

| LLC - Margin Collateral Haircut Schedule | | 22-Sep-14 | | |
|--|---|-----------------------------------|------------------------------|---------------------------------------|
| Government Securities (Description & Bloomberg Code) | | Term | Haircut (Conventional Bonds) | Haircut (Inflation Link Bonds - ILBs) |
| Australia | Australian Treasury Bill (ACTB) Australian Government Bond (ACGB) Australian Government I/L (ACGB) | 11 business days <= 1yr | 4.63% | 4.63% |
| | | > 1yr <= 3yrs | 5.00% | 5.00% |
| | | > 3yrs <= 7 yrs | 6.25% | 6.25% |
| | | > 7yrs <= 11yrs | 6.75% | 6.75% |
| | | > 11yrs <= 30yrs | 8.25% | 9.25% |
| > 30yrs | 8.25% | 9.25% | | |
| Austria | Austrian Treasury Bill (RATB) Austrian Government Bond (RAGB) | 4 business days <= 1yr | 4.25% | |
| | | > 1yr <= 3yrs | 5.00% | |
| | | > 3yrs <= 7 yrs | 6.75% | |
| | | > 7yrs <= 11yrs | 7.00% | |
| | | > 11yrs <= 30yrs | 10.50% | |
| > 30yrs | 13.50% | | | |
| Belgium | Belgian Treasury Bill (BGTB) Belgian Government Bond (BGB) | 4 business days <= 1yr | 5.00% | |
| | | > 1yr <= 3yrs | 6.75% | |
| | | > 3yrs <= 7 yrs | 9.50% | |
| | | > 7yrs <= 11yrs | 11.25% | |
| | | > 11yrs <= 30yrs | 14.25% | |
| > 30yrs | 16.00% | | | |
| Canada | Canadian Treasury Bill (CTB) Canadian Government Bond (CAN) Canada Government Real Return Bond (CAN) | 10 calendar days <= 1yr | 4.25% | 4.25% |
| | | > 1yr <= 3yrs | 4.88% | 4.88% |
| | | > 3yrs <= 7 yrs | 5.63% | 5.63% |
| | | > 7yrs <= 11yrs | 6.25% | 7.25% |
| | | > 11yrs <= 30yrs | 8.00% | 10.50% |
| > 30yrs | 8.50% | 10.50% | | |
| Denmark | Danish Treasury Bill (DGTB) Danish Government Bond (DGB) Danish Government I/L (DGBI) | 6 business days <= 1yr | 4.38% | |
| | | > 1yr <= 3yrs | 5.00% | |
| | | > 3yrs <= 7 yrs | 6.00% | |
| | | > 7yrs <= 11yrs | 6.63% | |
| | | > 11yrs <= 30yrs | 8.75% | |
| > 30yrs | 8.75% | | | |
| Finland | Finnish Treasury Bill (RFTB) Finnish Government Bonds (RFGB) | 4 business days <= 1yr | 4.25% | |
| | | > 1yr <= 3yrs | 5.00% | |
| | | > 3yrs <= 7 yrs | 6.00% | |
| | | > 7yrs <= 11yrs | 6.25% | |
| | | > 11yrs <= 30yrs | 7.75% | |
| > 30yrs | 7.75% | | | |
| France | 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 (FRTR) Obligations Assimilables du Trésor I/L (FRTR) | 4 business days <= 1yr | 4.50% | 4.50% |
| | | > 1yr <= 3yrs | 5.00% | 5.50% |
| | | > 3yrs <= 7 yrs | 6.00% | 8.00% |
| | | > 7yrs <= 11yrs | 6.50% | 9.50% |
| | | > 11yrs <= 30yrs | 10.00% | 12.75% |
| > 30yrs | 14.00% | 14.00% | | |
| Germany | German Treasury Bill (BUBILL) Bundesschatzanweisungen (BKO) Bundesobligationen (OBL) Bundesobligationen I/L (OBLI) Deutsche Bundesrepublik (DBR) Deutschland I/L (DBRI) | 3 business days <= 1yr | 4.25% | 4.25% |
| | | > 1yr <= 3yrs | 4.88% | 4.88% |
| | | > 3yrs <= 7 yrs | 6.00% | 6.00% |
| | | > 7yrs <= 11yrs | 6.75% | 6.75% |
| | | > 11yrs <= 30yrs | 10.38% | 10.38% |
| > 30yrs | 11.25% | 11.25% | | |
| Japan | Japanese Treasury Bill (JGTB) Japanese Treasury Discount Bill (JTDB) Japanese Government Bond (JGB) | 6 business days <= 1yr | 6.00% | |
| | | > 1yr <= 3yrs | 6.25% | |
| | | > 3yrs <= 7 yrs | 8.00% | |
| | | > 7yrs <= 11yrs | 8.50% | |
| | | > 11yrs <= 30yrs | 12.75% | |
| > 30yrs | 12.75% | | | |

| Government Securities (Description & Bloomberg Code) | | Term | Haircut (Conventional Bonds) | Haircut (Inflation Link Bonds - ILBs) |
|--|---|-----------------------------------|------------------------------|---------------------------------------|
| Luxembourg | Luxembougois Government Bonds (LGB) | 5 business days <= 1yr | 4.50% | |
| | | > 1yr <= 3yrs | 5.25% | |
| | | > 3yrs <= 7 yrs | 6.00% | |
| | | > 7yrs <= 11yrs | 6.88% | |
| | | > 11yrs <= 30yrs | 10.25% | |
| | | > 30yrs | 10.25% | |
| Netherlands | Dutch Treasury Certificate (DTB) Dutch Government Bond (NETHER) | 10 business days <= 1yr | 4.25% | |
| | | > 1yr <= 3yrs | 4.88% | |
| | | > 3yrs <= 7 yrs | 6.00% | |
| | | > 7yrs <= 11yrs | 6.25% | |
| | | > 11yrs <= 30yrs | 10.75% | |
| | | > 30yrs | 11.75% | |
| Norway | Norwegian Treasury Bill (NGTB) Norwegian Government Bond (NGB) | 9 business days <= 1yr | 4.25% | |
| | | > 1yr <= 3yrs | 5.25% | |
| | | > 3yrs <= 7 yrs | 6.25% | |
| | | > 7yrs <= 11yrs | 7.75% | |
| | | > 11yrs <= 30yrs | 8.00% | |
| | | > 30yrs | 8.00% | |
| Sweden | Swedish Treasury Bill (SWTB) Swedish Government Bond (SGB) Swedish Government I/L (SGBI) | 4 business days <= 1yr | 4.13% | 4.13% |
| | | > 1yr <= 3yrs | 5.00% | 5.75% |
| | | > 3yrs <= 7 yrs | 6.50% | 6.50% |
| | | > 7yrs <= 11yrs | 6.88% | 6.88% |
| | | > 11yrs <= 30yrs | 8.13% | 8.50% |
| | | > 30yrs | 8.13% | 8.50% |
| United Kingdom | United Kingdom Treasury Bill (UKTB) United Kingdom Gilt (UKT) United Kingdom Index Linked Gilt (UKTI) | 9 business days <= 1yr | 4.25% | 4.25% |
| | | > 1yr <= 3yrs | 5.00% | 5.00% |
| | | > 3yrs <= 7 yrs | 6.25% | 7.50% |
| | | > 7yrs <= 11yrs | 7.00% | 9.25% |
| | | > 11yrs <= 30yrs | 9.50% | 12.50% |
| | | > 30yrs | 11.50% | 12.50% |
| United States | United States Treasury Bill (B) United States Treasury Bond (T) United States Treasury Inflation Indexed Bond (TII) | 3 business days <= 1yr | 0.25% | 0.25% |
| | | > 1yr <= 3yrs | 1.38% | 1.38% |
| | | > 3yrs <= 7 yrs | 2.75% | 3.50% |
| | | > 7yrs <= 11yrs | 3.50% | 5.25% |
| | | > 11yrs <= 30yrs | 6.75% | 10.25% |
| | | > 30yrs | 6.75% | 10.25% |

| Mortgage Backed Securities (Description & Bloomberg Code) | | Term Since Issue | Haircut |
|--|--|------------------------|---------|
| US MBS | General National Mortgage Association (GNMA) | New (0 - 30 months) | 12.00% |
| | | Medium (30- 60 months) | 14.50% |
| | | Seasoned (> 60 months) | N/a |

| Government Agencies (Description & Bloomberg Code) | | Term | Haircut |
|---|--|------------------------|---------|
| US Agencies | Federal National Mortgage Association (FNMA) Federal Home Loan Mortgage Corporation (FHLMC) Federal Home Loan Banks (FHLB) | 3 business days <= 1yr | 0.75% |
| | | > 1yr <= 3yrs | 1.50% |
| | | > 3yrs <= 7 yrs | 4.00% |
| | | > 7yrs <= 11yrs | 5.00% |
| | | > 11yrs <= 30yrs | 8.25% |
| EUR Agencies | Kreditanstalt für Wiederaufbau (KfW) FMS Wertmanagement (FMSWER) | 3 business days <= 1yr | 4.63% |
| | | > 1yr <= 3yrs | 5.25% |
| | | > 3yrs <= 7 yrs | 6.25% |
| | | > 7yrs <= 11yrs | 6.63% |
| | | > 11yrs <= 30yrs | 10.63% |

| Securities issued under Government Credit Guarantee Schemes | | Term | Haircut |
|--|-----------------------------|------------------------|---------|
| Australia | Government Guaranteed Bonds | 3 business days <= 1yr | 5.25% |
| | | > 1yr <= 3yrs | 7.00% |
| | | > 3yrs <= 7 yrs | |
| Austria | Government Guaranteed Bonds | 3 business days <= 1yr | 5.00% |
| | | > 1yr <= 3yrs | 7.25% |
| | | > 3yrs <= 7 yrs | |
| France | Government Guaranteed Bonds | 3 business days <= 1yr | 5.00% |
| | | > 1yr <= 3yrs | 8.00% |
| | | > 3yrs <= 7 yrs | |
| Germany | Government Guaranteed Bonds | 3 business days <= 1yr | 4.75% |
| | | > 1yr <= 3yrs | 6.75% |
| | | > 3yrs <= 7 yrs | |
| Netherlands | Government Guaranteed Bonds | 3 business days <= 1yr | 4.75% |
| | | > 1yr <= 3yrs | 6.75% |
| | | > 3yrs <= 7 yrs | |
| Sweden | Government Guaranteed Bonds | 3 business days <= 1yr | 4.75% |
| | | > 1yr <= 3yrs | 8.50% |
| | | > 3yrs <= 7 yrs | |

| Other Stipulations | | |
|------------------------|------------|--|
| Haircuts | FX | To capture the potential FX exposure related to cover being provided in a currency other than the underlying liability, a 4% incremental FX haircut has been applied upon all non-US Dollar securities in the schedule above. |
| | Additional | Certain collateral can at times be subject to additional haircuts above those stated. Members lodging this collateral will be contacted directly as appropriate, and further detail can be obtained by contacting CaLM Risk. |
| Market of Issue | | Government securities must be issued in the home country of the issuer and be denominated in the domestic currency to be acceptable. Government agencies and securities issued under Government Credit Guarantee Schemes must both be issued in the home country of the issuer and be denominated in the domestic currency to be acceptable. These instrument categories are maintained using ISIN lists. |
| Excluded Instruments | | Zero coupon bonds, stripped bonds and perpetual bonds Japanese Govt FRNs and Japanese Govt ILBs |
| Concentration Controls | | In addition to the concentration limits in place upon particular asset types as noted above, LCH.Clearnet reserves the right to manage specific concentrations in margin collateral in all circumstances. Where positions are considered to be excessively concentrated, members will be contacted directly with a view to re-alignment of their portfolio. |