BMECLEARING

Capital requirements for default fund exposures to BME CLEARING
CEM methodology

31 July 2021

Key Summary Statistics	Financial Derivatives	Power	Repo	IRS	Equities
Unit	Eur 1000	Eur 1000	Eur 1000	Eur 1000	Eur 1000
N, Number of clearing members	33	6	25	8	21
DF_{CCP}, CCP's prefunded own resources (before using default fund from surviving clearing members)	2,000	500	1,000	500	1,500
DF_{CM}, Prefunded default fund from all clearing members	140,950	53,500	68,500	4,600	199,400
DF'_{CM}, Prefunded default fund from surviving clearing members	132,408	35,667	63,020	3,450	180,410
$DF' = DF_{CCP} + DF'_{CM}$	134,408	36,167	64,020	3,950	181,910
∑(EBRMi-IMi-DFi), CCP total exposure	1,608	0	0	15,561	0
K_{CCP}, CCP hypothetical capital requirement	**26**	**0**	**0**	**249**	**0**
Formula Selected in K^*_{CM} Calculation	**3**	**3**	**3**	**3**	**3**
c_1, Decreasing capital factor applied to excess prefunded DF	0.16%	0.16%	0.16%	0.70%	0.16%
$K^*_{CM} = c_1 * DF'_{CM}$, Aggregate capital requirement before adjustment	**212**	**57**	**101**	**24**	**289**
Beta (concentration factor) in allocation formula	0.2353	0.6222	0.3875	0.5531	0.5214
Allocation method for C-factor	DFi/DFCM	DFi/DFCM	DFi/DFCM	DFi/DFCM	DFi/DFCM
(1+Beta*N/(N-2)), Adjustment Factor for granularity and concentration	1.2505	1.9332	1.4212	1.7374	1.5763
C-factor = (1+Beta*N/(N-2))* K^*_{CM} / DF_{CM}, Risk weight used to calculate each clearing member capital requirement	**0.188%**	**0.206%**	**0.209%**	**0.910%**	**0.228%**
K_{CMi} if DFi = 1.000	1.88	2.06	2.09	9.10	2.28

Capital requirements for default fund exposures to BME CLEARING
"Standardized Approach for Counterparty Credit Risk (SA-CCR)"

31 July 2021

Key Summary Statistics	Financial Derivatives	Power	Repo	IRS	Equities
Unit	Eur 1000	Eur 1000	Eur 1000	Eur 1000	Eur 1000
N, Number of clearing members	33	6	25	8	21
DF_{CCP}, CCP's prefunded own resources	2000	500	1000	500	1500
DF_{CM}, Prefunded default fund from all clearing members	140,950	53,500	68,500	4,600	199,400
K_{CCP}, CCP hypothetical capital requirement	**3,496**	**1,353**	**0**	**8**	**0**
C-factor = max(K_{CCP} *(DF_i / (DF_{CCP} + DF_{CM})); 8% * 2% * DF_i)	**2.446%**	**2.505%**	**0.160%**	**0.160%**	**0.160%**
K_{CMi} if DFi = 1.000	24.46	25.05	1.60	1.60	1.60