| LCH S <u>A</u> - R | isk Notice - Margin Eligible Securities Collateral and Haircut Schedule | | Haircuts on | 01/11/2021 |
|--------------------------------|---|--|--|---|
| Eligible Government Securities | | Buckets | Haircuts (Conventional Bonds) | Haircuts (Inflation Linked Bonds) |
| Australia | Debt Securities issued by the Australian State: Australian Treasury Bill (ACTB) Australian Government Bond (ACGB) | 11 business days and < 0,5 year > = 0.5 and < 1 year > = 1 and < 3 years > = 3 and < 5 years > = 5 and < 7 years > = 7 and < 10 years > = 10 and < 15 years > = 10 and < 30 years > = 30 and < 50 years | 0,50% 0,50% 1,25% 2,00% 2,50% 3,75% 6,25% 14,00% | N/A N/A N/A N/A N/A N/A N/A |
| Austria | Debt Securities issued by the Austrian State: Austrian Treasury Bill (RATB) Austrian Government Bond (RAGB) | 4 business days and < 0,5 year > = 0.5 and < 1 year > = 1 and < 3 years > = 3 and < 5 years > = 5 and < 7 years > = 7 and < 10 years > = 10 and < 15 years > = 15 and < 30 years | N/A 0,50% 0,75% 1,50% 2,50% 3,00% 3,75% 5,25% 12,25% | N/A N/A N/A N/A N/A N/A N/A N/A |
| Belgium | Debt Securities issued by the Belgian state: Belgian Treasury Bill (BGTB) Belgian Government Bond (BGB) | <pre>> = 30 and < 50 years 4 business days and < 0,5 year > = 0.5 and < 1 year > = 1 and < 3 years > = 3 and < 5 years > = 5 and < 7 years > = 7 and < 10 years > = 10 and < 15 years > = 15 and < 30 years > = 30 and < 50 years</pre> | 16,50% 0,50% 2,00% 2,75% 4,25% 5,25% 7,00% 14,00% 18,50% | N/A N/A N/A N/A N/A N/A N/A N/A N/A |
| Canada | Debt Securities issued by the Canadian State: Canadian Treasury Bill (CTB) Canadian Government Bond (CAN) | 10 business days and < 0,5 year > = 0.5 and < 1 year > = 1 and < 3 years > = 3 and < 5 years > = 5 and < 7 years > = 7 and < 10 years > = 10 and < 15 years > = 10 and < 30 years > = 30 and < 50 years | 0,50% 0,50% 1,00% 2,25% 2,75% 4,00% 8,25% 10,75% | N/A N/A N/A N/A N/A N/A N/A |
| Denmark | Debt Securities issued by the Danish State: Danish Treasury Bill (DGTB) Danish Government Bond (DGB) | 6 business days and < 0,5 year > = 0.5 and < 1 year > = 1 and < 3 years > = 3 and < 5 years > = 5 and < 7 years > = 7 and < 10 years > = 10 and < 15 years > = 15 and < 30 years | 0,50% 0,50% 1,00% 1,75% 2,25% 3,25% 5,25% 12,25% | N/A N/A N/A N/A N/A N/A N/A |
| Finland | Debt Securities issued by the Finnish State: Finnish Treasury Bill (RFTB) Finnish Government Bonds (RFGB) | <pre>> = 30 and < 50 years 4 business days and < 0,5 year > = 0.5 and < 1 year > = 1 and < 3 years > = 3 and < 5 years > = 5 and < 7 years > = 7 and < 10 years > = 10 and < 15 years > = 10 and < 30 years > = 30 and < 50 years</pre> | N/A 0,50% 0,50% 1,00% 2,25% 3,00% 5,00% 11,25% 15,00% | N/A N/A N/A N/A N/A N/A N/A N/A N/A |
| France | Debt Securities issued by the French state: Bons du Trésor à Taux Fixe et Intérêt Précompté (BTF) Bons du Trésor à Taux Fixe et Intérêt Annuel (BTNS) Bons du Trésor à Taux Fixe et Intérêt Annuel I/L (BTNS) Obligations Assimilables du Trésor (FRR) Obligations Assimilables du Trésor I/L (FRTR) | 4 business days and <0.5 year > = 0.5 and <1 year > = 1 and <3 years > = 3 and <5 years > = 5 and <7 years > = 7 and <10 years > = 10 and <15 years > = 10 and <15 years > = 30 and <50 years | 0,50% 0,50% 1,25% 2,00% 2,25% 3,25% 5,50% 11,50% | 0,50% 0,75% 2,00% 2,75% 4,00% 5,00% 6,25% 14,00% 18,75% |
| Germany | Debt Securities issued by the German Federal State: German Treasury Bill (BUBILL) Bundeschatzanweisungen (BKO) Bundesobligationen (OBL) Bundesobligationen I/L (OBLI) Deutsche Bundesrepublik (DBR) Deutschland I/L (DBRI) | 3 business days and < 0,5 year > = 0,5 and < 1 year > = 1 and < 3 years > = 3 and < 5 years > = 7 and < 10 years > = 7 and < 10 years > = 10 and < 15 years > = 15 and < 30 years > = 30 and < 50 years | 0,50% 0,50% 1,00% 1,75% 2,25% 3,25% 5,00% 11,25% 15,00% | 0,50% 0,50% 1,00% 2,25% 4,25% 6,50% 11,25% 15,00% |
| Italy | Debt Securities issued by the Italian State: Buoni Ordinari del Tesoro (BOTS) Buoni del Tesoro Poliennali (BTPS) Buoni del Tesoro Poliennali /L (BTPS) Certificati di Credito del Tesoro (CCTS) | 3 business days and < 0,5 year > = 0.5 and < 1 year > = 1 and < 3 years > = 3 and < 5 years > = 5 and < 7 years > = 7 and < 10 years > = 10 and < 15 years > = 15 and < 30 years > = 30 and < 50 years | 6,00% 6,00% 7,00% 9,00% 10,50% 11,50% 13,00% 21,75% 26,50% | 6,00% 6,00% 7,00% 10,00% 12,00% 14,25% 15,75% 21,75% 26,50% |
| Japan | Debt Securities issued by the Japanese State: Japanese Treasury Bill (JGTB) Japanese Treasury Discount Bill (JTDB) Japanese Government Bond (JGB) | 6 business days and < 0,5 year > = 0.5 and < 1 year > = 1 and < 3 years > = 3 and < 5 years > = 5 and < 7 years > = 7 and < 10 years > = 10 and < 15 years > = 10 and < 30 years > = 30 and < 50 years | 0,50% 0,50% 1,00% 2,00% 3,00% 7,75% 10,25% | N/A N/A N/A N/A N/A N/A N/A N/A |
| | Debt Securities issued by the Dutch State: Dutch Treasury Certificate (DTB) | 10 business days and < 0,5 year | 0,50% | N/A |

| | Dutch Government Bond (NETHER) | > = 0.5 and < 1 year | 0,50% | N/A |
|-------------|---|--------------------------------|---------|------------|
| | | > = 1 and < 3 years | 1,00% | N/A |
| | | > = 3 and < 5 years | 1,75% | N/A |
| Netherlands | | > = 5 and < 7 years | 2,25% | N/A |
| | | > = 7 and < 10 years | 3,00% | N/A |
| | | > = 10 and < 15 years | 5,00% | N/A |
| | | > = 15 and < 30 years | | |
| | | | 11,00% | N/A |
| | | > = 30 and < 50 years | 14,75% | N/A |
| | Debt Securities issued by the Norwegian State: | 9 business days and < 0,5 year | 0,75% | N/A |
| | Norwegian Treasury Bill (NGTB) | > = 0.5 and < 1 year | 1,00% | N/A |
| | Norwegian Government Bond (NGB) | > = 1 and < 3 years | 1,50% | N/A |
| | | > = 3 and < 5 years | 2,25% | N/A |
| Norway | | > = 5 and < 7 years | 2,75% | N/A |
| itorway | | | | |
| | | > = 7 and < 10 years | 3,50% | N/A |
| | | > = 10 and < 15 years | 6,00% | N/A |
| | | > = 15 and < 30 years | N/A | N/A |
| | | > = 30 and < 50 years | N/A | N/A |
| | Debt securities issued by the Portuguese State | 3 business days and < 0,5 year | 8,25% | N/A |
| | Portuguese Treasury Bill (PORTB) | > = 0.5 and < 1 year | 11,50% | N/A |
| | Portuguese Government bond (PGB) | > = 1 and < 3 years | 21,25% | N/A |
| | For taguese Government bond (FGB) | | 27,25% | N/A |
| Portugal | | > = 3 and < 5 years | | N/A N/A |
| r or tugar | | > = 5 and < 7 years | 32,25% | |
| | | > = 7 and < 10 years | 32,25% | N/A |
| | | > = 10 and < 15 years | 32,25% | N/A |
| | | > = 15 and < 30 years | 47,00% | N/A |
| | | > = 30 and < 50 years | 54,00% | N/A |
| | Debt Securities issued by the Spanish State: | 3 business days and < 0,5 year | 2,25% | N/A |
| | Spanish Letras del Tesoro (SGLT) | > = 0.5 and < 1 year | 3,00% | N/A |
| | Spanish Government Bond (SPGB) | > = 1 and < 3 years | 6,50% | N/A |
| | | > = 3 and < 5 years | 9,25% | N/A |
| Spain | | > = 5 and < 7 years | 10,50% | N/A |
| | | > = 7 and < 10 years | 12,25% | N/A |
| | | > = 10 and < 15 years | 15,25% | N/A |
| | | > = 15 and < 30 years | 25,50% | N/A |
| | | > = 30 and < 50 years | 31,50% | N/A |
| | Darka Converties invested by the Converties Cartery | | | |
| | Debt Securities issued by the Swedish State: | 4 business days and < 0,5 year | 0,50% | N/A |
| | Swedish Treasury Bill (SWTB) | > = 0.5 and < 1 year | 0,50% | N/A |
| | Swedish Government Bond (SGB) | > = 1 and < 3 years | 1,00% | N/A |
| | | > = 3 and < 5 years | 1,75% | N/A |
| Sweden | | > = 5 and < 7 years | 2,25% | N/A |
| | | > = 7 and < 10 years | 3,25% | N/A |
| | | | | |
| | | > = 10 and < 15 years | 5,25% | N/A |
| | | > = 15 and < 30 years | 10,50% | N/A |
| | | > = 30 and < 50 years | N/A | N/A |
| | Debt Securities issued by the Swiss State: | 3 business days and < 0,5 year | 0,50% | N/A |
| | Swiss Treasury Bill (SWISTB) | > = 0.5 and < 1 year | 0,50% | N/A |
| | Swiss Government Bond (SWISS) | > = 1 and < 3 years | 1,25% | N/A |
| | | | | |
| | | > = 3 and < 5 years | 1,75% | N/A |
| Switzerland | | > = 5 and < 7 years | 2,00% | N/A |
| | | > = 7 and < 10 years | 3,00% | N/A |
| | | > = 10 and < 15 years | 5,00% | N/A |
| | | > = 15 and < 30 years | 13,50% | N/A |
| | | > = 30 and < 50 years | 18,00% | N/A |
| | Debt Securities issued by the United Kingdom State: | 9 business days and < 0,5 year | 0,50% | N/A |
| | | > = 0.5 and < 1 year | | |
| | United Kingdom Treasury Bill (UKTB) | | 0,70% | N/A |
| | United Kingdom Gilt (UKT) | > = 1 and < 3 years | 1,50% | N/A |
| | | > = 3 and < 5 years | 2,50% | N/A |
| ик | | > = 5 and < 7 years | 3,00% | N/A |
| | | > = 7 and < 10 years | 5,00% | N/A |
| | | > = 10 and < 15 years | 7,50% | N/A |
| | | > = 15 and < 30 years | 13,50% | N/A |
| | | > = 30 and < 50 years | 18,00% | N/A |
| | Debt Securities issued by the United States of America: | 3 business days and < 0,5 year | 0,50% | N/A |
| | US Treasury Bills (B) | > = 0.5 and < 1 year | 0,70% | N/A |
| | | > = 1 and < 3 years | 1,50% | N/A |
| | | > = 3 and < 5 years | 2,50% | N/A |
| 115.4 | | | | |
| USA | | > = 5 and < 7 years | 3,50% | N/A |
| | | > = 7 and < 10 years | 5,00% | N/A |
| | | > = 10 and < 15 years | 7,50% | N/A |
| | | > = 15 and < 30 years | 16,25% | N/A |
| | | > = 30 and < 50 years | 22,00% | N/A |
| | | . So and Sob years | 22,0070 | |
| | | | | |

| Eligible Securities (Supra & Agene | ies) | Buckets | Haircuts | Haircuts (Inflation Linked Bonds) |
|---------------------------------------|--|--------------------------------|----------|--------------------------------------|
| | Debt securities issued by the European Financial Stability Facility: | 4 business days and < 0,5 year | 1,50% | N/A |
| | European Financial Stability Facility bond (EFSF) | > = 0.5 and < 1 year | 1,50% | N/A |
| | | > = 1 and < 3 years | 2,50% | N/A |
| | | > = 3 and < 5 years | 3,00% | N/A |
| European Financial Stability Facility | | > = 5 and < 7 years | 3,75% | N/A |
| | | > = 7 and < 10 years | 8,00% | N/A |
| | | > = 10 and < 15 years | 8,25% | N/A |
| | | > = 15 and < 30 years | 16,50% | N/A |
| | | > = 30 and < 50 years | N/A | N/A |
| | Debt securities issued by the European Investment Bank: | 9 business days and < 0,5 year | 1,00% | N/A |
| | European Investment Bank bonds (EIB) European Investment Bank Floater (EIB) | > = 0.5 and < 1 year | 1,00% | N/A |
| | | > = 1 and < 3 years | 2,50% | N/A |
| European Investment Bank | | > = 3 and < 5 years | 3,50% | N/A |
| Luopean investment bank | | > = 5 and < 7 years | 4,50% | N/A |
| | | > = 7 and < 10 years | 8,00% | N/A |
| | | > = 10 and < 15 years | 11,50% | N/A |

| | | > = 15 and < 30 years | 16,25% | N/A |
|--|---|---------------------------------|--------|-----|
| | | > = 30 and < 50 years | N/A | N/A |
| | Debt securities issued by the European Union (EU): | 12 business days and < 0,5 year | 1,00% | N/A |
| | European Union bonds (EU) | > = 0.5 and < 1 year | 1,00% | N/A |
| | | > = 1 and < 3 years | 1,75% | N/A |
| | | > = 3 and < 5 years | 2,75% | N/A |
| European Union | | > = 5 and < 7 years | 4,50% | N/A |
| | | · · | | |
| | | > = 7 and < 10 years | 8,00% | N/A |
| | | > = 10 and < 15 years | 8,00% | N/A |
| | | > = 15 and < 30 years | 15,25% | N/A |
| | | > = 30 and < 50 years | N/A | N/A |
| | Debt securities issued by the International Bank for Reconstruction and Development : | 12 business days and < 0,5 year | 1,00% | N/A |
| | International Bank for Reconstruction and Development Bond (IBRD) | > = 0.5 and < 1 year | 1,00% | N/A |
| | | > = 1 and < 3 years | 1,75% | N/A |
| | | > = 3 and < 5 years | 2,75% | N/A |
| International Bank for Reconstruction and Development | | > = 5 and < 7 years | 4,50% | N/A |
| | | > = 7 and < 10 years | 8,00% | N/A |
| | | | | |
| | | > = 10 and < 15 years | 8,00% | N/A |
| | | > = 15 and < 30 years | 15,25% | N/A |
| | | > = 30 and < 50 years | N/A | N/A |
| | Debt securities issued by the European Stability Mechanism: | 4 business days and < 0,5 year | 1,00% | N/A |
| | European Stability Mechanism Bond (ESM) European Stability Mechanism T-bill (ESMT) | > = 0.5 and < 1 year | 1,00% | N/A |
| | | > = 1 and < 3 years | 1,50% | N/A |
| European Stability Mechanism | | > = 3 and < 5 years | 2,75% | N/A |
| , | | > = 5 and < 7 years | 3,50% | N/A |
| | | > = 7 and < 10 years | 4,50% | N/A |
| | | > = 10 and < 15 years | 8,00% | N/A |
| | | > = 15 and < 30 years | 16,50% | N/A |
| | | > = 30 and < 50 years | N/A | N/A |
| | Debt securities issued by the Landwirtschaftliche Rentenbank: | 2 business days and < 0,5 year | 1,00% | N/A |
| | Landwirtschaftliche Rentenbank Bond (RENTEN). | > = 0.5 and < 1 year | 1,25% | N/A |
| | Landwirtschaftliche Rentenbank Floater (RENTEN) | > = 1 and < 3 years | 1,50% | N/A |
| | | > = 3 and < 5 years | 2,75% | N/A |
| Landwirtschaftliche Rentenbank | | > = 5 and < 7 years | 3,50% | N/A |
| | | > = 7 and < 10 years | 4,50% | N/A |
| | | > = 10 and < 15 years | 8,00% | N/A |
| | | > = 15 and < 15 years | 14,00% | N/A |
| | | > = 30 and < 50 years | N/A | N/A |
| | Debt securities issued by the Kreditanstalt für Wiederaufbau: | | N/A | N/A |
| | Kreditanstalt für Wiederaufbau Bond (KFW) | 3 business days and < 0,5 year | 1,00% | N/A |
| | | | | |
| | | > = 0.5 and < 1 year | 1,25% | N/A |
| Man althou and a film tothe allower of | | > = 1 and < 3 years | 1,50% | N/A |
| Kreditanstalt für Wiederaufbau | | > = 3 and < 5 years | 2,75% | N/A |
| | | > = 5 and < 7 years | 3,50% | N/A |
| | | > = 7 and < 10 years | 4,50% | N/A |
| | | > = 10 and < 15 years | 8,00% | N/A |
| | | > = 15 and < 30 years | 14,00% | N/A |
| | | > = 30 and < 50 years | N/A | N/A |
| | | - | - | |

| Other stipulations | | | |
|----------------------------|--|-----------------------|--|
| Equities | Stocks incorporated European index EURO STOXX 50 (Excluding Banking & Insurance stocks) within the limitsset out by LCR An haircut of 35 % is applied on shares accepted as collateral; Equity Securities not accepted for CDSClear Margins. | H SA; | |
| Haircut allocation rule | For non-cash collateral lodged bilaterally, the duration is used to determine the haircut; For non-cash collateral lodged using triparty solution, the time to maturity is used to determine the haircut. | | |
| Additional Haircuts | Certain collateral can from time to time be subject to additional haircuts above those stated. | | |
| Excluded bonds instruments | LCH SA deems non eligible the following securities : • Zero Coupon bonds, strips bonds and perpetual bonds, at the exception of those listed in a Notice ; • Bonds close to maturity. • Optionable bonds (Sinkable, Callable, Putable). | | |
| Concentration Limits | LCH SA reserves the right to manage specific concentrations in margin collateral in all circumstances. Where positions are co view to re-alignment of their portfolio. | onsidered to be exces | sively concentrated, members will be contacted directly with a |
| | • For payment in non EURO, LCH SA applies a haircut on the equivalent in EURO calculated from the currency exchange rate | the below increment | tal FX Haircut apply. |
| | Currency | FX HC | Minimum nominal Value in ccy |
| | AUD | 6,90% | 100 000 |
| | CAD | 4,50% | 100 000 |
| Currency Haircut | СНЕ | 6,20% 0,20% | 100 000 1 000 000 |
| | EUR | 0,20% | 100 000 |
| | GBP | 5,40% | 100 000 |
| | JPY | 7,50% | 10 000 000 |
| | NOK | 4,90% | 1 000 000 |
| | SEK | 3,50% | 1 000 000 |
| | USD | 4,80% | 100 000 |

| ri Party | For non-cash collateral lodged using triparty solution, same haircuts apply For non-cash collateral lodged using triparty solution, the minimum Nominal value is defined i | For non-cash collateral lodged using triparty solution, same haircuts apply For non-cash collateral lodged using triparty solution, the minimum Nominal value is defined in the Triparty contract | | | |
|--------------------|--|--|---------------|--|--|
| | Debt | Min Maturity (in business days) | Max Maturity* | | |
| | Australia | 11 | 30Y | | |
| | Austria | 4 | 50Y | | |
| | Belgium | 4 | 50Y | | |
| | Canada | 10 | 50Y | | |
| | Denmark | 6 | 30Y | | |
| | Finland | 4 | 50Y | | |
| | France | 4 | 50Y | | |
| | Germany | 3 | 50Y | | |
| | Italy | 3 | 50Y | | |
| | Japan | 6 | 50Y | | |
| ırities | Netherland | 10 | 50Y | | |
| antics | Norway | 9 | 11Y | | |
| | Portugal | 3 | 50Y | | |
| | Spain | 3 | 50Y | | |
| | Sweden | 4 | 30Y | | |
| | Switzerland | 3 | 50Y | | |
| | UK | 9 | 50Y | | |
| | USA | 3 | 50Y | | |
| | EFSF | 4 | 30Y | | |
| | EIB | 9 | 30Y | | |
| | EU | 12 | 30Y | | |
| | IBRD | 12 | 30Y | | |
| | ESM | 4 | 30Y | | |
| | Rentenbank | 2 | 30Y | | |
| | KFW | 3 | 30Y | | |
| | *The maximum maturity is here referring to the associated benchr | nark of the mentioned tenors. | | | |
| ir cut Application | The application of the haircuts is performed according to the below formula: Price x (1-HC) x (1- | Fx HC) | | | |