BME CLEARING

Capital requirements for default fund exposures to BME CLEARING
CEM methodology

29 January 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	35	6	25	9	23
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	185,300	26,550	69,950	5,100	198,400
DF'_{CM}, Prefunded default fund from surviving clearing members	174,711	17,700	64,354	3,967	181,148
$DF' = DF_{CCP} + DF'_{CM}$	176,711	18,200	65,354	4,467	182,648
∑(EBRMi-IMi-DFi), CCP total exposure	0	0	0	15,025	0
K_{CCP}, CCP hypothetical capital requirement	**0**	**0**	**0**	**240**	**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%	0.67%	0.16%
$K^*_{CM} = c_1 * DF'_{CM}$, Aggregate capital requirement before adjustment	**280**	**28**	**103**	**26**	**290**
Beta (concentration factor) in allocation formula	0.2661	0.6585	0.4527	0.4985	0.5096
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	1.2822	1.9877	1.4921	1.6409	1.5581
C-factor = (1+Beta*N/(N-2))* K^*_{CM} / DF_{CM}, Risk weight used to calculate each clearing member capital requirement	**0.193%**	**0.212%**	**0.220%**	**0.850%**	**0.228%**
K_{CMi} if DFi = 1.000	1.93	2.12	2.20	8.50	2.28

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

29 January 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	35	6	25	9	23
DF_{CCP}, CCP's prefunded own resources	2,000	500	1,000	500	1,500
DF_{CM}, Prefunded default fund from all clearing members	185,300	26,550	69,950	5,100	198,400
K_{CCP}, CCP hypothetical capital requirement	**2,194**	**1,008**	**0**	**6**	**0**
C-factor = max(K_{CCP} *(DF_i / (DF_{CCP} + DF_{CM})); 8% * 2% * DF_i)	**1.172%**	**3.726%**	**0.160%**	**0.160%**	**0.160%**
K_{CMi} if DFi = 1.000	11.72	37.26	1.60	1.60	1.60