

ECC CPMI-IOSCO Disclosure III/2019

Date: 11.03.2020 **Version:** 1.0



	Index	disclosure item	date, type, value
4.	4000	Credit Risk (Principle 4)	As at quarter end
		Total value of default resources (excluding initial and retained variation margin), split	Mn. EURO
4.1		by clearing service if default funds are segregated by clearing service	(Bonds at collateral value)
	4101	a) pre-funded	430.3
		own capital that forms part of the default waterfall (used before member	
	4103	i. contributions)	15.0
	4102	ii. aggregate participant contributions	415.3
		iii. other	0.0
	4104	b) committed	610.2
	4105	i. own/parent funds that are committed to address a participant default	26.6
	4106		
		aggregate participant commitments to address an initial participant default	291.8
	4107	iii. aggregate participant commitments to replenish the default fund to deal with	
		a subsequent participant default. [1]	291.8
		iv. other	0.0
4.2	4201	KCCP	4,227,478.0
		Value of pre-funded default resources (excluding initial and retained variation	As at quarter end
4.3		margin)	Mn. EURO
4.5	4201	a) total Cash	359.2
	4301		[2]
	4303		[2]
	4304		[2]
	4305		[2]
		b) Bonds at market value w/o haircut	1
	4306		0.0
	4307		4.8
	4308	iii. Sovereign Government Bonds - foreign	31.7
	4309	iv. State / Provincial / Municipal - domestic	3.1
	4310	v. State / Provincial / Municipal - foreign	0.0
	4311	vi. Supranational Agency	20.6
	4312		1.1
		c) Bonds at collateral value (post haircut)	
	4313	5 ,	0.0
	4314		4.6
	4315		29.7
	4316	· · · · · · · · · · · · · · · · · · · ·	2.5
	4317		0.0
	4318		18.4
	4319	vii. other Bonds d) other	0.9
			[5]
4.4		a) State whether the CCP is subject to a minimum "Cover 1" or "Cover 2"	As at quarter end
	4401		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 extreme but plausible market	previous 12 months
		conditions?	Mn. EURO
	4403	i. maximum of daily values	844.9
	4404	ii. average over daily values	371.0
	4405	iii. number of days where stress loss exeeded DFW	0
	4406		n/a
	4407	amount of exess of stress loss over DFW, day 2	n/a
	4408	amount of exess of stress loss over DFW, day 3	n/a
	4408	amount of exess of stress loss over DFW, day 3	n/a
	4409	, ,	n/a
	4410	• •	n/a
	4411	, ,	n/a
	4412	, ,	n/a
	4413	• •	n/a
	4414	, ,	n/a
	4415	amount of exess of stress loss over DFW, day 10	n/a

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		d) what was the actual largest aggregate credit exposure (in excess of initial margin)	Mn. EURO	
		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 extreme but plausible market	previous 12 months	
	4440	conditions?	Mn. EURO 1.063	c
	4418 4419	i. maximum of daily values ii. average over daily values	1,063	
	4420	iii. number of days where stress loss exeeded DFW	7/3	0
	4421	iv. amount of exess of stress loss over DFW, day 1		.0
	4422	amount of exess of stress loss over DFW, day 2	C	0.0
	4423	amount of exess of stress loss over DFW, day 3		/a
	4424	amount of exess of stress loss over DFW, day 4		/a
	4425	amount of exess of stress loss over DFW, day 5		/a /-
	4426	amount of exess of stress loss over DFW, day 6 amount of exess of stress loss over DFW, day 7		/a /a
	4427 4428	amount of exess of stress loss over DFW, day 8		/a /a
	4429	amount of exess of stress loss over DFW, day 9		/a
	4430	amount of exess of stress loss over DFW, day 10	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	i. maximum of daily values		/a
5.	4432	ii. average over daily values Collateral (Principle 5)	<u> </u>	/a
5.1		Assets eligible as initial margin, and the respective haircuts applied		_
3.1	3101	http://www.ecc.de/ecc-en/risk-management/collateral-management/overview	1 V	
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	1	
5.3	=004	Collateral Backtesting	previous 12 months	20
	5301 5302	 i. confidence interval targeted for haircuts ii. assumed holding/liquidation period for the assets 	3 da	99
	5302	iii. look-back period	255 da	•
	5304	iv.	255 44	, ,
		IV.		0
		number of days during look-back where fall in value exceeded haircuts		0
6.				0
6. Initial N		number of days during look-back where fall in value exceeded haircuts	As at quarter and	0
Initial N	∕largin	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6)	As at quarter end	0
	⁄largin	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation	Mn. EURO	_
Initial N	∕largin	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation a) House	Mn. EURO	_
Initial N	Aargin 6101	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation a) House	Mn. EURO	.6
Initial N	6101 6102 6103	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation a) House b) non-segregated	Mn. EURO 193 C	.6
Initial N	6101 6102 6103	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation a) House b) non-segregated c) segregated clients [5]	Mn. EURO 193 0 3,069 gro	.6
Initial N	6101 6102 6103	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation a) House b) non-segregated c) segregated clients [5] Initial Margin Requirement for indirect participants: gross or net?	Mn. EURO 193 0 3,069 gro As at quarter end	.6
Initial N	6101 6102 6103	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation a) House b) non-segregated c) segregated clients [5] Initial Margin Requirement for indirect participants: gross or net? Initial margin received by type of segregation	Mn. EURO 193 0 3,069 gro As at quarter end Mn. EURO	
Initial N	6101 6102 6103	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation a) House b) non-segregated c) segregated clients [5] Initial Margin Requirement for indirect participants: gross or net?	Mn. EURO 193 0 3,069 gro As at quarter end Mn. EURO	.6
Initial N	6101 6102 6103	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation a) House b) non-segregated c) segregated clients [5] Initial Margin Requirement for indirect participants: gross or net? Initial margin received by type of segregation a) House	Mn. EURO 193 0 3,069 gro As at quarter end Mn. EURO	6 0 2 sss
Initial N	6101 6102 6103 6104	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation a) House b) non-segregated c) segregated clients [5] Initial Margin Requirement for indirect participants: gross or net? Initial margin received by type of segregation a) House Cash total Cash deposited at a central bank of issue of the currency	Mn. EURO 193 C 3,069 gro As at quarter end Mn. EURO 342	6] 3
Initial N	6101 6102 6103 6104 6201 6202 6203	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation a) House b) non-segregated c) segregated clients [5] Initial Margin Requirement for indirect participants: gross or net? Initial margin received by type of segregation a) House Cash total Cash deposited at a central bank of issue of the currency Cash deposited at other central banks	Mn. EURO 193 C 3,069 gro As at quarter end Mn. EURO 342	6] 3 2]
Initial N	6101 6102 6103 6104 6201 6202 6203 6204	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation a) House b) non-segregated c) segregated clients [5] Initial Margin Requirement for indirect participants: gross or net? Initial margin received by type of segregation a) House Cash total Cash deposited at a central bank of issue of the currency Cash deposited at other central banks Secured cash at commercial banks (including reverse repo)	Mn. EURO 193 C 3,069 gro As at quarter end Mn. EURO 342	6] 3 2] 2]
Initial N	6101 6102 6103 6104 6201 6202 6203	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation a) House b) non-segregated c) segregated clients [5] Initial Margin Requirement for indirect participants: gross or net? Initial margin received by type of segregation a) House Cash total Cash deposited at a central bank of issue of the currency Cash deposited at other central banks Secured cash at commercial banks (including reverse repo) Unsecured cash deposited at commercial banks	Mn. EURO 193 C 3,069 gro As at quarter end Mn. EURO 342	6] 3 2]
Initial N	6101 6102 6103 6104 6201 6202 6203 6204 6205	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation a) House b) non-segregated c) segregated clients [5] Initial Margin Requirement for indirect participants: gross or net? Initial margin received by type of segregation a) House Cash total Cash deposited at a central bank of issue of the currency Cash deposited at other central banks Secured cash at commercial banks (including reverse repo) Unsecured cash deposited at commercial banks Bonds (market value - w/o haircuts)	Mn. EURO 193 0 3,069 gro As at quarter end Mn. EURO [342 [[[[[[[[[[[[[[[[[[[6.6 0.0 0.2 sss 6] 2] 2] 2] 2]
Initial N	6101 6102 6103 6104 6201 6202 6203 6204	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation a) House b) non-segregated c) segregated clients [5] Initial Margin Requirement for indirect participants: gross or net? Initial margin received by type of segregation a) House Cash total Cash deposited at a central bank of issue of the currency Cash deposited at other central banks Secured cash at commercial banks (including reverse repo) Unsecured cash deposited at commercial banks Bonds (market value - w/o haircuts)	Mn. EURO 193 3,069 gro As at quarter end Mn. EURO [] []	6.6 0.0 0.2 ess 6]
Initial N	6101 6102 6103 6104 6201 6202 6203 6204 6205	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation a) House b) non-segregated c) segregated clients [5] Initial Margin Requirement for indirect participants: gross or net? Initial margin received by type of segregation a) House Cash total Cash deposited at a central bank of issue of the currency Cash deposited at other central banks Secured cash at commercial banks (including reverse repo) Unsecured cash deposited at commercial banks Bonds (market value - w/o haircuts) Sovereign Government Bonds - domestic	Mn. EURO 193 3,069 gro As at quarter end Mn. EURO [] 342 [] [] [] [] [] [] [] [] [] [6] .3 2] 2] 2] 2]
Initial N	6101 6102 6103 6104 6201 6202 6203 6204 6205 6206 6207	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation a) House b) non-segregated c) segregated clients [5] Initial Margin Requirement for indirect participants: gross or net? Initial margin received by type of segregation a) House Cash total Cash deposited at a central bank of issue of the currency Cash deposited at other central banks Secured cash at commercial banks (including reverse repo) Unsecured cash deposited at commercial banks Bonds (market value - w/o haircuts) Sovereign Government Bonds - domestic Sovereign Government Bonds - foreign Agency Supranational Agency	Mn. EURO 193 C 3,069 gro As at quarter end Mn. EURO [[[[[[[[[[[[[6] 3 2] 2] 2] 2.5 3
Initial N	6101 6102 6103 6104 6201 6202 6203 6204 6205 6206 6207 6208 6209 6210	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation a) House b) non-segregated c) segregated clients [5] Initial Margin Requirement for indirect participants: gross or net? Initial margin received by type of segregation a) House Cash total Cash deposited at a central bank of issue of the currency Cash deposited at other central banks Secured cash at commercial banks (including reverse repo) Unsecured cash deposited at commercial banks Bonds (market value - w/o haircuts) Sovereign Government Bonds - domestic Sovereign Government Bonds - foreign Agency Supranational Agency State / Provincial / Municipal - domestic	Mn. EURO 193	6] 3 .2] 2] 2] 2] 3.4 5 3
Initial N	6101 6102 6103 6104 6201 6202 6203 6204 6205 6206 6207 6208 6209 6210 6211	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation a) House b) non-segregated c) segregated clients [5] Initial Margin Requirement for indirect participants: gross or net? Initial margin received by type of segregation a) House Cash total Cash deposited at a central bank of issue of the currency Cash deposited at other central banks Secured cash at commercial banks (including reverse repo) Unsecured cash deposited at commercial banks Bonds (market value - w/o haircuts) Sovereign Government Bonds - domestic Sovereign Government Bonds - foreign Agency Supranational Agency State / Provincial / Municipal - domestic State / Provincial / Municipal - foreign	Mn. EURO 193	6] .3 2] 2] 2] 2.5 3.0 3.0
Initial N	6101 6102 6103 6104 6201 6202 6203 6204 6205 6206 6207 6208 6209 6210	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation a) House b) non-segregated c) segregated clients [5] Initial Margin Requirement for indirect participants: gross or net? Initial margin received by type of segregation a) House Cash total Cash deposited at a central bank of issue of the currency Cash deposited at other central banks Secured cash at commercial banks (including reverse repo) Unsecured cash deposited at commercial banks Bonds (market value - w/o haircuts) Sovereign Government Bonds - domestic Sovereign Government Bonds - foreign Agency Supranational Agency State / Provincial / Municipal - domestic State / Provincial / Municipal - foreign other Bonds	Mn. EURO 193	6] 3 .2] 2] 2] 2] 3.4 5 3
Initial N	6101 6102 6103 6104 6201 6202 6203 6204 6205 6206 6207 6208 6209 6210 6211	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation a) House b) non-segregated c) segregated clients [5] Initial Margin Requirement for indirect participants: gross or net? Initial margin received by type of segregation a) House Cash total Cash deposited at a central bank of issue of the currency Cash deposited at other central banks Secured cash at commercial banks (including reverse repo) Unsecured cash deposited at commercial banks Bonds (market value - w/o haircuts) Sovereign Government Bonds - domestic Sovereign Government Bonds - foreign Agency Supranational Agency State / Provincial / Municipal - domestic State / Provincial / Municipal - foreign other Bonds Bonds (collateral value - post haircuts)	Mn. EURO 193 3,069 gro As at quarter end Mn. EURO [[] [] [] [] [] [] [] [] []	6] .3 2] 2] 2] 2.5 3.0 3.0
Initial N	6101 6102 6103 6104 6201 6202 6203 6204 6205 6206 6207 6208 6209 6210 6211 6212	number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation a) House b) non-segregated c) segregated clients [5] Initial Margin Requirement for indirect participants: gross or net? Initial margin received by type of segregation a) House Cash total Cash deposited at a central bank of issue of the currency Cash deposited at other central banks Secured cash at commercial banks (including reverse repo) Unsecured cash deposited at commercial banks Bonds (market value - w/o haircuts) Sovereign Government Bonds - domestic Sovereign Government Bonds - foreign Agency Supranational Agency State / Provincial / Municipal - domestic State / Provincial / Municipal - foreign other Bonds Bonds (collateral value - post haircuts) Sovereign Government Bonds - domestic	Mn. EURO 193 3,069 gro As at quarter end Mn. EURO [[] [] [] [] [] [] [] [] []	6 0.02

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6.3

6.4

6.5



	·	
6215	Agency	16.4
6216	Supranational Agency	0.0
6217	State / Provincial / Municipal - domestic	47.1
6218	State / Provincial / Municipal - foreign	0.0
6219	other Bonds	4.5
	b) non-segregated	
	Cash	
6220	total Cash	0.0
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]
6225	Bonds (market value - w/o haircuts)	0.0
6225	Sovereign Government Bonds - domestic Sovereign Government Bonds - foreign	0.0
6226 6227	Agency	0.0
6228	Supranational Agency	0.0
6229	State / Provincial / Municipal - domestic State / Provincial / Municipal -foreign	0.0
6230 6231	other Bonds	0.0
0231	Bonds (collateral value - post haircuts)	0.0
6232	Sovereign Government Bonds - domestic	0.0
6233	Sovereign Government Bonds - foreign	0.0
6234	Agency	0.0
6235	Supranational Agency	0.0
6236	State / Provincial / Municipal - domestic	0.0
6237	State / Provincial / Municipal - foreign	0.0
6238	other Bonds	0.0
	c) segregated clients [5]	
	Cash	[6]
6239	total Cash	3,213.3
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	5.6
6249	State / Provincial / Municipal - foreign other Bonds	0.0 1.1
6250	Bonds (collateral value - post haircuts)	0.0
6251	Sovereign Government Bonds - domestic	0.0
6252	Sovereign Government Bonds - foreign	0.0
6253	Agency	0.0
6254	Supranational Agency	0.0
6255	State / Provincial / Municipal - domestic	5.4
6256	State / Provincial / Municipal - foreign	0.0
6257	other Bonds	0.9
6301	Initial margin rates on individual contracts, where the CCP sets such rates	[7]
	Type of initial margin model used and key model design parameters	
6401	Single Tail Confidence Level	99%
6402	Look Back Period	1 Year (250 Trading Days)
		Exponential Weighting with
6403	Weighting on historical data	Lambda = 0.99
6404	Close Out Periods	2 days
6405	Rates and Credits	management/renerts and files
6406		-management/reports_and_files
6406	Update Frequency	Daily
	Results of back-testing of initial margin	prev. 12 months, daily basis
		IF. 11. 12 offerio, daily busis

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CFIVII-I	55CO Disclosure for Central Counterparties		
	Reported are the aggregate results counting outliers of IM calculation at the level of		
	each Non-Clearing Member at ECC. 6501 a) Number of days where IM fell below mark-to-market		20
	6502 b) Number of observations where IM fell below mark-to-market		36
	6503 c) Achieved coverage level		99.9%
	6504 d) Specify if measured intraday/continuously or only once a day.	contin	uously
	6505 e) If once a day, specify at what time of day.		n/a
	f) 6506 i. breaches of initial margin: peak uncovered exposure	Mn. EURO	17.3
	6507 ii. breaches of initial margin: peak uncovered exposure [8]		1.5
Margin			
		Average over quarter	
6.6	Average total variation margin paid to the CCP 6601 by participants each business day.	Mn. EURO	80.4
	by participants each business day.	Maximum over quarter	60.4
6.7	Maximum total variation margin paid to the CCP on any given business day	Mn. EURO	
	over the period.		341.7
6.0	Martin and the second state of the second se	Maximum over quarter	
6.8	Maximum aggregate initial margin call on any given business day over the period.	Mn. EURO	274.2
7.	Liquidity Risk (Principle 7)		274.2
7.1	7101 Cover 2'.	(Cover2
	Size and composition of qualifying liquid resources for each clearing service, for each		
	relevant currency	Mn. EURO	
	a) Cash deposited at a central bank of issue of the currency concerned 7102 i. EUR	As at quarter end	,739.1
	7102 i. EUR 7109 ii. GBP		0.0
	7116 iii. USD		0.0
	b) Cash deposited at other central banks	As at quarter end	
	7103 i. EUR		0.0
	7110 ii. GBP 7117 iii. USD		0.0 0.0
	c) Secured cash deposited at commercial banks (including reverse repo)	As at quarter end	0.0
	7104 i. EUR		0.0
	7111 ii. GBP		0.0
	7118 iii. USD		0.0
	d) Unsecured cash deposited at commercial banks 7105 i. EUR		9.7
	7112 ii. GBP		1.8
	7119 iii. USD		0.1
	e) secured committed lines of credit including committed foreign exchange swaps	As at quarter end	
	and committed repos		0.0
	7106 i. EUR 7113 ii. GBP		0.0 0.0
	7120 iii. USD		0.0
	f) unsecured committed lines of credit which the CCP may draw without providing	As at quarter end	
	collateral/security		
	7107 i. EUR 7114 ii. GBP		0.0 0.0
	7114 ii. GBP 7121 iii. USD		0.0
	g)	As at quarter end	
	highly marketable collateral held in custody and investments that are readily		
	available and convertible into cash with prearranged and highly reliable funding		[0]
	arrangements even in extreme but plausible market conditions 7108 i. EUR		[9] 61.3
	7115 ii. GBP		0.0
	7122 iii. USD		0.0
	h) other		
	i. EUR		0.0
	ii. GBP iii. USD		0.0 0.0
	i)	As at quarter end	0.0
	State whether the CCP has routine access to central bank liquidity or facilities.		
	7123 i. EUR	yes - intraday f	facility
	7124 ii. GBP		no
7 2	7125 iii. USD		no n/a
7.2	7201 Supplementary Liquidity over those from 7.1	I	n/a

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7.3		
	Largest same-day payment obligation in total that would be caused by the default of	previous quarter
	any single participant and its affiliates in extreme but plausible market conditions?	Mn. EURO
	7301 i. maximum estimated amount	857.8
	ii. number of days where estimated payment exceeded liquidity	0
	iii. amount of excess on each day:	
	7303 amount of exess of payment over liq., day 1	n/a
	amount of exess of payment over liq., day 2	n/a
	7305 amount of exess of payment over liq., day 3	n/a
	7306 amount of exess of payment over liq., day 4	n/a
	7307 amount of exess of payment over liq., day 5	n/a
	7308 amount of exess of payment over liq., day 6	n/a
	7309 amount of exess of payment over liq., day 7	n/a
	7310 amount of exess of payment over liq., day 8	n/a
	7311 amount of exess of payment over liq., day 9	n/a
	7312 amount of exess of payment over liq., day 10	n/a
	actual largest payment obligation to a single participant over the past 12	_
	7313 iv. months	n/a
12.	Exchange of Value Settlement Systems (Principle 12)	
12.1		,
	12101 Percentage of settlements by value effected using a DvP, DvD or PvP settlement	n/a
12.2	Percentage of settlements by volume effected using a DvP, DvD or PvP settlement	_
	12201 mechanism	n/a
13	Default Rules and Procedures (Principle 13)	ı
13.1	Quantitative information related to past defaults	
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
	13103 Cy proportion of electric positions closed oddy ported	11,4
14.	Segregation and Portability (Principle 14)	1
14.1	Total client positions (Open Interest) as a share of notional values, by type of	
	segregation	[6]
	a) basis: OI short side	
	14101 i. HOUSE	< 5%
	14102 ii. ISA	< 5%
	14103 iii. LSOC/GOS	92%
	14104 iv. SOS	< 5%
	b) basis: OI long side	
	14105 i. HOUSE	< 5%
	14106 ii. ISA	< 5%
	14107 iii. LSOC/GOS	91%
	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)	84.3
	15102 b) six months of current operating expenses	18.2
15.2	Financial disclosures	[10]
	15201 a) total revenue	83,217,913 €
	15202 b) total expenditure	42,002,633 €
	15203 c) profits	41,215,280 €
	15204 d) total assets	2,751,310,200 €
	15205 e) total liabilities	2,751,310,200 €
	15206 f)	All Cash pledged by participants
	Explain if collateral posted by clearing participants is held on or off the CCP's	is held on the balance sheet
	balance sheet	is new on the balance silect
15.3	Income breakdowns	
_5.5	15301 a) percentage of income from clearing fees	100%
	15302 b) percentage of income from reinvestment of assests provided by clearing	0%
	participants	
16.	Custody and Investment Risks (Principle 16)	•
	, , ,	As at quarter end
l	•	•

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	1	
16.1	Takal Cash massived by the CCD from participants	Mn. EURO
16.1	16101 Total Cash received by the CCP from participants 16102 Total Cash received by the CCP from participants: Default Fund contributions	3,914.1 359.2
	16103 Total Cash received by the CCP from participants: Initial Margins	3,554.9
16.2	Investment of Cash: Deposits	3,334.9
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%
	16210 j) weighted average maturity of deposits and funds (days)	<1
	Investment of Cash: Securities	``
	16211 a) domestic sovereign government bonds	0%
	16212 b) foreign sovereign government bonds	0%
	16213 c) agency bonds	0%
	16214 d) state/ provincial / municipal bonds	0%
	16215 e) other instruments	0%
	16216 f) percentage split by currency	0%
	16217 g) percentage split by currency	0%
	16218 h) percentage split by currency	0%
	16219 i) weighted average maturity of these securities	0
	Investment of Cash: Investment Risk	
	16220 VaR(99%) of total investment portfolio	n/a
	16221 Limit for Investment Counterparty	individual limits, see [11]
	16222 Number of limit breaches	0
16.3	16301 Investment of Cash: Rehypothetication of Cash	none
	ECC does not use the instrument of rehypothetication of cash for investment	t
17.	Operational Risk (Principle 17)	
17.1	17101 Operational availability targets for the core systems involved in clearing	99%
17.2	Achieved availability of the core systems, previous twelve months	>99%
17.3	Total number of failures affecting the core systems, previous twelve months	n/a
47.4	Total duration of failures affecting the core systems, previous twelve months	n/a
17.4	17401 Recovery time objectives (in hours)	2
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	2
	18102 b) DCM foreign	3
	18103 c) GCM domestic	4
	18104 d) GCM foreign	22
	18105 e) DCP domestic	5
	18106 f) DCP foreign	32
18.2	Percentage of OI held by Top5 CM: daily average over quarter	
10.2	18201 a) basis: long side	74%
	18202 b) basis: short side	75%
	Percentage of OI held by Top5 CM: peak EoD over quarter	75/0
	18203 c) basis: long side	76%
	18204 d) basis: short side	76%
18.3	Percentage of IM posted by Top5 CMs	70%
10.5	18301 a) peak EoD over quarter	67%
	18302 b) daily average over quarter	66%
18.4	18401 Percentage of Top5 CM contributions to CF	51%
19.	Tiered Participation Arrangements (Principle 19)	31/0
19.1	Measures of concentration of client clearing	
19.1	19101 a) Number of known clients	565
	19102 b) Number of CM clearing for clients	26
	19103 c) Client OI attributale to Top5 CM	73%
	o, o to topo om	75/0
	19104 d) Client OI attributale to Top5 CM	73%
	d) Client OI attributale to Top5 CM	73%
	19104 d) Client OI attributale to Top5 CM	739

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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
- 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.

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