

ECC CPMI-IOSCO Disclosure II/2018

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Contact

European Commodity Clearing AG

Risk Controlling & Compliance

Phone: +49 341 24680-530 E-mail: riskcontrolling@ecc.de



	Index	disclosure item	date, type, value
4.		Credit Risk (Principle 4)	date, type, value
		Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing	As at quarter end Mn. EURO
4.1		service	(Bonds at collateral value)
	4101	a) pre-funded own capital that forms part of the default waterfall (used before	310,0
	4103	· · · · · · · · · · · · · · · · · · ·	11,5
	4102	iii. other	298,5
		b) committed	n/a
	4105	default	11,5
	4106	default	224,3
	4107	deal with a subsequent participant default. [1] iv. other	224,3 n/a
4.2	4201	KCCP	65.770,2
		Value of pre-funded default resources (excluding initial and retained	As at quarter end
4.3	4201	variation margin)	Mn. EURO
	4301	a) total Cash i. deposited at a central bank of issue of the currency	238,0 [2]
	4302		[2]
	4304	l	[2]
	4305		[2]
	4306	i. Agency	0,0
	4307	ii. Sovereign Government Bonds - domestic	10,8
	4308		13,3
	4309	· ' '	26,1
	4310	, , , , , ,	0,0
	4311	, , , , , , , , , , , , , , , , , , , ,	13,9
	4312	c) Bonds at collateral value (post haircut)	0,0
	4313		10,5
	4315		12,3
	4316		25,3
	4317		0,0
	4318	vi. Supranational Agency	12,3
	4319		0,0
		d) other	[3]
4.4	4404	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
	4401	b) assumed close out period (days)	Cover 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	2
		affiliates (including transactions cleared for indirect participants) in	previous 12 months
		extreme but plausible market conditions?	Mn. EURO
	4403	1	227,3
	4404	l	105,0
	4405		0
	4406	, ,	n/a
	4407	amount of exess of stress loss over DFW, day 2	n/a

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	4408 4408	amount of exess of stress loss over DFW, day 3	n/a n/a
	4409	' '	n/a
	4410 4411		n/a n/a
	4411		n/a
	4413		n/a
	4414		n/a
	4415	l	n/a
	4413	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		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	l	327,5
	4419	l	157,5
	4420	l	3
	4421	iv. amount of exess of stress loss over DFW, day 1	-92,0
	4422		-1,9
	4423		-19,6
	4424	amount of exess of stress loss over DFW, day 4	n/a
	4425	amount of exess of stress loss over DFW, day 5	n/a
	4426	amount of exess of stress loss over DFW, day 6	n/a
	4427	amount of exess of stress loss over DFW, day 7	n/a
	4428	amount of exess of stress loss over DFW, day 8	n/a
	4429	l	n/a
	4430	amount of exess of stress loss over DFW, day 10 f) what was the actual largest aggregate credit exposure (in excess of initial	n/a
		margin) to any two participants and their affiliates	[4]
	4431		n/a
	4432	l	n/a
5.	5000	Collateral (Principle 5)	· · ·
5.1		Assets eligible as initial margin, and the respective haircuts applied	
5.2	5201	http://www.ecc.de/ecc-en/risk-management/collateral-management Assets eligible for pre-funded participant contributions to the default	:/overview
		resources, and the respective haircuts applied	
		http://www.ecc.de/ecc-en/risk-management/collateral-management	ı t/overview
5.3		Collateral Backtesting	previous 12 months
	5301	l	99
	5302	l	3 days
	5303	iii. look-back period	255 days
	5304	1	0
		haircuts	
6.	6000	Margin (Principle 6)	
Initial N	Лargin		
			As at quarter end
6.1		Initial Margin Requirement by type of segregation	Mn. EURO
	6101	a) House	<2% overall
	6102	, , ,	2.524,0
	6103	, 0 0	> 2%/ < 5% overall
	6104	Initial Margin Requirement for indirect participants: gross or net?	net
			As at quarter end
6.2		Initial margin received by type of segregation	Mn. EURO
0.2		a) House	[6]
		Cash	ا
			1



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6201	total Cash	< 2% overall
6202	deposited at a central bank of issue of the currency	[2]
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]
	Bonds (market value - w/o haircuts)	
6206	Sovereign Government Bonds - domestic Sovereign Government Bonds - foreign	0,0
6207 6208	Agency	0,0
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		0,0
	b) non-segregated	
	Cash	25424
6220	total Cash	2.542,1
6221	deposited at a central bank of issue of the currency Cash deposited at other central banks	[2]
6222 6223	Secured cash at commercial banks (including reverse repo)	[2]
6224	Unsecured cash deposited at commercial banks	[2]
0221	Bonds (market value - w/o haircuts)	[-]
6225	Sovereign Government Bonds - domestic	11,9
6226	Sovereign Government Bonds - foreign	0,7
6227	Agency	101,3
6228	Supranational Agency	0,0
6229	State / Provincial / Municipal - domestic	70,4
6230	State / Provincial / Municipal -foreign	0,0
6231	other Bonds	46,2
	Bonds (collateral value - post haircuts)	0,0
6232	Sovereign Government Bonds - domestic	11,2
6233	Sovereign Government Bonds - foreign	0,7
6234	Agency	96,2
6235	Supranational Agency	0,0
6236	State / Provincial / Municipal - domestic	68,1
6237	State / Provincial / Municipal - foreign	0,0
6238	other Bonds c) segregated clients [5]	41,2
	Cash	[6]
6239	total Cash	> 2%/ < 5% 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]
	Bonds (market value - w/o haircuts)	
6244	Sovereign Government Bonds - domestic	0,0
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	other Bonds	0,0

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	6251 6252 6253	Sovereign Government Bonds - foreign	0,0 0,0 0,0 0,0
	6254 6255 6256 6257	Supranational Agency State / Provincial / Municipal - domestic State / Provincial / Municipal - foreign	0,0 0,0 0,0 0,0 0,0
6.3		Initial margin rates on individual contracts, where the CCP sets such rates	[7]
6.4	6401		99%
	6402 6403		1 Year (250 Trading Days) Exponential Weighting with Lambda = 0.99
	6404 6405		2 days
6.5	6406	l	Daily prev. 12 months, daily basis
0.5		Reported are the aggregate results counting outliers of IM calculation at the level of each Non-Clearing Member at ECC.	
	6501 6502 6503	b) Number of observations where IM fell below mark-to-market	18 25 99,96%
	6504 6505		continuously n/a Mn. EURO
Margin	6506 6507		16,5 0,9
iviargin	Cuiis		Average over quarter
6.6	6601	Average total variation margin paid to the CCP by participants each business day.	Mn. EURO 50,3
6.7	6701	Maximum total variation margin paid to the CCP on any given business day over the period.	Maximum over quarter Mn. EURO 206,7 Maximum over quarter
6.8	6801	Maximum aggregate initial margin call on any given business day over the period.	Mn. EURO
7.	74.04	Liquidity Risk (Principle 7)	Cover2
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	a) Cash deposited at a central bank of issue of the currency concerned i. EUR	As at quarter end 3.055,2
	7109		0,0
	7116	iii. USD b) Cash deposited at other central banks	0,0 As at quarter end
	7103		0,0
	7110		0,0
	7117		0,0
	7104	c) Secured cash deposited at commercial banks (including reverse repo) i. EUR	As at quarter end 0,0
	7104		0,0

European Commodity Clearing AG CPMI-IOSCO Disclosure for Central Counterparties I/2018 d) Unsecured cash deposited at commercial banks EUR 9,2 7105 ii. GBP 0,4 7112 iii. USD 0,0 7119 e) secured committed lines of credit including committed foreign exchange As at quarter end swaps and committed repos 7106 i. EUR 0,0 ii. GBP 0,0 7113 7120 iii. USD 0,0 f) unsecured committed lines of credit which the CCP may draw without As at quarter end providing collateral/security 0,0 i. EUR 7107 ii. GBP 0,0 7114 7121 iii. USD 0,0 $\mathsf{g})$ 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] i. EUR 64,2 7108 ii. GBP 0,0 7115 iii. USD 7122 0,0 h) other EUR 0,0 ii. GBP 0,0 iii. USD 0,0 State whether the CCP has routine access to central bank liquidity or As at quarter end facilities. EUR yes - intraday facility 7123 7124 ii. GBP iii. USD no 7125 7.2 7201 Supplementary Liquidity over those from 7.1 n/a Largest same-day payment obligation in total that would be caused by the 7.3 default of any single participant and its affiliates in extreme but plausible previous quarter market conditions? Mn. EURO 787.6 7301 maximum estimated amount 7302 ii. number of days where estimated payment exceeded liquidity n iii. amount of excess on each day: amount of exess of payment over liq., day 1 n/a 7303 amount of exess of payment over liq., day 2 7304 n/a 7305 amount of exess of payment over liq., day 3 n/a amount of exess of payment over liq., day 4 n/a 7306 7307 amount of exess of payment over liq., day 5 n/a amount of exess of payment over lig., day 6 7308 n/a

	7313 iv. past 12 months	n/a
12.	Exchange of Value Settlement Systems (Principle 12)	
12.1	Percentage of settlements by value effected using a DvP, DvD or PvP	n/a
12.2	Percentage of settlements by volume effected using a DvP, DvD or PvP	II/ a
	settlement mechanism	n/a
	'	

actual largest payment obligation to a single participant over the

amount of exess of payment over liq., day 7

amount of exess of payment over liq., day 8

amount of exess of payment over liq., day 9

amount of exess of payment over liq., day 10

7309

7310

7311

7312

n/a

n/a

n/a

n/a



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 14.1	13		Default Rules and Procedures (Principle 13)	•
13102 b) amount of other financial resources used to cover losses n/a	13.1		Quantitative information related to past defaults	
13103 C) proportion of client positions closed-out/ported n//a		13101	a) amount of loss vs. amount of margin	n/a
14.1 Segregation and Portability (Principle 14) Total client positions (Open Interest) as a share of notional values, by type of segregation (6) a) basis: O1 short side		13102	,	n/a
14.1		13103	c) proportion of client positions closed-out/ported	n/a
14.1	14.		Segregation and Portability (Principle 14)	
14102 1.				
14101 1. HOUSE			of segregation	[6]
14102 ii. ISA \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			a) basis: OI short side	
14103 111. LSOC/GOS 1578 1578 1578 1578 1578 1578 1578 1578 1578 1578 1578 1578 1578 1578 1578 1578 1578 1579 1570 1578 1578 1579		14101	i. HOUSE	< 5%
14104 N. SOS 15%		14102	ii. ISA	< 5%
b) basis: Ol long side i. HOUSE ii. ISA 55% 14106 iii. ISA 55% 14107 iii. ISOC/GOS 84% 14108 iv. SOOS 15500 Temeral Business Risk (Prinicple 15) Total Cash received by the CCP from participants investment of Cash: Deposits 15.01 15.11 15.11 15.11 15.11 15.12 15.12 15.12 15.12 15.12 15.13 15.13 15.14 15.15 15.15 15.15 15.15 15.15 15.16 15.16 15.17 15.17 15.17 15.17 15.18 15.18 15.18 15.19 15.19 15.19 15.19 15.19 15.10 15		14103	iii. LSOC/GOS	85%
14105 i. HOUSE		14104		15%
14106				
14107 14108 iii. LSOC/GOS 84% 1578		14105		= :
14108 iv. SOS 15% 15% 1500 3 value of liquid net assets funded by equity (EMIR capital) 1510 151				
15.1 15101 a) value of liquid net assets funded by equity (EMIR capital) 88,9 15102 b) six months of current operating expenses 18,2 15102 15203 a) total evenue 83,3 15202 15203 b) total expenditure 42,0 15203 c) profits 41,2 15204 d) total assets 2.751,3 15206 f) Explain if collateral posted by clearing participants is held on or off the CCP's balance sheet Income breakdowns a) percentage of income from clearing fees 100% 15302 b) percentage of income from reinvestment of assests provided by clearing participants As at quarter end Mn. EURO 16102 Total Cash received by the CCP from participants: Default Fund contributions 16102 Total Cash received by the CCP from participants: Default Fund contributions 16102 16103				
15.1 15301 a) value of liquid net assets funded by equity (EMIR capital) 15302 b) six months of current operating expenses 18,2 Financial disclosures 18,2 15302 a) total revenue 83,3 15302 b) total expenditure 42,0 42,0 15203 c) profits 41,2 2.751,3 15205 c) total liabilities 2.751,3 2.751,3 All Cash pledged by CCP's balance sheet Income breakdowns 15301 a) percentage of income from clearing fees 100% 15302 b) percentage of income from reinvestment of assests provided by clearing participants is held on the balance sheet Income breakdowns 15302 b) percentage of income from reinvestment of assests provided by clearing participants 100% 16302 16303 16303 16303 16303 16303 16304 16303 16304 16304 16305	15	14108	L	15%
15.1	15.		General Business Risk (Prinicple 15)	Mn FURO
15.22 Financial disclosures [10] 15201 a) total revenue 38.3 2 15202 b) total expenditure 42,0 15203 c) profits 41,1 15204 d) total assets 2.751,3 15205 e) total liabilities 2.751,3 15206 f) Explain if collateral posted by clearing participants is held on or off the CCP's balance sheet Income breakdowns 15301 a) percentage of income from clearing fees b) percentage of income from reinvestment of assests provided by clearing participants is held on the balance sheet Income breakdowns 15301 a) percentage of income from reinvestment of assests provided by clearing participants 2.967,6 16102 Total Cash received by the CCP from participants: Default Fund contributions 2.38,0 16103 Total Cash received by the CCP from participants: Default Fund contributions 2.729,6 Investment of Cash: Deposits and of the Cash of the	15 1	15101	a) value of liquid net assets funded by equity (FMIR capital)	
Financial disclosures [10]	10.1			•
15201 a) total revenue 83,2 15202 b) total expenditure 42,0 15203 c) profits 42,0 15203 c) profits 41,2 15204 d) total assets 2.751,3 15205 e) total liabilities 2.751,3 15206 f) Explain if collateral posted by clearing participants is held on or off the CCP's balance sheet Income breakdowns 15302 b) percentage of income from clearing fees b) percentage of income from reinvestment of assests provided by clearing participants 100% participants 100% 15302 b) percentage of income from reinvestment of assests provided by clearing participants 2.967,6 16102 Total Cash received by the CCP from participants: Initial Margins 100% 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% 16205 e) money market funds 0% 16206 f) other 0% 16207 g) Cash - EUR 100% 16200 i) weighted average maturity of deposits and funds (days) 16210 i) weighted average maturity of deposits and funds (days) 16211 i) weighted average movernment bonds 0% 16212 b) foreign sovereign government bonds 0% 16213 c) agency bonds 0% 16213 c) agency bonds 0% 0% 16213 c) agency bonds	15.2	13101		
15202 15203 c) total expenditure 42,0 15203 c) profits 41,2 15204 d) total assets 2.751,3 15205 e) total liabilities 2.751,3 15206 f) Explain if collateral posted by clearing participants is held on or off the CCP's balance sheet Income breakdowns 15302 b) percentage of income from clearing fees 100% 15302 b) percentage of income from reinvestment of assests provided by clearing participants 0% 15302 b) percentage of income from reinvestment of assests provided by clearing participants 0% 0% 15302 b) percentage of income from reinvestment of assests provided by clearing participants 0% 0% 0% 0% 0% 0% 0% 0		15201		
15204 d) total assets 15205 e) total liabilities 15206 f) Explain if collateral posted by clearing participants is held on or off the CCP's balance sheet Income breakdowns 15301 a) percentage of income from clearing fees 15302 b) percentage of income from reinvestment of assests provided by clearing participants is held on the balance sheet Income breakdowns 15302 b) percentage of income from reinvestment of assests provided by clearing participants 16.		15202	b) total expenditure	42,0
15205 e) total liabilities 2.751,3 All Cash pledged by Explain if collateral posted by clearing participants is held on or off the CCP's balance sheet Income breakdowns 15301 a) percentage of income from clearing fees 100% participants 0% participants 0% participants 0% participants 15301 a) percentage of income from reinvestment of assests provided by clearing 0% participants 0% participants 0% 16301 Total Cash received by the CCP from participants: Default Fund contributions 16102 Total Cash received by the CCP from participants: Initial Margins 2.729,6 Investment of Cash: Deposits 16201 a) deposits at central banks of issue of the currency 100% 16203 c) secured deposits at commercial banks 0% 16204 d) unsecured deposits at commercial banks 0% 16205 e) money market funds 0% 16207 g) Cash - EUR 0% 16208 h) Cash - GBP 0% 16209 j) weighted average maturity of deposits and funds (days) 100% 100		15203	c) profits	41,2
15206 F) Explain if collateral posted by clearing participants is held on or off the CCP's balance sheet Income breakdowns 15301 a) percentage of income from clearing fees 100% 15302 b) percentage of income from reinvestment of assests provided by clearing 0% participants 16.1 16101 Total Cash received by the CCP from participants As at quarter end Mn. EURO 16102 Total Cash received by the CCP from participants: Initial Margins 2.729,6 Investment of Cash: Deposits 16203 a) deposits at central banks of issue of the currency 100% 16206 b) deposits at other central banks 0% 16206 c) secured deposits at commercial banks 0% 16206 f) other 0% 16207 g) Cash - EUR 100% 16208 h) Cash - GBP 0% 16209 j) weighted average maturity of deposits and funds (days) 16211 a) domestic sovereign government bonds 0% 16212 b) foreign sovereign government bonds 0% 16213 c) agency bonds 0% 0% 0% 16213 c) agency bonds 0% 0% 16213 c) agency bonds 0% 0% 0% 0% 0% 0% 0% 0		15204	d) total assets	2.751,3
Explain if collateral posted by clearing participants is held on or off the CCP's balance sheet Income breakdowns 15301 a) percentage of income from clearing fees 15302 b) percentage of income from reinvestment of assests provided by clearing participants 16.		15205	e) total liabilities	2.751,3
CCP's balance sheet Income breakdowns a) percentage of income from clearing fees 100% participants 15301 b) percentage of income from reinvestment of assests provided by clearing participants 16.		15206	l '	All Cash pledged by
Income breakdowns 15301 a) percentage of income from clearing fees 15302 b) percentage of income from reinvestment of assests provided by clearing participants 16.				participants is held on the
15301 a) percentage of income from clearing fees b) percentage of income from reinvestment of assests provided by clearing participants 16.				balance sheet
15302 b) percentage of income from reinvestment of assests provided by clearing participants 16.	15.3	45004		100%
Description				
16.1 Custody and Investment Risks (Principle 16) 16.1 Total Cash received by the CCP from participants		13302	, , , , , , , , , , , , , , , , , , , ,	078
As at quarter end Mn. EURO 16.1 Total Cash received by the CCP from participants 2.967,6 16102 Total Cash received by the CCP from participants: Default Fund contributions 238,0 16103 Total Cash received by the CCP from participants: Initial Margins Investment of Cash: Deposits Investment of Cash: 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 j) Cash - USD 0% 16210 j) weighted average maturity of deposits and funds (days) 100% 16211 a) domestic sovereign government bonds 0% 16212 b) foreign sovereign government bonds 0% 16213 c) agency bonds 0%	16.			
16.1 16101 Total Cash received by the CCP from participants 2.967,6 16102 Total Cash received by the CCP from participants: Default Fund contributions 238,0 16103 Total Cash received by the CCP from participants: Initial Margins 100% 16201 Investment of Cash: Deposits 16201 a) deposits at central banks of issue of the currency 100% 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% 16210 j) weighted average maturity of deposits and funds (days) 100% 16211 a) domestic sovereign government bonds 0% 16212 b) foreign sovereign government bonds 0% 16213 c) agency bonds 0%			(· · · · · · · · · · · · · · · · · · ·	As at quarter end
16102 Total Cash received by the CCP from participants: Default Fund contributions 16103 Total Cash received by the CCP from participants: Initial Margins 16201				Mn. EURO
16.2 Total Cash received by the CCP from participants: Initial Margins Investment of Cash: Deposits 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% 16210 j) weighted average maturity of deposits and funds (days) 100% 16211 a) domestic sovereign government bonds 0% 16212 b) foreign sovereign government bonds 0% 16213 c) agency bonds 0%	16.1			
Investment of Cash: Deposits 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 j) weighted average maturity of deposits and funds (days) 10211 Investment of Cash: Securities 16211 a) domestic sovereign government bonds 0% 16212 b) foreign sovereign government bonds 0% 16213 c) agency bonds 0% 0% 16213 c) agency bonds 0% 16216 0% 16217 100% 100% 16218 0% 16				
16201 a) deposits at central banks of issue of the currency 16202 b) deposits at other central banks 16203 c) secured deposits at commercial banks 16204 d) unsecured deposits at commercial banks 16205 e) money market funds 16206 f) other 16207 g) Cash - EUR 16208 h) Cash - GBP 16209 i) Cash - USD 16210 j) weighted average maturity of deposits and funds (days) 16211 a) domestic sovereign government bonds 16212 b) foreign sovereign government bonds 16213 c) agency bonds 100% 100% 100% 100% 100% 100% 100% 100		16103	· · · · · · · · · · · · · · · · · · ·	2.729,6
b) deposits at other central banks c) secured deposits at commercial banks 0% 16204 d) unsecured deposits at commercial banks 0% 16205 e) money market funds 0% 16206 f) other 16207 g) Cash - EUR 16208 h) Cash - GBP 16209 i) Cash - USD 16210 j) weighted average maturity of deposits and funds (days) Investment of Cash: Securities 16211 a) domestic sovereign government bonds 16212 b) foreign sovereign government bonds 0% 16213 c) agency bonds	16.2			4000/
16203 c) secured deposits at commercial banks 16204 d) unsecured deposits at commercial banks 16205 e) money market funds 16206 f) other 16207 g) Cash - EUR 16208 h) Cash - GBP 16209 i) Cash - USD 16210 j) weighted average maturity of deposits and funds (days) 16211 a) domestic sovereign government bonds 16212 b) foreign sovereign government bonds 16213 c) agency bonds 0%				
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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% 16210 j) weighted average maturity of deposits and funds (days) 100 100 100 100 100 100 100 100 100 10				
16206f) other0%16207g) Cash - EUR100%16208h) Cash - GBP0%16209i) Cash - USD0%16210j) weighted average maturity of deposits and funds (days)< 1Investment of Cash: Securitiesa) domestic sovereign government bonds0%16211a) foreign sovereign government bonds0%16212b) foreign sovereign government bonds0%16213c) agency bonds0%				
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16208 h) Cash - GBP 16209 i) Cash - USD 16210 j) weighted average maturity of deposits and funds (days) Investment of Cash: Securities 16211 a) domestic sovereign government bonds 16212 b) foreign sovereign government bonds 16213 c) agency bonds 0%			· ·	
i) Cash - USD j) weighted average maturity of deposits and funds (days) Investment of Cash: Securities a) domestic sovereign government bonds b) foreign sovereign government bonds c) agency bonds 0%				
j) weighted average maturity of deposits and funds (days)			, and the second	
Investment of Cash: Securities 16211 a) domestic sovereign government bonds 16212 b) foreign sovereign government bonds 16213 c) agency bonds O%			,	
16211 a) domestic sovereign government bonds 0% 16212 b) foreign sovereign government bonds 0% 16213 c) agency bonds 0%				, -
16212 b) foreign sovereign government bonds 0% 16213 c) agency bonds 0%		16211		0%
16213 c) agency bonds 0%		16212		0%
16214 d) state/ provincial / municipal bonds 0%		16213	c) agency bonds	0%
		16214	d) state/ provincial / municipal bonds	0%

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	16215	e) other instruments	0%
	16216	, , , , , , , , , , , , , , , , , , , ,	0%
	16217	9, 1	0%
	16218	, , , , , ,	0%
	16219	, ,	0
	16220	Investment of Cash: Investment Risk VaR(99%) of total investment portfolio	n/a
	16220		individual limits, see [11]
	16222		0
16.3	16301	Investment of Cash: Rehypothetication of Cash	none
		ECC does not use the instrument of rehypothetication of cash for	
		investment	
17.	I	Operational Risk (Principle 17)	00.000
17.1 17.2		Operational availability targets for the core systems involved in clearing	99,00%
17.2		Achieved availability of the core systems, previous twelve months Total number of failures affecting the core systems, previous twelve months	99,24% 4
17.3		Total duration of failures affecting the core systems, previous twelve months	
17.4		Recovery time objectives (in hours)	2
17.1.	17 101	necovery time objectives (in nours)	_
18.		Access and Participation Requirements (Principle 18)	
18.1		Number of clearing members by type and origin	as at quarter end
	18101	a) DCM domestic	1
	18102	b) DCM foreign	3
	18103	, ,	1
	18104	,	18
	18105	,	2
	18106	,	13
18.2		Percentage of OI held by Top5 CM: daily average over quarter	9994
	18201	, 9	80%
	18202	,	78%
	18203	Percentage of OI held by Top5 CM: peak EoD over quarter c) basis: long side	82%
	18203	l	81%
18.3	10204	Percentage of IM posted by Top5 CMs	5170
20.0	18301		76%
	18302		75%
18.4	18401	Percentage of Top5 CM contributions to CF	65%
19.		Tiered Participation Arrangements (Principle 19)	
19.1		Measures of concentraion of client clearing	
	19101	·	510
	19102	, g	19
	19103	'	81%
	19104	d) Client OI attributale to Top5 CM	83%

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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.
- 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 a year by external parties. Information concerning the margining approach can be found under:
 - https://www.ecc.de/ecc-en/risk-management/margining
- Days without uncovered exposure are not included in the calculation of the average value. [8]
- 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 external data sources including external rating agencies.

11/2018