	•			
G	overnment Securities (Description & Bloomberg Code)	Term	Haircut (Conventional Bonds)	Haircut (Inflation Linked Bonds)
		11 business days <= 1yr	5.88%	5.88%
	Australian Transport Bill (ACTD)	> 1yr <= 3yrs	6.25%	6.25%
Australia	Australian Treasury Bill (ACTB) Australian Government Bond (ACGB)	> 3yrs <=7 yrs	7.50%	7.50%
ruotiunu	Australian Government I/L (ACGB)	> 7yrs <= 11yrs	8.00%	8.00%
	, , ,	> 11yrs <= 30yrs	12.13%	12.13%
		> 30yrs	NA	NA
		4 business days <= 1yr	5.50%	
		> 1yr <= 3yrs	6.25%	
Austria	Austrian Treasury Bill (RATB) Austrian Government Bond (RAGB)	> 3yrs <=7 yrs	8.00%	
	Austrian Government Bond (RAGB)	> 7yrs <= 11yrs	8.25%	
		> 11yrs <= 30yrs	11.50%	
		> 30yrs	13.63% 6.13%	
		4 business days <= 1yr	7.00%	
	Belgian Treasury Bill (BGTB)	> 1yr <= 3yrs > 3yrs <=7 yrs	8.75%	
Belgium	Belgian Government Bond (BGB)	> 7yrs <= 11yrs	10.00%	
	beigian covernment bend (beb)	> 11yrs <= 11yrs > 11yrs <= 30yrs	13.25%	
		> 11yrs <= 30yrs > 30yrs	16.13%	
		10 calendar days <= 1yr	5.50%	5.50%
		> 1yr <= 3yrs	6.13%	6.13%
	Canadian Treasury Bill (CTB)	> 3yrs <=7 yrs	6.88%	6.88%
Canada	Canadian Government Bond (CAN)	> 7yrs <= 11yrs	7.50%	7.75%
	Canada Government Real Return Bond (CAN)	> 11yrs <= 30yrs	10.25%	11.63%
		> 30yrs	10.50%	11.63%
		6 business days <= 1yr	5.63%	5.63%
		> 1yr <= 3yrs	6.25%	6.25%
Denmark	Danish Treasury Bill (DGTB) Danish Government Bond (DGB) Danish Government I/L (DGBI)	> 3yrs <=7 yrs	7.25%	7.25%
Denmark		> 7yrs <= 11yrs	7.88%	7.88%
	Danier Covernment (/2 (DCDI)	> 11yrs <= 30yrs	12.00%	NA
		> 30yrs	NA	NA
		4 business days <= 1yr	5.50%	
		> 1yr <= 3yrs	6.25%	
Finland	Finnish Treasury Bill (RFTB)	> 3yrs <=7 yrs	7.25%	
	Finnish Government Bonds (RFGB)	> 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% 11.75%	9.75% 12.25%
	Obligations Assimilables du Trésor I/L (FRTR)	> 11yrs <= 30yrs > 30yrs	14.50%	12.25% NA
		3 business days <= 1vr	5.50%	5.50%
	German Treasury Bill (BUBILL)	> 1yr <= 3yrs	6.13%	6.13%
	Bundesschatzanweisungen (BKO) Bundesobligationen (OBL)	> 3yrs <= 7 yrs	7.25%	8.00%
Germany	Bundesobligationen I/L (OBLI)	> 7yrs <= 11yrs	8.00%	8.50%
	Deutsche Bundesrepublik (DBR)	> 11yrs <= 30yrs	12.25%	12.25%
	Deutschland 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%
	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%	
	Japanese Treasury Bill (JGTB)	> 1yr <= 3yrs	7.50%	
Japan	Japanese Treasury Discount Bill (JTDB)	> 3yrs <=7 yrs	8.38%	
	Japanese Government Bond (JGB)	> 7yrs <= 11yrs	8.38%	
	i i	> 11yrs <= 30yrs	11.63%	
		> 30yrs	13.63%	

Luxembourg			Bonds)	Haircut (Inflation Linked Bonds)
Luxembourg		5 business days <= 1yr	5.88%	
Luxembourg		> 1yr <= 3yrs	6.50%	
Luxembourg	Luxembougois Government Bonds (LGB)	> 3yrs <=7 yrs	7.38%	
	Euxembougus Government Bonds (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 Tabas	NA
		3 business days <= 1yr	5.88%	
		> 1yr <= 3yrs	6.13%	
Switzerland	Swiss Treasury Bill (SWISTB) Swiss Government Bond (SWISS)	> 3yrs <=7 yrs	7.00%	
	Swiss Government Bond (Swiss)	> 7yrs <= 11yrs	7.75%	
		> 11yrs <= 30yrs	13.75%	
		> 30yrs	14.63%	5.50%
		9 business days <= 1yr	5.50% 6.25%	5.50% 6.25%
	United Kingdom Treasury Bill (UKTB)	> 1yr <= 3yrs	7.50%	6.25% 8.50%
United Kingdom	United Kingdom Gilt (UKT)	> 3yrs <=7 yrs	7.50% 8.25%	8.50% 10.00%
	United Kingdom Index Linked Gilt (UKTI)	> 7yrs <= 11yrs		10.00% 13.13%
		> 11yrs <= 30yrs	11.25%	
		> 30yrs 3 business days <= 1yr	13.50% 5.50%	17.13% 5.88%
			6.63%	5.88% 7.63%
	United States Treasury Bill (B)	> 1yr <= 3yrs	8.00%	7.63% 8.25%
United States	United States Treasury Bond (T)	> 3yrs <=7 yrs		
	United States Treasury Inflation Indexed Bond (TII)	> 7yrs <= 11yrs	8.75%	10.00%
		> 11yrs <= 30yrs > 30yrs	12.50% NA	16.00% NA

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							
		A 5.25% incremental FX haircut has been applied to all non-cash 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.					
		-	9		ability Curre		1
		-		USD	EUR	GBP	1
		Ī	USD	0.0%	4.0%	4.8%	
	FX (Cash &	I	EUR	4.1%	0.0%	3.7%	
Haircuts	Non-Cash)	<u> </u>	GBP	5.0%	3.8%	0.0%	
		_	AUD	6.5%	5.5%	5.5%	
		-	CHF JPY	5.2% 4.4%	4.2% 5.9%	5.9%	-
		-	SEK	5.0%	3.3%	8.0% 5.4%	-
		-	DKK	4.1%	0.1%	3.7%	-
		-	NOK	5.0%	3.9%	4.6%	1
		1	CAD	4.1%	4.3%	4.2%	1
					•		-
	Additional						above those stated. Members lodging this collateral will be ned by contacting LCH.
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.					
Maximum Term Maturity		issuances of maturi Further, where hair Conventional Bonds Australia: 30 yrs Denmark: 30 yrs Finland: 30 yrs Norway: 11 yrs	ity greate cuts have s maximu rs ads maxir s	r than those e not been s um eligible t	e at review v et for the >3 erm:	vill need to b	m maturity for each issuer at the time of review. Any new e assessed before being accepted as margin collateral. the maximum eligible maturities are as follows.
Excluded Instruments		Zero coupon bonds Japanese Govt FRI				onds.	

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