update – December 2024
2	1.2 Review of Benchmark Statement RTS Article 1 No. 1(a)	The administrator shall review and, where necessary, update the benchmark statement for each benchmark or family of benchmarks in the event of any changes to the information to be provided under this Article and at least every two years.	MarketVector™ will review this Benchmark Statement periodically and at least once every two years or in due course, where material changes to the information herein become necessary.
3	1.3 Use of ISIN RTS Article 1 No. 1(b)	A Benchmark Statement for a family of Indexes shall include a reference to a place where the ISINs are publicly accessible free of charge.	The ISIN together with many further identifiers and index parameters is available on www.marketvector.com below the tab "Specifications/Identifiers".

* Regulatory Technical Standards, Delegated Regulation 2018/1643

4	1.4 Contributions of input data RTS Article 1 No. 1(c)	The benchmark statement shall state whether the benchmark or at least one benchmark in the family of benchmarks is determined using contributions of input data.	The MarketVector™ Sector Indexes Family does not use contributions of input data.
5	1.5 Type of Benchmark RTS Article 1 No. 1(d)	The benchmark statement shall state whether the benchmark qualifies as one of the types of benchmarks listed under Title III of the BMR.	The MarketVector™ Sector Indexes Family qualifies as a family of Benchmarks that consists solely of non-significant Benchmarks according to number 27 of Article 3 (1) of the BMR. Accordingly, the MarketVector™ Sector Indexes Family does not qualify as a family of regulated-data benchmarks, interest rate Benchmarks, commodity Benchmarks, critical Benchmark, significant Benchmarks nor a variety of these.

Content

6	2.1 Market reality RTS Article 1 No. 2(a), (b)	In order to define the market or economic reality the Benchmark Statement shall include the following information: - A general description of the market or economic reality; - The geographical boundaries, if any, of the market or economic reality.	The Indexes of the MarketVector™ Sector Indexes Family refer to strictly rules-based determinations of markets as described in the Index Guide for "MarketVector™ Global Equity Indexes". The following indexes are EU Climate Transition Benchmarks, EU Paris-aligned Benchmarks, benchmarks that pursue ESG objectives or benchmarks that take into account ESG factors: MVAI, MVBION, MVBIOP, MVCET, MVCIRC, MVDEF, MVDEFA, MVESPG, MVFOF, MVFHC, MVHTWO, MVMETV, MVNUCL, MVQTML, MVSMC and MVSPC. MVBION, MVCIRC, MVFOF, MVFHC, MVHTWO also pursue ESG objectives. All other indexes within the Sector Indexes Family do not apply ESG factors in its selection and weighting methodology. 1. BlueStar® Artificial Intelligence - Currency: USD - Approach: Global Thematic: Product offering - Potential market participants: Companies whose products or services incorporate artificial intelligence - Geographic boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide. - Full market capitalization: 10.5trn USD - Investable market capitalization: 8.4trn USD - Number of constituents of the eligible universe: 60 - Number of constituents of the Index: 59

2. BlueStar® Asia Technology
- Currency: USD
- Approach: Global Thematic: Product Offering
- Potential market participants: Companies must be incorporated in South East Asian Emerging Markets, China or Hong Kong and involved in the technology or biotechnology industries.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 2.8trn USD
- Investable market capitalization: 2.2trn USD
- Number of constituents of the eligible universe: 79
- Number of constituents of the Index: 62

3. BlueStar® Autonomous Driving
- Currency: USD
- Approach: Global Thematic: Product Offering
- Potential market participants: Companies whose products and services are related to the autonomous driving and connected vehicles industries
- Geographic boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 8.4trn USD
- Investable market capitalization: 6.6trn USD
- Number of constituents of the eligible universe: 102
- Number of constituents of the Index: 102

4. BlueStar® Big Data & AI
- Currency: USD

- Approach: Global Thematic: Product Offering
- Potential market participants: Companies must be involved in the 'Big Data' and 'Artificial Intelligence' business.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 790bln USD
- Investable market capitalization: 513bln USD
- Number of constituents of the eligible universe: 14
- Number of constituents of the Index: 14

5. BlueStar® China Internet Software
- Currency: USD
- Approach: Global Thematic: Product Offering
- Potential market participants: Companies must be incorporated in China or Hong Kong and offer internet-based services.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 1.1trn USD
- Investable market capitalization: 823bln USD
- Number of constituents of the eligible universe: 52
- Number of constituents of the Index: 35

6. BlueStar® Connective Technologies
- Currency: USD
- Approach: Global Thematic: Product Offering
- Potential market participants: Companies involved in mobile communications industry

- Geographical boundaries: Must be listed in the US
- Full market capitalization: 9.7trn USD
- Investable market capitalization: 7.4trn USD
- Number of constituents of the eligible universe: 74
- Number of constituents of the Index: 50

7. BlueStar® Data Center and Logistics Real Estate
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies must be involved in the operation or ownership of real estate facilities used for logistics/warehousing or data centers.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 454bln USD
- Investable market capitalization: 298bln USD
- Number of constituents of the eligible universe: 41
- Number of constituents of the Index: 40

8. BlueStar® Digital Advertising
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies must be involved in digital advertising
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 206bln USD

- Investable market capitalization: 141bln USD
- Number of constituents of the eligible universe: 31
- Number of constituents of the Index: 26

9. BlueStar® E-Commerce US Leaders
- Currency: USD
- Approach: Global Thematic: Product Offering
- Potential market participants: Companies must be incorporated in the US and involved in the online retail industry
- Geographical boundaries: Must be listed and incorporated in the US.
- Full market capitalization: 5.3trn USD
- Investable market capitalization: 3.8trn USD
- Number of constituents of the eligible universe: 67
- Number of constituents of the Index: 50

10. BlueStar® E-Games
- Currency: USD
- Approach: Global Thematic: Revenue Exposure and Product Offering
- Potential market participants: Companies involved in the video game, e-sports, and online gambling industries
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 4.4trn USD
- Investable market capitalization: 3.5trn USD
- Number of constituents of the eligible universe: 50
- Number of constituents of the Index: 50

11. BlueStar® Europe Infrastructure
- Currency: EUR
- Approach: Pure-Play
- Potential market participants: Companies involved in the infrastructure segment in the European market.
- Geographical boundaries: Stocks must be listed on an exchange in Europe. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 582bln EUR
- Investable market capitalization: 461bln EUR
- Number of constituents of the eligible universe: 72
- Number of constituents of the Index: 50

12. BlueStar® Fintech
- Currency: USD
- Approach: Global Thematic: Revenue Exposure
- Potential market participants: Companies involved in mobile payments, electronic transaction processing, and financial or accounting technology.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 2.3trn USD
- Investable market capitalization: 1.8trn USD
- Number of constituents of the eligible universe: 78
- Number of constituents of the Index: 51

13. BlueStar® Genomic Health Care
- Currency: USD
- Approach: Global Thematic: Revenue Exposure

- Potential market participants: Companies involved in developing genetics-based healthcare therapies or technologies.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 420bln USD
- Investable market capitalization: 263bln USD
- Number of constituents of the eligible universe: 88
- Number of constituents of the Index: 70

14. BlueStar® Global 5G Connectivity
- Currency: USD
- Approach: Global Thematic: Product Offering
- Potential market participants: Companies involved in mobile communications industry.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 7.6trn USD
- Investable market capitalization: 5.9trn USD
- Number of constituents of the eligible universe: 87
- Number of constituents of the Index: 87

15. BlueStar® Global E-Brokers and Digital Capital Markets
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies in the global online brokerage industry.
- Geographical boundaries: Global exposure.

- Full market capitalization: 318bln USD
- Investable market capitalization: 238bln USD
- Number of constituents of the eligible universe: 27
- Number of constituents of the Index: 25

16. BlueStar® Global GreenTech
- Currency: USD
- Approach: Global Thematic: Product Offering
- Potential market participants: Companies must be involved in renewable energy, building materials, or waste management industries.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 2.5trn USD
- Investable market capitalization: 1.8trn USD
- Number of constituents of the eligible universe: 117
- Number of constituents of the Index: 89

17. BlueStar® Global Logistics
- Currency: EUR
- Approach: Global Thematic: Revenue Exposure and Product Offering
- Potential market participants: Companies involved in the logistics industry
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 3.2trn USD
- Investable market capitalization: 2.4trn USD
- Number of constituents of the eligible universe: 61
- Number of constituents of the Index: 61

18. BlueStar® Global Online Gambling, Video Gaming and eSports
- Currency: USD
- Approach: Global Thematic: Revenue Exposure and Product Offering
- Potential market participants: Companies involved in the online gambling, video gaming and eSports industries
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 1.3trn USD
- Investable market capitalization: 872bln USD
- Number of constituents of the eligible universe: 72
- Number of constituents of the Index: 44

19. BlueStar® Global Robotics & 3D Printing
- Currency: USD
- Approach: Global Thematic: Revenue Exposure and Product Offering
- Potential market participants: Companies involved in the robotics, industrial automation and 3D printing industries
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 1.6trn USD
- Investable market capitalization: 1.2trn USD
- Number of constituents of the eligible universe: 78
- Number of constituents of the Index: 55

20. BlueStar® Hydrogen and NextGen Fuel Cell
- Currency: USD
- Approach: Pure-Play (incl. exceptions)

- Potential market participants: Companies involved in hydrogen energy and fuel cell industries.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 394bln USD
- Investable market capitalization: 313bln USD
- Number of constituents of the eligible universe: 23
- Number of constituents of the Index: 23

21. BlueStar® Israel Global Technology
- Currency: USD
- Approach: Global Thematic: Product Offering
- Potential market participants: Companies must be incorporated, head quartered or with significant operations in Israel and involved in technology, biotechnology, renewable energy, or defense technology industries.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 186bln USD
- Investable market capitalization: 131bln USD
- Number of constituents of the eligible universe: 57
- Number of constituents of the Index: 53

22. BlueStar® Israel Global Technology North America
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Israeli technology companies listed on exchanges in North America.

- Geographical boundaries: Global exposure.
- Full market capitalization: 171bln USD
- Investable market capitalization: 124bln USD
- Number of constituents of the eligible universe: 43
- Number of constituents of the Index: 42

23. BlueStar® Machine Learning and Quantum Computing
- Currency: USD
- Approach: Global Thematic: Product Offering
- Potential market participants: Companies involved in the development of technology related to machine learning or quantum computing.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 13.2trn USD
- Investable market capitalization: 10.7trn USD
- Number of constituents of the eligible universe: 94
- Number of constituents of the Index: 70

24. BlueStar® Robotics
- Currency: USD
- Approach: Global Thematic: Revenue Exposure and Product Offering
- Potential market participants: Companies involved in the robotics and industrial automation industries
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 5.6trn USD
- Investable market capitalization: 4.5trn USD

- Number of constituents of the eligible universe: 100
- Number of constituents of the Index: 65

25. BlueStar® Solar Energy Industry
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies involved in the solar energy industry.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 49bln USD
- Investable market capitalization: 34bln USD
- Number of constituents of the eligible universe: 21
- Number of constituents of the Index: 19

26. BlueStar® Top 10 US Banks
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies involved in the banking, market making or institutional wealth management industries.
- Geographical boundaries: Must be listed in the US
- Full market capitalization: 2.0trn USD
- Investable market capitalization: 1.6trn USD
- Number of constituents of the eligible universe: 44
- Number of constituents of the Index: 10

27. BlueStar® Top 10 US Listed Alternative Asset Managers
- Currency: USD

- Approach: Pure-Play
- Potential market participants: Companies involved in the management of investments in privately-held companies, real estate or infrastructure projects.
- Geographical boundaries: Must be listed in the US
- Full market capitalization: 547bln USD
- Investable market capitalization: 392bln USD
- Number of constituents of the eligible universe: 47
- Number of constituents of the Index: 10

28. BlueStar® Top 10 US Residential Real Estate
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Real Estate Investment Trusts that focus on residential real estate.
- Geographical boundaries: Companies must be listed on a US exchange, and Incorporated in the US.
- Full market capitalization: 252bln USD
- Investable market capitalization: 166bln USD
- Number of constituents of the eligible universe: 53
  Number of constituents of the Index: 10

29. BlueStar® Total Security
- Currency: USD
- Approach: Global Thematic: Revenue Exposure and Product Offering
- Potential market participants: Companies involved in the cyber security or defense industries.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the

index guide.

- Full market capitalization: 2.1trn USD
- Investable market capitalization: 1.5trn USD
- Number of constituents of the eligible universe: 95
- Number of constituents of the Index: 81

30. BlueStar® Travel & Vacation
- Currency: USD
- Approach: Global Thematic: Revenue Exposure
- Potential market participants: Companies involved in the travel industry.
- Geographical boundaries: Must be listed in the US
- Full market capitalization: 1.2trn USD
- Investable market capitalization: 815bln USD
- Number of constituents of the eligible universe: 61
- Number of constituents of the Index: 50

31. BlueStar® US Listed E-Brokers and Digital Capital Markets
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies involved in the online securities brokerage, market making, or digital asset capital markets industries.
- Geographical boundaries: Must be listed in the US.
- Full market capitalization: 289bln USD
- Investable market capitalization: 218bln USD
- Number of constituents of the eligible universe: 14
- Number of constituents of the Index: 14

32. BlueStar® Wind Energy Industry
- Currency: USD

- Approach: Pure-Play
- Potential market participants: Companies involved in the wind energy industry.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 79bln USD
- Investable market capitalization: 42bln USD
- Number of constituents of the eligible universe: 22
- Number of constituents of the Index: 22

33. MarketVector^{TM} Alternative Asset Managers
- Currency: USD
- Approach: Pure-play
    - Potential market participants: Companies involved in the management of investments in privately-held companies, real estate or infrastructure projects.
- Geographical boundaries: US and Canadian companies.
- Full market capitalization: 650bln USD
- Investable market capitalization: 462bln USD
- Number of constituents of the eligible universe: 28
- Number of constituents of the Index: 20

34. MarketVector^{TM} Artificial Intelligence ESG
- Currency: EUR
- Approach: Global Thematic: Product offering
- Potential market participants: Companies whose products or services incorporate artificial intelligence.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in

hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 7.0trn EUR
- Investable market capitalization: 5.5trn EUR
- Number of constituents of the eligible universe: 105
- Number of constituents of the Index: 105

35. MarketVector^{TM} Bioproduction Tech and Tools ESG
- Currency: EUR
- Approach: Pure-Play
- Potential market participants: Companies involved in the development of technologies, tools, materials, and processes related to the development or manufacture of biopharmaceuticals.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 831bln EUR
- Investable market capitalization: 614bln EUR
- Number of constituents of the eligible universe: 69
- Number of constituents of the Index: 49

36. MarketVector^{TM} Digital India (INR)
- Currency: INR
- Approach: Pure-Play
- Potential market participants: India incorporated or active digital companies.
- Geographical boundaries: Global exposure.
- Full market capitalization: 80.7qua INR
- Investable market capitalization: 37.3qua INR

- Number of constituents of the eligible universe: 103
- Number of constituents of the Index: 45

37. MarketVector^{TM} Global Circular Economy ESG
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies contributing to the circular economy.
- Geographical boundaries: Global exposure.
- Full market capitalization: 355bln USD
- Investable market capitalization: 251bln USD
- Number of constituents of the eligible universe: 58
- Number of constituents of the Index: 25

38. MarketVector^{TM} Global Clean Energy Transition ESG
- Currency: EUR
- Approach: Pure-Play
- Potential market participants: Companies involved in providing technologies and materials contributing to the global transition to clean energy.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 389bln
- Investable market capitalization: 180bln
- Number of constituents of the eligible universe: 116
- Number of constituents of the Index: 71

39. MarketVector^{TM} Global Defense
- Currency: USD
- Approach: Pure-Play

- Potential market participants: Companies involved in serving national defense industries.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 894bln USD
- Investable market capitalization: 625bln USD
- Number of constituents of the eligible universe: 35
- Number of constituents of the Index: 28

40. MarketVector^{TM} Global Defence Industry (AUD)
- Currency: AUD
- Approach: Pure-Play
- Potential market participants: Companies involved in serving national defense industries.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 671bln AUD
- Investable market capitalization: 468bln AUD
- Number of constituents of the eligible universe: 33
- Number of constituents of the Index: 28

41. MarketVector^{TM} Global Defense Industry
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies involved in serving national defense industries.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in

hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 415bln USD
- Investable market capitalization: 290bln USD
- Number of constituents of the eligible universe: 33
- Number of constituents of the Index: 28

42. MarketVector™ Global Environmental Services
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies involved in environmental services.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 367bln USD
- Investable market capitalization: 182bln USD
- Number of constituents of the eligible universe: 38
  Number of constituents of the Index: 25

43. MarketVector™ Global Metaverse and e-Games ESG
- Currency: EUR
- Approach: Pure-Play
- Potential market participants: Companies involved in technologies and services related to the metaverse, e-gaming and eSports.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 5.5trn EUR
- Investable market capitalization: 4.3trn EUR

- Number of constituents of the eligible universe: 65
- Number of constituents of the Index: 49

44. MarketVector^{TM} Global Nuclear Innovators
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies involved in nuclear energy technology and infrastructure.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 17bln USD
- Investable market capitalization: 5bln USD
- Number of constituents of the eligible universe: 7
- Number of constituents of the Index: 7

45. MarketVector^{TM} Global Quantum Leaders
- Currency: USD
- Approach: Pure-Play/Patents
- Potential market participants: Companies involved in the development of quantum computing technology or are leaders in ownership of quantum computing related patents.
- Geographical boundaries: Global exposure. Stocks listed on exchanges in hard to access markets may not be eligible for this index, as defined in the index guide.
- Full market capitalization: 9trn USD
- Investable market capitalization: 7.2trn USD
- Number of constituents of the eligible universe: 68
- Number of constituents of the Index: 30

46. MarketVector™ Global Video Gaming & eSports ESG
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies involved in video gaming and eSports.
- Geographical boundaries: Global exposure.
- Full market capitalization: 1.2trn USD
- Investable market capitalization: 802bln USD
- Number of constituents of the eligible universe: 52
- Number of constituents of the Index: 25

47. MarketVector™ US Business Development Companies Liquid
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies classified as business development companies in the USA.
- Geographical boundaries: Must be listed and incorporated in the USA.
- Full market capitalization: 66bln USD
- Investable market capitalization: 62bln USD
- Number of constituents of the eligible universe: 32
- Number of constituents of the Index: 25

48. MarketVector™ US Listed AI and Power Infrastructure
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies involved in the critical electrical grid and AI infrastructure.
- Geographical boundaries: Must be listed in the US.

- Full market capitalization: 5.8trn USD
- Investable market capitalization: 4.5trn USD
- Number of constituents of the eligible universe: 59
- Number of constituents of the Index: 53

49. MarketVector™ US Listed Fabless Semiconductor
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies involved in the semiconductor industry and operating as fabless semiconductor companies.
- Geographical boundaries: Must be listed in the US.
- Full market capitalization: 5.2trn USD
- Investable market capitalization: 4.1trn USD
- Number of constituents of the eligible universe: 23
- Number of constituents of the Index: 22

50. MarketVector™ US Listed Office and Commercial REITs
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Real Estate Investment Trusts that focus on the office, industrial, or retail real estate segments.
- Geographical boundaries: Stocks must be listed on a US exchange.
- Full market capitalization: 304bln USD
- Investable market capitalization: 195bln USD
- Number of constituents of the eligible universe: 57
- Number of constituents of the Index: 24

51. MVIS® Australia A-Reits (AUD)
- Currency: AUD

- Approach: Pure-Play
- Potential market participants: Australia incorporated or active REITS with an Australian listing.
- Geographical boundaries: Must be listed in Australia and either incorporated or with significant activities there,
- Full market capitalization: 153bln AUD
- Investable market capitalization: 98bln AUD
- Number of constituents of the eligible universe: 20
- Number of constituents of the Index: 15

52. MVIS® Australia Banks (AUD)
- Currency: AUD
- Approach: Pure-Play
- Potential market participants: Australia incorporated or active Banks with an Australian listing
- Geographical boundaries: Must be listed in Australia and either incorporated or with significant activities there,
- Full market capitalization: 663bln AUD
- Investable market capitalization: 544bln AUD
- Number of constituents of the eligible universe: 7
- Number of constituents of the Index: 7

53. MVIS® Digital India
- Currency: USD
- Approach: Pure-Play
- Potential market participants: India incorporated or active digital companies.
- Geographical boundaries: Global exposure.
- Full market capitalization: 942bln USD
- Investable market capitalization: 435bln USD

- Number of constituents of the eligible universe: 103
- Number of constituents of the Index: 45

54. MVIS® Global Bionic Healthcare ESG
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies involved in implants, bioprinting, prosthesis, or preservation of organs and tissue.
- Geographical boundaries: Global exposure.
- Full market capitalization: 474bln USD
- Investable market capitalization: 369bln USD
- Number of constituents of the eligible universe: 44
- Number of constituents of the Index: 25

55. MVIS® Global Digital Assets Equity
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies involved in digital assets business.
- Geographical boundaries: Global exposure.
- Full market capitalization: 196bln USD
- Investable market capitalization: 161bln USD
- Number of constituents of the eligible universe: 23
- Number of constituents of the Index: 20

56. MVIS® Global Future Healthcare ESG
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies must be involved in the genomic

health care and electronic healthcare industries.
- Geographical boundaries: Global exposure.
- Full market capitalization: 537bln USD
- Investable market capitalization: 341bln USD
- Number of constituents of the eligible universe: 120
  Number of constituents of the Index: 49

57. MVIS® Global Future of Food ESG
- Currency: USD
- Approach: Global Thematic: Revenue Exposure
- Potential market participants: Companies involved in the organic or alternative meat/dairy products, precision agriculture or urban farming technology, or food flavors industries.
- Geographical boundaries: Global exposure.
- Full market capitalization: 251bln USD
- Investable market capitalization: 181bln USD
- Number of constituents of the eligible universe: 36
- Number of constituents of the Index: 35

58. MVIS® Global Gaming
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies involved in gaming business.
- Geographical boundaries: Global exposure.
- Full market capitalization: 340bln USD
- Investable market capitalization: 205bln USD
- Number of constituents of the eligible universe: 60
  Number of constituents of the Index: 31

59. MVIS® Global Hydrogen Economy ESG
- Currency: USD
- Approach: Pure-Play (incl. exceptions)
- Potential market participants: Companies involved in hydrogen economy.
- Geographical boundaries: Global exposure.
- Full market capitalization: 297bln USD
- Investable market capitalization: 217bln USD
- Number of constituents of the eligible universe: 22
  Number of constituents of the Index: 22

60. MVIS® Global Low Carbon Energy
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies involved with renewable sources of energy and reduction of energy consumption.
- Geographical boundaries: Global exposure.
- Full market capitalization: 2.0trn USD
- Investable market capitalization: 1.4trn USD
- Number of constituents of the eligible universe: 134
  Number of constituents of the Index: 58

61. MVIS® Global Space Industry ESG
- Currency: USD
- Approach: Global Thematic: Revenue Exposure
- Potential market participants: Companies involved in space travel or exploration, or satellite-based communication industries.
- Geographical boundaries: Global exposure.
- Full market capitalization: 71blnUSD
- Investable market capitalization: 43bln USD

- Number of constituents of the eligible universe: 29
- Number of constituents of the Index: 25

62. MVIS® Global Video Gaming & eSports
- Currency: USD and AUD
- Approach: Pure-Play
- Potential market participants: Companies involved in video gaming and eSports.
- Geographical boundaries: Global exposure.
- Full market capitalization: 1.2trn USD
- Investable market capitalization: 802bln USD
- Number of constituents of the eligible universe: 53
- Number of constituents of the Index: 25

63. MVIS® US Business Development Companies
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies classified as business development companies in the USA.
- Geographical boundaries: Must be listed and incorporated in the USA.
- Full market capitalization: 66bln USD
- Investable market capitalization: 63bln USD
- Number of constituents of the eligible universe: 32
  Number of constituents of the Index: 26

64. MVIS® US Listed Biotech 25
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies involved in biotech.

- Geographical boundaries: Global exposure. Stocks must be listed on a US exchange.
- Full market capitalization: 800bln USD
- Investable market capitalization: 541bln USD
- Number of constituents of the eligible universe: 264
- Number of constituents of the Index: 25

65. MVIS® US Listed Pharmaceutical 25
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies involved in the pharmaceutical industry.
- Geographical boundaries: Global exposure. Stocks must be listed on a US exchange.
- Full market capitalization: 3.2trn USD
- Investable market capitalization: 2.5trn USD
- Number of constituents of the eligible universe: 60
  Number of constituents of the Index: 24

66. MVIS® US Listed Retail 25
- Currency: USD
- Approach: Pure-Play
- Potential market participants: : Companies involved in retail.
- Geographical boundaries: Global exposure. Stocks must be listed on a US exchange.
- Full market capitalization: 4.8trn USD
- Investable market capitalization: 3.6trn USD
- Number of constituents of the eligible universe: 111
  Number of constituents of the Index: 25

67. MVIS® US Listed Semiconductor 10% Capped ESG
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies involved in the semiconductor industry.
- Geographical boundaries: Global exposure. Stocks must be listed on a US exchange.
- Full market capitalization: 7.3trn USD
- Investable market capitalization: 6.0trn USD
- Number of constituents of the eligible universe: 76
- Number of constituents of the Index: 25

68. MVIS® US Listed Semiconductor 25
- Currency: USD
- Approach: Pure-Play
- Potential market participants: Companies involved in the semiconductor industry.
- Geographical boundaries: Global exposure. Stocks must be listed on a US exchange.
- Full market capitalization: 7.3trn USD
- Investable market capitalization: 6.0trn USD
- Number of constituents of the eligible universe: 79
  Number of constituents of the Index: 25

69. MVIS® US Mortgage REITs
- Currency: USD
- Approach: Pure-Play
- Potential market participants: US listed real estate investment trusts active in

mortgages.
- Geographical boundaries: Must be listed and incorporated in the USA.
- Full market capitalization: 54bln USD
- Investable market capitalization: 43bln USD
- Number of constituents of the eligible universe: 31
  Number of constituents of the Index: 25

7	2.2. Potential Limitations RTS Article 1 No. 3 (a)	The Benchmark Statement shall describe the potential limitations of each Index and circumstances in which the measurement of the market of economic reality may become unreliable. It shall include:	There may be events outside the influence of MarketVector™ that limit the availability of relevant input data for an Index. Examples for possible events are the temporary closure of a stock exchange, measures imposed by a governmental body, central bank or regulatory or monetary authority like sanctions or the prohibition to trade certain securities.
		- A description of the circumstances in which the administrator would lack sufficient input data to determine the benchmark in accordance with the methodology.	MarketVector™ policies and procedures consider such situations and provide for measures and steps to be taken to manage respective situations in the best interest of, on one side, the users of the relevant Index or family of Indexes and, on the other side, the integrity of capital markets.
			The Index Guide of the relevant Index determines the kind of input data and the prices used for an Index. If a price is not available, the benchmark may cease to provide an accurate representation of the underlying economic reality because in these cases the last available closing price for the relevant constituent will be used to calculate the Index. This will also be the case if the relevant constituents continue to trade on venues that are not eligible for use by the relevant Index, or if they trade over-the counter.

MarketVector™ will not use input data from a contributor if it has any indication that the Contributor does not adhere to its Code of Conduct for Contributors and in such a case shall obtain representative publicly available data.

8	2.2 Use of discretion RTS Art. 1 No. 4	The Benchmark Statement shall describe the controls and rules that govern any exercise of judgement or discretion by the administrator or any contributors in calculating the Index.	The MarketVector™ Sector Indexes Family is administered based on strict rules and methodologies and allows very limited discretion of the administrator throughout the process determining the constituent of the index. No committee and/or individual has the power to exercise discretion if it comes to the selection of the components of an Index.
		It shall also include an outline of each step of the process for any ex post evaluation of the use of discretion, together with a clear indication of the position of any persons responsible for carrying out the evaluations.	Only if input data are or appear to be qualitatively inferior or different sources provide different data, or a situation is not covered by the index rules, MarketVector™ may use discretion according to the following rules that apply for all of MarketVector™ Indexes. 1. As the result of plausibility check of liquidity and size data, ownership structures, revenue and asset breakdowns, corporate action information, dividends, volatility and other secondary data is or appears to be inferior or different in different data sources; or 2. A situation is not covered by the index rules (for example: The number or constituents required by the Index rules is higher than the number of constituents selected according to the Index methodology) 3. The index operations team must analyze if the decision in which it uses discretion is required, appropriate, commensurable and in line with the respective index scope and objective and does reasonably consider in a

balance way the interest of users, investors in related products and the integrity of the market.

4. Any decision involving material judgement or discretion and the reasoning must be documented and, in case of material decisions, the respective documentation must be provided to the Independent Oversight Function ("IOF"), senior management and compliance for prior approval of the relevant decision.

5. In case of material decisions, the Independent Oversight Function, senior management and Compliance check if the decision reasonably weights the different interest of the index users, the integrity of the market and other involved parties. It will also be reviewed if the suggested decision is the least disadvantageous measure that equally considers the relevant interests best.

6. In order to avoid similar individual decisions on the use of data in similar cased for the future an update of the index rules, the change of input data sources or providers and/or own data research where possible and reasonable and other possible mitigation measures will be considered.

| 9 | Index Methodology Change RTS Art. 1 No. 5 | The Benchmark Statement shall specify the public consultation process that applies to any material changes of the Index methodology. | Significant changes and/or amendments to the methodology of an Index of the MarketVector™ Sector Index Family will be subject to public consultation according to a respective MarketVector™ procedure.

An intended change of the Index Methodology will only be published if the internal control and governance bodies including the relevant operations employee, senior management, the Independent Oversight Function and the Compliance Department, have approved it internally.

In case of material changes of the methodology of an Index an advance notice will be published and provided to users. MarketVector™ will generally publicly |

disseminate a notification related to an Index Guide change 30 days prior to the change on its Website. A shorter period may be applied at MarketVector^{TM} discretion if either the relevant Index has not been licensed to a third party or if the index is not used for a registered financial product in the EU. The notice will describe a clear period that gives the opportunity to analyze and comment upon the impact of such proposed material change. Any material comments received in relation to the Index Methodology change and MarketVector^{TM} response to those comments will be made publicly accessible after any consultation, except where confidentiality has been requested by the originator of the comments.

B. Additional Information for MarketVector^{TM} Indexes

This Benchmark Statement is part of the entire Index documentation and framework and therefore refers to the documents in the following table. These documents are publicly available on www.marketvector.com. You may need to register in order to get access to the documents.

Privacy Policy	The privacy policy describes how MarketVector™ deals with personal information of its customers, website visitors and other individuals.
Terms of Service	The Terms of Service define the way to register for Index Information and govern the use of Index data, the requirement to enter into licensing agreements for commercial use of the Indexes and Index data, complaints handling and other elements of the relationship with users of the website and clients.
Index Guide	The Index Guide contains the relevant definitions of all key terms relating to the Indexes (Article 27 (2) a) BMR). It also describes the Index methodology, key procedures and policies for the change of the Index Methodology and cessation of the Index, the use of discretion, the use of Input Data and the key rules for the Index calculation.
Factsheet	The Factsheet contains current information about Key Features, Index Data, Country and Size Weightings, Sector Weightings, Index Components and Symbols.
History	The History of an Index means the historical pricing data that shows the value of the Index on a specific date in the past.
Components	The Components document shows the current components of the index, incl. identifiers, prices, weighting factors, weights and the index divisor.
Review	The latest Review document shows the latest changes during the last review. It shows which components were deleted or added to an Index and the weighting factors for the period until the next review is implemented.

Trading Calendar   The Trading Calendar describes the non-dissemination days of the MarketVector^{TM} Indexes for the current year.

Index Symbols   The Index Symbols document shows the available Index identifiers as ISIN, Sedol, WKN, Bloomberg ticker and others.

C. Important Information and Disclaimer

MarketVector^{TM} reviews this Benchmark Statement on an ongoing basis, at least once every two years. In case of material changes to the methodology of an Index MarketVector Indexes will make an appropriate and timely update of the Benchmark Statement to ensure that it remains correct, precise and complies with the current requirements of investors, Index users as well as rules and regulations.

MarketVector Indexes GmbH is authorized and regulated by the German Federal Financial Services Supervisory Agency (Bundesanstalt für Finanzdienstleistungsaufsicht, BaFin) as a benchmark administrator.