

(i) Sum of the respective estimated reference prices and a potential auction premium and a potential mandatory minimum premium multiplied by the amount of contracted incremental capacity

	Amount of contracted incremental capacity	x	Sum of estimated reference prices and a potential auction premium and a potential mandatory minimum premium			=	Result
	Amount of contracted incremental capacity in kWh/a	x	Reference prices in €/MWh/a	Auction premium in €/MWh/a	Minimum premium in €/MWh/a	=	Result in €
2016	0	x	3,7715				
2017	0	x	3,7715			=	0,00
2018	0	x	3,7715			=	0,00
2019	0	x	3,7715			=	0,00
2020	0	x	3,7715			=	0,00
2021	0	x	3,7715			=	0,00
2022	0	x	3,7715			=	0,00
2023	0	x	3,7715			=	0,00
2024	0	x	3,7715			=	0,00
2025	659 564	x	3,7715			=	2 487 545,63
2026	3 287 819	x	3,7715			=	12 437 724,36
2027	5 276 509	x	3,7715			=	19 900 353,69
2028	5 276 509	x	3,7715			=	19 900 353,69
2029	5 276 509	x	3,7715			=	19 900 353,69
2030	6 337 342	x	3,7715			=	23 901 436,21
2031	9 520 000	x	3,7715			=	35 904 680,00
2032	9 520 000	x	3,7715			=	35 904 680,00
2033	9 520 000	x	3,7715			=	35 904 680,00
2034	9 520 000	x	3,7715			=	35 904 680,00
2035	9 520 000	x	3,7715			=	35 904 680,00
2036	9 520 000	x	3,7715			=	35 904 680,00
2037	9 520 000	x	3,7715			=	35 904 680,00
2038	9 520 000	x	3,7715			=	35 904 680,00
2039	9 520 000	x	3,7715			=	35 904 680,00
2040	7 140 000	x	3,7715			=	26 928 510,00
2041	0	x	3,7715			=	0,00
2042	0	x	3,7715			=	0,00
2043	0	x	3,7715			=	0,00
2044	0	x	3,7715			=	0,00
2045	0	x	3,7715			=	0,00
2046	0	x	3,7715			=	0,00
2047	0	x	3,7715			=	0,00
2048	0	x	3,7715			=	0,00
2049	0	x	3,7715			=	0,00
2050	0	x	3,7715			=	0,00
2051	0	x	3,7715			=	0,00
2052	0	x	3,7715			=	0,00
2053	0	x	3,7715			=	0,00
2054	0	x	3,7715			=	0,00
2055	0	x	3,7715			=	0,00
2056	0	x	3,7715			=	0,00
2057	0	x	3,7715			=	0,00
2058	0	x	3,7715			=	0,00
2059	0	x	3,7715			=	0,00
2060	0	x	3,7715			=	0,00
2061	0	x	3,7715			=	0,00
2062	0	x	3,7715			=	0,00
2063	0	x	3,7715			=	0,00
2064	0	x	3,7715			=	0,00
2065	0	x	3,7715			=	0,00
2066	0	x	3,7715			=	0,00
2067	0	x	3,7715			=	0,00
2068	0	x	3,7715			=	0,00
2069	0	x	3,7715			=	0,00
2070	0	x	3,7715			=	0,00

	Amount of available capacity that was contracted in combination with the incremental	x	Sum of potential auction premium and potential mandatory minimum premium	=	Result	Overall result
	Amount of available capacity that was contracted in combination	x	Auction premium in €/kWh/a	=	Result in €	Overall result in €
2016		x		=	0	0,00
2017		x		=	0	0,00
2018		x		=	0	0,00
2019		x		=	0	0,00
2020		x		=	0	0,00
2021		x		=	0	0,00
2022		x		=	0	0,00
2023		x		=	0	0,00
2024		x		=	0	0,00
2025		x		=	0	2 487 545,63
2026		x		=	0	12 437 724,36
2027		x		=	0	19 900 353,69
2028		x		=	0	19 900 353,69
2029		x		=	0	19 900 353,69
2030		x		=	0	23 901 436,21
2031		x		=	0	35 904 680,00
2032		x		=	0	35 904 680,00
2033		x		=	0	35 904 680,00
2034		x		=	0	35 904 680,00
2035		x		=	0	35 904 680,00
2036		x		=	0	35 904 680,00
2037		x		=	0	35 904 680,00
2038		x		=	0	35 904 680,00
2039		x		=	0	35 904 680,00
2040		x		=	0	26 928 510,00
2041		x		=	0	0,00
2042		x		=	0	0,00
2043		x		=	0	0,00
2044		x		=	0	0,00
2045		x		=	0	0,00
2046		x		=	0	0,00
2047		x		=	0	0,00
2048		x		=	0	0,00
2049		x		=	0	0,00
2050		x		=	0	0,00
2051		x		=	0	0,00
2052		x		=	0	0,00
2053		x		=	0	0,00
2054		x		=	0	0,00
2055		x		=	0	0,00
2056		x		=	0	0,00
2057		x		=	0	0,00
2058		x		=	0	0,00
2059		x		=	0	0,00
2060		x		=	0	0,00
2061		x		=	0	0,00
2062		x		=	0	0,00
2063		x		=	0	0,00
2064		x		=	0	0,00
2065		x		=	0	0,00
2066		x		=	0	0,00
2067		x		=	0	0,00
2068		x		=	0	0,00
2069		x		=	0	0,00
2070		x		=	0	0,00

[illegible]

Year	Overall costs per year in €	Present values related to year of binding capacity request in €
2016	-	-
2017	-	-
2018	-	-
2019	-	-
2020	-	-
2021	2,543.89	2,308.60
2022	41,218.12	35,633.93
2023	216,247.33	178,094.94
2024	489,664.51	384,170.44
2025	851,831.41	636,655.58
2026	1,112,130.19	791,829.93
2027	1,103,078.95	748,183.40
2028	1,084,027.71	708,895.11
2029	1,084,976.48	667,839.59
2030	1,570,589.91	600,957.89
2031	1,161,017.67	812,173.08
2032	1,552,487.43	826,143.38
2033	1,543,436.20	752,422.36
2034	1,304,334.98	740,989.95
2035	1,525,332.72	701,726.39
2036	1,516,282.48	664,520.20
2037	1,321,212.25	629,264.45
2038	1,498,180.01	595,857.61
2039	1,488,129.77	564,703.70
2040	1,167,774.54	517,379.58
2041	1,026,426.39	523,924.50
2042	1,017,375.06	333,244.42
2043	1,008,323.83	143,632.12
2044	992,712.59	297,039.06
2045	960,221.35	280,405.84
2046	981,170.10	264,681.92
2047	1,127,118.96	249,811.64
2048	963,067.84	235,769.23
2049	954,016.41	222,490.44
2050	1,050,744.02	50,561.08
2051	224,860.16	47,811.56
2052	222,340.55	44,628.04
2053	179,720.45	42,201.39
2054	217,100.36	39,722.99
2055	214,480.26	37,384.70
2056	211,860.17	35,178.81
2057	193,115.11	33,098.01
2058	206,619.98	31,135.40
2059	203,989.89	29,284.46
2060	190,779.79	27,539.02
2061	198,759.70	25,893.22
2062	186,139.60	24,341.55
2063	193,115.11	22,873.78
2064	190,809.41	21,499.97
2065	188,279.32	20,200.45
2066	185,699.22	18,157.80
2067	183,039.13	17,821.85
2068	180,419.03	16,734.64
2069	177,968.94	15,710.44
2070	0.00	0.00

Worksheet f:
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1. *Journal of Management Studies*, 1996, 33, 1, 1-14.

Suggested calculation of the f-factor from Article 23(1) NC CAM

i) Income from incremental capacity after the period of binding capacity requests and income from incremental capacity which is set aside
(please only fill out the yellow and red fields in columns C and F, values in grey fields in columns C and F must be 0)

Explanation: Income after the period of binding capacity requests are yellow, income from set aside capacity red

	Amount of incremental capacity likely to be sold in kWh/h/a	x	Reference prices in €/kWh/h/a	Auction premium in €/kWh/h/a	Minimum premium in €/kWh/h/a	=	Result in €
2016	0	x	3.7715			=	0.00
2017	0	x	3.7715			=	0.00
2018	0	x	3.7715			=	0.00
2019	0	x	3.7715			=	0.00
2020	0	x	3.7715			=	0.00
2021	0	x	3.7715			=	0.00
2022	0	x	3.7715			=	0.00
2023	0	x	3.7715			=	0.00
2024	0	x	3.7715			=	0.00
2025	0	x	3.7715			=	0.00
2026	0	x	3.7715			=	0.00
2027	0	x	3.7715			=	0.00
2028	0	x	3.7715			=	0.00
2029	0	x	3.7715			=	0.00
2030	595.000	x	3.7715			=	2.244.042,50
2031	2.380.000	x	3.7715			=	8.976.170,00
2032	2.380.000	x	3.7715			=	8.976.170,00
2033	2.380.000	x	3.7715			=	8.976.170,00
2034	2.380.000	x	3.7715			=	8.976.170,00
2035	2.380.000	x	3.7715			=	8.976.170,00
2036	2.380.000	x	3.7715			=	8.976.170,00
2037	2.380.000	x	3.7715			=	8.976.170,00
2038	2.380.000	x	3.7715			=	8.976.170,00
2039	2.380.000	x	3.7715			=	8.976.170,00
2040	4.018.250	x	3.7715			=	15.147.286,88
2041	8.925.000	x	3.7715			=	33.660.637,50
2042	8.925.000	x	3.7715			=	33.660.637,50
2043	8.925.000	x	3.7715			=	33.660.637,50
2044	8.925.000	x	3.7715			=	33.660.637,50
2045	8.925.000	x	3.7715			=	33.660.637,50
2046	8.925.000	x	3.7715			=	33.660.637,50
2047	8.925.000	x	3.7715			=	33.660.637,50
2048	8.925.000	x	3.7715			=	33.660.637,50
2049	8.925.000	x	3.7715			=	33.660.637,50
2050	0	x	3.7715			=	0.00
2051	0	x	3.7715			=	0.00
2052	0	x	3.7715			=	0.00
2053	0	x	3.7715			=	0.00
2054	0	x	3.7715			=	0.00
2055	0	x	3.7715			=	0.00
2056	0	x	3.7715			=	0.00
2057	0	x	3.7715			=	0.00
2058	0	x	3.7715			=	0.00
2059	0	x	3.7715			=	0.00
2060	0	x	3.7715			=	0.00
2061	0	x	3.7715			=	0.00
2062	0	x	3.7715			=	0.00
2063	0	x	3.7715			=	0.00
2064	0	x	3.7715			=	0.00
2065	0	x	3.7715			=	0.00
2066	0	x	3.7715			=	0.00
2067	0	x	3.7715			=	0.00
2068	0	x	3.7715			=	0.00
2069	0	x	3.7715			=	0.00
2070	0	x	3.7715			=	0.00

ii) Income from auction proceeds for existing capacity which was contracted in combination with the incremental capacity after the period of binding capacity requests
(please only fill out the yellow fields in columns L and N, values in grey fields in columns L and N must be 0)

	Amount of existing capacity likely to be sold in kWh/h/a	x	Auction premium in €/kWh/h/a	Minimum premium in €/kWh/h/a	=	Result in €
2016		x			=	0
2017		x			=	0
2018		x			=	0
2019		x			=	0
2020		x			=	0
2021		x			=	0
2022		x			=	0
2023		x			=	0
2024		x			=	0
2025		x			=	0
2026		x			=	0
2027		x			=	0
2028		x			=	0
2029		x			=	0
2030		x			=	0
2031		x			=	0
2032		x			=	0
2033		x			=	0
2034		x			=	0
2035		x			=	0
2036		x			=	0
2037		x			=	0
2038		x			=	0
2039		x			=	0
2040		x			=	0
2041		x			=	0
2042		x			=	0
2043					=	0
2044		x			=	0
2045		x			=	0
2046		x			=	0
2047		x			=	0
2048		x			=	0
2049		x			=	0
2050		x			=	0
2051		x			=	0
2052		x			=	0
2053		x			=	0
2054		x			=	0
2055		x			=	0
2056		x			=	0
2057		x			=	0
2058		x			=	0
2059		x			=	0
2060		x			=	0
2061		x			=	0
2062		x			=	0
2063		x			=	0
2064		x			=	0
2065		x			=	0
2066		x			=	0
2067		x			=	0
2068		x			=	0
2069		x			=	0
2070		x			=	0

Present value related to the year
2019
130.702.213,78

Suggested f-factor

Present value from charges from binding capacity requests related to the year	Present value from later charges and set aside capacity related to the year	Total present value related to the year
2019	2019	2019
222.885.413,50	130.702.213,78	353.587.627,28

=> Vorschlag f-Faktor aus Art. 23 NC CAM (1) a), c) und d) : 0,63

Result suggestion for f-factor from (a), (c) and (d) Present value from charges from binding capacity requests/Sum of present values from binding capacity requests and present value of revenue after the period of binding capacity requests and present value of income from the capacity set aside

Adjustment factor for Article 23(1)(b) NC CAM 1
Explanation: must be estimated and justified by network operator

Suggested f-factor 0,63