



ECC CPMI-IOSCO Disclosure II/2022



disclosure item 4. 4000 Credit Risk (Principle 4) 4.1 Total value of default resources (excluding initial and retained variation margin), As at quarter end split by clearing service if default funds are segregated by clearing service Mn. EURO (Bonds at collateral value) 4101 a) pre-funded 3,153.7 4103 i. own capital that forms part of the default waterfall (used before member 23.0 contributions) 4102 ii. aggregate participant contributions 3,099.9 4108 (aggregate participant contributions requirement, to be covered on the next (3098.5)iii. other 30.8 4104 b) committed 4,715.7 4105 i. own/parent funds that are committed to address a participant default 23.0 4106 ii. aggregate participant commitments to address an initial participant default 2,346.4 4107 iii. aggregate participant commitments to replenish the default fund to deal with 2,346.4 a subsequent participant default (see [1]) iv. other 0.0 4.2 4201 Hypothetical Capital/K_{CCP} (SA-CCR for derivatives based; Euro) 1,758,601.0 4.3 As at quarter end Value of pre-funded default resources (excluding initial and retained variation margin) Mn. EURO 4301 a) total Cash 2,862.6 4302 i. deposited at a central bank of issue of the currency [2] 4303 ii. Cash deposited at other central banks [2] 4304 iii. Secured cash at commercial banks (including reverse repo) [2] 4305 iv. Unsecured cash deposited at commercial banks [2] b) Bonds at market value w/o haircut 4306 i. Agency 0.0 4307 Sovereign Government Bonds - domestic 1.0 4308 iii. Sovereign Government Bonds - foreign 222.7 4309 iv. State / Provincial / Municipal - domestic 5.3 4310 State / Provincial / Municipal - foreign 0.0 4311 vi. Supranational Agency 20.0 4312 vii. other Bonds 1.6 c) Bonds at collateral value (post haircut) 4313 Agency 0.0 4314 Sovereign Government Bonds - domestic 1.0 4315 iii. Sovereign Government Bonds - foreign 210.5 4316 iv. State / Provincial / Municipal - domestic 5.2 4317 v. State / Provincial / Municipal - foreign 0.0 4318 vi. Supranational Agency 19.6 4319 vii. other Bonds 1.2 d) other [3] 4.4 As at quarter end 4401 a) State whether the CCP is subject to a minimum "Cover 1" or "Cover 2" Cover 2 requirement in relation to total pre-funded default resources 4402 b) assumed close out period (days) 2 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 previous 12 months transactions cleared for indirect participants) in extreme but plausible market conditions? Mn. EURO 4403 i. maximum of daily values 2,011.3 4404 average over daily values 993.7 4405 iii. number of days where stress loss exeeded DFW 0 4406 iv. amount of excess of stress loss over DFW, day 1 n/a 4407 amount of excess of stress loss over DFW, day 2 n/a 4408 amount of excess of stress loss over DFW, day 3 n/a 4408 amount of excess of stress loss over DFW, day 3 n/a



	-	risclosure for central counterparties	
	4409	amount of excess of stress loss over DFW, day 4	n/a
	4410	amount of excess of stress loss over DFW, day 5	n/a
	4411	amount of excess of stress loss over DFW, day 6	n/a
	4412	amount of excess of stress loss over DFW, day 7	n/a
	4413	amount of excess of stress loss over DFW, day 8	n/a
	4414	amount of excess of stress loss over DFW, day 9	n/a
	4415	amount of excess of stress loss over DFW, day 10	n/a
	1113	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	j. maximum of daily values	n/a
	4417	,	,
	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
		conditions?	Mn. EURO
	4418	i. maximum of daily values	2,590.8
	4419	ii. average over daily values	1,329.1
	4420	iii. number of days where stress loss exeeded DFW	0
	4421	iv. amount of excess of stress loss over DFW, day 1	n/a
	4422	amount of excess of stress loss over DFW, day 2	n/a
	4423	amount of excess of stress loss over DFW, day 3	n/a
	4424	amount of excess of stress loss over DFW, day 4	n/a
	4425	amount of excess of stress loss over DFW, day 5	n/a
	4426	amount of excess of stress loss over DFW, day 6	n/a
	4427	amount of excess of stress loss over DFW, day 7	n/a
	4428	amount of excess of stress loss over DFW, day 8	n/a
	4429	amount of excess of stress loss over DFW, day 9	n/a
	4430	amount of excess 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	0.0
	4432	ii. average over daily values	0.0
<u>5.</u>	5000	Collateral (Principle 5)	
5.1	5101	Assets eligible as initial margin, and the respective haircuts applied	_
		http://www.ecc.de/ecc-en/risk-management/collate	
			erai-management/overview
5.2	5201	Assets eligible for pre-funded participant contributions to the default resources, and	erai-management/overview
5.2	5201	the respective haircuts applied	
	5201	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate	eral-management/overview
5.2		the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting	eral-management/overview previous 12 months
	5301	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting i. confidence interval targeted for haircuts	eral-management/overview
	5301 5302	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting i. confidence interval targeted for haircuts ii. assumed holding/liquidation period for the assets	eral-management/overview previous 12 months 99,9 3
	5301 5302 5303	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting i. confidence interval targeted for haircuts ii. assumed holding/liquidation period for the assets iii. look-back period	eral-management/overview previous 12 months 99,9
	5301 5302	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting i. confidence interval targeted for haircuts ii. assumed holding/liquidation period for the assets	eral-management/overview previous 12 months 99,9 3
5.3	5301 5302 5303 5304	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting i. confidence interval targeted for haircuts ii. assumed holding/liquidation period for the assets iii. look-back period iv. number of days during look-back where fall in value exceeded haircuts	eral-management/overview previous 12 months 99,9 3 255
5.3 6.	5301 5302 5303 5304	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting i. confidence interval targeted for haircuts ii. assumed holding/liquidation period for the assets iii. look-back period	eral-management/overview previous 12 months 99,9 3 255
5.3 6. <i>Initial</i>	5301 5302 5303 5304	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting i. confidence interval targeted for haircuts ii. assumed holding/liquidation period for the assets iii. look-back period iv. number of days during look-back where fall in value exceeded haircuts Margin (Principle 6)	eral-management/overview previous 12 months 99,9 3 255 0
5.3 6.	5301 5302 5303 5304	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting i. confidence interval targeted for haircuts ii. assumed holding/liquidation period for the assets iii. look-back period iv. number of days during look-back where fall in value exceeded haircuts	eral-management/overview previous 12 months 99,9 3 255 0
5.3 6. <i>Initial</i>	5301 5302 5303 5304 6000 <i>Margin</i>	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting i. confidence interval targeted for haircuts ii. assumed holding/liquidation period for the assets iii. look-back period iv. number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation	eral-management/overview previous 12 months 99,9 3 255 0
5.3 6. <i>Initial</i>	5301 5302 5303 5304 6000 <i>Margin</i>	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting i. confidence interval targeted for haircuts ii. assumed holding/liquidation period for the assets iii. look-back period iv. number of days during look-back where fall in value exceeded haircuts Margin (Principle 6) Initial Margin Requirement by type of segregation a) House	eral-management/overview previous 12 months 99,9 3 255 0
5.3 6. <i>Initial</i>	5301 5302 5303 5304 6000 <i>Margin</i> 6101 6102	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting i. confidence interval targeted for haircuts ii. assumed holding/liquidation period for the assets iii. look-back period iv. 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	eral-management/overview previous 12 months 99,9 3 255 0 Market Provious 12 months 99,9 4 4 4 0.0
5.3 6. <i>Initial</i>	5301 5302 5303 5304 6000 <i>Margin</i> 6101 6102 6103	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting i. confidence interval targeted for haircuts ii. assumed holding/liquidation period for the assets iii. look-back period iv. 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]	eral-management/overview previous 12 months 99,9 3 255 0
5.3 6. <i>Initial</i>	5301 5302 5303 5304 6000 <i>Margin</i> 6101 6102	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting i. confidence interval targeted for haircuts ii. assumed holding/liquidation period for the assets iii. look-back period iv. 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	eral-management/overview previous 12 months 99,9 3 255 0 Market Provious 12 months 99,9 4 4 4 4 4 4 4 4 4 4 6 0 0 1,234.4 0.0
5.3 6. Initial (6.1)	5301 5302 5303 5304 6000 <i>Margin</i> 6101 6102 6103	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting i. confidence interval targeted for haircuts ii. assumed holding/liquidation period for the assets iii. look-back period iv. 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?	As at quarter end Mn. EURO 1,234.4 0.0 44,760.0 Gross
5.3 6. <i>Initial</i>	5301 5302 5303 5304 6000 <i>Margin</i> 6101 6102 6103	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting i. confidence interval targeted for haircuts ii. assumed holding/liquidation period for the assets iii. look-back period iv. 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]	As at quarter end Mn. EURO 1,234.4 0.0 44,760.0 Gross As at quarter end
5.3 6. Initial (6.1)	5301 5302 5303 5304 6000 <i>Margin</i> 6101 6102 6103	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting i. confidence interval targeted for haircuts ii. assumed holding/liquidation period for the assets iii. look-back period iv. 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	As at quarter end Mn. EURO 44,760.0 Gross As at quarter end Mn. EURO
5.3 6. Initial (6.1)	5301 5302 5303 5304 6000 <i>Margin</i> 6101 6102 6103	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting i. confidence interval targeted for haircuts ii. assumed holding/liquidation period for the assets iii. look-back period iv. 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	As at quarter end Mn. EURO 1,234.4 0.0 44,760.0 Gross As at quarter end
5.3 6. Initial (6.1)	5301 5302 5303 5304 6000 <i>Margin</i> 6101 6102 6103 6104	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting i. confidence interval targeted for haircuts ii. assumed holding/liquidation period for the assets iii. look-back period iv. 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	As at quarter end Mn. EURO 1,234.4 0.0 44,760.0 Gross As at quarter end Mn. EURO 1,214.4 0.0 44,760.0 Gross
5.3 6. Initial (6.1)	5301 5302 5303 5304 6000 <i>Margin</i> 6101 6102 6103 6104	the respective haircuts applied	As at quarter end Mn. EURO 1,234.4 0.0 44,760.0 Gross As at quarter end Mn. EURO
5.3 6. Initial (6.1)	5301 5302 5303 5304 6000 <i>Margin</i> 6101 6102 6103 6104	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting i. confidence interval targeted for haircuts ii. assumed holding/liquidation period for the assets iii. look-back period iv. 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	As at quarter end Mn. EURO 1,234.4 0.0 44,760.0 Gross As at quarter end Mn. EURO 2,351.8 [2]
5.3 6. Initial (6.1)	5301 5302 5303 5304 6000 <i>Margin</i> 6101 6102 6103 6104	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting i. confidence interval targeted for haircuts ii. assumed holding/liquidation period for the assets iii. look-back period iv. 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	As at quarter end Mn. EURO 1,234.4 0.0 44,760.0 Gross As at quarter end Mn. EURO 2,351.8 [2]
5.3 6. Initial (6.1)	5301 5302 5303 5304 6000 <i>Margin</i> 6101 6102 6103 6104 6201 6202 6203 6204	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting i. confidence interval targeted for haircuts ii. assumed holding/liquidation period for the assets iii. look-back period iv. 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)	As at quarter end Mn. EURO 1,234.4 0.0 44,760.0 Gross As at quarter end Mn. EURO 2,351.8 [2] [2]
5.3 6. Initial (6.1)	5301 5302 5303 5304 6000 <i>Margin</i> 6101 6102 6103 6104	the respective haircuts applied http://www.ecc.de/ecc-en/risk-management/collate Collateral Backtesting i. confidence interval targeted for haircuts ii. assumed holding/liquidation period for the assets iii. look-back period iv. 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	As at quarter end Mn. EURO 44,760.0 Gross As at quarter end Mn. EURO 2,351.8 [2]

6.3



10300 1	onsciosure for central counterparties	
6206	Sovereign Government Bonds - domestic	0.0
6207	Sovereign Government Bonds - foreign	479.1
6208	Agency	9.5
6209	Supranational Agency	5.1
6210	State / Provincial / Municipal - domestic	127.7
6211	State / Provincial / Municipal - foreign	21.1
6212	other Bonds	99.6
	Bonds (collateral value - post haircuts)	
6213	Sovereign Government Bonds - domestic	0.0
6214	Sovereign Government Bonds - foreign	446.4
6215	Agency	9.2
6216	Supranational Agency	4.9
6217	State / Provincial / Municipal - domestic	124.3
6218	State / Provincial / Municipal - foreign	16.2
6219	other Bonds	96.4
0213	b) non-segregated	30.4
	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	
6223	Secured cash at commercial banks (including reverse repo)	[2]
6224	· - · · ·	[2]
6224	Unsecured cash deposited at commercial banks	[2]
6225	Bonds (market value - w/o haircuts)	
6225	Sovereign Government Bonds - domestic	0.0
6226	Sovereign Government Bonds - foreign	0.0
6227	Agency	0.0
6228	Supranational Agency	0.0
6229	State / Provincial / Municipal - domestic	0.0
6230	State / Provincial / Municipal -foreign	0.0
6231	other Bonds	0.0
	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	38,548.7
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	241.1
6245	Sovereign Government Bonds - foreign	3,386.0
6246	Agency	112.2
6247	Supranational Agency	51.3
6248	State / Provincial / Municipal - domestic	437.2
6249	State / Provincial / Municipal - foreign	131.3
6250	other Bonds	336.7
0230	Bonds (collateral value - post haircuts)	0.0
6251	Sovereign Government Bonds - domestic	237.7
6252	Sovereign Government Bonds - foreign	3,174.0
6253	Agency	108.8
6254	Supranational Agency	49.0
6255	State / Provincial / Municipal - domestic	424.3
6256	State / Provincial / Municipal - foreign	100.8
6257	other Bonds	323.1
3237	Carici Borius	523.1
6301	Initial margin rates on individual contracts, where the CCP sets such rates	[7]
	The constant of the constant o	[,]
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European Commodity Clearing AG CPMI-IOSCO Disclosure for Central Counterparties



CI IVII		·	
6.4		Type of initial margin model used and key model design parameters	
	6401	Single Tail Confidence Level	99,0
	6402	Look Back Period	1 Year (250 Trading Days)
	6403	Weighting on historical data	Exponential Weighting
			with Lambda = 0.99
	6404	Close Out Periods	2 days
	6405	Rates and Credits	
		http://www.ecc.de/ecc-en/risk-mar	nagement/reports_and_files
	6406	Update Frequency	Daily
6.5		Results of back-testing of initial margin (daily basis)	prev. 12 months
		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	44
	6502	b) Number of observations where IM fell below mark-to-market	300
	6503	c) Achieved coverage level	99.6%
	6504	d) Specify if measured intraday/continuously or only once a day.	continuously
	6505	e) If once a day, specify at what time of day.	n/a
	c=06	f)	Mn. EURO
	6506	i. breaches of initial margin: peak uncovered exposure	722.7
	6507	ii. breaches of initial margin: average uncovered exposure [8]	15.1
Mara	in Calls		
6.6	111	Avera	age over quarter; Mn. EURO
	6601	Average total variation margin paid to the CCP by participants each business day.	433.3
6.7			um over quarter; Mn. EURO
	6701	Maximum total variation margin paid to the CCP on any given business day over the	941.1
		period.	
6.8		Maxim	um over quarter; Mn. EURO
	6801	Maximum aggregate initial margin call on any given business day over the period.	4,885.4
7		Liquidity Risk (Principle 7)	
7. 7.1	7101	Liquidity Risk (Principle 7) State whether the clearing service maintains sufficient liquid resources to 'Cover 1'	Cover 2
7.	7101	State whether the clearing service maintains sufficient liquid resources to 'Cover 1'	Cover 2
7. 7.1	7101	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each	
7. 7.1	7101	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency	Mn. EURO
7. 7.1		State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned	Mn. EURO As at quarter end
7. 7.1	7102	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR	Mn. EURO As at quarter end 43,736.5
7. 7.1		State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned	Mn. EURO As at quarter end 43,736.5 0.0
7. 7.1	7102 7109	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP	Mn. EURO As at quarter end 43,736.5
<u>7.</u> 7.1	7102 7109 7128	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP iii. JPY	Mn. EURO As at quarter end 43,736.5 0.0 0.0
7. 7.1	7102 7109 7128 7135	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP iii. JPY iv. NOK	Mn. EURO As at quarter end 43,736.5 0.0 0.0
7. 7.1	7102 7109 7128 7135	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP iii. JPY iv. NOK v. USD	Mn. EURO As at quarter end 43,736.5 0.0 0.0 0.0 0.0
7. 7.1	7102 7109 7128 7135 7116	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP iii. JPY iv. NOK v. USD b) Cash deposited at other central banks	Mn. EURO As at quarter end 43,736.5 0.0 0.0 0.0 0.0 As at quarter end
7. 7.1	7102 7109 7128 7135 7116	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP iii. JPY iv. NOK v. USD b) Cash deposited at other central banks i. EUR	Mn. EURO As at quarter end 43,736.5 0.0 0.0 0.0 0.0 As at quarter end 0.0
7. 7.1	7102 7109 7128 7135 7116 7103 7110	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP iii. JPY iv. NOK v. USD b) Cash deposited at other central banks i. EUR ii. GBP	Mn. EURO As at quarter end 43,736.5 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0
7. 7.1	7102 7109 7128 7135 7116 7103 7110 7129	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP iii. JPY iv. NOK v. USD b) Cash deposited at other central banks i. EUR ii. GBP iii. JPY	Mn. EURO As at quarter end 43,736.5 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0
7. 7.1	7102 7109 7128 7135 7116 7103 7110 7129 7136	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP iii. JPY iv. NOK v. USD b) Cash deposited at other central banks i. EUR ii. GBP iii. JPY iv. NOK	Mn. EURO As at quarter end 43,736.5 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 0.0
7. 7.1	7102 7109 7128 7135 7116 7103 7110 7129 7136	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP iii. JPY iv. NOK v. USD b) Cash deposited at other central banks i. EUR ii. GBP iii. JPY iv. NOK v. USD	Mn. EURO As at quarter end 43,736.5 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 0.0 0.0
7. 7.1	7102 7109 7128 7135 7116 7103 7110 7129 7136 7117	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP iii. JPY iv. NOK v. USD b) Cash deposited at other central banks i. EUR ii. GBP iii. JPY iv. NOK v. USD c) Secured cash deposited at commercial banks (including reverse repo)	Mn. EURO As at quarter end 43,736.5 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 As at quarter end
7. 7.1	7102 7109 7128 7135 7116 7103 7110 7129 7136 7117 7104 7111 7130	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP iii. JPY iv. NOK v. USD b) Cash deposited at other central banks i. EUR ii. GBP iii. JPY iv. NOK v. USD c) Secured cash deposited at commercial banks (including reverse repo) i. EUR ii. GBP	Mn. EURO As at quarter end 43,736.5 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 0.0 0.0
7. 7.1	7102 7109 7128 7135 7116 7103 7110 7129 7136 7117 7104 7111 7130 7137	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP iii. JPY iv. NOK v. USD b) Cash deposited at other central banks i. EUR ii. GBP iii. JPY iv. NOK v. USD c) Secured cash deposited at commercial banks (including reverse repo) i. EUR ii. GBP iii. JPY iv. NOK	Mn. EURO As at quarter end 43,736.5 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.
7.1	7102 7109 7128 7135 7116 7103 7110 7129 7136 7117 7104 7111 7130	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP iii. JPY iv. NOK v. USD b) Cash deposited at other central banks i. EUR ii. GBP iii. JPY iv. NOK v. USD c) Secured cash deposited at commercial banks (including reverse repo) i. EUR ii. GBP iii. JPY iv. NOK v. USD c) NOK v. USD	Mn. EURO As at quarter end 43,736.5 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
7. 7.1	7102 7109 7128 7135 7116 7103 7110 7129 7136 7117 7104 7111 7130 7137 7118	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP iii. JPY iv. NOK v. USD b) Cash deposited at other central banks i. EUR ii. GBP iii. JPY iv. NOK v. USD c) Secured cash deposited at commercial banks (including reverse repo) i. EUR ii. GBP iii. JPY iv. NOK v. USD c) Secured cash deposited at commercial banks (including reverse repo) i. EUR ii. GBP iii. JPY iv. NOK v. USD d) Unsecured cash deposited at commercial banks	Mn. EURO As at quarter end 43,736.5 0.0 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.
7. 7.1	7102 7109 7128 7135 7116 7103 7110 7129 7136 7117 7104 7111 7130 7137 7118	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP iii. JPY iv. NOK v. USD b) Cash deposited at other central banks i. EUR ii. GBP iii. JPY iv. NOK v. USD c) Secured cash deposited at commercial banks (including reverse repo) i. EUR ii. GBP iii. JPY iv. NOK v. USD c) Secured cash deposited at commercial banks (including reverse repo) d) Unsecured cash deposited at commercial banks i. EUR	Mn. EURO As at quarter end 43,736.5 0.0 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 1.9
7. 7.1	7102 7109 7128 7135 7116 7103 7110 7129 7136 7117 7104 7111 7130 7137 7118	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP iii. JPY iv. NOK v. USD b) Cash deposited at other central banks i. EUR ii. GBP iii. JPY iv. NOK v. USD c) Secured cash deposited at commercial banks (including reverse repo) i. EUR ii. GBP iii. JPY iv. NOK v. USD c) Secured cash deposited at commercial banks (including reverse repo) d) Unsecured cash deposited at commercial banks i. EUR ii. GBP	Mn. EURO As at quarter end 43,736.5 0.0 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.
7. 7.1	7102 7109 7128 7135 7116 7103 7110 7129 7136 7117 7104 7111 7130 7137 7118 7105 7112 7131	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP iii. JPY iv. NOK v. USD b) Cash deposited at other central banks i. EUR ii. GBP iii. JPY iv. NOK v. USD c) Secured cash deposited at commercial banks (including reverse repo) i. EUR ii. GBP iii. JPY iv. NOK v. USD c) Secured cash deposited at commercial banks (including reverse repo) d) Unsecured cash deposited at commercial banks i. EUR	Mn. EURO As at quarter end 43,736.5 0.0 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 1.9
7. 7.1	7102 7109 7128 7135 7116 7103 7110 7129 7136 7117 7104 7111 7130 7137 7118 7105 7112 7131 7138	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP iii. JPY iv. NOK v. USD b) Cash deposited at other central banks i. EUR ii. GBP iii. JPY iv. NOK v. USD c) Secured cash deposited at commercial banks (including reverse repo) i. EUR ii. GBP iii. JPY iv. NOK v. USD d) Unsecured cash deposited at commercial banks i. EUR ii. GBP iii. JPY iv. NOK v. USD d) Unsecured cash deposited at commercial banks i. EUR ii. GBP iii. JPY iv. NOK v. USD	Mn. EURO As at quarter end 43,736.5 0.0 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 1.9 33.1 0.1 0.0
7. 7.1	7102 7109 7128 7135 7116 7103 7110 7129 7136 7117 7104 7111 7130 7137 7118 7105 7112 7131 7138 7119	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP iii. JPY iv. NOK v. USD b) Cash deposited at other central banks i. EUR ii. GBP iii. JPY iv. NOK v. USD c) Secured cash deposited at commercial banks (including reverse repo) i. EUR ii. GBP iii. JPY iv. NOK v. USD d) Unsecured cash deposited at commercial banks i. EUR ii. GBP iii. JPY iv. NOK v. USD d) Unsecured cash deposited at commercial banks i. EUR ii. GBP iii. JPY iv. NOK v. USD	Mn. EURO As at quarter end 43,736.5 0.0 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 1.9 33.1 0.1 0.0 0.5
7. 7.1	7102 7109 7128 7135 7116 7103 7110 7129 7136 7117 7104 7111 7130 7137 7118 7105 7112 7131 7138	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP iii. JPY iv. NOK v. USD b) Cash deposited at other central banks i. EUR ii. GBP iii. JPY iv. NOK v. USD c) Secured cash deposited at commercial banks (including reverse repo) i. EUR ii. GBP iii. JPY iv. NOK v. USD d) Unsecured cash deposited at commercial banks i. EUR ii. GBP iii. JPY iv. NOK v. USD d) Unsecured cash deposited at commercial banks v. USD d) Unsecured cash deposited at commercial banks i. EUR ii. GBP iii. JPY iv. NOK v. USD vi. NOK v. USD vi. PLN	Mn. EURO As at quarter end 43,736.5 0.0 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 1.9 33.1 0.1 0.0 0.0 0.5 0.0
7. 7.1	7102 7109 7128 7135 7116 7103 7110 7129 7136 7117 7104 7111 7130 7137 7118 7105 7112 7131 7138 7119	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' Size and composition of qualifying liquid resources for each clearing service, for each relevant currency a) Cash deposited at a central bank of issue of the currency concerned i. EUR ii. GBP iii. JPY iv. NOK v. USD b) Cash deposited at other central banks i. EUR ii. GBP iii. JPY iv. NOK v. USD c) Secured cash deposited at commercial banks (including reverse repo) i. EUR ii. GBP iii. JPY iv. NOK v. USD d) Unsecured cash deposited at commercial banks i. EUR ii. GBP iii. JPY iv. NOK v. USD d) Unsecured cash deposited at commercial banks i. EUR ii. GBP iii. JPY iv. NOK v. USD	Mn. EURO As at quarter end 43,736.5 0.0 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 0.0 As at quarter end 0.0 0.0 0.0 1.9 33.1 0.1 0.0 0.5



	7106	i. EUR	0.0
	7113	ii. GBP	0.0
	7132	iii. JPY	0.0
	7132	iv. NOK	0.0
	7120	v. 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	110.0
	7114	ii. GBP	0.0
	7133	iii. JPY	0.0
	7140	iv. NOK	0.0
	7121	v. USD	0.0
		g) highly marketable collateral held in custody and investments that are readily available and convertible into cash with prearranged and highly reliable funding	As at quarter end
		arrangements even in extreme but plausible market conditions	
		arrangements even in extreme but plausible market conditions	[9]
	7108	i. EUR	250.7
	7115	ii. GBP	0.0
	7134	iii. JPY	0.0
	7141	iv. NOK	0.0
	7122	v. USD	0.0
		h) other	
		i. EUR	0.0
		ii. GBP	0.0
		iii. JPY	0.0
		iv. NOK	0.0
		v. USD	0.0
		i) State whether the CCP has routine access to central bank liquidity or facilities.	As at quarter end
	7123	i. EUR	Yes - Intraday facility
	7124	ii. GBP	No
	7126	iii. JPY	No
	7127	iv. NOK	No
	7125	v. USD	No
7.2	7201	Supplementary Liquidity over those from 7.1	
		le company and a second company and a second company and a second company and a second company are second company are second company and a second company are second company are second company are second company and a second company are second company and a second company are second company are second company are second company are second company and a second company are second company a	n/a
7.3		Largest same-day payment obligation in total that would be caused by the default of	
		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 market conditions?	previous quarter
	7301		previous quarter
		any single participant and its affiliates in extreme but plausible market conditions?	previous quarter Mn. EURO
	7301	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity	previous quarter Mn. EURO 15,579.3
	7301 7302	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity iii. amount of excess on each day:	previous quarter Mn. EURO 15,579.3 0
	7301 7302 7303	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity iii. amount of excess on each day: amount of exess of payment over liq., day 1	previous quarter Mn. EURO 15,579.3 0
	7301 7302 7303 7304	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity iii. amount of excess on each day: amount of exess of payment over liq., day 1 amount of exess of payment over liq., day 2	previous quarter Mn. EURO 15,579.3 0 n/a n/a
	7301 7302 7303 7304 7305	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity iii. amount of excess on each day: amount of exess of payment over liq., day 1 amount of exess of payment over liq., day 2 amount of exess of payment over liq., day 3	previous quarter Mn. EURO 15,579.3 0 n/a n/a n/a
	7301 7302 7303 7304 7305 7306	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity iii. amount of excess on each day: amount of exess of payment over liq., day 1 amount of exess of payment over liq., day 2 amount of exess of payment over liq., day 3 amount of exess of payment over liq., day 4	previous quarter Mn. EURO 15,579.3 0 n/a n/a n/a n/a
	7301 7302 7303 7304 7305 7306 7307	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity iii. amount of excess on each day: amount of exess of payment over liq., day 1 amount of exess of payment over liq., day 2 amount of exess of payment over liq., day 3 amount of exess of payment over liq., day 4 amount of exess of payment over liq., day 5	previous quarter Mn. EURO 15,579.3 0 n/a n/a n/a n/a n/a
	7301 7302 7303 7304 7305 7306 7307 7308	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity iii. amount of excess on each day: amount of exess of payment over liq., day 1 amount of exess of payment over liq., day 2 amount of exess of payment over liq., day 3 amount of exess of payment over liq., day 4 amount of exess of payment over liq., day 5 amount of exess of payment over liq., day 6	previous quarter Mn. EURO 15,579.3 0 n/a n/a n/a n/a n/a n/a
	7301 7302 7303 7304 7305 7306 7307 7308 7309	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity iii. amount of excess on each day: amount of exess of payment over liq., day 1 amount of exess of payment over liq., day 2 amount of exess of payment over liq., day 3 amount of exess of payment over liq., day 4 amount of exess of payment over liq., day 5 amount of exess of payment over liq., day 6 amount of exess of payment over liq., day 7	previous quarter Mn. EURO 15,579.3 0 n/a n/a n/a n/a n/a n/a n/a n/a
	7301 7302 7303 7304 7305 7306 7307 7308 7309 7310	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity iii. amount of excess on each day: amount of exess of payment over liq., day 1 amount of exess of payment over liq., day 2 amount of exess of payment over liq., day 3 amount of exess of payment over liq., day 4 amount of exess of payment over liq., day 5 amount of exess of payment over liq., day 6 amount of exess of payment over liq., day 7 amount of exess of payment over liq., day 8	previous quarter Mn. EURO 15,579.3 0 n/a n/a n/a n/a n/a n/a n/a n/a n/a
	7301 7302 7303 7304 7305 7306 7307 7308 7309 7310 7311	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity iii. amount of excess on each day: amount of exess of payment over liq., day 1 amount of exess of payment over liq., day 2 amount of exess of payment over liq., day 3 amount of exess of payment over liq., day 4 amount of exess of payment over liq., day 5 amount of exess of payment over liq., day 6 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 8 amount of exess of payment over liq., day 9	previous quarter Mn. EURO 15,579.3 0 n/a
	7301 7302 7303 7304 7305 7306 7307 7308 7309 7310	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity iii. amount of excess on each day: amount of exess of payment over liq., day 1 amount of exess of payment over liq., day 2 amount of exess of payment over liq., day 3 amount of exess of payment over liq., day 4 amount of exess of payment over liq., day 5 amount of exess of payment over liq., day 6 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 9 amount of exess of payment over liq., day 9 amount of exess of payment over liq., day 9 amount of exess of payment over liq., day 10	previous quarter Mn. EURO 15,579.3 0 n/a n/a n/a n/a n/a n/a n/a n/a n/a
	7301 7302 7303 7304 7305 7306 7307 7308 7309 7310 7311	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity iii. amount of excess on each day: amount of exess of payment over liq., day 1 amount of exess of payment over liq., day 2 amount of exess of payment over liq., day 3 amount of exess of payment over liq., day 4 amount of exess of payment over liq., day 5 amount of exess of payment over liq., day 6 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 8 amount of exess of payment over liq., day 9	previous quarter Mn. EURO 15,579.3 0 n/a
	7301 7302 7303 7304 7305 7306 7307 7308 7309 7310 7311 7312	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity iii. amount of excess on each day: amount of exess of payment over liq., day 1 amount of exess of payment over liq., day 2 amount of exess of payment over liq., day 3 amount of exess of payment over liq., day 4 amount of exess of payment over liq., day 5 amount of exess of payment over liq., day 6 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 9 amount of exess of payment over liq., day 9 amount of exess of payment over liq., day 9 amount of exess of payment over liq., day 10	previous quarter Mn. EURO 15,579.3 0 n/a
7.3	7301 7302 7303 7304 7305 7306 7307 7308 7309 7310 7311 7312	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity iii. amount of excess on each day: amount of exess of payment over liq., day 1 amount of exess of payment over liq., day 2 amount of exess of payment over liq., day 3 amount of exess of payment over liq., day 4 amount of exess of payment over liq., day 5 amount of exess of payment over liq., day 6 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 iv. actual largest payment obligation to a single participant over the past 12 months	previous quarter Mn. EURO 15,579.3 0 n/a
7.3	7301 7302 7303 7304 7305 7306 7307 7308 7309 7310 7311 7312 7313	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity iii. amount of excess on each day: amount of exess of payment over liq., day 1 amount of exess of payment over liq., day 2 amount of exess of payment over liq., day 3 amount of exess of payment over liq., day 4 amount of exess of payment over liq., day 5 amount of exess of payment over liq., day 6 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 iv. actual largest payment obligation to a single participant over the past 12 months Exchange of Value Settlement Systems (Principle 12)	previous quarter Mn. EURO 15,579.3 0 n/a
7.3	7301 7302 7303 7304 7305 7306 7307 7308 7309 7310 7311 7312	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity iii. amount of excess on each day: amount of exess of payment over liq., day 1 amount of exess of payment over liq., day 2 amount of exess of payment over liq., day 3 amount of exess of payment over liq., day 4 amount of exess of payment over liq., day 5 amount of exess of payment over liq., day 6 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 iv. actual largest payment obligation to a single participant over the past 12 months	previous quarter Mn. EURO 15,579.3 0 n/a
7.3	7301 7302 7303 7304 7305 7306 7307 7308 7309 7310 7311 7312 7313	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity iii. amount of excess on each day: amount of exess of payment over liq., day 1 amount of exess of payment over liq., day 2 amount of exess of payment over liq., day 3 amount of exess of payment over liq., day 4 amount of exess of payment over liq., day 5 amount of exess of payment over liq., day 6 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 iv. actual largest payment obligation to a single participant over the past 12 months Exchange of Value Settlement Systems (Principle 12)	previous quarter Mn. EURO 15,579.3 0 n/a
7.3 12. 12.1	7301 7302 7303 7304 7305 7306 7307 7308 7309 7310 7311 7312 7313	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity iii. amount of excess on each day: amount of exess of payment over liq., day 1 amount of exess of payment over liq., day 2 amount of exess of payment over liq., day 3 amount of exess of payment over liq., day 4 amount of exess of payment over liq., day 5 amount of exess of payment over liq., day 6 amount of exess of payment over liq., day 7 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 iv. actual largest payment obligation to a single participant over the past 12 months Exchange of Value Settlement Systems (Principle 12)	previous quarter Mn. EURO 15,579.3 0 n/a
7.3 12. 12.1 12.2	7301 7302 7303 7304 7305 7306 7307 7308 7309 7310 7311 7312 7313	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity iii. amount of excess on each day: amount of exess of payment over liq., day 1 amount of exess of payment over liq., day 2 amount of exess of payment over liq., day 3 amount of exess of payment over liq., day 4 amount of exess of payment over liq., day 4 amount of exess of payment over liq., day 5 amount of exess of payment over liq., day 6 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 iv. actual largest payment obligation to a single participant over the past 12 months Exchange of Value Settlement Systems (Principle 12) Percentage of settlements by volume effected using a DvP, DvD or PvP settlement mechanism	previous quarter Mn. EURO 15,579.3 0 n/a
7.3 12. 12.1 12.2	7301 7302 7303 7304 7305 7306 7307 7308 7309 7310 7311 7312 7313	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity iii. amount of excess on each day: amount of exess of payment over liq., day 1 amount of exess of payment over liq., day 2 amount of exess of payment over liq., day 3 amount of exess of payment over liq., day 4 amount of exess of payment over liq., day 5 amount of exess of payment over liq., day 6 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 iv. actual largest payment obligation to a single participant over the past 12 months Exchange of Value Settlement Systems (Principle 12) Percentage of settlements by volume effected using a DvP, DvD or PvP settlement mechanism Default Rules and Procedures (Principle 13)	previous quarter Mn. EURO 15,579.3 0 n/a
7.3 12. 12.1 12.2	7301 7302 7303 7304 7305 7306 7307 7308 7310 7311 7312 7313	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity iii. amount of excess on each day: amount of exess of payment over liq., day 1 amount of exess of payment over liq., day 2 amount of exess of payment over liq., day 3 amount of exess of payment over liq., day 4 amount of exess of payment over liq., day 5 amount of exess of payment over liq., day 6 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 iv. actual largest payment obligation to a single participant over the past 12 months Exchange of Value Settlement Systems (Principle 12) Percentage of settlements by value effected using a DvP, DvD or PvP settlement mechanism Default Rules and Procedures (Principle 13) Quantitative information related to past defaults	previous quarter Mn. EURO 15,579.3 0 n/a
7.3 12. 12.1 12.2	7301 7302 7303 7304 7305 7306 7307 7308 7309 7310 7311 7312 7313	i. maximum estimated amount ii. number of days where estimated payment exceeded liquidity iii. amount of excess on each day: amount of excess of payment over liq., day 1 amount of exess of payment over liq., day 2 amount of exess of payment over liq., day 3 amount of exess of payment over liq., day 4 amount of exess of payment over liq., day 5 amount of exess of payment over liq., day 5 amount of exess of payment over liq., day 6 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 iv. actual largest payment obligation to a single participant over the past 12 months Exchange of Value Settlement Systems (Principle 12) Percentage of settlements by value effected using a DvP, DvD or PvP settlement mechanism Default Rules and Procedures (Principle 13) Quantitative information related to past defaults a) amount of loss vs. amount of margin	previous quarter Mn. EURO 15,579.3 0 n/a



C	.0000	disclosure for central counterparties	
	13103	c) proportion of client positions closed-out/ported	n/a
11		Commention and Bookshills. (Britarials 4.4)	
14.	1	Segregation and Portability (Principle 14) Total client positions (Open Interest) as a share of notional values, by type of	Γ
14.1			[6]
		segregation a) basis: OI short side	[6]
	14101	i. HOUSE	< 5%
	14102	ii. ISA	< 5%
	14103	iii. LSOC/GOS	92%
	14104	iv. SOS	< 5%
		b) basis: OI long side	3,0
	14105	i. HOUSE	< 5%
	14106	ii. ISA	< 5%
	14107	iii. LSOC/GOS	92%
	14108	iv. SOS	< 5%
15.		General Business Risk (Prinicple 15)	
13.		deneral business kisk (i filinepie 15)	Mn. EURO
15.1	15101	a) value of liquid net assets funded by equity (EMIR capital)	158.0
		b) six months of current operating expenses	33.6
15.2		Financial disclosures	[10]
	15201	a) total revenue	201.6
		b) total expenditure	131.8
		c) profits	69.7
	15204	d) total assets	47,598.3
	15205	e) total liabilities	47,598.3
		f) Explain if collateral posted by clearing participants is held on or off the CCP's	n/a
	13200	balance sheet	1,, 4
15.3	15001	Income breakdowns	4000
	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
			Mn. EURO
16.1		Total Cash received by the CCP from participants	43,762.2
		Total Cash received by the CCP from participants: Default Fund contributions	2,862.6
46.0	16103	Total Cash received by the CCP from participants: Initial Margins	40,899.6
16.2	4.6004	Investment of Cash: Deposits	1000/
	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
	16211	Investment of Cash: Securities	00/
	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
	16330	Investment of Cash: Investment Risk	/-
	16220	VaR(99%) of total investment portfolio	n/a
	16221	Limit for Investment Counterparty	individual limits, see [11]



		visciosure for certiful counterparties	
	16222	Number of investment limit breaches (see [11])	0
16.3	16301	Investment of Cash: Rehypothetication of Cash (ECC does not use the instrument of rehypothetication of cash for investment)	no
17.		Operational Risk (Principle 17)	
17.1	17101	Operational availability targets for the core systems involved in clearing	99%
17.2	17201	Achieved availability of the core systems, previous twelve months	>99%
17.3	17301	Total number of failures affecting the core systems, previous twelve months	n/a
	17302	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	1
	18102	b) DCM foreign	3
	18103	c) GCM domestic	5
	18104	d) GCM foreign	21
	18105	e) DCP domestic	21
	18106	f) DCP foreign	51
18.2		Percentage of OI held by Top5 CM: daily average over quarter	
	18201	a) basis: long side	81%
	18202	b) basis: short side	82%
		Percentage of OI held by Top5 CM: peak EoD over quarter	
	18203	c) basis: long side	82%
	18204	d) basis: short side	82%
18.3	40004	Percentage of IM posted by Top5 CMs	240/
	18301	a) peak EoD over quarter	81%
40.4	18302	b) daily average over quarter	80%
18.4	18401	Percentage of Top5 CM contributions to CF	70%
19.		Tiered Participation Arrangements (Principle 19)	
19.1		Measures of concentration of client clearing	
	19101	a) Number of known clients	625
	19102	b) Number of CM clearing for clients	26
	19103	c) Client OI attributale to Top5 CM	84%
	19104	d) Client OI attributale to Top5 CM	84%

Comments and Explanations

- [1] 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.
- [2] 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.
- [3] According to ECC's collateral policy, ECC does not accept "other types" of collteral for the default fund. See also https://www.ecc.de/ecc-en/risk-management/collateral-management
- [4] 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.
- [7] 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
- [8] Days without uncovered exposure are not included in the calculation of the average value.
- [9] 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.
- [10] Values taken from the latest audited annual financial statement. See also https://www.ecc.de/ecc-en/about-ecc/company/reports
- [11] ECC sets individual limits for investment counterparties with regard to types of investment as well as overall limits for the individual counterparty and the counterparties group. These limits are based on an internal risk assessment using different external data sources including external rating agencies. Information refers to group external investment counterparties.