

INDEX RULES SUPPLEMENT

Dated as of 26 September 2019

Index Administrator

Credit Suisse International

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1 Introduction

Part A of this document (this “**Index Rules Supplement**”) amends and supplements, except where otherwise specified, all indices existing on 25 September 2019 where the relevant index rules or methodology indicate that the index sponsor and/or index creator and/or index administrator role is carried out solely by Credit Suisse Securities (Europe) Limited (“**CSSEL**”) (the “**Transferred Indices**”).

Part B of this Index Rules Supplement amends and supplements, except where otherwise specified, all indices existing on 25 September 2019 where the relevant index rules or methodology indicate that the index sponsor and/or index creator and/or index administrator role is carried out by Credit Suisse International (“**CS**”) (and such index is not a Transferred Index) (the “**Legacy Indices**”, and together with the Transferred Indices, the “**CS Indices**”).

On or after the date of this Index Rules Supplement the index rules of each CS Index shall be read as modified hereby.

2 Background

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 (the “**BMR**”) creates a regime for benchmark administrators intended to ensure the accuracy and integrity of benchmarks. The scope of the BMR includes the provision of benchmarks by administrators, the contribution of input data to a benchmark by contributors and the use of benchmarks by supervised entities within the European Union (“**EU**”).

The principal provisions of the BMR applied from 1 January 2018. EU benchmark administrators already providing a benchmark on 30 June 2016 have until 1 January 2020 to submit their applications for registration, during which time and until any final rejection of the application EU supervised entities may continue to use existing benchmarks as well as new benchmarks offered by such administrators in accordance with the BMR’s transitional provisions.

3 Transfer of CSSEL’s administrator roles

Credit Suisse Group AG and its subsidiaries (collectively, the “**CS Group**”) administer a number of indices that constitute “benchmarks” for the purposes of the BMR. In order to comply with the BMR the administrator of these indices will need to apply to the relevant competent authority for

authorisation or registration by 1 January 2020. Following an internal review, CS Group has decided to consolidate all index administration within CS. CS will therefore be the legal entity for which registration as an administrator will be sought from the United Kingdom (“**UK**”) competent authority, the Financial Conduct Authority, under the BMR.

In preparation for CS’s application for registration as an administrator under the BMR:

- (i) CSSEL transferred its role as administrator, sponsor or index creator (howsoever expressed) in respect of each Transferred Index; and
- (ii) CS assumed the administration, sponsor or index creator role of each Transferred Index,

in each case with effect from 26 September 2019 on the terms of the index rules of each Transferred Index existing on 25 September 2019 as modified as set out in Part A below.

4 Legacy Indices

In preparation for CS’s application for registration as an administrator under the BMR, with effect from 26 September 2019 the terms of the index rules of each Legacy Index is modified as set out in Part B below.

Part A

With effect from 26 September 2019 the index rules of each Transferred Index shall be amended as follows:

1. Any provision or heading specifying Credit Suisse Securities (Europe) Limited as the Index Sponsor or the Index Creator, as relevant, or as the person publishing the document containing the index rules shall be amended by deleting the words “Credit Suisse Securities (Europe) Limited” and replacing them with the words “Credit Suisse International”.
2. Subject to paragraph 5 below, any references to Credit Suisse Securities (Europe) Limited shall be deleted and replaced with Credit Suisse International.
3. Subject to paragraph 5 below, any references to CSSEL shall be deleted and replaced by CS.
4. Any references to CSI shall be deleted and replaced by CS.
5. Any references to an agreement to which Credit Suisse Securities (Europe) Limited is a party shall be preserved but amended so as to refer to such agreement as amended, novated to CS or replaced by an agreement with CS from time to time.
6. In the disclaimer section the sentence (if any) stating that CS (including where references to CSSEL are deemed to refer to CS) is authorised and regulated by the Financial Services Authority shall be deleted and replaced with the following:

“CS is authorised by the Prudential Regulation Authority (“**PRA**”) and regulated by the Financial Conduct Authority (“**FCA**”) and the PRA.”

Any reference to the rules of the FSA shall be deleted and replaced with the words “the rules of neither the FCA nor the PRA”.

7. If, as a result of the above modifications, CS is both the Index Sponsor or the Index Creator, as relevant, and the Index Calculation Agent in respect of a Transferred Index:
 - 7.1 any wording “Credit Suisse International (“CS”), Credit Suisse International (“CS”)” shall be deleted and replaced with “Credit Suisse International (“CS”)”;
 - 7.2 any statement that “Each of CS and CS” or “CS and CS” or “CS or CS” shall be deleted and replaced with “CS”;
 - 7.3 any statement that “neither the Index Sponsor, nor the Index Calculation Agent is responsible” shall be deleted and replaced with “CS is not responsible”;
 - 7.4 any statement that the Index Sponsor has appointed Credit Suisse International to act as the index calculation agent for the Transferred Index shall be amended to the effect that the Index Sponsor also acts as the index calculation agent for the Transferred Index;
 - 7.5 any statement that the Index Creator has appointed Credit Suisse International to act as the index calculation agent for the Transferred Index shall be amended to the effect that the Index Creator also acts as the index calculation agent for the Transferred Index.

8. In the first provision of the index rules identifying CS as the Index Sponsor, the following shall be added:

“The Index Sponsor also acts as the administrator (the “**Index Administrator**”) of the Index for the purposes 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 or any successor legislation applicable in the United Kingdom following its withdrawal from the EU.”

In the first provision of the index rules identifying CS as the Index Creator, the following shall be added:

“The Index Creator also acts as the administrator (the “**Index Administrator**”) of the Index for the purposes 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 or any successor legislation applicable in the United Kingdom following its withdrawal from the EU.”

9. In the disclaimer section of the index rules relating to CS, where CS is the Index Sponsor, the following sentence shall be added:

“The Index Sponsor also acts as the administrator (the “**Index Administrator**”) of the Index for the purposes 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 (the “**BMR**”) or any successor legislation applicable in the United Kingdom following its withdrawal from the EU.”

In the disclaimer section of the index rules relating to CS, where CS is the Index Creator, the following sentence shall be added:

“The Index Creator also acts as the administrator (the “**Index Administrator**”) of the Index for the purposes 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 (the “BMR”) or any successor legislation applicable in the United Kingdom following its withdrawal from the EU.”

10. In the disclaimer section of the index rules the sentence (if any) stating that Index Sponsor or Index Creator, as relevant, and the Index Calculation Agent are part of the same group shall be amended to add “, the Index Administrator” before the words “and the Index Calculation Agent”.

11. Any provision of the index rules stating that CS is described as Index Sponsor and the Index Calculation Agent or any provision stating that CS is described as Index Sponsor shall be amended to the effect that CS is described as Index Administrator as well.

Any provision of the index rules stating that CS is described as Index Creator and the Index Calculation Agent or any provision stating that CS is described as Index Creator shall be amended to the effect that CS is described as Index Administrator as well.

12. Any provision of the index rules stating that CS may transfer or delegate to another entity some or all of its functions associated with the role of Index Sponsor and/ or Index Calculation Agent shall be amended to include the ability of CS to transfer to another entity the role of Index Administrator as well.

Any provision of the index rules stating that CS may transfer or delegate to another entity some or all of its functions associated with the role of Index Creator and/ or Index Calculation Agent shall be amended to include the ability of CS to transfer to another entity the role of Index Administrator as well.

13. Any provision of the index rules disclaiming responsibility of CS for any actions taken or omitted to be taken by the Index Rebalancing Entity in relation to the index shall be amended to include a reference to CS in its capacity as the Index Administrator.

14. At the end of the disclaimers section of the index rules that relates to CS the following text shall be included:

“CS does not seek to exclude or restrict any duty or liability it may have to a client under the regulatory system (as defined in the FCA Handbook) and these disclaimers should be construed accordingly. These disclaimers and risk warnings are subject to mandatory provisions of applicable law and regulation which apply to the Index Administrator or (where CS is the Index Calculation Agent) the Index Calculation Agent and nothing in these disclaimers shall exclude or restrict liability to a client to the extent such exclusion or restriction is not permitted by such law or regulation. Save for the foregoing these disclaimers shall apply to the fullest extent permitted by applicable law and regulation.

The Index Administrator may make any change or modification to the Index and/or the index rules which may be necessary or desirable for the purposes of ensuring compliance by the Index Administrator with its obligations under the BMR and any successor or additional benchmarks legislation or regulation applicable in the United Kingdom.”

15. At the end of the introduction section of the index rules or, if there is no such section, at the beginning of the definitions section of the index rules, the following text shall be added:

“Each Index described herein relies on data from external data providers and data sources which have been selected and pre-defined by CS and the relevant selection criteria and pre-defined data providers and data sources are stored in an internal data base maintained by CS. CS may change the data providers and data sources from time to time in accordance

with CS's internal governance procedures provided that any new data provider or data source meets CS's requirements.

While CS intends to use well established and reputable data providers, there is a risk that this data may be inaccurate, delayed or not up to date. There is also a risk that while the data is accurate, the data feed to CS is impaired. Such impairment to either the data or the data feed could affect the performance or continued operability of the Index.

Any reference in the index rules to (i) a price, value, level, rate, closing price, closing value, closing level, closing rate, official closing price, official closing value, official closing level, official closing rate, last available closing price, last available closing value, last available closing level, last available closing rate, valid price, fixing, official net asset value or similar of an asset underlying the Index (including but not limited to equities, funds, exchange traded funds (ETFs), commodities, indices, interest rates, FX rates, forward rates, net asset values, options, futures, as relevant), whether or not expressly stated to be (ii) determined, published, calculated, reported, quoted by or available on (iii) an exchange, clearing system, rate, value or price quoting or calculating entity (other than CS or an affiliate of CS) (including any fund administrator) is a description of the input data for the Index and not a description of the source of such input data. The source of such input data shall be the relevant data provider or data source chosen by CS and recorded in its internal data base, provided that the source for any such price, value, level or rate with respect to an asset underlying the Index, where such asset is an index administered, sponsored or created by CS or any of its affiliates, shall be the relevant Credit Suisse entity that is the administrator, sponsor or creator.”

16. If the index rules do not describe events the occurrence of which may lead to (i) a postponement or suspension of the determination of the Index, (ii) the determination of the Index based on estimated values or adjusted data or (iii) the ability of the administrator, sponsor or creator of the Index (in consultation with any relevant index committee) to supplement, amend (in whole or in part), revise, rebalance or withdraw the relevant Index, the following text shall be added:

- (a) in index rules identifying CS as the Index Sponsor:

“The Index Sponsor may supplement, amend (in whole or in part), revise, rebalance or withdraw the Index at any time (including, for the avoidance of doubt, by (i) suspending or delaying the calculation and publication of the Index or (ii) determining the Index on the basis of estimated or adjusted data and publishing such estimate) if, in the determination of the Index Sponsor, a General Disruption Event has occurred.

A supplement, amendment, revision or rebalancing may lead to a change in the way the Index is calculated or constructed.

The following events are each a “General Disruption Event”:

- (a) change in applicable law or regulation, or any decision or promulgation, or any change in the interpretation by any court, tribunal or regulatory authority of any applicable law or regulation;
 - (b) the occurrence, in respect of any instrument referenced in the calculation of the Index, of (I) any suspension of or limitation imposed on trading by any relevant exchange or other trading facility, (II) the closure of any relevant exchange or other trading facility before its scheduled closing time or (III) any other event that disrupts

or impairs the ability of market participants in general to effect transactions in, or obtain market values for, the relevant instrument;

(c) change in either (i) the liquidity of any instrument referenced in the calculation of the Index (including the application of any gating, side-pocketing or other similar arrangement), (ii) the form of payment of a transaction linked to any such instrument, (iii) the trading volume, terms or listing of any such instrument; or (iv) the method by which the value of an such instrument is calculated;

(d) any event that, in the determination of the Index Sponsor, has a material adverse effect on the ability of a market participant to establish, maintain, value, rebalance or unwind a hedge position (which may include physical investments or entering into futures contracts or OTC derivatives) in relation to an investment product linked to the Index, including an instrument referenced in the calculation of the Index; and

(e) the failure, suspension or postponement of any calculation within the Index in respect of any day on which the Index is to be calculated, any event resulting in a breakdown in any means of communication or a procedure normally used to enable the determination of the Index, any other event, in the determination of the Index Sponsor preventing the prompt or accurate determination of the Index.”

(b) in index rules identifying CS as the Index Creator:

“The Index Creator may supplement, amend (in whole or in part), revise, rebalance or withdraw the Index at any time (including, for the avoidance of doubt, by (i) suspending or delaying the calculation and publication of the Index or (ii) determining the Index on the basis of estimated or adjusted data and publishing such estimate) if, in the determination of the Index Creator, a General Disruption Event has occurred.

A supplement, amendment, revision or rebalancing may lead to a change in the way the Index is calculated or constructed.

The following events are each a “General Disruption Event”:

(a) change in applicable law or regulation, or any decision or promulgation, or any change in the interpretation by any court, tribunal or regulatory authority of any applicable law or regulation;

(b) the occurrence, in respect of any instrument referenced in the calculation of the Index, of (I) any suspension of or limitation imposed on trading by any relevant exchange or other trading facility, (II) the closure of any relevant exchange or other trading facility before its scheduled closing time or (III) any other event that disrupts or impairs the ability of market participants in general to effect transactions in, or obtain market values for, the relevant instrument;

(c) change in either (i) the liquidity of any instrument referenced in the calculation of the Index (including the application of any gating, side-pocketing or other similar arrangement), (ii) the form of payment of a transaction linked to any such instrument, (iii) the trading volume, terms or listing of any such instrument; or (iv) the method by which the value of an such instrument is calculated;

(d) any event that, in the determination of the Index Creator, has a material adverse effect on the ability of a market participant to establish, maintain, value, rebalance or unwind a hedge position (which may include physical investments or entering into

futures contracts or OTC derivatives) in relation to an investment product linked to the Index, including an instrument referenced in the calculation of the Index; and

(e) the failure, suspension or postponement of any calculation within the Index in respect of any day on which the Index is to be calculated, any event resulting in a breakdown in any means of communication or a procedure normally used to enable the determination of the Index, any other event, in the determination of the Index Creator preventing the prompt or accurate determination of the Index.”

17. If the index rules contain a definition of General Disruption Event (whether as a result of the amendment pursuant to paragraph 16 above or otherwise), or if there is no such definition but the index rules contain another defined term (the “**Analogous Term**”) describing events the occurrence of which may lead to (i) a postponement or suspension of the determination of the Index, (ii) the determination of the Index based on estimated values or adjusted data or (iii) the ability of the administrator, sponsor or creator of the Index (in consultation with any relevant index committee) to supplement, amend (in whole or in part), revise, rebalance or withdraw the relevant Index, at the end of such General Disruption Event or Analogous Term definition, the following events shall be added:

“the failure of any price source to publish, announce, display, report or disseminate any relevant price, value, level, rate or other data necessary for the determination of the index value;

the level published on any price source in relation to any price, value, level, rate or other data necessary to determine any index value is significantly different to the level of such data prevailing in the market; or

a material change by the price source in the content, composition, constitution of, or in the formula for or method of calculating (a “**Material Change**”) any price, value, level, rate or other data necessary to determine any index value (including where any such Material Change is due to an amendment or other modification to the rules and/or regulations of the price source).”

18. Where the index rules in respect of a Transferred Index comprise more than one document (including any master index rules), the above amendments, to the extent applicable, shall be made in each document.

Part B

With effect from 26 September 2019 the index rules of each Legacy Index shall be amended as follows.

1. In the first provision of the index rules identifying CS as the Index Sponsor, the following shall be added:

“The Index Sponsor also acts as the administrator (the “**Index Administrator**”) of the Index for the purposes 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 or any successor legislation applicable in the United Kingdom following its withdrawal from the EU.”

In the first provision of the index rules identifying CS as the Index Creator, the following shall be added:

“The Index Creator also acts as the administrator (the “**Index Administrator**”) of the Index for the purposes 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 or any successor legislation applicable in the United Kingdom following its withdrawal from the EU.”

2. In the disclaimer section of the index rules relating to CS, where CS is the Index Sponsor, the following sentence shall be added:

“The Index Sponsor also acts as the administrator (the “**Index Administrator**”) of the Index for the purposes 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 (the “**BMR**”) or any successor legislation applicable in the United Kingdom following its withdrawal from the EU.”

In the disclaimer section of the index rules relating to CS, where CS is the Index Creator, the following sentence shall be added:

“The Index Creator also acts as the administrator (the “**Index Administrator**”) of the Index for the purposes 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 (the “**BMR**”) or any successor legislation applicable in the United Kingdom following its withdrawal from the EU.”

3. In the disclaimer section of the index rules the sentence (if any) stating that Index Sponsor or Index Creator, as relevant, and the Index Calculation Agent are part of the same group shall be amended to add “, the Index Administrator” before the words “and the Index Calculation Agent”.
4. Any provision of the index rules stating that CS is described as Index Sponsor and the Index Calculation Agent or any provision stating that CS is described as Index Sponsor shall be amended to the effect that CS is described as Index Administrator as well.

Any provision of the index rules stating that CS is described as Index Creator and the Index Calculation Agent or any provision stating that CS is described as Index Creator shall be amended to the effect that CS is described as Index Administrator as well.

5. Any provision of the index rules stating that CS may transfer or delegate to another entity some or all of its functions associated with the role of Index Sponsor and/ or Index Calculation Agent shall be amended to include the ability of CS to transfer to another entity the role of Index Administrator as well.

Any provision of the index rules stating that CS may transfer or delegate to another entity some or all of its functions associated with the role of Index Creator and/ or Index Calculation Agent shall be amended to include the ability of CS to transfer to another entity the role of Index Administrator as well.

6. Any provision of the index rules disclaiming responsibility of CS for any actions taken or omitted to be taken by the Index Rebalancing Entity in relation to the index shall be amended to include a reference to CS in its capacity as the Index Administrator.

7. At the end of the disclaimers section of the index rules that relates to CS the following text shall be included:

“CS does not seek to exclude or restrict any duty or liability it may have to a client under the regulatory system (as defined in the FCA Handbook) and these disclaimers should be construed accordingly. These disclaimers and risk warnings are subject to mandatory provisions of applicable law and regulation which apply to the Index Administrator or (where CS is the Index Calculation Agent) the Index Calculation Agent and nothing in these disclaimers shall exclude or restrict liability to a client to the extent such exclusion or restriction is not permitted by such law or regulation. Save for the foregoing these disclaimers shall apply to the fullest extent permitted by applicable law and regulation.

The Index Administrator may make any change or modification to the Index and/or the index rules which may be necessary or desirable for the purposes of ensuring compliance by the Index Administrator with its obligations under the BMR and any successor or additional benchmarks legislation or regulation applicable in the United Kingdom.”

8. At the end of the introduction section of the index rules or, if there is no such section, at the beginning of the definitions section of the index rules, the following text shall be added:

“Each Index described herein relies on data from external data providers and data sources which have been selected and pre-defined by CS and the relevant selection criteria and pre-defined data providers and data sources are stored in an internal data base maintained by CS. CS may change the data providers and data sources from time to time in accordance with CS’s internal governance procedures provided that any new data provider or data source meets CS’s requirements.

While CS intends to use well established and reputable data providers, there is a risk that this data may be inaccurate, delayed or not up to date. There is also a risk that while the data is accurate, the data feed to CS is impaired. Such impairment to either the data or the data feed could affect the performance or continued operability of the Index.

Any reference in the index rules to (i) a price, value, level, rate, closing price, closing value, closing level, closing rate, official closing price, official closing value, official closing level, official closing rate, last available closing price, last available closing value, last available closing level, last available closing rate, valid price, fixing, official net asset value or similar of an asset underlying the Index (including but not limited to equities, funds, exchange traded funds (ETFs), commodities, indices, interest rates, FX rates, forward rates, net asset values, options, futures, as relevant), whether or not expressly stated to be (ii) determined, published, calculated, reported, quoted by or available on (iii) an exchange, clearing system, rate, value or price quoting or calculating entity (other than CS or an affiliate of CS) (including any fund administrator) is a description of the input data for the Index and not a description of the source of such input data. The source of such input data shall be the relevant data provider or data source chosen by CS and recorded in its internal data base, provided that the source for any such price, value, level or rate with respect to an asset underlying the Index, where such asset is an index administered, sponsored or created by CS or any of its affiliates, shall be the relevant Credit Suisse entity that is the administrator, sponsor or creator.”

9. If the index rules do not describe events the occurrence of which may lead to (i) a postponement or suspension of the determination of the Index, (ii) the determination of the Index based on estimated values or adjusted data or (iii) the ability of the administrator, sponsor or creator of the Index (in consultation with any relevant index committee) to

supplement, amend (in whole or in part), revise, rebalance or withdraw the relevant Index, the following text shall be added:

(a) in index rules identifying CS as the Index Sponsor:

“The Index Sponsor may supplement, amend (in whole or in part), revise, rebalance or withdraw the Index at any time (including, for the avoidance of doubt, by (i) suspending or delaying the calculation and publication of the Index or (ii) determining the Index on the basis of estimated or adjusted data and publishing such estimate) if, in the determination of the Index Sponsor, a General Disruption Event has occurred.

A supplement, amendment, revision or rebalancing may lead to a change in the way the Index is calculated or constructed.

The following events are each a “General Disruption Event”:

(a) change in applicable law or regulation, or any decision or promulgation, or any change in the interpretation by any court, tribunal or regulatory authority of any applicable law or regulation;

(b) the occurrence, in respect of any instrument referenced in the calculation of the Index, of (I) any suspension of or limitation imposed on trading by any relevant exchange or other trading facility, (II) the closure of any relevant exchange or other trading facility before its scheduled closing time or (III) any other event that disrupts or impairs the ability of market participants in general to effect transactions in, or obtain market values for, the relevant instrument;

(c) change in either (i) the liquidity of any instrument referenced in the calculation of the Index (including the application of any gating, side-pocketing or other similar arrangement), (ii) the form of payment of a transaction linked to any such instrument, (iii) the trading volume, terms or listing of any such instrument; or (iv) the method by which the value of an such instrument is calculated;

(d) any event that, in the determination of the Index Sponsor, has a material adverse effect on the ability of a market participant to establish, maintain, value, rebalance or unwind a hedge position (which may include physical investments or entering into futures contracts or OTC derivatives) in relation to an investment product linked to the Index, including an instrument referenced in the calculation of the Index; and

(e) the failure, suspension or postponement of any calculation within the Index in respect of any day on which the Index is to be calculated, any event resulting in a breakdown in any means of communication or a procedure normally used to enable the determination of the Index, any other event, in the determination of the Index Sponsor preventing the prompt or accurate determination of the Index.”

(b) in index rules identifying CS as the Index Creator:

“The Index Creator may supplement, amend (in whole or in part), revise, rebalance or withdraw the Index at any time (including, for the avoidance of doubt, by (i) suspending or delaying the calculation and publication of the Index or (ii) determining the Index on the basis of estimated or adjusted data and publishing such estimate) if, in the determination of the Index Creator, a General Disruption Event has occurred.

A supplement, amendment, revision or rebalancing may lead to a change in the way the Index is calculated or constructed.

The following events are each a "General Disruption Event":

(a) change in applicable law or regulation, or any decision or promulgation, or any change in the interpretation by any court, tribunal or regulatory authority of any applicable law or regulation;

(b) the occurrence, in respect of any instrument referenced in the calculation of the Index, of (I) any suspension of or limitation imposed on trading by any relevant exchange or other trading facility, (II) the closure of any relevant exchange or other trading facility before its scheduled closing time or (III) any other event that disrupts or impairs the ability of market participants in general to effect transactions in, or obtain market values for, the relevant instrument;

(c) change in either (i) the liquidity of any instrument referenced in the calculation of the Index (including the application of any gating, side-pocketing or other similar arrangement), (ii) the form of payment of a transaction linked to any such instrument, (iii) the trading volume, terms or listing of any such instrument; or (iv) the method by which the value of an such instrument is calculated;

(d) any event that, in the determination of the Index Creator, has a material adverse effect on the ability of a market participant to establish, maintain, value, rebalance or unwind a hedge position (which may include physical investments or entering into futures contracts or OTC derivatives) in relation to an investment product linked to the Index, including an instrument referenced in the calculation of the Index; and

(e) the failure, suspension or postponement of any calculation within the Index in respect of any day on which the Index is to be calculated, any event resulting in a breakdown in any means of communication or a procedure normally used to enable the determination of the Index, any other event, in the determination of the Index Creator preventing the prompt or accurate determination of the Index."

10. If the index rules contain a definition of General Disruption Event (whether as a result of the amendment pursuant to paragraph 9 above or otherwise), or if there is no such definition but the index rules contain another defined term (the "Analogous Term") describing events the occurrence of which may lead to (i) a postponement or suspension of the determination of the Index, (ii) the determination of the Index based on estimated values or adjusted data or (iii) the ability of the administrator, sponsor or creator of the Index (in consultation with any relevant index committee) to supplement, amend (in whole or in part), revise, rebalance or withdraw the relevant Index, at the end of such General Disruption Event or Analogous Term definition, the following events shall be added:

"the failure of any price source to publish, announce, display, report or disseminate any relevant price, value, level, rate or other data necessary for the determination of the index value;

the level published on any price source in relation to any price, value, level, rate or other data necessary to determine any index value is significantly different to the level of such data prevailing in the market; or

a material change by the price source in the content, composition, constitution of, or in the formula for or method of calculating (a "**Material Change**") any price, value, level, rate or other data necessary to determine any index value (including where any such Material Change is due to an amendment or other modification to the rules and/or regulations of the price source)."

11. Where the index rules in respect of a Legacy Index comprise more than one document (including any master index rules), the above amendments, to the extent applicable, shall be made in each document.

Credit Suisse International