

a) Present value of binding commitments of network users for contracting capacity

(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

(please only fill out the yellow fields in columns C, F and G, please delete values in grey fields in columns C, F and G)

Amount of contracted incremental capacity		Sum of estimated reference prices and a potential auction premium and a potential mandatory minimum premium				Result
		x				=
Year	Amount of contracted incremental capacity 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 €
2019	0	x	3,4020			0,00
2020	0	x	3,4020			0,00
2021	0	x	3,4020			0,00
2022	0	x	3,4020			0,00
2023	0	x	3,4020			0,00
2024	0	x	3,4020			0,00
2025	0	x	3,4020			0,00
2026	400,000	x	3,4020		10,5090	5,564,400,00
2027	1,600,000	x	3,4020		10,5090	22,257,600,00
2028	1,600,000	x	3,4020		10,5090	22,257,600,00
2029	1,600,000	x	3,4020		10,5090	22,257,600,00
2030	1,600,000	x	3,4020		10,5090	22,257,600,00
2031	1,600,000	x	3,4020		10,5090	22,257,600,00
2032	1,600,000	x	3,4020		10,5090	22,257,600,00
2033	1,600,000	x	3,4020		10,5090	22,257,600,00
2034	1,600,000	x	3,4020		10,5090	22,257,600,00
2035	1,600,000	x	3,4020		10,5090	22,257,600,00
2036	1,600,000	x	3,4020		10,5090	22,257,600,00
2037	1,600,000	x	3,4020		10,5090	22,257,600,00
2038	1,600,000	x	3,4020		10,5090	22,257,600,00
2039	1,600,000	x	3,4020		10,5090	22,257,600,00
2040	1,600,000	x	3,4020		10,5090	22,257,600,00
2041	1,200,000	x	3,4020		10,5090	16,693,200,00
2042	0	x	3,4020			0,00
2043	0	x	3,4020			0,00
2044	0	x	3,4020			0,00
2045	0	x	3,4020			0,00
2046	0	x	3,4020			0,00
2047	0	x	3,4020			0,00
2048	0	x	3,4020			0,00
2049	0	x	3,4020			0,00
2050	0	x	3,4020			0,00
2051	0	x	3,4020			0,00
2052	0	x	3,4020			0,00
2053	0	x	3,4020			0,00
2054	0	x	3,4020			0,00
2055	0	x	3,4020			0,00
2056	0	x	3,4020			0,00
2057	0	x	3,4020			0,00
2058	0	x	3,4020			0,00
2059	0	x	3,4020			0,00
2060	0	x	3,4020			0,00
2061	0	x	3,4020			0,00
2062	0	x	3,4020			0,00
2063	0	x	3,4020			0,00
2064	0	x	3,4020			0,00
2065	0	x	3,4020			0,00
2066	0	x	3,4020			0,00
2067	0	x	3,4020			0,00
2068	0	x	3,4020			0,00
2069	0	x	3,4020			0,00
2070	0	x	3,4020			0,00
2071	0	x	3,4020			0,00
2072	0	x	3,4020			0,00
2073	0	x	3,4020			0,00
2074	0	x	3,4020			0,00
2075	0	x	3,4020			0,00
2076	0	x	3,4020			0,00
2077	0	x	3,4020			0,00
2078	0	x	3,4020			0,00
2079	0	x	3,4020			0,00
2080	0	x	3,4020			0,00
2081	0	x	3,4020			0,00
2082	0	x	3,4020			0,00
2083	0	x	3,4020			0,00
2084	0	x	3,4020			0,00
2085	0	x	3,4020			0,00
2086	0	x	3,4020			0,00
2087	0	x	3,4020			0,00
2088	0	x	3,4020			0,00
2089	0	x	3,4020			0,00
2090	0	x	3,4020			0,00
2091	0	x	3,4020			0,00
2092	0	x	3,4020			0,00
2093	0	x	3,4020			0,00
2094	0	x	3,4020			0,00
2095	0	x	3,4020			0,00
2096	0	x	3,4020			0,00
2097	0	x	3,4020			0,00
2098	0	x	3,4020			0,00
2099	0	x	3,4020			0,00
2100	0	x	3,4020			0,00
2101	0	x	3,4020			0,00
2102	0	x	3,4020			0,00
2103	0	x	3,4020			0,00

(ii) Sum of a potential auction premium and a potential mandatory minimum premium multiplied by the amount of available capacity that was contracted in combination with the incremental capacity

(please only fill out the yellow fields in columns L, N and O, please delete values in grey fields in columns L, N and O)

	Amount of available capacity that was contracted in combination with the incremental capacity	x	Sum of potential auction premium and potential mandatory minimum premium	=	Result
Year	Amount of available capacity that was contracted in combination with the incremental capacity in kWh/h/a	x	Auction premium in €/kWh/h/a	Minimum premium in €/kWh/h/a	Result in €
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		x			= 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
2071		x			= 0
2072		x			= 0
2073		x			= 0
2074		x			= 0
2075		x			= 0
2076		x			= 0
2077		x			= 0
2078		x			= 0
2079		x			= 0
2080		x			= 0
2081		x			= 0
2082		x			= 0
2083		x			= 0
2084		x			= 0
2085		x			= 0
2086		x			= 0
2087		x			= 0
2088		x			= 0
2089		x			= 0
2090		x			= 0
2091		x			= 0
2092		x			= 0
2093		x			= 0
2094		x			= 0
2095		x			= 0
2096		x			= 0
2097		x			= 0
2098		x			= 0
2099		x			= 0
2100		x			= 0
2101		x			= 0
2102		x			= 0
2103		x			= 0

Overall result

[illegible]

Present value related to the year

	197.329.462,27
--	----------------

Present values related to year of binding capacity request in €

[illegible]

b) Present value of the estimated increase in the allowed revenue of the TSO associated with the incremental capacity included in the respective offer level

Year	Overall costs p €
------	----------------------

2019	
2020	
2021	66.1
2023	391.9
2024	3 180.0
2025	8 384.0
2026	16 440.0
2027	16 069.0
2028	16 069.0
2029	15 879.0
2030	15 680.0
2031	15 500.0
2032	15 310.0
2033	15 120.0
2034	14 931.0
2035	14 741.0
2036	14 551.0
2037	14 361.0
2038	14 172.0
2039	13 982.0
2040	13 792.0
2041	13 603.0
2042	9 163.0
2043	8 973.0
2044	8 783.0
2045	8 594.0
2046	8 404.0
2047	8 214.0
2048	8 024.0
2049	7 834.0
2050	5 213.0
2051	4 190.0
2052	4 118.0
2053	4 046.0
2054	3 974.0
2055	3 903.0
2056	3 831.0
2057	3 759.0
2058	3 687.0
2059	3 616.0
2060	3 544.0
2061	3 472.0
2062	3 400.0
2063	3 329.0
2064	3 257.0
2065	3 185.0
2066	3 113.0
2067	3 041.0
2068	2 970.0
2069	2 782.0
2070	2 595.0
2071	2 411.0
2072	2 235.0
2073	2 291.0
2074	2 229.0
2075	2 167.0
2076	2 104.0
2077	2 042.0
2078	1 980.0
2079	1 917.0
2080	1 855.0
2081	
2082	
2083	
2084	
2085	
2086	
2087	
2088	
2089	
2090	
2091	
2092	
2093	
2094	
2095	
2096	
2097	
2098	
2099	
2100	
2101	
2102	
2103	

c) f-factor

f-factor	
----------	--

Worksheet f-factor is suggestion; alternatively please delete, enter own value and reasoning

Result: b) x c)

Result

100

Economic test

Passed?

JA

[illegible]

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 after the period of binding capacity request/ from the set aside capacity	x	Sum of estimated reference prices and a potential auction premium			Result	=	Result in €
Year	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 €
2019	0	x	3.4020			=		0.00
2020	0	x	3.4020			=		0.00
2021	0	x	3.4020			=		0.00
2022	0	x	3.4020			=		0.00
2023	0	x	3.4020			=		0.00
2024	0	x	3.4020			=		0.00
2025	0	x	3.4020			=		0.00
2026	0	x	3.4020			=		0.00
2027	0	x	3.4020			=		0.00
2028	0	x	3.4020			=		0.00
2029	0	x	3.4020			=		0.00
2030	0	x	3.4020			=		0.00
2031	0	x	3.4020			=		0.00
2032	0	x	3.4020			=		0.00
2033	0	x	3.4020			=		0.00
2034	0	x	3.4020			=		0.00
2035	0	x	3.4020			=		0.00
2036	0	x	3.4020			=		0.00
2037	0	x	3.4020			=		0.00
2038	0	x	3.4020			=		0.00
2039	0	x	3.4020			=		0.00
2040	0	x	3.4020			=		0.00
2041	0	x	3.4020			=		0.00
2042	0	x	3.4020			=		0.00
2043	0	x	3.4020			=		0.00
2044	0	x	3.4020			=		0.00
2045	0	x	3.4020			=		0.00
2046	0	x	3.4020			=		0.00
2047	0	x	3.4020			=		0.00
2048	0	x	3.4020			=		0.00
2049	0	x	3.4020			=		0.00
2050	0	x	3.4020			=		0.00
2051	0	x	3.4020			=		0.00
2052	0	x	3.4020			=		0.00
2053	0	x	3.4020			=		0.00
2054	0	x	3.4020			=		0.00
2055	0	x	3.4020			=		0.00
2056	0	x	3.4020			=		0.00
2057	0	x	3.4020			=		0.00
2058	0	x	3.4020			=		0.00
2059	0	x	3.4020			=		0.00
2060	0	x	3.4020			=		0.00
2061	0	x	3.4020			=		0.00
2062	0	x	3.4020			=		0.00
2063	0	x	3.4020			=		0.00
2064	0	x	3.4020			=		0.00
2065	0	x	3.4020			=		0.00
2066	0	x	3.4020			=		0.00
2067	0	x	3.4020			=		0.00
2068	0	x	3.4020			=		0.00
2069	0	x	3.4020			=		0.00
2070	0	x	3.4020			=		0.00
2071	0	x	3.4020			=		0.00
2072	0	x	3.4020			=		0.00
2073	0	x	3.4020			=		0.00
2074	0	x	3.4020			=		0.00
2075	0	x	3.4020			=		0.00
2076	0	x	3.4020			=		0.00
2077	0	x	3.4020			=		0.00
2078	0	x	3.4020			=		0.00
2079	0	x	3.4020			=		0.00
2080	0	x	3.4020			=		0.00
2081	0	x	3.4020			=		0.00
2082	0	x	3.4020			=		0.00
2083	0	x	3.4020			=		0.00
2084	0	x	3.4020			=		0.00
2085	0	x	3.4020			=		0.00
2086	0	x	3.4020			=		0.00
2087	0	x	3.4020			=		0.00
2088	0	x	3.4020			=		0.00
2089	0	x	3.4020			=		0.00
2090	0	x	3.4020			=		0.00
2091	0	x	3.4020			=		0.00
2092	0	x	3.4020			=		0.00
2093	0	x	3.4020			=		0.00
2094	0	x	3.4020			=		0.00
2095	0	x	3.4020			=		0.00
2096	0	x	3.4020			=		0.00
2097	0	x	3.4020			=		0.00
2098	0	x	3.4020			=		0.00
2099	0	x	3.4020			=		0.00
2100	0	x	3.4020			=		0.00
2101	0	x	3.4020			=		0.00
2102	0	x	3.4020			=		0.00
2103	0	x	3.4020			=		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 after the period of binding capacity requests	x	Potential auction premium			Result	=	Result in €	Overall result in €	Present values related to year of binding capacity request in €
Year	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 €	Overall result in €	Present values related to year of binding capacity request in €
2019		x			=			0	0.00	0.00
2020		x			=			0	0.00	0.00
2021		x			=			0	0.00	0.00
2022		x			=			0	0.00	0.00
2023		x			=			0	0.00	0.00
2024		x			=			0	0.00	0.00
2025		x			=			0	0.00	0.00
2026		x			=			0	0.00	0.00
2027		x			=			0	0.00	0.00
2028		x			=			0	0.00	0.00
2029		x			=			0	0.00	0.00
2030		x			=			0	0.00	0.00
2031		x			=			0	0.00	0.00
2032		x			=			0	0.00	0.00
2033		x			=			0	0.00	0.00
2034		x			=			0	0.00	0.00
2035		x			=			0	0.00	0.00
2036		x			=			0	0.00	0.00
2037		x			=			0	0.00	0.00
2038		x			=			0	0.00	0.00
2039		x			=			0	0.00	0.00
2040		x			=			0	0.00	0.00
2041		x			=			0	0.00	0.00
2042		x			=			0	0.00	0.00
2043		x			=			0	0.00	0.00
2044		x			=			0	0.00	0.00
2045		x			=			0	0.00	0.00
2046		x			=			0	0.00	0.00
2047		x			=			0	0.00	0.00
2048		x			=			0	0.00	0.00
2049		x			=			0	0.00	0.00
2050		x			=			0	0.00	0.00
2051		x			=			0	0.00	0.00
2052		x			=			0	0.00	0.00
2053		x			=			0	0.00	0.00
2054		x			=			0	0.00	0.00
2055		x			=			0	0.00	0.00
2056		x			=			0	0.00	0.00
2057		x			=			0	0.00	0.00
2058		x			=			0	0.00	0.00
2059		x			=			0	0.00	0.00
2060		x			=			0	0.00	0.00
2061		x			=			0	0.00	0.00
2062		x			=			0	0.00	0.00
2063		x			=			0	0.00	0.00
2064		x			=			0	0.00	0.00
2065		x			=			0	0.00	0.00
2066		x			=			0	0.00	0.00
2067		x			=			0	0.00	0.00
2068		x			=			0	0.00	0.00
2069		x			=			0	0.00	0.00
2070		x			=			0	0.00	0.00
2071		x			=			0	0.00	0.00
2072		x			=			0	0.00	0.00
2073		x			=			0	0.00	0.00
2074		x			=			0	0.00	0.00
2075		x			=			0	0.00	0.00
2076		x			=			0	0.00	0.00
2077		x			=			0	0.00	0.00
2078		x			=			0	0.00	0.00
2079		x			=			0	0.00	0.00
2080		x			=			0	0.00	0.00
2081		x			=			0	0.00	0.00
2082		x			=			0	0.00	0.00
2083		x			=			0	0.00	0.00
2084		x			=			0	0.00	0.00
2085		x			=			0	0.00	0.00
2086		x			=			0	0.00	0.00
2087		x			=			0	0.00	0.00
2088		x			=			0	0.00	0.00
2089		x			=			0	0.00	0.00
2090		x			=			0	0.00	0.00
2091		x			=			0	0.00	0.00
2092		x			=			0	0.00	0.00
2093		x			=			0	0.00	0.00
2094		x			=			0	0.00	0.00
2095		x			=			0	0.00	0.00
2096		x			=			0	0.00	0.00
2097		x			=			0	0.00	0.00
2098		x			=			0	0.00	0.00
2099		x			=			0	0.00	0.00
2100		x			=			0	0.00	0.00
2101		x			=			0	0.00	0.00
2102		x			=			0	0.00	0.00
2103		x			=			0	0.00	0.00

Present value related to the year
2021

-

Present values related to year of binding capacity request in €

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
2021	2021	2021
197.329.462,27	-	197.329.462,27

=> Proposal f-Factor Art. 23 NC CAM (1) a), c) und d) : 1,00

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 1,00