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**OCTAGON INVESTMENT PARTNERS XXII, LTD.  
OCTAGON INVESTMENT PARTNERS XXII, LLC**

**NOTICE OF PROPOSED SUPPLEMENTAL INDENTURE**

Date of Notice: November 25, 2016

**NOTE: THIS NOTICE CONTAINS IMPORTANT INFORMATION THAT IS OF INTEREST TO THE REGISTERED AND BENEFICIAL OWNERS OF THE SUBJECT NOTES. IF APPLICABLE, ALL DEPOSITORIES, CUSTODIANS, AND OTHER INTERMEDIARIES RECEIVING THIS NOTICE ARE REQUESTED TO EXPEDITE RE-TRANSMITTAL TO BENEFICIAL OWNERS OF THE NOTES IN A TIMELY MANNER.**

To: The Holders of the Notes as described on the attached Schedule A and to those Additional Parties listed on Schedule I hereto:

Reference is hereby made to that certain Indenture dated as of November 25, 2014 (as supplemented, amended or modified from time to time, the “Indenture”), among OCTAGON INVESTMENT PARTNERS XXII, LTD., as Issuer (the “Issuer”), OCTAGON INVESTMENT PARTNERS XXII, LLC, as Co-Issuer (the “Co-Issuer”, and together with the Issuer, the “Co-Issuers”) and U.S. BANK NATIONAL ASSOCIATION, as Trustee (in such capacity, the “Trustee”). Capitalized terms used herein and not otherwise defined herein shall have the meanings assigned to such terms in the Indenture.

Pursuant to Section 8.3 of the Indenture, the Trustee hereby provides notice (the “Notice”) of a proposed Supplemental Indenture (the “Supplemental Indenture”). A copy of the proposed Supplemental Indenture is attached hereto as Exhibit A. The Indenture provides that with respect to any proposed supplemental indenture pursuant to Section 8.1(xiv) if the Trustee and the Issuer are notified (within 20 days after notice by the Issuer to the Holders of a proposed supplemental indenture) by the Holders of a Majority of the Aggregate Outstanding Amount of the Controlling Class that such Holders reasonably believe the interests of the Holders of the Controlling Class will be materially and adversely affected by such proposed modification or amendment, the Issuer and the Trustee shall not enter into such proposed supplemental indenture.

The Supplemental Indenture shall not become effective until all conditions precedent set forth in the Indenture have been satisfied or waived.

**THE TRUSTEE MAKES NO STATEMENT AS TO THE RIGHTS OF THE HOLDERS OF THE NOTES IN RESPECT OF THE SUPPLEMENTAL INDENTURE, ASSUMES NO RESPONSIBILITY OR LIABILITY FOR THE CONTENTS OR SUFFICIENCY OF THE SUPPLEMENTAL INDENTURE AND MAKES NO**

**RECOMMENDATIONS AS TO ANY ACTION TO BE TAKEN WITH RESPECT TO THE SUPPLEMENTAL INDENTURE. HOLDERS ARE ADVISED TO CONSULT THEIR OWN LEGAL OR INVESTMENT ADVISOR.**

This Notice is being sent to Holders of Notes by U.S. Bank National Association in its capacity as Trustee at the request of the Issuer. Questions may be directed to the Trustee by contacting Mark Sullivan at telephone (617) 603-6487 or by e-mail at mark.sullivan@usbank.com.

The CUSIP, ISIN and Common Code numbers appearing in this notice are included solely for the convenience of the Holders. The Trustee is not responsible for the selection or use of the CUSIP, ISIN or Common Code numbers, or for the accuracy or correctness of CUSIP, ISIN or Common Code numbers printed on the Notes or as indicated in this notice. Recipients of this notice are cautioned that this notice is not evidence that the Trustee will recognize the recipient as a Holder. Under the Indenture, the Trustee is required only to recognize and treat the person in whose name a Security is registered on the registration books maintained by the Trustee as a Holder.

U.S. BANK NATIONAL ASSOCIATION, as Trustee

**Schedule A**  
**CUSIP**

|                    | <u>Rule 144a (Global)</u><br>CUSIP*<br>ISIN* | <u>Reg S</u><br>CUSIP*<br>ISIN* | <u>Accredited Investor</u><br>CUSIP*<br>ISIN* |
|--------------------|--|---------------------------------|---|
| Class X Notes      | 67572Y AA0<br>US67572YAA01                   | G6712J AA5<br>USG6712JAA54      | 67572Y AB8<br>US67572YAB83                    |
| Class A Notes      | 67572Y AC6<br>US67572YAC66                   | G6712J AB3<br>USG6712JAB38      | 67572Y AD4<br>US67572YAD40                    |
| Class B-1 Notes    | 67572Y AE2<br>US67572YAE23                   | G6712J AC1<br>USG6712JAC11      | 67572Y AF9<br>US67572YAF97                    |
| Class B-2 Notes    | 67572Y AG7<br>US67572YAG70                   | G6712J AD9<br>USG6712JAD93      | 67572Y AH5<br>US67572YAH53                    |
| Class C-1 Notes    | 67572Y AJ1<br>US67572YAJ10                   | G6712J AE7<br>USG6712JAE76      | 67572Y AK8<br>US67572YAK82                    |
| Class C-2 Notes    | 67572Y AQ5<br>US67572YAQ52                   | G6712J AH0<br>USG6712JAH08      | 67572Y AR3<br>US67572YAR36                    |
| Class C-3 Notes    | 67572Y AS1<br>US67572YAS19                   | G6712J AJ6<br>USG6712JAJ63      | 67572Y AT9<br>US67572YAT91                    |
| Class D-1 Notes    | 67572Y AL6<br>US67572YAL65                   | G6712J AF4<br>USG6712JAF42      | 67572Y AM4<br>US67572YAM49                    |
| Class D-2 Notes    | 67572Y AU6<br>US67572YAU64                   | G6712J AK3<br>USG6712JAK37      | 67572Y AV4<br>US67572YAV48                    |
| Class E-1 Notes    | 67574Q AA5<br>US67574QAA58                   | G6713T AA2<br>USG6713TAA28      | 67572Q AB3<br>US67572QAB32                    |
| Class E-2 Notes    | 67574Q AC1<br>US67574QAC15                   | G6713T AB0<br>USG6713TAB01      | 67572Q AD9<br>US67572QAD97                    |
| Class F Notes      | 67574Q AE7<br>US67574QAE70                   | G6713T AC8<br>USG6713TAC83      | 67572Q AF4<br>US67572QAF46                    |
| Subordinated Notes | 67574Q AG2<br>US67574QAG29                   | G6713T AD6<br>USG6713TAD66      | 67572Q AH0<br>US67572QAH02                    |

**SCHEDULE I**  
Additional Parties

**Issuer:**

Octagon Investment Partners XXII, Ltd.  
c/o MaplesFS Limited  
P.O. Box 1093  
Boundary Hall, Cricket Square  
Grand Cayman, KY-1102  
Cayman Islands  
Attention: The Directors  
Telephone no.: \_1 (345) 945-7099  
Facsimile no.: + (345) 945-7099  
Email: cayman@maplesfs.com

**Co-Issuer:**

Octagon Investment Partners XXII, LLC  
c/o Maples Fiduciary Services (Delaware) Inc.,  
4001 Kennett Pike, Suite 302  
Wilmington, Delaware 19807  
Attention: Edward Truitt  
Telephone no.: +1 (302) 338-9130  
Email: edward.truitt@maplefs.com

**Collateral Manager:**

Octagon Credit Investors, LLC  
250 Park Avenue - 15th Floor  
New York, NY 10177  
Attention: Lauren Basmadjian  
Telephone no.: (212) 400-8423  
Facsimile no.: (917) 464-8737

**Irish Stock Exchange**

The Irish Stock Exchange plc  
Company Announcement Office  
28 Anglesea Street  
Dublin 2, Ireland  
Electronic copy to be uploaded to website  
provided by ISE

**Irish Listing Agent**

Irish Listing Agent  
Maples and Calder  
75 St. Stephen's Green  
Dublin 2, Ireland  
Facsimile no.: +353 1 619 2001  
E-mail: dublindebtlisting@maplesandcalder.com

**Rating Agencies**

Moody's Investors Service, Inc.  
7 World Trade Center  
250 Greenwich Street  
New York, New York 10007  
Attention: CBO/CLO Monitoring  
E-mail: cdomonitoring@moodys.com

Standard & Poor's  
55 Water Street, 41st Floor  
New York, New York 10041-0003  
Attention: Asset Backed-CBO/CLO Surveillance  
With an electronic copy to  
CDO\_surveillance@sandp.com  
Facsimile no.: (212) 438-2655

**DTC, Euroclear and Clearstream (if applicable):**

lensnotices@dtcc.com  
voluntaryreorgannouncements@dtcc.com  
drit@euroclear.com  
ca\_mandatory.events@clearstream.com

**EXHIBIT A**

**Proposed Supplemental Indenture**

SUPPLEMENTAL INDENTURE

to the

INDENTURE

dated as of November 25, 2014

by and among

OCTAGON INVESTMENT PARTNERS XXII, LTD.,  
as Issuer,

OCTAGON INVESTMENT PARTNERS XXII, LLC,  
as Co-Issuer,

and

U.S. BANK NATIONAL ASSOCIATION,  
as Trustee

This SUPPLEMENTAL INDENTURE dated as of December [\_\_\_], 2016 (this “Supplemental Indenture”) to the Indenture dated as of November 25, 2014 (the “Indenture”) is entered into by and among Octagon Investment Partners XXII, Ltd., an exempted company incorporated with limited liability under the laws of the Cayman Islands (the “Issuer”), Octagon Investment Partners XXII, LLC, a limited liability company organized under the laws of the State of Delaware (the “Co-Issuer” and, together with the Issuer, the “Co-Issuers”), and U.S. Bank National Association, a limited purpose national banking association with trust powers, as trustee under the Indenture (together with its successors in such capacity, the “Trustee”). Capitalized terms used but not otherwise defined herein shall have the respective meanings set forth in the Indenture.

PRELIMINARY STATEMENT

WHEREAS, the Co-Issuers wish to amend the Indenture pursuant to Section 8.1(xiv);  
and

WHEREAS, the conditions set forth for entry into a supplemental indenture pursuant to Sections 8.1 and 8.3 of the Indenture have been satisfied;

NOW, THEREFORE, in consideration of the mutual agreements herein set forth, the parties agree as follows:

1. Amendments. Upon the effectiveness of this Supplemental Indenture, the following amendments are made to the Indenture pursuant to Section 8.1(xiv) of the Indenture:

(i) The list of Schedules and Exhibits set forth in the Table of Contents is amended by (A) restating the title of Schedule 2 as “S&P Classifications” and (B) inserting a new Schedule 6 titled “S&P Non-Model Version CDO Monitor Definitions.”

(ii) Schedule 2 to the Indenture is amended and restated in its entirety as set forth in Annex A hereto.

(iii) The Indenture is amended by inserting Annex B hereto after Schedule 5 as Schedule 6.

(iv) The definition of “S&P CDO Monitor Test” set forth in Section 1.1 of the Indenture is amended and restated in its entirety as follows:

““S&P CDO Monitor Test”: A test that will be satisfied on any date of determination on or after the Effective Date if, after giving effect to the sale of a Collateral Obligation or the purchase of a Collateral Obligation, the Class Default Differential of the Proposed Portfolio is positive. The S&P CDO Monitor Test will be considered to be improved if the Class Default Differential of the Proposed Portfolio is greater than the Class Default Differential of the Current Portfolio. If so elected by the Collateral Manager, upon at least 5 Business Days’ prior written notice to S&P, the S&P CDO Monitor Test and definitions applicable thereto, shall instead be as set forth in Schedule 6 hereto henceforth (such date the “S&P CDO Monitor Formula Election”). An S&P CDO Monitor Formula Election shall only be made once. The S&P CDO Monitor Test will no longer be applicable on any date on which the Class X Notes and the Class A Notes are no longer outstanding.””

## 2. Governing Law.

THIS SUPPLEMENTAL INDENTURE AND EACH NOTE AND ANY CLAIM, CONTROVERSY OR DISPUTE ARISING UNDER OR RELATED TO THIS AGREEMENT, THE RELATIONSHIP OF THE PARTIES, AND/OR THE INTERPRETATION AND ENFORCEMENT OF THE RIGHTS AND DUTIES OF THE PARTIES SHALL BE CONSTRUED IN ACCORDANCE WITH AND GOVERNED IN ALL RESPECTS (WHETHER IN CONTRACT OR IN TORT) BY THE LAWS OF THE STATE OF NEW YORK WITHOUT REGARD TO CONFLICT OF LAWS.

## 3. Execution in Counterparts.

This Supplemental Indenture may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such counterparts shall together constitute but one and the same instrument. Delivery of an executed counterpart of this Supplemental Indenture by electronic means (including email or telecopy) will be effective as delivery of a manually executed counterpart of this Supplemental Indenture.

4. Concerning the Trustee.

The recitals contained in this Supplemental Indenture shall be taken as the statements of the Co-Issuers, and the Trustee assumes no responsibility for their correctness. Except as provided in the Indenture, the Trustee shall not be responsible or accountable in any way whatsoever for or with respect to the validity, execution or sufficiency of this Supplemental Indenture and makes no representation with respect thereto. In entering into this Supplemental Indenture, the Trustee shall be entitled to the benefit of every provision of the Indenture relating to the conduct of or affecting the liability of or affording protection to the Trustee.

5. No Other Changes.

Except as provided herein, the Indenture shall remain unchanged and in full force and effect, and each reference to the Indenture and words of similar import in the Indenture, as amended hereby, shall be a reference to the Indenture as amended hereby and as the same may be further amended, supplemented and otherwise modified and in effect from time to time. This Supplemental Indenture may be used to create a conformed amended and restated Indenture for the convenience of administration by the parties hereto.

6. Execution, Delivery and Validity.

Each of the Co-Issuers represents and warrants to the Trustee that this Supplemental Indenture has been duly and validly executed and delivered by it and constitutes its legal, valid and binding obligation, enforceable against it in accordance with its terms.

7. Binding Effect.

This Supplemental Indenture shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns.



IN WITNESS WHEREOF, the parties hereto have caused this Supplemental Indenture to be duly executed and delivered by their respective proper and duly authorized officers as of the day and year first above written.

OCTAGON INVESTMENT PARTNERS XXII,  
LTD.  
as Issuer

By: \_\_\_\_\_  
Name:  
Title:

OCTAGON INVESTMENT PARTNERS XXII,  
LLC  
as Co-Issuer

By: \_\_\_\_\_  
Name:  
Title:

U.S. BANK NATIONAL ASSOCIATION  
as Trustee

By: \_\_\_\_\_  
Name:  
Title:

**ANNEX A  
SCHEDULE 2**

**S&P CLASSIFICATIONS**

S&P Industry Classifications

| Asset Type Code | Asset Type Description           |
|-----------------|----------------------------------|
| 1020000         | Energy Equipment & Services      |
| 1030000         | Oil, Gas & Consumable Fuels      |
| 2020000         | Chemicals                        |
| 2030000         | Construction Materials           |
| 2040000         | Containers & Packaging           |
| 2050000         | Metals & Mining                  |
| 2060000         | Paper & Forest Products          |
| 3020000         | Aerospace & Defense              |
| 3030000         | Building Products                |
| 3040000         | Construction & Engineering       |
| 3050000         | Electrical Equipment             |
| 3060000         | Industrial Conglomerates         |
| 3070000         | Machinery                        |
| 3080000         | Trading Companies & Distributors |
| 3110000         | Commercial Services & Supplies   |
| 9612010         | Professional Services            |
| 3210000         | Air Freight & Logistics          |
| 3220000         | Airlines                         |
| 3230000         | Marine                           |
| 3240000         | Road & Rail                      |
| 3250000         | Transportation Infrastructure    |
| 4011000         | Auto Components                  |
| 4020000         | Automobiles                      |
| 4110000         | Household Durables               |
| 4120000         | Leisure Products                 |
| 4130000         | Textiles, Apparel & Luxury Goods |

|         |  |
|---------|--|
| 4210000 | Hotels, Restaurants & Leisure                  |
| 9551701 | Diversified Consumer Services                  |
| 4310000 | Media  |
| 4410000 | Distributors                                   |
| 4420000 | Internet and Catalog Retail                    |
| 4430000 | Multiline Retail                               |
| 4440000 | Specialty Retail                               |
| 5020000 | Food & Staples Retailing                       |
| 5110000 | Beverages                                      |
| 5120000 | Food Products                                  |
| 5130000 | Tobacco  |
| 5210000 | Household Products                             |
| 5220000 | Personal Products                              |
| 6020000 | Health Care Equipment & Supplies               |
| 6030000 | Health Care Providers & Services               |
| 9551729 | Health Care Technology                         |
| 6110000 | Biotechnology                                  |
| 6120000 | Pharmaceuticals                                |
| 9551727 | Life Sciences Tools & Services                 |
| 7011000 | Banks  |
| 7020000 | Thrifts & Mortgage Finance                     |
| 7110000 | Diversified Financial Services                 |
| 7120000 | Consumer Finance                               |
| 7130000 | Capital Markets                                |
| 7210000 | Insurance                                      |
| 7311000 | Real Estate Investment Trusts (REITs)          |
| 7310000 | Real Estate Management & Development           |
| 8020000 | Internet Software & Services                   |
| 8030000 | IT Services                                    |
| 8040000 | Software                                       |
| 8110000 | Communications Equipment                       |
| 8120000 | Technology Hardware, Storage & Peripherals     |
| 8130000 | Electronic Equipment, Instruments & Components |
| 8210000 | Semiconductors & Semiconductor Equipment       |

|         |   |
|---------|---|
| 9020000 | Diversified Telecommunication Services                |
| 9030000 | Wireless Telecommunication Services                   |
| 9520000 | Electric Utilities                                    |
| 9530000 | Gas Utilities   |
| 9540000 | Multi-Utilities                                       |
| 9550000 | Water Utilities                                       |
| 9551702 | Independent Power and Renewable Electricity Producers |
| PF1     | Project finance: industrial equipment                 |
| PF2     | Project finance: leisure and gaming                   |
| PF3     | Project finance: natural resources and mining         |
| PF4     | Project finance: oil and gas                          |
| PF5     | Project finance: power                                |
| PF6     | Project finance: public finance and real estate       |
| PF7     | Project finance: telecommunications                   |
| PF8     | Project finance: transport                            |
| IPF     | International project finance                         |

## ANNEX B

### S&P Non-Model Version CDO Monitor Definitions

If so elected by the Collateral Manager by written notice to the Issuer, the Collateral Administrator, the Trustee and S&P, the S&P CDO Monitor Test shall be defined as follows:

The "**S&P CDO Monitor Test**" will be satisfied on any date of determination on or after the Effective Date and during the Reinvestment Period following receipt by the Collateral Manager or the Collateral Administrator from S&P of the S&P CDO Monitor Input File to the S&P CDO Monitor if, after giving effect to the purchase of any additional Collateral Obligation, the S&P CDO Monitor Adjusted BDR is equal to or greater than the S&P CDO Monitor SDR. The S&P CDO Monitor Test shall only be applicable to the junior-most Class of Notes rated "AAA".

As used for purposes of the S&P CDO Monitor Test, the following terms shall have the meanings set forth below:

"**S&P CDO Monitor Adjusted BDR**" means the threshold value for the S&P CDO Monitor Test, calculated as a percentage by adjusting the S&P CDO Monitor BDR for changes in the Principal Balance of the Collateral Obligations relative to the Reinvestment Target Par Balance as follows:

$$\text{S\&P CDO Monitor BDR} * (\text{OP} / \text{NP}) + (\text{NP} - \text{OP}) / \text{NP} * (1 - \text{Weighted Average S\&P Recovery Rate})$$
, where OP = Aggregate Ramp-Up Par Amount; and NP = the sum of the Aggregate Principal Balances of the Collateral Obligations with an S&P Rating of "CCC-" or higher, Principal Proceeds, and the sum of the lower of S&P Recovery Amount or the Market Value of each obligation with an S&P Rating below "CCC-".

"**S&P CDO Monitor BDR**" means the value calculated using the formula provided in the S&P CDO Monitor Input File.

"**S&P CDO Monitor Input File**" means a file containing the formula relating to the Issuer's portfolio used to calculate the S&P CDO Monitor BDR, which formula is: 
$$\text{S\&P CDO Monitor BDR} = \text{C0} + (\text{C1} * \text{Weighted Average Floating Spread}) + (\text{C2} * \text{Weighted Average S\&P Recovery Rate})$$
, where C0 = 0.095850, C1 = 3.855066 and C2 = 0.967225. C0, C1 and C2 will not change unless S&P provides an updated S&P CDO Monitor Input File at the request of the Collateral Manager following the Closing Date.

"**S&P CDO Monitor SDR**" means the percentage derived from the following equation: 
$$0.329915 + (1.210322 * \text{EPDR}) - (0.586627 * \text{DRD}) + (2.538684 / \text{ODM}) + (0.216729 / \text{IDM}) + (0.0575539 / \text{RDM}) - (0.0136662 * \text{WAL})$$
, where EPDR is the S&P Expected Portfolio Default Rate; DRD is the S&P Default Rate Dispersion; ODM is the S&P Obligor Diversity Measure; IDM is the S&P Industry Diversity Measure; RDM is the S&P Regional Diversity Measure; and WAL is the S&P Weighted Average Life.

**"S&P Default Rate"** means, with respect to all Collateral Obligations with an S&P Rating of "CCC-" or higher, the default rate determined in accordance with Table 1 below using such Collateral Obligation's S&P Rating and the number of years to maturity (determined using linear interpolation if the number of years to maturity is not an integer).

**"S&P Default Rate Dispersion"** means, with respect to all Collateral Obligations with an S&P Rating of "CCC-" or higher, (A) the sum of the product of (i) the Principal Balance of each such Collateral Obligation and (ii) the absolute value of (x) the S&P Default Rate *minus* (y) the S&P Expected Portfolio Default Rate *divided by* (B) the Aggregate Principal Balance for all such Collateral Obligations.

**"S&P Effective Date Adjustments"** means, in connection with determining whether the S&P CDO Monitor Test is satisfied in connection with the Effective Date, if an S&P CDO Monitor Formula Election has been made, in calculating the S&P CDO Adjusted BDR, the Collateral Principal Amount will exclude the Effective Date Interest Designation Amount.

**"S&P Expected Portfolio Default Rate"** means, with respect to all Collateral Obligations with an S&P Rating of "CCC-" or higher, (i) the sum of the product of (x) the Principal Balance of each such Collateral Obligation and (y) the S&P Default Rate *divided by* (ii) the Aggregate Principal Balance for all such Collateral Obligations.

**"S&P Industry Diversity Measure"** means a measure calculated by determining the Aggregate Principal Balance of the Collateral Obligations (with an S&P Rating of "CCC-" or higher) within each S&P Industry Classification in the portfolio, then dividing each of these amounts by the Aggregate Principal Balance of the Collateral Obligations (with an S&P Rating of "CCC-" or higher) from all the S&P Industry Classifications in the portfolio, squaring the result for each industry, then taking the reciprocal of the sum of these squares.

**"S&P Obligor Diversity Measure"** means a measure calculated by determining the Aggregate Principal Balance of the Collateral Obligations (with an S&P Rating of "CCC-" or higher) from each obligor and its affiliates, then dividing each such Aggregate Principal Balance by the Aggregate Principal Balance of Collateral Obligations (with an S&P Rating of "CCC-" or higher) from all the obligors in the portfolio, then squaring the result for each obligor, then taking the reciprocal of the sum of these squares.

**"S&P Regional Diversity Measure"** means a measure calculated by determining the Aggregate Principal Balance of the Collateral Obligations (with an S&P Rating of "CCC-" or higher) within each S&P region set forth in Table 2 below, then dividing each of these amounts by the Aggregate Principal Balance of the Collateral Obligations (with an S&P Rating of "CCC-" or higher) from all S&P regions in the portfolio, squaring the result for each region, then taking the reciprocal of the sum of these squares.

**"S&P Weighted Average Life"** means, on any date of determination, a number calculated by determining the number of years between the current date and the maturity date of each Collateral Obligation (with an S&P Rating of "CCC-" or higher), multiplying each Collateral Obligation's Principal Balance by its number of years, summing the results of all

Collateral Obligations in the portfolio, and dividing such amount by the Aggregate Principal Balance of all Collateral Obligations (with an S&P Rating of "CCC-" or higher).

Table 1

| Tenor | Rating    |           |           |           |           |           |           |           |           |           |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|       | AAA       | AA+       | AA        | AA-       | A+        | A         | A-        | BBB+      | BBB       | BBB-      |
| 0     | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| 1     | 0.003249  | 0.008324  | 0.017659  | 0.049443  | 0.100435  | 0.198336  | 0.305284  | 0.403669  | 0.461619  | 0.524294  |
| 2     | 0.015699  | 0.036996  | 0.073622  | 0.139938  | 0.257400  | 0.452472  | 0.667329  | 0.892889  | 1.091719  | 1.445989  |
| 3     | 0.041484  | 0.091325  | 0.172278  | 0.276841  | 0.474538  | 0.770505  | 1.100045  | 1.484175  | 1.895696  | 2.702054  |
| 4     | 0.084784  | 0.176281  | 0.317753  | 0.464897  | 0.755269  | 1.158808  | 1.613532  | 2.186032  | 2.867799  | 4.229668  |
| 5     | 0.149746  | 0.296441  | 0.513749  | 0.708173  | 1.102407  | 1.621846  | 2.213969  | 3.000396  | 3.994693  | 5.969443  |
| 6     | 0.240402  | 0.455938  | 0.763415  | 1.009969  | 1.517930  | 2.162163  | 2.903924  | 3.924151  | 5.258484  | 7.867654  |
| 7     | 0.360599  | 0.658408  | 1.069266  | 1.372767  | 2.002861  | 2.780489  | 3.682872  | 4.950544  | 6.639097  | 9.877442  |
| 8     | 0.513925  | 0.906953  | 1.433135  | 1.798206  | 2.557255  | 3.475934  | 4.547804  | 6.070420  | 8.116014  | 11.959164 |
| 9     | 0.703660  | 1.204112  | 1.856168  | 2.287090  | 3.180245  | 4.246223  | 5.493831  | 7.273226  | 9.669463  | 14.080160 |
| 10    | 0.932722  | 1.551859  | 2.338835  | 2.839430  | 3.870134  | 5.087962  | 6.514747  | 8.547804  | 11.281152 | 16.214169 |
| 11    | 1.203636  | 1.951593  | 2.880967  | 3.454496  | 4.624506  | 5.996889  | 7.603506  | 9.882975  | 12.934676 | 18.340556 |
| 12    | 1.518511  | 2.404163  | 3.481806  | 4.130896  | 5.440351  | 6.968119  | 8.752625  | 11.267955 | 14.615674 | 20.443492 |
| 13    | 1.879017  | 2.909885  | 4.140061  | 4.866660  | 6.314188  | 7.996356  | 9.954495  | 12.692626 | 16.311827 | 22.511146 |
| 14    | 2.286393  | 3.468577  | 4.853976  | 5.659322  | 7.242183  | 9.076083  | 11.201627 | 14.147698 | 18.012750 | 24.534955 |
| 15    | 2.741441  | 4.079595  | 5.621395  | 6.506018  | 8.220258  | 10.201710 | 12.486816 | 15.624793 | 19.709826 | 26.508977 |
| 16    | 3.244545  | 4.741882  | 6.439830  | 7.403564  | 9.244188  | 11.367700 | 13.803266 | 17.116461 | 21.396011 | 28.429339 |
| 17    | 3.795687  | 5.454010  | 7.306523  | 8.348542  | 10.309683 | 12.568668 | 15.144662 | 18.616162 | 23.065636 | 30.293780 |
| 18    | 4.394473  | 6.214227  | 8.218512  | 9.337373  | 11.412464 | 13.799448 | 16.505206 | 20.118217 | 24.714212 | 32.101269 |
| 19    | 5.040161  | 7.020506  | 9.172684  | 10.366381 | 12.548315 | 15.055145 | 17.879633 | 21.617740 | 26.338248 | 33.851709 |
| 20    | 5.731690  | 7.870595  | 10.165829 | 11.431855 | 13.713133 | 16.331168 | 19.263208 | 23.110574 | 27.935091 | 35.545692 |
| 21    | 6.467720  | 8.762054  | 11.194685 | 12.530097 | 14.902967 | 17.623250 | 20.651699 | 24.593206 | 29.502784 | 37.184306 |
| 22    | 7.246658  | 9.692304  | 12.255978 | 13.657463 | 16.114039 | 18.927451 | 22.041357 | 26.062700 | 31.039941 | 38.768990 |
| 23    | 8.066698  | 10.658664 | 13.346459 | 14.810401 | 17.342769 | 20.240163 | 23.428880 | 27.516624 | 32.545643 | 40.301420 |
| 24    | 8.925853  | 11.658386 | 14.462930 | 15.985473 | 18.585784 | 21.558096 | 24.811375 | 28.952986 | 34.019346 | 41.783417 |
| 25    | 9.821992  | 12.688687 | 15.602275 | 17.179384 | 19.839925 | 22.878270 | 26.186325 | 30.370173 | 35.460813 | 43.216885 |
| 26    | 10.752863 | 13.746781 | 16.761474 | 18.388990 | 21.102252 | 24.197998 | 27.551553 | 31.766900 | 36.870044 | 44.603759 |
| 27    | 11.716131 | 14.829898 | 17.937621 | 19.611314 | 22.370042 | 25.514868 | 28.905184 | 33.142161 | 38.247233 | 45.945970 |
| 28    | 12.709401 | 15.935312 | 19.127936 | 20.843553 | 23.640779 | 26.826725 | 30.245615 | 34.495190 | 39.592717 | 47.245417 |
| 29    | 13.730244 | 17.060358 | 20.329775 | 22.083077 | 24.912158 | 28.131652 | 31.571487 | 35.825422 | 40.906950 | 48.503948 |
| 30    | 14.776220 | 18.202443 | 21.540635 | 23.327436 | 26.182066 | 29.427952 | 32.881653 | 37.132462 | 42.190470 | 49.723352 |

| Tenor | Rating   |          |          |           |           |           |           |           |           |
|-------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
|       | BB+      | BB       | BB-      | B+        | B         | B-        | CCC+      | CCC       | CCC-      |
| 0     | 0        | 0        | 0        | 0         | 0         | 0         | 0         | 0         | 0         |
| 1     | 1.051627 | 2.109451 | 2.600238 | 3.221175  | 7.848052  | 10.882127 | 15.688600 | 20.494984 | 25.301275 |
| 2     | 2.499656 | 4.644348 | 5.872070 | 7.597534  | 14.781994 | 20.010198 | 28.039819 | 34.622676 | 40.104827 |
| 3     | 4.296729 | 7.475880 | 9.536299 | 12.379110 | 20.934989 | 27.616832 | 37.429809 | 44.486183 | 49.823181 |

| Tenor | Rating    |           |           |           |           |           |           |           |           |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|       | BB+       | BB        | BB-       | B+        | B         | B-        | CCC+      | CCC       | CCC-      |
| 4     | 6.375706  | 10.488373 | 13.369967 | 17.163869 | 26.396576 | 33.956728 | 44.585491 | 51.602827 | 56.644894 |
| 5     | 8.664544  | 13.586821 | 17.214556 | 21.748448 | 31.246336 | 39.272130 | 50.135335 | 56.922985 | 61.661407 |
| 6     | 11.095356 | 16.697807 | 20.966483 | 26.041061 | 35.559617 | 43.770645 | 54.540771 | 61.035699 | 65.491579 |
| 7     | 13.609032 | 19.767400 | 24.563596 | 30.011114 | 39.406428 | 47.620000 | 58.122986 | 64.312999 | 68.512300 |
| 8     | 16.156890 | 22.757944 | 27.972842 | 33.660308 | 42.849805 | 50.951513 | 61.102369 | 66.995611 | 70.963159 |
| 9     | 18.700581 | 25.644678 | 31.180555 | 37.006268 | 45.945037 | 53.866495 | 63.630626 | 69.243071 | 73.001159 |
| 10    | 21.211084 | 28.412675 | 34.185384 | 40.073439 | 48.739741 | 56.442784 | 65.813448 | 71.163565 | 74.731801 |
| 11    | 23.667314 | 31.054264 | 36.993388 | 42.888153 | 51.274446 | 58.740339 | 67.725700 | 72.832114 | 76.227640 |
| 12    | 26.054666 | 33.566968 | 39.614764 | 45.476090 | 53.583431 | 60.805678 | 69.421440 | 74.301912 | 77.539705 |
| 13    | 28.363660 | 35.951906 | 42.061729 | 47.861084 | 55.695612 | 62.675243 | 70.940493 | 75.611515 | 78.704697 |
| 14    | 30.588762 | 38.212600 | 44.347194 | 50.064659 | 57.635391 | 64.377918 | 72.312813 | 76.789485 | 79.749592 |
| 15    | 32.727407 | 40.354091 | 46.483968 | 52.105958 | 59.423407 | 65.936872 | 73.561381 | 77.857439 | 80.694661 |
| 16    | 34.779204 | 42.382307 | 48.484306 | 54.001869 | 61.077177 | 67.370926 | 74.704179 | 78.832075 | 81.555449 |
| 17    | 36.745314 | 44.303617 | 50.359673 | 55.767228 | 62.611640 | 68.695550 | 75.755528 | 79.726540 | 82.344119 |
| 18    | 38.627975 | 46.124519 | 52.120647 | 57.415059 | 64.039598 | 69.923606 | 76.727026 | 80.551376 | 83.070367 |
| 19    | 40.430133 | 47.851440 | 53.776900 | 58.956797 | 65.372082 | 71.065901 | 77.628212 | 81.315171 | 83.742047 |
| 20    | 42.155172 | 49.490597 | 55.337225 | 60.402500 | 66.618643 | 72.131608 | 78.467035 | 82.025027 | 84.365628 |
| 21    | 43.806716 | 51.047918 | 56.809591 | 61.761037 | 67.787598 | 73.128577 | 79.250199 | 82.686894 | 84.946502 |
| 22    | 45.388482 | 52.528995 | 58.201208 | 63.040250 | 68.886224 | 74.063579 | 79.983418 | 83.305814 | 85.489225 |
| 23    | 46.904180 | 53.939064 | 59.518589 | 64.247092 | 69.920916 | 74.942503 | 80.671609 | 83.886103 | 85.997683 |
| 24    | 48.357444 | 55.282998 | 60.767623 | 65.387746 | 70.897320 | 75.770492 | 81.319036 | 84.431487 | 86.475223 |
| 25    | 49.751780 | 56.565320 | 61.953636 | 66.467726 | 71.820441 | 76.552075 | 81.929422 | 84.945209 | 86.924750 |
| 26    | 51.090543 | 57.790210 | 63.081447 | 67.491964 | 72.694731 | 77.291249 | 82.506039 | 85.430110 | 87.348805 |
| 27    | 52.376916 | 58.961526 | 64.155419 | 68.464885 | 73.524165 | 77.991566 | 83.051779 | 85.888693 | 87.749621 |
| 28    | 53.613901 | 60.082826 | 65.179512 | 69.390464 | 74.312302 | 78.656191 | 83.569207 | 86.323175 | 88.129173 |
| 29    | 54.804319 | 61.157385 | 66.157321 | 70.272285 | 75.062339 | 79.287952 | 84.060611 | 86.735528 | 88.489217 |
| 30    | 55.950815 | 62.188218 | 67.092112 | 71.113583 | 75.777155 | 79.889391 | 84.528038 | 87.127511 | 88.831318 |

Table 2

| Region Code | Region Name      | Country Code | Country Name |
|-------------|------------------|--------------|--------------|
| 17          | Africa: Eastern  | 253          | Djibouti     |
| 17          | Africa: Eastern  | 291          | Eritrea      |
| 17          | Africa: Eastern  | 251          | Ethiopia     |
| 17          | Africa: Eastern  | 254          | Kenya        |
| 17          | Africa: Eastern  | 252          | Somalia      |
| 17          | Africa: Eastern  | 249          | Sudan        |
| 12          | Africa: Southern | 247          | Ascension    |
| 12          | Africa: Southern | 267          | Botswana     |
| 12          | Africa: Southern | 266          | Lesotho      |
| 12          | Africa: Southern | 230          | Mauritius    |



| <b>Region Code</b> | <b>Region Name</b>  | <b>Country Code</b> | <b>Country Name</b>      |
|--------------------|---------------------|---------------------|--------------------------|
| 12                 | Africa: Southern    | 264                 | Namibia                  |
| 12                 | Africa: Southern    | 248                 | Seychelles               |
| 12                 | Africa: Southern    | 27                  | South Africa             |
| 12                 | Africa: Southern    | 290                 | St. Helena               |
| 12                 | Africa: Southern    | 268                 | Swaziland                |
| 13                 | Africa: Sub-Saharan | 244                 | Angola                   |
| 13                 | Africa: Sub-Saharan | 226                 | Burkina Faso             |
| 13                 | Africa: Sub-Saharan | 257                 | Burundi                  |
| 13                 | Africa: Sub-Saharan | 225                 | Cote d'Ivoire            |
| 13                 | Africa: Sub-Saharan | 240                 | Equatorial Guinea        |
| 13                 | Africa: Sub-Saharan | 241                 | Gabonese Republic        |
| 13                 | Africa: Sub-Saharan | 220                 | Gambia                   |
| 13                 | Africa: Sub-Saharan | 233                 | Ghana                    |
| 13                 | Africa: Sub-Saharan | 224                 | Guinea                   |
| 13                 | Africa: Sub-Saharan | 245                 | Guinea-Bissau            |
| 13                 | Africa: Sub-Saharan | 231                 | Liberia                  |
| 13                 | Africa: Sub-Saharan | 261                 | Madagascar               |
| 13                 | Africa: Sub-Saharan | 265                 | Malawi                   |
| 13                 | Africa: Sub-Saharan | 223                 | Mali                     |
| 13                 | Africa: Sub-Saharan | 222                 | Mauritania               |
| 13                 | Africa: Sub-Saharan | 258                 | Mozambique               |
| 13                 | Africa: Sub-Saharan | 227                 | Niger                    |
| 13                 | Africa: Sub-Saharan | 234                 | Nigeria                  |
| 13                 | Africa: Sub-Saharan | 250                 | Rwanda                   |
| 13                 | Africa: Sub-Saharan | 239                 | Sao Tome & Principe      |
| 13                 | Africa: Sub-Saharan | 221                 | Senegal                  |
| 13                 | Africa: Sub-Saharan | 232                 | Sierra Leone             |
| 13                 | Africa: Sub-Saharan | 255                 | Tanzania/Zanzibar        |
| 13                 | Africa: Sub-Saharan | 228                 | Togo                     |
| 13                 | Africa: Sub-Saharan | 256                 | Uganda                   |
| 13                 | Africa: Sub-Saharan | 260                 | Zambia                   |
| 13                 | Africa: Sub-Saharan | 263                 | Zimbabwe                 |
| 13                 | Africa: Sub-Saharan | 229                 | Benin                    |
| 13                 | Africa: Sub-Saharan | 237                 | Cameroon                 |
| 13                 | Africa: Sub-Saharan | 238                 | Cape Verde Islands       |
| 13                 | Africa: Sub-Saharan | 236                 | Central African Republic |
| 13                 | Africa: Sub-Saharan | 235                 | Chad                     |
| 13                 | Africa: Sub-Saharan | 269                 | Comoros                  |
| 13                 | Africa: Sub-Saharan | 242                 | Congo-Brazzaville        |
| 13                 | Africa: Sub-Saharan | 243                 | Congo-Kinshasa           |
| 3                  | Americas: Andean    | 591                 | Bolivia                  |
| 3                  | Americas: Andean    | 57                  | Colombia                 |

| <b>Region Code</b> | <b>Region Name</b>                    | <b>Country Code</b> | <b>Country Name</b>      |
|--------------------|---------------------------------------|---------------------|--------------------------|
| 3                  | Americas: Andean                      | 593                 | Ecuador                  |
| 3                  | Americas: Andean                      | 51                  | Peru                     |
| 3                  | Americas: Andean                      | 58                  | Venezuela                |
| 4                  | Americas: Mercosur and Southern Cone  | 54                  | Argentina                |
| 4                  | Americas: Mercosur and Southern Cone  | 55                  | Brazil                   |
| 4                  | Americas: Mercosur and Southern Cone  | 56                  | Chile                    |
| 4                  | Americas: Mercosur and Southern Cone  | 595                 | Paraguay                 |
| 4                  | Americas: Mercosur and Southern Cone  | 598                 | Uruguay                  |
| 1                  | Americas: Mexico                      | 52                  | Mexico                   |
| 2                  | Americas: Other Central and Caribbean | 1264                | Anguilla                 |
| 2                  | Americas: Other Central and Caribbean | 1268                | Antigua                  |
| 2                  | Americas: Other Central and Caribbean | 1242                | Bahamas                  |
| 2                  | Americas: Other Central and Caribbean | 246                 | Barbados                 |
| 2                  | Americas: Other Central and Caribbean | 501                 | Belize                   |
| 2                  | Americas: Other Central and Caribbean | 441                 | Bermuda                  |
| 2                  | Americas: Other Central and Caribbean | 284                 | British Virgin Islands   |
| 2                  | Americas: Other Central and Caribbean | 345                 | Cayman Islands           |
| 2                  | Americas: Other Central and Caribbean | 506                 | Costa Rica               |
| 2                  | Americas: Other Central and Caribbean | 809                 | Dominican Republic       |
| 2                  | Americas: Other Central and Caribbean | 503                 | El Salvador              |
| 2                  | Americas: Other Central and Caribbean | 473                 | Grenada                  |
| 2                  | Americas: Other Central and Caribbean | 590                 | Guadeloupe               |
| 2                  | Americas: Other Central and Caribbean | 502                 | Guatemala                |
| 2                  | Americas: Other Central and Caribbean | 504                 | Honduras                 |
| 2                  | Americas: Other Central and Caribbean | 876                 | Jamaica                  |
| 2                  | Americas: Other Central and Caribbean | 596                 | Martinique               |
| 2                  | Americas: Other Central and Caribbean | 505                 | Nicaragua                |
| 2                  | Americas: Other Central and Caribbean | 507                 | Panama                   |
| 2                  | Americas: Other Central and Caribbean | 869                 | St. Kitts/Nevis          |
| 2                  | Americas: Other Central and Caribbean | 758                 | St. Lucia                |
| 2                  | Americas: Other Central and Caribbean | 784                 | St. Vincent & Grenadines |
| 2                  | Americas: Other Central and Caribbean | 597                 | Suriname                 |
| 2                  | Americas: Other Central and Caribbean | 868                 | Trinidad& Tobago         |
| 2                  | Americas: Other Central and Caribbean | 649                 | Turks & Caicos           |
| 2                  | Americas: Other Central and Caribbean | 297                 | Aruba                    |
| 2                  | Americas: Other Central and Caribbean | 53                  | Cuba                     |
| 2                  | Americas: Other Central and Caribbean | 599                 | Curacao                  |
| 2                  | Americas: Other Central and Caribbean | 767                 | Dominica                 |
| 2                  | Americas: Other Central and Caribbean | 594                 | French Guiana            |
| 2                  | Americas: Other Central and Caribbean | 592                 | Guyana                   |
| 2                  | Americas: Other Central and Caribbean | 509                 | Haiti                    |
| 2                  | Americas: Other Central and Caribbean | 664                 | Montserrat               |

| <b>Region Code</b> | <b>Region Name</b>                      | <b>Country Code</b> | <b>Country Name</b> |
|--------------------|---|---------------------|---------------------|
| 101                | Americas: U.S. and Canada               | 2                   | Canada              |
| 101                | Americas: U.S. and Canada               | 1                   | USA                 |
| 7                  | Asia: China, Hong Kong, Taiwan          | 86                  | China               |
| 7                  | Asia: China, Hong Kong, Taiwan          | 852                 | Hong Kong           |
| 7                  | Asia: China, Hong Kong, Taiwan          | 886                 | Taiwan              |
| 5                  | Asia: India, Pakistan and Afghanistan   | 93                  | Afghanistan         |
| 5                  | Asia: India, Pakistan and Afghanistan   | 91                  | India               |
| 5                  | Asia: India, Pakistan and Afghanistan   | 92                  | Pakistan            |
| 6                  | Asia: Other South                       | 880                 | Bangladesh          |
| 6                  | Asia: Other South                       | 975                 | Bhutan              |
| 6                  | Asia: Other South                       | 960                 | Maldives            |
| 6                  | Asia: Other South                       | 977                 | Nepal               |
| 6                  | Asia: Other South                       | 94                  | Sri Lanka           |
| 8                  | Asia: Southeast, Korea and Japan        | 673                 | Brunei              |
| 8                  | Asia: Southeast, Korea and Japan        | 855                 | Cambodia            |
| 8                  | Asia: Southeast, Korea and Japan        | 62                  | Indonesia           |
| 8                  | Asia: Southeast, Korea and Japan        | 81                  | Japan               |
| 8                  | Asia: Southeast, Korea and Japan        | 856                 | Laos                |
| 8                  | Asia: Southeast, Korea and Japan        | 60                  | Malaysia            |
| 8                  | Asia: Southeast, Korea and Japan        | 95                  | Myanmar             |
| 8                  | Asia: Southeast, Korea and Japan        | 850                 | North Korea         |
| 8                  | Asia: Southeast, Korea and Japan        | 63                  | Philippines         |
| 8                  | Asia: Southeast, Korea and Japan        | 65                  | Singapore           |
| 8                  | Asia: Southeast, Korea and Japan        | 82                  | South Korea         |
| 8                  | Asia: Southeast, Korea and Japan        | 66                  | Thailand            |
| 8                  | Asia: Southeast, Korea and Japan        | 84                  | Vietnam             |
| 8                  | Asia: Southeast, Korea and Japan        | 670                 | East Timor          |
| 105                | Asia-Pacific: Australia and New Zealand | 61                  | Australia           |
| 105                | Asia-Pacific: Australia and New Zealand | 682                 | Cook Islands        |
| 105                | Asia-Pacific: Australia and New Zealand | 64                  | New Zealand         |
| 9                  | Asia-Pacific: Islands                   | 679                 | Fiji                |
| 9                  | Asia-Pacific: Islands                   | 689                 | French Polynesia    |
| 9                  | Asia-Pacific: Islands                   | 686                 | Kiribati            |
| 9                  | Asia-Pacific: Islands                   | 691                 | Micronesia          |
| 9                  | Asia-Pacific: Islands                   | 674                 | Nauru               |
| 9                  | Asia-Pacific: Islands                   | 687                 | New Caledonia       |
| 9                  | Asia-Pacific: Islands                   | 680                 | Palau               |
| 9                  | Asia-Pacific: Islands                   | 675                 | Papua New Guinea    |
| 9                  | Asia-Pacific: Islands                   | 685                 | Samoa               |
| 9                  | Asia-Pacific: Islands                   | 677                 | Solomon Islands     |
| 9                  | Asia-Pacific: Islands                   | 676                 | Tonga               |
| 9                  | Asia-Pacific: Islands                   | 688                 | Tuvalu              |

| <b>Region Code</b> | <b>Region Name</b>    | <b>Country Code</b> | <b>Country Name</b>    |
|--------------------|-----------------------|---------------------|------------------------|
| 9                  | Asia-Pacific: Islands | 678                 | Vanuatu                |
| 15                 | Europe: Central       | 420                 | Czech Republic         |
| 15                 | Europe: Central       | 372                 | Estonia                |
| 15                 | Europe: Central       | 36                  | Hungary                |
| 15                 | Europe: Central       | 371                 | Latvia                 |
| 15                 | Europe: Central       | 370                 | Lithuania              |
| 15                 | Europe: Central       | 48                  | Poland                 |
| 15                 | Europe: Central       | 421                 | Slovak Republic        |
| 16                 | Europe: Eastern       | 355                 | Albania                |
| 16                 | Europe: Eastern       | 387                 | Bosnia and Herzegovina |
| 16                 | Europe: Eastern       | 359                 | Bulgaria               |
| 16                 | Europe: Eastern       | 385                 | Croatia                |
| 16                 | Europe: Eastern       | 383                 | Kosovo                 |
| 16                 | Europe: Eastern       | 389                 | Macedonia              |
| 16                 | Europe: Eastern       | 382                 | Montenegro             |
| 16                 | Europe: Eastern       | 40                  | Romania                |
| 16                 | Europe: Eastern       | 381                 | Serbia                 |
| 16                 | Europe: Eastern       | 90                  | Turkey                 |
| 14                 | Europe: Russia & CIS  | 374                 | Armenia                |
| 14                 | Europe: Russia & CIS  | 994                 | Azerbaijan             |
| 14                 | Europe: Russia & CIS  | 375                 | Belarus                |
| 14                 | Europe: Russia & CIS  | 995                 | Georgia                |
| 14                 | Europe: Russia & CIS  | 8                   | Kazakhstan             |
| 14                 | Europe: Russia & CIS  | 996                 | Kyrgyzstan             |
| 14                 | Europe: Russia & CIS  | 373                 | Moldova                |
| 14                 | Europe: Russia & CIS  | 976                 | Mongolia               |
| 14                 | Europe: Russia & CIS  | 7                   | Russia                 |
| 14                 | Europe: Russia & CIS  | 992                 | Tajikistan             |
| 14                 | Europe: Russia & CIS  | 993                 | Turkmenistan           |
| 14                 | Europe: Russia & CIS  | 380                 | Ukraine                |
| 14                 | Europe: Russia & CIS  | 998                 | Uzbekistan             |
| 102                | Europe: Western       | 376                 | Andorra                |
| 102                | Europe: Western       | 43                  | Austria                |
| 102                | Europe: Western       | 32                  | Belgium                |
| 102                | Europe: Western       | 357                 | Cyprus                 |
| 102                | Europe: Western       | 45                  | Denmark                |
| 102                | Europe: Western       | 358                 | Finland                |
| 102                | Europe: Western       | 33                  | France                 |
| 102                | Europe: Western       | 49                  | Germany                |
| 102                | Europe: Western       | 30                  | Greece                 |
| 102                | Europe: Western       | 354                 | Iceland                |
| 102                | Europe: Western       | 353                 | Ireland                |

| <b>Region Code</b> | <b>Region Name</b>       | <b>Country Code</b> | <b>Country Name</b>     |
|--------------------|--------------------------|---------------------|-------------------------|
| 102                | Europe: Western          | 101                 | Isle of Man             |
| 102                | Europe: Western          | 39                  | Italy                   |
| 102                | Europe: Western          | 102                 | Liechtenstein           |
| 102                | Europe: Western          | 352                 | Luxembourg              |
| 102                | Europe: Western          | 356                 | Malta                   |
| 102                | Europe: Western          | 377                 | Monaco                  |
| 102                | Europe: Western          | 31                  | Netherlands             |
| 102                | Europe: Western          | 47                  | Norway                  |
| 102                | Europe: Western          | 351                 | Portugal                |
| 102                | Europe: Western          | 386                 | Slovenia                |
| 102                | Europe: Western          | 34                  | Spain                   |
| 102                | Europe: Western          | 46                  | Sweden                  |
| 102                | Europe: Western          | 41                  | Switzerland             |
| 102                | Europe: Western          | 44                  | United Kingdom          |
| 10                 | Middle East: Gulf States | 973                 | Bahrain                 |
| 10                 | Middle East: Gulf States | 98                  | Iran                    |
| 10                 | Middle East: Gulf States | 964                 | Iraq                    |
| 10                 | Middle East: Gulf States | 965                 | Kuwait                  |
| 10                 | Middle East: Gulf States | 968                 | Oman                    |
| 10                 | Middle East: Gulf States | 974                 | Qatar                   |
| 10                 | Middle East: Gulf States | 966                 | Saudi Arabia            |
| 10                 | Middle East: Gulf States | 971                 | United Arab Emirates    |
| 10                 | Middle East: Gulf States | 967                 | Yemen                   |
| 11                 | Middle East: MENA        | 213                 | Algeria                 |
| 11                 | Middle East: MENA        | 20                  | Egypt                   |
| 11                 | Middle East: MENA        | 972                 | Israel                  |
| 11                 | Middle East: MENA        | 962                 | Jordan                  |
| 11                 | Middle East: MENA        | 961                 | Lebanon                 |
| 11                 | Middle East: MENA        | 212                 | Morocco                 |
| 11                 | Middle East: MENA        | 970                 | Palestinian Settlements |
| 11                 | Middle East: MENA        | 963                 | Syrian Arab Republic    |
| 11                 | Middle East: MENA        | 216                 | Tunisia                 |
| 11                 | Middle East: MENA        | 1212                | Western Sahara          |
| 11                 | Middle East: MENA        | 218                 | Libya                   |