Go	overnment Securities (Description & Bloomberg Code)	Term	Haircut (Conventional Bonds)	Haircut (Inflation Linked Bonds)
		11 business days <= 1yr	5.88%	5.88%
		> 1yr <= 3yrs	6.25%	6.25%
	Australian Treasury Bill (ACTB)	> 3yrs <=7 yrs	7.50%	7.50%
Australia	Australian Government III (ACCR)	> 7yrs <= 11yrs	8.00%	8.00%
	Australian Government I/L (ACGB)	> 11yrs <= 30yrs	12.13%	12.13%
		> 30yrs	NA	NA
		4 business days <= 1yr	5.50%	
		> 1yr <= 3yrs	6.25%	
	Austrian Treasury Bill (RATB)	> 3yrs <=7 yrs	8.00%	
Austria	Austrian Government Bond (RAGB)	> 7yrs <= 11yrs	8.25%	
		> 11yrs <= 30yrs	11.50%	
		> 30yrs	13.63%	
		4 business days <= 1yr	6.13%	
		> 1yr <= 3yrs	7.00%	
	Belgian Treasury Bill (BGTB)	> 3yrs <=7 yrs	8.75%	
Belgium	Belgian Government Bond (BGB)	> 7yrs <= 11yrs	10.00%	
	3, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	> 11yrs <= 30yrs	13.25%	
		> 30yrs	16.13%	
		10 calendar days <= 1yr	5.50%	5.50%
		> 1yr <= 3yrs	6.13%	6.13%
	Canadian Treasury Bill (CTB) Canadian Government Bond (CAN) Canada Government Real Return Bond (CAN)	> 3yrs <=7 yrs	6.88%	6.88%
Canada		> 7yrs <= 11yrs	7.50%	7.75%
		> 11yrs <= 11yrs > 11yrs <= 30yrs	10.25%	11.63%
		· ·	10.25%	11.63%
		> 30yrs	5.63%	5.63%
		6 business days <= 1yr		
	Danish Treasury Bill (DGTB) Danish Government Bond (DGB)	> 1yr <= 3yrs	6.25% 7.25%	6.25% 7.25%
Denmark		> 3yrs <=7 yrs		
	Danish Government I/L (DGBI)	> 7yrs <= 11yrs	7.88%	7.88%
		> 11yrs <= 30yrs	12.00%	NA NA
		> 30yrs	NA 5 50%	NA
		4 business days <= 1yr	5.50%	
	5 T	> 1yr <= 3yrs	6.25%	
Finland	Finnish Treasury Bill (RFTB) Finnish Government Bonds (RFGB)	> 3yrs <=7 yrs	7.25%	
		> 7yrs <= 11yrs	8.00%	
		> 11yrs <= 30yrs	11.50%	
		> 30yrs	NA 	
	Bons du Trésor à Taux Fixe et Intérêt Précompté (BTF)	4 business days <= 1yr	5.75%	5.75%
	Bons du Trésor à Taux Fixe et Intérêt Annuel (BTNS)	> 1yr <= 3yrs	6.25%	6.25%
France	Bons du Trésor à Taux Fixe et Intérêt Annuel I/L (BTNS)	> 3yrs <=7 yrs	7.25%	8.25%
	Obligations Assimilables du Trésor (FRTR)	> 7yrs <= 11yrs	8.13%	9.75%
	Obligations Assimilables du Trésor I/L (FRTR)	> 11yrs <= 30yrs	11.75%	12.25%
		> 30yrs	14.50%	NA
	German Treasury Bill (BUBILL)	3 business days <= 1yr	5.50%	5.50%
	Bundesschatzanweisungen (BKO)	> 1yr <= 3yrs	6.13%	6.13%
Germany	Bundesobligationen (OBL)	> 3yrs <=7 yrs	7.25%	8.00%
Commany	Bundesobligationen I/L (OBLI)	> 7yrs <= 11yrs	8.00%	8.50%
	Deutsche Bundesrepublik (DBR) Deutschland I/L (DBRI)	> 11yrs <= 30yrs	12.25%	12.25%
	Dedischland I/L (DBRI)	> 30yrs	13.63%	13.63%
		3 business days <= 1yr	8.00%	8.50%
	Buoni Ordinari del Tesoro (BOTS)	> 1yr <= 3yrs	10.50%	11.25%
Italy	Buoni del Tesoro Poliennali (BTPS)	> 3yrs <=7 yrs	14.13%	14.50%
Italy	Buoni del Tesoro Poliennali I/L (BTPS)	> 7yrs <= 11yrs	15.88%	20.50%
	Certificati di Credito del Tesoro (CCTS)	> 11yrs <= 30yrs	19.75%	23.25%
		> 30yrs	21.63%	NA
		6 business days <= 1yr	6.88%	
		> 1yr <= 3yrs	7.50%	
	Japanese Treasury Bill (JGTB)	> 3yrs <=7 yrs	8.38%	
Japan	Japanese Treasury Discount Bill (JTDB)	> 7yrs <= 11yrs	8.38%	
	Japanese Government Bond (JGB)	> 11yrs <= 30yrs	11.63%	
	1	/ 11y13 \- 30y13	11.00/0	1

Gover	nment Securities (Description & Bloomberg Code)	Term	Haircut (Conventional Bonds)	Haircut (Inflation Linked Bonds)
		5 business days <= 1yr	5.88%	
		> 1yr <= 3yrs	6.50%	
Luxembourg	Luxembougois Government Bonds (LGB)	> 3yrs <=7 yrs	7.38%	
Luxombourg	Editorisouguio Government Bondo (EGB)	> 7yrs <= 11yrs	8.13%	
		> 11yrs <= 30yrs	11.38%	
		> 30yrs	13.63%	
		10 business days <= 1yr	5.87%	
		> 1yr <= 3yrs	6.13%	
Netherlands	Dutch Treasury Certificate (DTB)	> 3yrs <=7 yrs	7.25%	
	Dutch Government Bond (NETHER)	> 7yrs <= 11yrs	7.50%	
		> 11yrs <= 30yrs	11.63%	
		> 30yrs	12.38%	
		9 business days <= 1yr	5.50%	
		> 1yr <= 3yrs	6.50%	
Norway	Norwegian Treasury Bill (NGTB)	> 3yrs <=7 yrs	7.50%	
•	Norwegian Government Bond (NGB)	> 7yrs <= 11yrs	8.88%	
		> 11yrs <= 30yrs	NA	
		> 30yrs	NA	
		3 business days <= 1yr	7.88%	
	Spanish Letras del Tesoro (SGLT) Spanish Government Bond (SPGB)	> 1yr <= 3yrs	10.63%	
Spain		> 3yrs <=7 yrs	14.38%	
•		> 7yrs <= 11yrs	16.63%	
		> 11yrs <= 30yrs	22.38%	
		> 30yrs	23.88%	
		4 business days <= 1yr	5.38%	6.00%
	Swedish Treasury Bill (SWTB)	> 1yr <= 3yrs	6.25%	6.88%
Sweden	Swedish Government Bond (SGB)	> 3yrs <=7 yrs	7.50%	7.50%
	Swedish Government I/L (SGBI)	> 7yrs <= 11yrs	8.13%	8.13%
		> 11yrs <= 30yrs	11.88%	11.88%
		> 30yrs	NA 5 000/	NA
		3 business days <= 1yr	5.88%	
	O in The Principle Bill (OMMOTE)	> 1yr <= 3yrs	6.13%	
Switzerland	Swiss Treasury Bill (SWISTB) Swiss Government Bond (SWISS)	> 3yrs <=7 yrs	7.00% 7.75%	
	Owiss Covernment Bond (Ovvioo)	> 7yrs <= 11yrs	13.75%	
		> 11yrs <= 30yrs > 30yrs		
		9 business days <= 1yr	14.63% 5.50%	5.50%
		> 1yr <= 3yrs	6.25%	6.25%
	United Kingdom Treasury Bill (UKTB)	> 1yr <= 3yrs > 3yrs <=7 yrs	7.50%	8.50%
United Kingdom	United Kingdom Gilt (UKT)	> 7yrs <= 11yrs	8.25%	10.00%
	United Kingdom Index Linked Gilt (UKTI)	> 11yrs <= 30yrs	11.25%	13.13%
		> 11yis <= 30yis > 30yrs	13.50%	17.13%
		3 business days <= 1yr	5.50%	5.88%
		> 1yr <= 3yrs	6.63%	7.63%
	United States Treasury Bill (B)	> 1yr <= 3yrs > 3yrs <= 7 yrs	8.00%	8.25%
United States	United States Treasury Bond (T)	> 7yrs <= 11yrs	8.75%	10.00%
	United States Treasury Inflation Indexed Bond (TII)	1 7	12.50%	16.00%
		> 11yrs <= 30yrs	12.50%	10.00%

Mortgage Backed Securities (Description & Bloomberg Code)		Term Since Issue	Haircut
		New (0 - 30 months)	17.25%
US MBS	General National Mortgage Association (GNMA)	Medium (30- 60 months)	19.75%
		Seasoned (> 60 months)	NA

	Government Agencies (Description & Bloomberg Code)	Term	Haircut
		3 business days <= 1yr	5.88%
		> 1yr <= 3yrs	6.13%
EUR Agencies	Kreditanstalt für Wiederaufbau (KFW) FMS Wertmanagement (FMSWER)	> 3yrs <=7 yrs	7.00%
EUR Agencies		> 7yrs <= 11yrs	7.88%
		> 11yrs <= 30yrs	14.63%
		>30yrs	NA
		3 business days <= 1yr	6.00%
	Follow I Niedland I Market and American (FNIMA)	> 1yr <= 3yrs	6.75%
US Agencies	Federal National Mortgage Association (FNMA) Federal Home Loan Mortgage Corporation (FHLMC)	> 3yrs <=7 yrs	8.38%
US Agencies	Federal Home Loan Banks (FHLB)	> 7yrs <= 11yrs	9.25%
	r oddiai rioino Esair Baino (i r iEB)	> 11yrs <= 30yrs	12.50%
		>30yrs	NA

Other Stipulations								
			X hai				h securities in the schedule above, regardless of the	
		currency of the asset. Using the grid below, LCH will apply a further incremental FX haircut in any instances where (i) there is a mismatch between the main currency of risk on the cleared positions and currency of collateral (cash and non-cash) and (ii) the implied FX haircut using the grid is greater than the 5.25% already applied to the non-cash securities.						
		_		Lia	ability Curre	ncy	1	
				USD	EUR	GBP		
			USD	0.0%	4.0%	4.8%		
Haircuts	FX (Cash &		EUR	4.1%	0.0%	3.7%	_	
i iaii cuts	Non-Cash)		GBP	5.0%	3.8%	0.0%	-	
			AUD CHF	6.5% 5.2%	5.5% 4.2%	5.5% 5.9%	-	
		-	JPY	4.4%	5.9%	8.0%	-	
		_	SEK	5.0%	3.3%	5.4%	1	
			DKK	4.1%	0.1%	3.7%	1	
			NOK	5.0%	3.9%	4.6%	1	
			CAD	4.1%	4.3%	4.2%	1	
							-	
	Additional						above those stated. Members lodging this collateral will be ned by contacting LCH.	
		Government securities be acceptable.	must	be issued i	n the home	country of th	e issuer and be denominated in the domestic currency to	
Market of I	ssue	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.						
		Haircuts have been set appropriately to reflect the maximum term maturity for each issuer at the time of review. Any new issuances of maturity greater than those at review will need to be assessed before being accepted as margin collateral.						
		Further, where haircuts have not been set for the >30yrs bucket the maximum eligible maturities are as follows.						
		Conventional Bonds m	aximu	ım eligible t	erm:			
		Australia: 30 yrs Denmark: 30 yrs						
		Finland: 30 yrs						
		Norway: 11 yrs						
Maximum [*]	Term Maturity							
		United States: 30 yrs						
		Inflation Linked Bonds	maxir	num eliaible	e term:			
		Australia ILB: 25 yrs		3				
		Denmark ILB: 11 yrs						
		France ILB: 30 yrs						
		Italy ILB: 30 yrs Sweden ILB: 30 yrs						
		United States ILB: 30 y	/rs					
Excluded Instruments		Zero coupon bonds, st Japanese Govt FRNs				onds.		
		<u>l</u>						

Concentration Controls	In addition to the concentration limits in place upon particular asset types as noted above, LCH 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.
Swiss Bonds	Swiss Bonds can currently only be accepted via the tri-party service offered at EuroClear and Clearstream.
Note	For current haircuts please go to: https://secure-area.lchclearnet.com/secure_area/Default.asp