

ECC CPMI-IOSCO Disclosure II/2017

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Contact

European Commodity Clearing AG

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Ci ivii			Clearing
	Index	disclosure item	date, type, value
4.	4000	Credit Risk (Principle 4)	
		Total value of default resources (excluding initial and retained variation	As at quarter end
		margin), split by clearing service if default funds are segregated by clearing	Mn. EURO
4.1		service	(Bonds at collateral value)
	4101	a) pre-funded	346,2
		own capital that forms part of the default waterfall (used before	
	4103	· · · · · · · · · · · · · · · · · · ·	10,0
	4102	ii. aggregate participant contributions iii. other	336,2 0,0
	4104	b) committed	n/a
	.10.	own/parent funds that are committed to address a participant	,
	4105	1	n/a
		aggregate participant commitments to address an initial participant	
	4106		n/a
		aggregate participant commitments to replenish the default fund to	
	4107	1 ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	251,3
4.2	4201	iv. other KCCP	n/a 1,1
4.2	4201	incer	1,1
		Value of pre-funded default resources (excluding initial and retained	As at quarter end
4.3		variation margin)	Mn. EURO
	4301	a) total Cash	284,0
	4302	· · · · · · · · · · · · · · · · · · ·	[2]
	4303	<u>'</u>	[2]
	4304	,	[2]
	4305	<u>'</u>	[2]
	4306	b) Bonds at market value w/o haircut i. Agency	4,1
	4300	l	11,9
	4308	l	12,4
	4309	l	15,1
	4310	v. State / Provincial / Municipal - foreign	0,0
	4311	vi. Supranational Agency	11,9
	4312		0,0
		c) Bonds at collateral value (post haircut)	2.0
	4313		3,9 11,5
	4314 4315	l	11,4
	4316	l	14,6
	4317	l	0,0
	4318		10,9
	4319	vii. other Bonds	0,0
		d) other	[3]
1.1		a) State whether the CCD is subject to a minimum "Cover 1" or "Cover 2"	As at quarter and
4.4	4401	a) State whether the CCP is subject to a minimum "Cover 1" or "Cover 2" requirement in relation to total pre-funded default resources	As at quarter end Cover 2
		b) assumed close out period (days)	2
	4402	c) the estimated largest aggregate stress loss (in excess of initial margin)	
		that would be caused by the default of any single participant and its	
		affiliates (including transactions cleared for indirect participants) in	previous 12 months
		extreme but plausible market conditions?	Mn. EURO
	4403	i. maximum of daily values	309,4
	4404	l ,	133,1
	4405	•	0
	4406	· · ·	n/a
	4407	amount of exess of stress loss over DFW, day 2	n/a

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	4408	, ,	n/a
	4409	, ,	n/a
	4410	, ,	n/a
	4411 4412		n/a n/a
	4413		n/a
	4414		n/a
	4415		n/a
		d) what was the actual largest aggregate credit exposure (in excess of initial	
		margin) to any single participants and their affiliates	[4]
	4416	i. maximum of daily values	n/a
	4417	ii. average over daily values	n/a
		e) the estimated largest aggregate stress loss (in excess of initial margin)	
		that would be caused by the default of any two participant and its	
		affiliates (including transactions cleared for indirect participants) in	previous 12 months
		extreme but plausible market conditions?	Mn. EURO
	4418	1	370,6
	4419	,	183,6
	4420	· · · · · · · · · · · · · · · · · · ·	1
	4421	, ,	-1,2
	4422 4423		0,0 n/a
	4423		n/a
	4425		n/a
	4426		n/a
	4427		n/a
	4428		n/a
	4429	amount of exess of stress loss over DFW, day 9	n/a
	4430	, ,	n/a
		f) what was the actual largest aggregate credit exposure (in excess of initial	
		margin) to any two participants and their affiliates	[4]
	4431	,	n/a
	4432	ii. average over daily values Collateral (Principle 5)	n/a
5. 5.1		Assets eligible as initial margin, and the respective haircuts applied	<u> </u>
5.1	3101	http://www.ecc.de/ecc-en/risk-management/collateral-management	l /overview
5.2	5201	Assets eligible for pre-funded participant contributions to the default	
		resources, and the respective haircuts applied	
		http://www.ecc.de/ecc-en/risk-management/collateral-management	/overview
5.3		Collateral Backtesting	previous 12 months
	5301	i. confidence interval targeted for haircuts	99
	5302	9, 1	3 days
	5303	<u>'</u>	255 days
	5304		0
6.	6000	haircuts Margin (Principle 6)	
	Margin	Margin (Principle 6)	
mician	Viargin		As at quarter end
6.1		Initial Margin Requirement by type of segregation	Mn. EURO
	6101		<2% overall
	6102	b) non-segregated	1.743,2
	6103	, , , , , , , , , , , , , , , , , , , ,	< 2% overall
	6104	Initial Margin Requirement for indirect participants: gross or net?	net
			As at most
6.3		Initial margin received by type of accuraction	As at quarter end
6.2		Initial margin received by type of segregation a) House	Mn. EURO [6]
		Cash	[ق]
	6201		< 2% overall
		1	1

6203	Cash deposited at other central banks	[2]
6204	Secured cash at commercial banks (including reverse repo)	[2]
6205	Unsecured cash deposited at commercial banks	[2]
0203	Bonds (market value - w/o haircuts)	[2]
6206	Sovereign Government Bonds - domestic	0,0
6207	Sovereign Government Bonds - foreign	0,0
		0,0
6208	Agency	
6209	Supranational Agency	0,0
6210	State / Provincial / Municipal - domestic	0,0
6211	State / Provincial / Municipal - foreign	0,0
6212	other Bonds	0,0
	Bonds (collateral value - post haircuts)	
6213	Sovereign Government Bonds - domestic	0,0
6214	Sovereign Government Bonds - foreign	0,0
6215	Agency	0,0
6216	Supranational Agency	0,0
6217	State / Provincial / Municipal - domestic	0,0
6218	State / Provincial / Municipal - foreign	0,0
6219	other Bonds	0,0
	b) non-segregated	
	Cash	
6220	total Cash	1.665,0
6221	deposited at a central bank of issue of the currency	[2]
6222	Cash deposited at other central banks	[2]
6223	Secured cash at commercial banks (including reverse repo)	[2]
6224	Unsecured cash deposited at commercial banks	[2]
0224	Bonds (market value - w/o haircuts)	[2]
6225	Sovereign Government Bonds - domestic	65,3
6226	Sovereign Government Bonds - domestic	0,0
		47,8
6227	Agency	
6228	Supranational Agency	0,0
6229	State / Provincial / Municipal - domestic	32,0
6230	State / Provincial / Municipal -foreign	0,0
6231	other Bonds	1,0
	Bonds (collateral value - post haircuts)	0,0
6232	Sovereign Government Bonds - domestic	61,0
6233	Sovereign Government Bonds - foreign	0,0
6234	Agency	45,1
6235	Supranational Agency	0,0
6236	State / Provincial / Municipal - domestic	30,1
6237	State / Provincial / Municipal - foreign	0,0
6238	other Bonds	0,8
	c) segregated clients [5]	,
	Cash	[6]
6239	total Cash	< 2% overall
6240	deposited at a central bank of issue of the currency	[2]
6241	Cash deposited at other central banks	[2]
6242	Secured cash at commercial banks (including reverse repo)	[2]
6243	Unsecured cash deposited at commercial banks	[2]
0243	Bonds (market value - w/o haircuts)	رحا
6244	Sovereign Government Bonds - domestic	0,0
6244		
6245	Sovereign Government Bonds - foreign	0,0
6246	Agency	0,0
6247	Supranational Agency	0,0
6248	State / Provincial / Municipal - domestic	0,0
6249	State / Provincial / Municipal - foreign	0,0
6250		0,0
l	Bonds (collateral value - post haircuts)	0,0
2017		

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	6251 6252 6253 6254 6255 6256	Sovereign Government Bonds - foreign Agency Supranational Agency State / Provincial / Municipal - domestic State / Provincial / Municipal - foreign	0,0 0,0 0,0 0,0 0,0 0,0
6.3	6301	Initial margin rates on individual contracts, where the CCP sets such rates	[7]
6.4	6401 6402	Look Back Period	99% 1 Year (250 Trading Days) Exponential Weighting
	6403 6404		with Lambda = 0.99 2 days
	6405 6406	Rates and Credits http://www.ecc.de/ecc-en/risk-man	agement/reports_and_files Daily
6.5		Results of back-testing of initial margin Reported are the aggregate results counting outliers of IM calculation at the level of each Non-Clearing Member at ECC.	prev. 12 months, daily basi
	6501 6502 6503	b) Number of observations where IM fell below mark-to-market	22 45 99,9%
	6504 6505	e) If once a day, specify at what time of day. f)	continuously n/a Mn. EURO
	6506 6507	, · · · · · · · · · · · · · · · · · · ·	14,8 0,8
Margin	Calls		Average over quarter
6.6	6601	Average total variation margin paid to the CCP by participants each business day.	Mn. EURO 23,3 Maximum over quarter
6.7	6701	Maximum total variation margin paid to the CCP on any given business day over the period.	Mn. EURO 55,2 Maximum over quarter
6.8	6801	Maximum aggregate initial margin call on any given business day over the period.	Mn. EURO 170,2
7.		Liquidity Risk (Principle 7)	
7.1	7101	'Cover 1' or 'Cover 2'. Size and composition of qualifying liquid resources for each clearing service, for each relevant currency	Cover2 Mn. EURO
	7102 7109 7116	a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP	As at quarter end 2.051,2 0,0 0,0
	7103 7110 7117	ii. GBP	As at quarter end 0,0 0,0 0,0
	7104 7111		As at quarter end 0,0 0,0

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	7118	iii. USD		0,0
		d) Unsecured cash deposited at commercial banks		
	7105	i. EUR		8,5
	7112	ii. GBP		0,6
	7119	iii. USD		0,0
		e) secured committed lines of credit including committed foreign exchange	As at quarter end	
		swaps and committed repos	-	
	7106	i. EUR		0,0
	7113	ii. GBP		0,0
	7120	iii. USD		0,0
		f) unsecured committed lines of credit which the CCP may draw without	As at quarter end	
		providing collateral/security	·	
	7107	i. EUR		0,0
	7114	ii. GBP		0,0
	7121	iii. USD		0,0
		g) highly marketable collateral held in custody and investments that are	As at quarter end	•
		readily available and convertible into cash with prearranged and highly	·	
		reliable funding arrangements even in extreme but plausible market		
		conditions		[9]
	7108	i. EUR		55,3
	7115			0,0
	7122			0,0
		h) other		,
		i. EUR		0,0
		ii. GBP		0,0
		iii. USD		0,0
		i) State whether the CCP has routine access to central bank liquidity or	As at quarter end	-,-
		facilities.	1	
	7123		yes - intrada	v facility
	7124		,	no
	7125			no
7.2		Supplementary Liquidity over those from 7.1		n/a
7.3		Largest same-day payment obligation in total that would be caused by the		, -
_		default of any single participant and its affiliates in extreme but plausible	previous quarter	
		market conditions?	Mn. EURO	
	7301			476,7
	7302			Ô
		iii. amount of excess on each day:		
	7303			n/a
	7304			n/a
	7305			n/a
	7306			n/a
	7307	amount of exess of payment over liq., day 5		n/a
	7308			n/a
	7309			n/a
	7310			n/a
	7311	amount of exess of payment over liq., day 9		n/a
	7312			n/a
		actual largest payment obligation to a single participant over the		·
	7313	_		n/a
12.		Exchange of Value Settlement Systems (Principle 12)		<u> </u>
12.1		Percentage of settlements by value effected using a DvP, DvD or PvP		
	12101	settlement		n/a
12.2		Percentage of settlements by volume effected using a DvP, DvD or PvP		
	12201	settlement mechanism		n/a
			1	



12	Default Rules and Procedures (Principle 13)	
13 13.1	Quantitative information related to past defaults	<u> </u>
13.1	13101 a) amount of loss vs. amount of margin	n/a
	13102 b) amount of other financial resources used to cover losses	n/a
	13103 c) proportion of client positions closed-out/ported	n/a
	15165 c, proportion of cheft positions closed out, ported	11,4
14.	Segregation and Portability (Principle 14)	I
14.1	Total client positions (Open Interest) as a share of notional values, by type	
	of segregation a) basis: OI short side	[6]
	l '	, F0/
	l	< 5% < 5%
	14102 ii. ISA 14103 iii. LSOC/GOS	> 95%
	14104 iv. SOS	< 5%
	b) basis: OI long side	\ 3/6
	14105 i. HOUSE	< 5%
	14106 ii. ISA	< 5%
	14107 iii. LSOC/GOS	> 95%
	14108 iv. SOS	< 5%
15.	General Business Risk (Prinicple 15)	
		Mn. EURO
15.1	15101 a) value of liquid net assets funded by equity (EMIR capital)	74,9
	15102 b) six months of current operating expenses	18,2
15.2	Financial disclosures	[10]
	15201 a) total revenue	84.555.531 €
	15202 b) total expenditure	36.319.038 €
	15203 c) profits	48.236.493 €
	15204 d) total assets	3.079.227.574 €
	15205 e) total liabilities	3.079.227.574 €
	15206 f) Explain if collateral posted by clearing participants is held on or off th	All Cash pledged by
	CCP's balance sheet	participants is neig on the
15.3	Income breakdowns	balance sheet
13.3	15301 a) percentage of income from clearing fees	100%
	15302 b) percentage of income from reinvestment of assests provided by clear	
	participants	
16.	Custody and Investment Risks (Principle 16)	!
		As at quarter end
16.1	Total Cash passing disputs a CCD forms passing out	Mn. EURO
16.1	16101 Total Cash received by the CCP from participants 16102 Total Cash received by the CCP from participants: Default Fund contribute	1.980,9 tions 284,0
	16103 Total Cash received by the CCP from participants: Initial Margins	1.696,9
16.2	Investment of Cash: Deposits	1.090,9
10.2	16201 a) deposits at central banks of issue of the currency	100%
	16202 b) deposits at other central banks	0%
	16203 c) secured deposits at commercial banks	0%
	16204 d) unsecured deposits at commercial banks	0%
	16205 e) money market funds	0%
	16206 f) other	0%
	16207 g) Cash - EUR	100%
	16208 h) Cash - GBP	0%
	16209 i) Cash - USD	0%
	j) weighted average maturity of deposits and funds (days)	< 1
	Investment of Cash: Securities	
	a) domestic sovereign government bonds	0%
	b) foreign sovereign government bonds	0%
	16213 c) agency bonds	0%
	16214 d) state/ provincial / municipal bonds	0%

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Comments and Explanations

- According to the Clearing Conditions, ECC may request the non-defaulting Clearing Members to replenish their default fund contributions within 10 days after a Clearing Member has been set into default and the default fund has been fully or partially utilized. The amount reported here as replenishment assumes the default of the largest Clearing Member. It is calculated as the total Default Fund Contributions of all Clearing Members less the conribution of the largest Clearingmember.
- ECC maintains cash collateral provided in EURO for initial margin requirements and the default fund contributions at first at its TARGET2 account. ECC does not separate its holdings of cash and cash investments between default fund contributions and margin contributions.
 - According to ECC's collateral policy, ECC does not accept "other types" of collteral for the default fund.
- [3] See also https://www.ecc.de/ecc-en/risk-management/collateral-management
- ECC does not invest funds with the top five Clearingmembers (according to initial margin requirement) or its affiliates. Therefore, the credit exposures with clients and participants are determined by the clearing service, but not influenced by other creditor relationsships to the Clearing Members.
- [5] Under the term "Segreated Clients", ISA, OSA and SOS segregated accounts are comprised.
- [6] Values are provided in ranges for data protection reasons.
 - All margin calculations are based on a general modelling approach either for derivatives or for spot products. The statistical models and all relevant changes to them are part of a regulatory oversight process. They are based on conservative assumptions which are validated once
- [7] a year by external parties. Information concerning the margining approach can be found under: https://www.ecc.de/ecc-en/risk-management/margining
- [8] Days without uncovered exposure are not included in the calculation of the average value.
- Based on ECCs obligation to maintain liquidity for the default of the largest two Clearing Members, reported here are highly secure and liquid securities provided by all Clearing Members as contribution to the Clearing Funds as well as securities provided by the top two Clearing Members as collateral for their initial margin requirement.
- Values taken from the latest audited annual financial statement. See also
- [10] https://www.ecc.de/ecc-en/about-ecc/company/reports
- ECC sets individual limits for every single investment counterparty with regard to types of investment as well as overall limits for the individual counterparty and the counterparties company group. These limits are based on an internal risk assessment using different

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