

Benchmarks Statement

As per regulation EU2016/1011, the “EU Benchmarks Regulation” / “BMR”

1. Version Control

Version Number	Editor	Date (dd/mm/yyyy)	Comments
0.1	Gareth Parker	9/04/2018	First issue
0.5	Gareth Parker	15/11/2018	Final review prior to ROBO review.
0.6	Gareth Parker	03/12/2018	Update to calculation days language
1.0	Brad Baker	04/12/2018	Approved by ROBO Global®
1.1	Brad Baker	10/12/2018	Revised index codes ROBO Global® Artificial Intelligence Index
1.2	Brad Baker	17/09/2019	Updated index list to include HTEC series and currently used benchmarks

2. Distribution

Name	Firm/Department	Location
Gareth Parker	Moorgate Benchmarks	London
Brad Baker	ROBO Global®	Dallas
Clay Shepherd	ROBO Global®	Dallas
Richard Lightbound	ROBO Global®	London

General Information

This document is the benchmark statement for the ROBO Global® Set of Indices. The document was first created on 9th April 2018 and updates made as per the version control above.

Benchmark ISINs

The ROBO Global® Set of Indices, listed below, are available for use in the European Union. Indexes highlighted in blue shading are, as at the latest update of this document, used as benchmarks within the Union.

Index	Symbol	ISIN	Calculation Method	Currency	Live Calculation (dd.mm.yyyy)
ROBO Global Robotics and Automation Index	ROBO	DE000SLA02U8	Price Return	USD	02.08.2013
ROBO Global Robotics and Automation Index TR	ROBOTR	DE000SLA02V6	Net Total Return	USD	02.08.2013
ROBO Global Robotics and Automation UCITS Index	ROBOT	DE000SLA4RB7	Net Total Return	USD	16.06.2014
ROBO Global Robotics and Automation UCITS Price Return Index	ROBOTPR	DE000SLA5RB4	Price Return	USD	16.06.2014
ROBO Global Artificial Intelligence Index	THNQ	DE000SLA64P8	Price Return	USD	21.08.2018
ROBO Global Artificial Intelligence Index TR	THNQTR	DE000SLA64Q6	Net Total Return	USD	21.08.2018
ROBO Global Healthcare Technology and Innovation Index	HTEC	DE000SLA73P9	Price Return	USD	30.04.2019
ROBO Global Healthcare Technology and Innovation Index TR	HTECTR	DE000SLA73Q7	Net Total Return	USD	30.04.2019
ROBO Global Robotics, Automation and AI High Revenue Index	ROBOHRPR	DE000SLA5CG5	Price Return	USD	02.02.2018
ROBO Global Robotics, Automation and AI High Revenue Net Return Index	ROBOHRNR	DE000SLA5CH3	Net Total Return	USD	02.02.2018
ROBO Global Robotics, Automation and AI Growing Revenue Index	ROBOGRPR	DE000SLA5CJ9	Price Return	USD	02.02.2018
ROBO Global Robotics, Automation and AI Growing Revenue Net Return Index	ROBOGRNR	DE000SLA5CK7	Net Total Return	USD	02.02.2018
ROBO Global Robotics, Automation and AI Technology Index	ROBOTEPR	DE000SLA5CL5	Price Return	USD	02.02.2018
ROBO Global Robotics, Automation and AI Technology Net Return Index	ROBOTENR	DE000SLA5CQ4	Net Total Return	USD	02.02.2018
ROBO Global Robotics, Automation and AI Applications Index	ROBOAPPR	DE000SLA5CR2	Price Return	USD	02.02.2018
ROBO Global Robotics, Automation and AI Applications Net Return Index	ROBOAPNR	DE000SLA5CS0	Net Total Return	USD	02.02.2018
ROBO Global Robotics, Automation and AI North America Index	ROBONAPR	DE000SLA5CT8	Price Return	USD	02.02.2018
ROBO Global Robotics, Automation and AI North America Net Return Index	ROBONANR	DE000SLA5CU6	Net Total Return	USD	02.02.2018
ROBO Global Robotics, Automation and AI World ex-North America Index	ROBOXAPR	DE000SLA5CV4	Price Return	USD	02.02.2018
ROBO Global Robotics, Automation and AI World ex-North America Net Return Index	ROBOXANR	DE000SLA5CW2	Net Total Return	USD	02.02.2018

Index	Symbol	ISIN	Calculation Method	Currency	Live Calculation (dd.mm.yyyy)
ROBO Global Robotics, Automation and AI EMEA Index	ROBOEAPR	DE000SLA5CX0	Price Return	USD	02.02.2018
ROBO Global Robotics, Automation and AI EMEA Net Return Index	ROBOEANR	DE000SLA5CY8	Net Total Return	USD	02.02.2018
ROBO Global Robotics, Automation and AI Japan Index	ROBOJNPR	DE000SLA5CZ5	Price Return	USD	02.02.2018
ROBO Global Robotics, Automation and AI Japan Net Return Index	ROBOJNNR	DE000SLA5C06	Net Total Return	USD	02.02.2018
ROBO Global Japan Robotics and Automation UCITS Index	ROBOJP	DE000SLA1DW9	Net Total Return	JPY	22.09.2016
ROBO Global Japan Robotics and Automation UCITS Index (PR)	ROBOJPPR	DE000SLA1DX7	Price Return	JPY	22.09.2016
ROBO Global Robotics, Automation and AI Asia Index	ROBOASPR	DE000SLA5C14	Price Return	USD	02.02.2018
ROBO Global Robotics, Automation and AI Asia Net Return Index	ROBOASNR	DE000SLA5C22	Net Total Return	USD	02.02.2018
ROBO Global Robotics, Automation and AI Hedged to EUR Index	ROBOECPR	DE000SLA5P43	Price Return	USD	31.12.2017
ROBO Global Robotics, Automation and AI Hedged to EUR Net Return Index	ROBOECNR	DE000SLA5P50	Net Total Return	USD	31.12.2017
ROBO Global Robotics, Automation and AI Hedged to GBP Index	ROBOGBPR	DE000SLA5P27	Price Return	USD	31.12.2017
ROBO Global Robotics, Automation and AI Hedged to GBP Net Return Index	ROBOGBNR	DE000SLA5P35	Net Total Return	USD	31.12.2017
ROBO Global Robotics, Automation and AI Hedged to USD Index	ROBOUSPR	DE000SLA5PY0	Price Return	USD	31.12.2017
ROBO Global Robotics, Automation and AI Hedged to USD Net Return Index	ROBOUSNR	DE000SLA5PZ7	Net Total Return	USD	31.12.2017
ROBO Global Robotics, Automation and AI Hedged to Yen Index	ROBOYEPR	DE000SLA5P01	Price Return	USD	31.12.2017
ROBO Global Robotics, Automation and AI Hedged to Yen Net Return Index	ROBOYENR	DE000SLA5P19	Net Total Return	USD	31.12.2017
ROBO Global Robotics and Automation UCITS Hedged to Yen Index	ROBOYN	DE000SLA2W21	Net Total Return	USD	01.12.2016
ROBO Global Robotics and Automation UCITS Hedged to Yen Price Return Index	ROBOYNPR	DE000SLA2W39	Price Return	USD	01.12.2016
ROBO Global Robotics and Automation 18% Volatility Target Index	ROBOVT18	DE000SLA56Y6	Net Total Return	USD	10.07.2018
ROBO Global Disruptive Technology Index	RUPTTR	DE000SLA9RT8	Net Total Return	USD	19.11.2014
ROBO Global Disruptive Technology Price Return Index	RUPT	DE000SLA9RU6	Price Return	USD	19.11.2014

Nature of Benchmarks & Source of Input Data

The ROBO Global® Set of Indices use traded exchange prices sourced from exchanges either regulated by the EU or meeting the requirements of Article 3(24)(a). They do not use contributed input data and are hence all regulated-data benchmarks.

Definition of Market / Economic Reality

A full description of the market reality and geographical boundaries covered by each of the ROBO Global® indices, as well as a full description of the creation, administration and calculation of the indices, is set out in the methodology document – the Rules for the Management of the ROBO Global® Set of Indices, available from www.roboglobal.com.

Lack of Input Data

The calculation of each ROBO Global® index is reliant on traded prices received from the various exchanges on which the index constituents trade. ROBO Global®, as administrator, considers that input data should be considered insufficient for calculation on days where the London Stock Exchange is not open for trading in the case of the ROBO Global® UCITS indices, and on days that the New York Stock Exchange is not open for trading, in the case of the remaining ROBO Global indices. Accordingly, the methodology notes that the calculated values of the indices on days when the above criteria are not met could be impacted.

The indices' constituents and methodology are reviewed on a quarterly basis, to ensure:

- That changes in index constituents' circumstances are acted on (where necessary) to ensure the indices only comprise constituents that suitably represent the underlying economic interest.
- That only constituents for which the required level of information is available are selected.
- That the methodology itself continues to deliver indices that represent the underlying economic interest.

Methodology Accuracy

The methodology used in the calculation of the ROBO Global® Set of Indices ensures:

- That only constituents with sufficient liquidity can become, or remain constituents of the indices.
- That users are aware that the indices calculated on days when large markets are not open for trading may be impacted.
- That the Index Management Committee has sufficient control over the management of the indices such that unforeseen circumstances can be acted upon, if appropriate, subject to later assessment of its actions by the Oversight Function.

Use of Expert Judgement / Discretion

The Index Management Committee takes particular pains to ensure the index methodology, which was developed from very significant market experience, is updated whenever appropriate to reflect changing circumstances. For example, as assets under management grew in products tracking the indices, new rules were introduced after market consultation, to ensure the extent of ownership of constituent companies by such products was controlled.

As a result, discretion / expert judgement in the calculation of the indices is extremely rare, limited to the identification of an appropriate approach for handling unusual corporate events. Where it is necessary, and wherever possible, the index calculation agent confers with the Index Management Committee. After any such discretion or expert judgement is applied, the Committee considers whether the approach taken was suitable, and whether the methodology should be updated to ensure the handling of a repetition of the event is clear.

Other than the handling of corporate events, ROBO Global® believes discretion / expert judgement might be used in the general area of stock trading suspensions. The ROBO Global® methodology provides a standard approach for handling suspensions, based upon the length of a suspension. However, companies' trading can be halted for various reasons, including in some circumstances at the request of their management, and there may be scenarios where it would be appropriate, in order to minimise disruption to the indices and to minimise cost to index product investors, to retain an index constituent within the indices rather than to remove it as per the methodology.

Consultations on Material Changes to the Methodology

ROBO Global® maintains a written Benchmark Change and Cessation Policy that details its process for consulting stakeholders when a material change to the methodology is proposed. In summary, the Policy establishes:

- A definition of materiality
- That any stakeholder can propose a change to the methodology
- That proposed changes will initially be considered by the Index Management Committee
- That where material, the Committee will consult with stakeholders
- That the final decision regarding a proposed change rests with the Index Management Committee
- That suitable forewarning will be given to stakeholders of a material change wherever possible, with a clear timetable for the implementation of the change.
- That there may be changes resulting from external factors (those beyond the control of ROBO Global®) that require changes to be made more rapidly.

Updates to this Benchmark Statement

An update of this benchmark statement will be made whenever the information it provides is no longer correct or sufficiently precise, whenever there is a material change in the methodology for determining the indices, and will be in any case, reviewed at least annually.