Use case 4 New Built

Prequalification & Auction processes

15.03.2021





This document provides different fictive examples, so-called use cases, related to the Capacity Remuneration Mechanism being developed in Belgium. It has, as sole purpose, to explain the Functioning Rules and the functioning of the CRM IT Interface by means of examples.

The use cases developed in this document are based on the chapters **Prequalification Process** & **Auction Process** of the Functioning Rules of the Capacity Remuneration Mechanism published in **November 2020**.

By no means, the use cases replace the rules in the relevant Laws, Royal Decrees, and regulatory approved documents.

The choices in the examples are only made for **illustrative** purposes and do not imply any judgement. All the figures and numbers used for these use cases are purely fictive. These numbers nor the use cases presented should be interpreted as representing a concrete case or a concrete situation of the Belgian capacity market or an implied proposal for any CRM parameter. The **timings** and the dates represented in the use cases are **not realistic**.

The **tool** is **still under construction**. Therefore, the wording used in the presented screenshots is not definitive (phrasing to review, errors in the use of capital letters, etc.) and some fields are still missing or erroneous. As announced in TF CRM of March 2, 2021, the submitted version of **Functioning Rules** is still being **challenged** by the CREG. This might also lead to minor changes in the Functioning Rules and therefore the CRM IT interface.

In addition to these theoretic use cases, the CRM Candidate is invited to train itself via the **demo platforms** where he will be able to develop tailored use cases in the prequalification **test** module and the auction test module.

ELIA also also welcomes any feedbacks on the CRM IT Interface \rightarrow <u>customer.crm@elia.be</u>







1. The customer and its asset(s)





- EnergyProducer is a company considering to **build a new power plant** (OCGT/CCGT) on a site **located in Belgium**
- EnergyProducer is investigated 3 configurations for this site:
 - → 3 EDS studies have been requested to ELIA
 - → 3 production licenses have been requested to FPS Economy
 - → 3 firm gas connections have been requested to Fluxys







- The site is directly **connected to the TSO** gird
- The OCGT/CCGT produces electricity
- EnergyProducer has no obligation to prequalify the OCGT/CCGT (cf. article 7undecies §14 alinea 1er of the Electricity Act)

GT1

GT2

- To participate in the 2021 Y-4 Auction, EnergyProducer decides to prequalify 5 CMUs:
 - → Configuration 1 consists in the 3 Linked CMUs: CMU1 (GT1), CMU2 (GT2) & CMU3 (ST)
 - → Configuration 2 consists in 1 CMU: CMU4 (GT1) GT1 ~ ----
 - → Configuration 3 consists in 1 CMU: CMU5 (GT2) $_{\text{GT2}}$ \sim ----- \sim ϕ_{ϕ}
- The installation of a metering devices on each turbine is an obligation for all configuration because each turbine excesses the threshold related to the Daily Schedule obligation

\bigcirc 1. The customer and its asset(s)

		Configuration 1		Configuration 2	Configuration 3
	CMU1 – CMU-2WpLt	CMU2 – CMU-2WrdO	CMU3 – CMU-2Wrfw	CMU4 – CMU-2Wrm8	CMU5 – CMU-2Wro1
		Com	pany information:		
			 Owner: EnergyProducer Location: Belgium Connection: TSO grid 		
Prequalification parameters:					
СМU	 Additional CMU1: Additional DP1 CMU1: Individual CMU 	 Additional CMU2: Additional DP2 CMU2: Individual CMU 	 Additional CMU3: Additional DP3 CMU3: Individual CMU 	 Additional CMU4: Additional DP4 CMU4: Individual CMU 	 Additional CMU5: Additional DP5 CMU5: Individual CMU
Technology	CCGT	CCGT	CCGT	OCGT	OCGT
Volumes	Declared Nominal reference power of DP2: 350 MW	Declared Nominal reference power of DP2: 350 MW	Declared Nominal reference power of DP3: 300 MW	Declared Nominal reference power of DP4: 350 MW	Declared Nominal reference power of DP5: 350 MW
Investment file		Investment file foreseen		Investment file foreseen	Investment file foreseen
		Auc	tion parameters:		
Grid constraints	Subject to grid constraints	Subject to grid constraints	Subject to grid constraints	Subject to grid constraints	Subject to grid constraints
Auction	Participate to 2021 Y-4 Auction	Participate to 2021 Y-4 Auction	Participate to 2021 Y-4 Auction	Participate to 2021 Y-4 Auction	Participate to 2021 Y-4 Auction
Expected contract duration		15 years		15 years	15 years 7

A= 1. The customer and its asset(s)

- CMU1, CMU2, CMU3, CMU4 & CMU5 are subject to a Daily Schedule obligation (NRP of the DPs > 25 MW & TSO-connected)
- The technology of CMU1, CMU2, CMU3, CMU4 & CMU5 is not energy-limited
- CMU1, CMU2 & CMU3 forms a CCGT
 - → Category II
 - → Sub-category: CCGT
 - → Derating Factor: 91%
- CMU4 forms an OCGT

→ Category II

- → Sub-category: OCGT
- → Derating Factor: 90%
- CMU5 forms an OCGT

→ Category II

- → Sub-category: OCGT
- → Derating Factor: 90%

Category I:	SLA
Sub-Category	Derating Factor [%]
SLA-1h	11
SLA-2h	19
SLA-3h	28
SLA-4h	36
SLA-6h	52
SLA-8h	65
SLA unlimited	100
Category II: Thermal technolog	ies with daily schedule
Sub-Category	Derating Factor [%]
CCGT	91
OCGT	90
Turbojets	96
IC Gas Engines	95
IC Diesel Engines	93
СНР	93
Biomass	93
Waste	93
Nuclear	96
Coal	90
Category III: Energy-limited techno	ologies with daily schedule
Sub-Category	Derating Factor [%]
Large-scale storage	11
PSP	19
Category IV: Weather-depe	ndent technologies
Sub-Category	Derating Factor [%]
Offshore Wind	15
Onshore Wind	6
Solar	4
Hydro Run-of-River	34
Category V: Thermal DSO- or CDS- connected	l technologies without daily <u>schedule</u>
Sub-Category	Derating Factor [%]
Aggregated thermal technologiesd	62

8

Indicative values of the calibration report of ELIA published in December 2020



2. Rules & Terminology applicable





The reference document used by ELIA for the Use Case is the *Functioning Rules of the Capacity Remuneration Mechanism* published on 13/11/2020

Prequalification Process	Financial Security	Auction Process	Capacity Contract signature
 Terminology: Chapter 3 & section 5.2 Eligibility conditions: Sections 5.3.1 & 5.3.2 Prequalification File requirements: Section 5.4.1.1 Prequalification review process: Sections 5.5.1 & 5.5.2 Volumes determination: Sections 5.6.1.1.2, 5.6.1.1.3, 5.6.2, 5.6.3 & 5.6.4.1 Prequalification results notification: Section 5.7.1 	• Financial Security: Chapter 10	 Bid: Section 6.3.1 & 6.3.2.1 Bid price: Section 6.3.2.1.1 Bid volume: Section 6.3.2.1.2 Capacity contract duration: Section 6.3.2.1.3 Linked bids: Section 6.3.2.2 Mutually exclusive bids: Section 6.3.2.1.3 Mutually exclusive bids: Section 6.3.2.1.3 Mutually exclusive bids: Section 6.3.1 	Capacity Contract signature: Section 7.2.2



3. Application form & CRM IT Interface access



3. Application form & CRM IT Interface access | Application form



3. Application form & CRM IT Interface access | Application form



Welcome to the access portal of ACC

TODO generic app description EN

Image: Already have an account ?Image: No account ?Sign in to AdeMar directlySubmit your in get an accourt ?

No account yet ? Submit your information and get an account



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3. Application form & CRM IT Interface access | Application form

Dear,

Your request was sent on 04/03/2021 15:19. We will now verify and validate it. This will take maximum 5 working days.

Dear,

Your Application Form has been approved. Please find your user ID and password below:

User ID: ISOEXT\CRM000001018

Password: 9dhnhSohJi3jNbySmNohqw==

3. Application form & CRM IT Interface access | Compliance checks



Compliance Checks

Please read and indicate your acknowledgment with the following legal documents before using this application.

You are allowed to go through the standard, the specific and/or the fast track Prequalification Process with your CMU(s)

Compliancy checks for participation to a fast track Prequalification Process:

Functioning Rules for fast track Prequalification Process



Compliancy checks for participation to a standard or a specific Prequalification Process:

Functioning Rules

Acknowledgment of the Functioning Rules for the Capacity Remuneration Mechanism (this include the functioning rules related to the fast track ...

Capacity Contract

Acknowledgment of the Capacity Contract conditions in case of Contracted Capacity for the forthcoming Auction

Eligibility criteria

The compliance of each Delivery Point with the eligibility criteria, as defined in the Electricity Act (cr. Art 7 undercies \$4, 1*, 2* and 3*) and ...

Production license requirements

The compliance of each Delivery Point with an Existing status with the production license requirements as defined in article 4 of the Electricity Act

Maximal CO2 mission thresholds

The compliance of each Delivery Point with an Existing status with the maximal CO2 emission thresholds set by the Regulation (EU) 2019/943

Legal and regulatory framework

The compliance of each Delivery Point with any other relevant legal and regulatory framework

4



4. Prequalification Process







4. Prequalification Process | Prequalification File creation

≡	Prequalification File(s) ACC					+ NEW СМИ
A Home	CMUs 2				Q Search CMU ID	
Dossier(s) de Préquali			NO FILTER			
	ID	⊽ STATUS	₩ PROCESS			TE
	KCMU-2QLrV	() Savec		18/2/2021, 17:40:41	-	
	FT-2QNac	Add a new CMU	×	18/2/2021, 19:41	-	
		Which Prequalification Process	s do you want to start?			
		Standard Prequalication For Existing CMUs or Addit	n Process tional CMUs			
		O Fast track Prequalication For Existing CMUs	n Process			
		O Specific Prequalication For Virtual CMUs (Unprove	Process en Capacity)			
			SAVE NEW CMU			
SM Sybille Mette SM Company						
				CMU 3	CMU 4	







4. Prequalification Process | Prequalification File creation

Delivery Point information

 Delivery Point Details 2 Delivery Point Details Additional Deliver Foint Details

STEP 1

Basic Delivery Point details

BASIC DELIVERY POINT DETAILS

Type of Delivery Point *

- TSO connected
- DSO connected
- CDS connected (TSO grid)
- CDS connected (DSO grid)

Status of the Delivery Point *

Additional

Existing

EAN code of the Delivery Point

NB: The access of the DP ID is still under construction in the CRM IT Interface.

For this use case, we considered that the ID of the DP are:

- « DP1 » for the DP included in CMU1 •
- « DP2 » for the DP included in CMU2 •
- « DP3 » for the DP included in CMU3 •
- « DP4 » for the DP included in CMU4 ٠
- « DP5 » for the DP included in CMU5 ٠

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/		

STEP 2

DP1

Delivery Point Details

DELIVERY POINT DETAILS

EAN code of the Access Point

Single lin...iagram.pdf (178.6 kB)

Delivery Point name *

Single line diagram *

Technology *

2 Delivery Point Details elivery Point Details

Additional Delivery Point Details



Oelivery Point Details Delivery Point Details Additional Delivery Point Details

CMU 4

STEP 3

Additional Delivery Point Details

ADDITIONAL DELIVERY POINT DETAILS

Declared Nominal Reference Power (in MW) *

350.00

Existing connection capacity (in MW) *

CMU 3

0.00

 \times

CMU 2

Information related to the production permit

Production...icense.pdf (178.6 kB)

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CML

Combined Cycle Gas Turbine Add the ID of the linked capacities DP2 / 📋 DP3 / 📋 + ADD THE DELIVERY POINT'S ID

Agreement between Belgian member State and Adjacent Member State

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CMU 1

Declaration by the Eligible Direct Foreign Capacity Holder

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Declaration by the Adjacent Member State

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	4 Pregualification Process	Pregualification File creation
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Delivery Point information

2 Delivery Point Details

1 Delivery Point Details

3 Additional Deliver Point Details

STEP 1

Basic Delivery Point details

BASIC DELIVERY POINT DETAILS

Type of Delivery Point *

TSO connected

DSO connected

CDS connected (TSO grid)

CDS connected (DSO grid)

Status of the Delivery Point *

Additional

Existing

EAN code of the Delivery Point

NB: The access of the DP ID is still under construction in the CRM IT Interface.

For this use case, we considered that the ID of the DP are:

- « DP1 » for the DP included in CMU1 •
- « DP2 » for the DP included in CMU2 •
- « DP3 » for the DP included in CMU3 •
- « DP4 » for the DP included in CMU4 ٠
- « DP5 » for the DP included in CMU5 ٠

\sim	Delivery	Poll

2 Delivery Point Details 3 Additional Delivery Point Details int Details



Delivery Point Details

DELIVERY POINT DETAILS

Delivery Point name *

DP2

EAN code of the Access Point

ingle line diag	ram *	
E Single lin.	iagram.pdf (178.6 kB)	
echnology *		

DP1	/
DP3	/ 1
	+ ADD THE DELIVERY POINT'S ID

Agreement between Belgian member State and Adjacent Member State

E

Declaration by the Eligible Direct Foreign Capacity Holder

E

Declaration by the Adjacent Member State

E



CMU 4

STEP 3

Additional Delivery Point Details

ADDITIONAL DELIVERY POINT DETAILS

Declared Nominal Reference Power (in MW) *

350.00

Existing connection capacity (in MW) *

0.00

Information related to the production permit

CMU 3

Production...icense.pdf (178.6 kB)

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CMU

CMU 2

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CMU

Delivery Point information

Delivery Point Details — 2 Delivery Point Details

3 Additional Deliv, Point Details

STEP 1

Basic Delivery Point details

BASIC DELIVERY POINT DETAILS

Type of Delivery Point *

TSO connected

DSO connected

CDS connected (TSO grid)

CDS connected (DSO grid)

Status of the Delivery Point *

Additional

Existing

EAN code of the Delivery Point

NB: The access of the DP ID is still under construction in the CRM IT Interface.

For this use case, we considered that the ID of the DP are:

- « DP1 » for the DP included in CMU1
- « DP2 » for the DP included in CMU2
- « DP3 » for the DP included in CMU3
- « DP4 » for the DP included in CMU4
- « DP5 » for the DP included in CMU5

STEP 2

Delivery Point Details

DELIVERY POINT DETAILS

Oelivery Point Details

Delivery Point name *

DP3

EAN code of the Access Point

Single line diagram *

Single lin...iagram.pdf (178.6 kB)

Technology *

E

Combined Cycle Gas Turbine

2 Delivery Point Details

3 Additional Delivery Point Details

Add the ID of the linked capacities			
DP1		/	ī
DP2		/	
]		

Agreement between Belgian member State and Adjacent Member State

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Declaration by the Eligible Direct Foreign Capacity Holder

Declaration by the Adjacent Member State



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🥑 Delivery Point Details — 🥑 Delivery Point Details — (3 Additional Delivery Po
STEP 3	
Additional Delivery Point Details	
ADDITIONAL DELIVERY POINT DETAILS	
Declared Nominal Reference Power (in MW) *	
300.00	
Existing connection capacity (in MW) *	
0.00	
Information related to the production permit	
Production, icense pdf	

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CML

, , , , , , , , , , , , , , , , , , ,	🥑 Delivery Point Details — 2 Delivery Point Details — ③ Addi	tional Delivery Point Details		
	STEP 2 Delivery Point Details			
	DELIVERY POINT DETAILS			
	Delivery Point name *			
f 1 Delivery Point Details — (2) Delivery Point Details — (3) Additional Delivery Point Details	DP4		🥑 Delivery Point Details — 🥑 Delivery Point Details — A	ditional Delivery Point Details
STEP 1	EAN code of the Access Point		STEP 3	
Basic Delivery Point details			Additional Delivery Point Details	
BASIC DELIVERY POINT DETAILS	Single line diagram *		ADDITIONAL DELIVERY POINT DETAILS	
Type of Delivery Point *	Single liniagram.pdf (178.6 kB)	×	Declared Nominal Reference Power (in MW) *	
TSO connected			350.00	
DSO connected	Technology *			
CDS connected (TSO grid)	Open Cycle Gas Turbine	-	Existing connection capacity (in MW) *	
CDS connected (DSO grid)			0.00	
tatus of the Delivery Daint *	Add the ID of the linked capacities			
	No Delivery Point yet			
) Existing	+ ADD	HE DELIVERY POINT'S ID	E Productionicense.pdf (178.6 kB)	X
AN code of the Delivery Point				
	Agreement between Belgian member State and Adjacent Member State			
	E			
	Declaration by the Eligible Direct Foreign Capacity Holder			
	-+			

24 CMU 5

CMU 4

Donvory i onic information	Delivery Point Details — 2 Delivery Point Details —	3 Additional Delivery Point Details			
	step 2 Delivery Point Details				
	DELIVERY POINT DETAILS				
	Delivery Point name *				
ivery Point Details — (2) Delivery Point Details — (3) Additional Delivery Point Details	DP5		🤣 Delivery Point Details — 🤤	Delivery Point Details	Additional Delivery Point Detai
	EAN code of the Access Point		STEP 3		
Delivery Point details			Additional Delivery P	oint Details	
benvery i entractane				All S	
ELIVERY POINT DETAILS	Single line diagram *		Declared Naminal Reference Rev	vor (in MM) *	
Delivery Point *	Single liniagram.pdf (178.6 kB)	×			
D connected			550.00		
O connected	Technology *		Existing connection capacity (in N	1W) *	
S connected (TSO grid)	Open Cycle Gas Turbine	•	0.00		
S connected (DSO grid)					
f the Delivery Point *	Add the ID of the linked capacities		Information related to the product	ion permit	
litional	No Delivery Point yet		Froductionicense.pdf (17	8.6 kB)	×
ting		+ ADD THE DELIVERY POINT'S ID			
le of the Delivery Point					
	Agreement between Belgian member State and Adjacent Memb	per State			
	Declaration by the Eligible Direct Foreign Capacity Holder				
	E				
	Declaration by the Adjacent Member State				
	nt				

4. Prequalification Process | Prequalification File creation

1 Step 1	2) Step 2	3 Step 3						
CMU DETAILS			Step 1	2 Step 2	3 Step 3			
PROJECT87506		Ŧ	Do you (intend to) have at least one A	Additional Delivery Point in your CMU? *		-		
EXISTING PROJECT IDS	+ REPLACE BY A NEW PROJECT ID		Yes		0			
Derating Factor *			INFORMATION FOR ADDITIONAL CMU					
Combined Cycle Gas Turbine		•	NRP Method 2 *		•			
			Project execution plan(s) *					
			Project execution plan Project execution plan.pdf	Expected start date 20/11/2021	× •			
			Project execution plan	Expected start date		Step 1	Step 2	3 Step 3
						OPT-OUT NOTIFICATION		
			Complementary document(s)			Delivery Period to which the Opt-	out Notification (for a Y-4 Auction) relate	es:
			+ UPLOAD NEW FILES	No file has	been added yet	2025-2026		
					+ ADD THE PLAN	Opt-out Volume (in MW) *		
						0.00		
			ID(s) of the related technical agreement	ent(s)		← BACK		SAVE 🗸
			No ID of technical agreement yet					
					+ ADD THE ID			
				CMU 1	CMU 2	CMU 3	CMU 4	

4. Prequalification Process | Prequalification File creation CMU information

1 Step 1	2) Step 2 3	Step 3			
CMU DETAILS					
Project ID		Step 1	2 Step 2	(3) Step 3	
Search Project ID	PROJECT87506	Do you (intend to) have at le	ast one Additional Delivery Point in your CMU	? *	-
PROJECT74385	🗞 EXISTING PROJECT IDS 🛛 🕂 REPLACE BY A NEW PROJECT	T ID Yes		0	
PROJECT87506					
			AL CMU		
		NRP Method 2 *			
Derating Factor *		NO		¥	
Combined Cycle Gas	Furbine	Project execution plan(s) *			
		Project execution plan Project execution plan.pdf	Expected start date 20/11/2021	/ 1	
		Project execution plan	Evported start	data	Step 1 Step 2 3 Step 2
				uale	
					OPT-OUT NOTIFICATION
		Complementary document	(\$)		Delivery Period to which the Opt-out Notification (for a Y-4 Auction) relates:
		+ UPLOAD NEW FILES	No fil	le has been added yet	2025-2026
					Opt-out Volume (in MW) *
				+ ADD THE PLAN	0.00
		ID(s) of the related technical	agreement(s)		← BACK
		No ID of technical agreement y	yet		
				+ ADD THE ID	
			CMU 1	CMU2	CMU 3 CMU 4 CMU 5

4. Prequalification Process | Prequalification File creation CMU information

1 Step 1	2 Step 2	(3) Step 3						
CMU DETAILS								
Project ID			Step 1	2 Step 2		3 Step 3		
PROJECT64528			Do you (intend to) have at least	one Additional Delivery Point i	n your CMU? *		_	
EXISTING PROJECT IDS	+ REPLACE BY A NEW PROJECT ID		Yes			0		
Derating Factor *			INFORMATION FOR ADDITIONAL	СМИ				
Open Cycle Gas Turbine		-	NRP Method 2 *					
			No			-		
			Project execution plan(s) *					
			Project execution plan Project execution plan.pdf	Expected 20/11/20	d start date 21	. •	Step 1	Step 3
			Project execution plan	Ex	pected start date			
			E	[1	3		OPT-OUT NOTIFICATION	
			Complementary desument/s)				Delivery Period to which the Opt-out Notification (for a Y-4 Auction)) relates:
			+ UPLOAD NEW EILES		No file has been a	dded vet	2025-2026	
					No ne na been a	uucu yor	Opt-out Volume (in MW) *	
					+ ADD	THE PLAN	0.00	
			ID(s) of the related technical age	reement(s)			← BACK	SAVE 🗸
			No ID of technical agreement yet					
					+ AD	D THE ID		
				CMU	1 C	CMU 2	CMU 3 CMU 4	CMU 5

4. Prequalification Process | Prequalification File creation CMU information 0-1210 1 Step 1 2 Step 2 3 Step 3 CMU DETAILS C Step 1 2 Step 2 3 Step 3 Project ID PROJECT53297 Î Do you (intend to) have at least one Additional Delivery Point in your CMU? * 0 Yes EXISTING PROJECT IDS + REPLACE BY A NEW PROJECT ID INFORMATION FOR ADDITIONAL CMU Derating Factor * NRP Method 2 * Open Cycle Gas Turbine

Project execution plan(s) *	
Project execution plan	Expected start date
Project execution plan.pdf	20/11/2021

Expected start date Project execution plan E

Complementary document(s)

ID(s) of the related technical agreement(s)

No ID of technical agreement yet

-

No

+ UPLOAD NEW FILES

CMU

Opt-out Volume (in MW) *

OPT-OUT NOTIFICATION

Step 1

2025-2026

0.00
← BACK

Step 2



3 Step 3

+ ADD THE ID

/ 1

No file has been added yet

+ ADD THE PLAN





CMU 2

Delivery Period to which the Opt-out Notification (for a Y-4 Auction) relates:

CMU 4

口, **4. Prequalification Process** | Financial Security submission

- As EnergyProducer prequalifies 5 Additional CMUs for 3 configurations, it is not mandatory to provide 5 Financial Securities.
- Only 3 Financial Securities are sufficient:
 - One Financial Security for the GT1
 - One Financial Security for the GT2
 - One Financial Security for the ST
- The Financial Security for the GT1 is to cover the highest Secured Amount among the two concerned CMUs (CMU1 & CMU4)
 - $= Max(Secured amount_{CMU1}; Secured amount_{CMU2}) = Max(20.000 \frac{EUR}{MW} \times 350MW \times 0,91; 20.000 \frac{EUR}{MW} \times 350MW \times 0,9)$ = Max(6.370.000 EUR; 6.300.000 EUR) = 6.370.000 EUR
- The Financial Security for the GT2 is to cover the highest Secured Amount among the two concerned CMUs (CMU2 & CMU5)

 $= Max(Secured \ amount_{CMU1}; Secured \ amount_{CMU2}) = Max(20.000 \frac{EUR}{MW} \times 350MW \times 0, 91; 20.000 \frac{EUR}{MW} \times 350MW \times 0, 9)$ = Max(6.370.000 EUR; 6.300.000 EUR) = 6.370.000 EUR

CMU

• The Financial Security for the ST is to cover the Secured Amount of CMU3

$$= Secured \ amount_{CMU1} = 20.000 \frac{EUR}{MW} \times 300 MW \times 0,9 = 6.300.000 \ EUR$$

CMU

CMU 3

CMU 4

4. Prequalification Process | Financial Security submission

- For ELIA to approve your Prequalification File, a Financial Security is to be submitted before the submission of the Prequalification File itself.
- A Financial Security is to be provided for CMU1, CMU2 & CMU3 (cf. previous slide)

Upload new Financial security		Upload new Financial security			Upload new Financial securit	У	
Financial Security Type		Financial Security Type			Financial Security Type		
Bank Guarantee	•	Bank Guarantee		•	Bank Guarantee		•
Financial Security Form		Financial Security Form			Financial Security Form		
FS.pdf	×	FS.pdf		×	FS.pdf		×
CMU ID		CMU ID			CMU ID		
CMU-2WpLt	•	CMU-2WrdO		•	CMU-2Wrfw		•
Amount (€)		Amount (€)			Amount (€)		
6.370.000		6.370.000			6.300.000		
Expiry Date		Expiry Date			Expiry Date		
01/01/2027		01/01/2027			01/01/2027		
Bank		Bank			Bank		
BELFIOS	•	BELFIOS		•	BELFIOS		•
SUBMIT SUBMIT		SUBMIT	S CANCEL		SUBMIT	S CANCEL	
		_					31
			CMLL1	CMIL2			CMU 5

4. Prequalification Process | Prequalification File submission



CMU 1 ____ CMU 2

CMU 3

CMU 4

CMU

口, **4. Prequalification Process** | Prequalification File submission





4. Prequalification Process | Prequalification File submission



Dear,

Your CMU with ID CMU-2Wrm8 has been submitted.

Elia will inform you within the next 20 working days whether the CMU is approved or rejected.



Dear,

Your CMU with ID CMU-2Wro1 has been submitted.

Elia will inform you within the next 20 working days whether the CMU is approved or rejected.



4. Prequalification Process | Investment file



4. Prequalification Process | Prequalification review process

Dear,	Dear,	Dear,	
Your CMU with ID CMU-2WpLt has been approved.	Your CMU with ID CMU-2WrdO has been approved.	Your CMU with ID CMU-2Wrfw has been approved.	
The volume(s) determination process will now start.	The volume(s) determination process will now start.	The volume(s) determination process will now start.	
An e-mail will follow with the results of this determination within maximum 10 working days starting from this notification.	An e-mail will follow with the results of this determination within maximum 10 working days starting from this notification.	An e-mail will follow with the results of this determination within maximum 10 working days starting from this notification.	

Dear,	Dear,
Your CMU with ID CMU-2Wrm8 has been approved.	Your CMU with ID CMU-2Wro1 has been approved.
The volume(s) determination process will now start.	The volume(s) determination process will now start.
An e-mail will follow with the results of this determination within maximum 10 working days starting from this notification.	An e-mail will follow with the results of this determination within maximum 10 working days starting from this notification.

CMU 1

CMU 2

CMU 3

CMU 4

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CMU 5

CMU-2WpLt	O Approved	Standard Prequalication Process
CMU-2WrdO	⊘ Approved	Standard Prequalication Process
CMU-2Wrfw	⊘ Approved	Standard Prequalication Process
CMU-2Wrm8	⊘ Approved	Standard Prequalication Process
CMU-2Wro1	⊘ Approved	Standard Prequalication Process
CMU-2XCWY	⊘ Approved	Standard Prequalication Process

4. Prequalification Process | Prequalification results notification

Dear,	Dear,	Dear,
Your Additional CMU with CMU ID CMU-2WpLt has been prequalified on	Your Additional CMU with CMU ID CMU-2WrdO has been prequalified on	Your Additional CMU with CMU ID CMU-2Wrfw has been prequalified on
09/03/2021 21:48:24 It corresponds to your Prequalification File approval date	09/03/2021 21:48:15. It corresponds to your Prequalification File approval date	09/03/2021 21:48:10. It corresponds to your Prequalification File approval date
 Please find the prequalification results below: Nominal Reference Power: 350 MW Reference Power: 350 MW Opt-out Volume: 0 MW Eligible Volume: 318,5 MW Due date for the first quarterly report that is to be sent to Elia (in case of awarded volume at forthcoming Auction): 01/01/2022 01:00:00 	 Please find the prequalification results below: Nominal Reference Power: 350 MW Reference Power: 350 MW Opt-out Volume: 0 MW Eligible Volume: 318,5 MW Due date for the first quarterly report that is to be sent to Elia (in case of awarded volume at forthcoming Auction): 01/01/2022 01:00:00 	 Please find the prequalification results below: Nominal Reference Power: 300 MW Reference Power: 300 MW Opt-out Volume: 0 MW Eligible Volume: 273 MW Due date for the first quarterly report that is to be sent to Elia (in case of awarded volume at forthcoming Auction): 01/01/2022 01:00:00

Dear,	Dear,
Your Additional CMU with CMU ID CMU-2Wrm8 has been prequalified on	Your Additional CMU with CMU ID CMU-2Wro1 has been prequalified on
09/03/2021 21:48:02. It corresponds to your Prequalification File approval date.	09/03/2021 21:47:46. It corresponds to your Prequalification File approval date.
 Please find the prequalification results below: Nominal Reference Power: 350 MW Reference Power: 350 MW Opt-out Volume: 0 MW Eligible Volume: 315 MW Due date for the first quarterly report that is to be sent to Elia (in case of awarded volume at forthcoming Auction): 01/01/2022 01:00:00 	 Please find the prequalification results below: Nominal Reference Power: 350 MW Reference Power: 350 MW Opt-out Volume: 0 MW Eligible Volume: 315 MW Due date for the first quarterly report that is to be sent to Elia (in case of awarded volume at forthcoming Auction): 01/01/2022 01:00:00





5. Auction Process



5. Auction | Bids conditions relevant to the present use case²



			Project 1		Project 2	Project 3	
		CMU 1	CMU 2	CMU 3	CMU 4	CMU 5	
Amount of bids	5	$0 \le n_{bids} \le 5$	$0 \le n_{bids} \le 5$	$0 \le n_{bids} \le 5$	$0 \le n_{bids} \le 5$	$0 \le n_{bids} \le 5$	
Bid price		0 ≤ Price _{bid} ≤ GPC ¹ The Bid Prices of the Bids related to the different CMUs of the CCGT that are linked shall be the same	0 ≤ Price _{bid} ≤ GPC ¹ The Bid Prices of the Bids related to the different CMUs of the CCGT that are linked shall be the same	0 ≤ Price _{bid} ≤ GPC ¹ The Bid Prices of the Bids related to the different CMUs of the CCGT that are linked shall be the same	0 ≤ Price _{bid} ≤ GPC ¹	0 ≤ Price _{bid} ≤ GPC ¹	
Bid volume		Volume _{bid} = 318,5 MW	Volume _{bid} = 318,5 MW	Volume _{bid} = 273 MW	Volume _{bid} = 315 MW	Volume _{bid} = 315 MW	
Capacity Contract Duration		1 ≤ Duration _{bid} ≤ 15 years	1 ≤ Duration _{bid} ≤ 15 years	1 ≤ Duration _{bid} ≤ 15 years	$1 \leq \text{Duration}_{\text{bid}} \leq 15 \text{ years}$	$1 \leq \text{Duration}_{\text{bid}} \leq 15 \text{ years}$	
Bids relationship	Linked bids		х				
	Mutually Exclusive			No constraint			





- EnergyProducer decides to offer Project 1 in 3 different ways, and only 1 for Projects 2 & 3.
- The outcome of the Auction clearing could be as follows:
 - None selected
 - 1 of 3 options for Project 1 selected
 - o Project 2 selected
 - o Project 3 selected
 - Project 2 & 3 selected





Project	Bids	CMU ID	CMU Status	Price (€/kW/year)	Volume (MW)	Capacity Contract Duration (years)	Linked families (LF)	Exclusive with (bids)
	1	CMU1	Additional	50	318,5	15		
1	2	CMU2	Additional	50	318,5	15	LF 1	LF 2, LF3, 10, 11
	3	CMU3	Additional	50	273	15		
	•	•	•	•	-		•	•
	4	CMU1	Additional	60	318,5	13		
1	5	CMU2	Additional	60	318,5	13	LF 2	LF 1, LF 3, 10, 11
	6	CMU3	Additional	60	273	13		
		•		•	-		-	•
	7	CMU1	Additional	69	318,5	8		
1	8	CMU2	Additional	69	318,5	8	LF 3	LF 1-2, 10, 11
	9	CMU3	Additional	69	273	8		,
2	10	CMU4	Additional	40	315	15		LF 1-3
			1					
3	11	CMU5	Additional	40	315	15		LF 1-3





After successful login and prequalification, CRM candidate can access auction submission interface between GOT and GCT









- New bids can be added via the "Add new bid" menu
- Bid creation feature is accessible any time between GOT and GCT
- New bids need to be linked to successfully prequalified CMUs for the current auction



	Bids		
Home	Auction •	Auction Type 2025 Y-4	
Bids Reports	Q ID Q CMUID	NOTION	t me contract w stratom
About		Create a new Bid X Create a new Bid X CMU CMU CMU CM Research Volume 315 MW Research Volume 135 MW Volume (MM) 318.50 Price (K/Ner/year)	
		50.00 Contract duration (years) 15	Create a new Bid ×
		CREATE BID	сми
Settings Logout			CMU1 UC4
			Remaining Eligible Volume: 315 MW Required Volume to bid: 315 MW
			Volume (MW)
			318.50
			Price (€/Kw/year)
			50.00
			Contract duration (years)
			15
		, ,	CREATE BID



- User has to chose a CMU in drop list of prequalified CMUs belonging to the CRM candidate
- Required volume to bid is dynamically computed for information
- Remaining eligible volume based on previous auctions is provided for information
- No compliancy check is performed at bid creation stage
- "Create bid" leads to bid with status "Saved"

5. Auction | Bid submission Overview of bids portfolio



								Q 10	Q (CMU ID	₩ COMPLIANCE	₩ STATUS	↑≱ VOLUME	14 PRICE	₹ CONTRACT
								#1	(CMU1 UC4	Waiting	Saved	318.50 MW	50 (€/Kw/Year)	15
								. #2	c	CMU2 UC4	Waiting	Saved	318.50 MW	50 (€/Kw/Year)	15
								#3	(CMU3 UC4	Waiting	Saved	273 MW	50 (€/Kw/Year)	15
								#4	(CMU1 UC4	Waiting	Saved	318.50 MW	60 (€/Kw/Year)	13
								#5	(CMU2 UC4	Waiting	Saved	318.50 MW	60 (€/Kw/Year)	13
								#6	(CMU3 UC4	Waiting	Saved	273 MW	60 (€/Kw/Year)	13
								#7	c	CMU1 UC4	 Waiting 	Saved	318.50 MW	69 (€/Kw/Year)	8
								#8	0	CMU2 UC4	Waiting	Saved	318.50 MW	69 (€/Kw/Year)	8
								#9	0	CMU3 UC4	Waiting	Saved	273 MW	69 (€/Kw/Year)	8
=		Bids) (CMU4 UC4	Waiting	Saved	315 MW	40 (€/Kw/Year)	15
-	Users		/					#1		CMU5 UC4	 Waiting 	Saved	315 MW	40 (€/Kw/Year)	15
-	Bids	Auction 11			Auction Type	2025 Y-4	Ç ≡y compi	LIANCE CHECK		-					
	Reports	Q. 10	Q, CMU ID	T COMPLIANCE	₩ STATUS	t VOLUME	* PRICE	╤ CONTRACT							
0	About	1 #1	CMU1 UC4	Waiting	Saved	318.50 MW	50 (€/Kw/Year)	15	G - G 0						
		- #2	CMU2 UC4	Waiting	 Saved 	318.50 MW	50 (€/Kw/Year)	15	@- @ 0						
		#3	CMU3 UC4	Waiting	Saved	273 MW	50 (€/Kw/Year)	15	G - G 0						
		#4	CMU1 UC4	Waiting	Saved	318.50 MW	60 (€/Kw/Year)	13	G - G 0						
		#5	CMU2 UC4	Waiting	Saved	318.50 MW	60 (€/Kw/Year)	13	a . a .						
		#6	CMU3 UC4	Waiting	Saved	273 MW	60 (€/Kw/Year)	13	a . a .						
		#7	CMU1 UC4	Waiting	 Saved 	318.50 MW	69 (€/Kw/Year)	8	@ - @ 0						
		#8	CMU2 UC4	Waiting	Saved	318.50 MW	69 (€/Kw/Year)	8	@ - @ 0						
		#9	CMU3 UC4	Waiting	Saved	273 MW	69 (€/Kw/Year)	8	a . a .						
		#10	CMU4 UC4	Waiting	Saved	315 MW	40 (€/Kw/Year)	15	G · Q 0						
		#11	CMU5 UC4	Waiting	Saved	315 MW	40 (€/Kw/Year)	15	9 00						



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≡		Bids						🚥 BID SETS 🛛 🗙 BID EXCLUS		+ .DD NEW BID
ħ	Home	Auction 11			Auction Type 2025	Y-4	≎ ≡, сом	PLIANCE CHECK	📈 AU	ICTION'S STATS
	Bids				N	FILTER				
l.	Reports	Q ID	Q, CMU ID		₩ STATUS	ta VOLUME	* PRICE	- CONTRACT	₩ RELAT	IONS
D	About	#1	CMU1 UC4	Waiting	⊙ Saved	318.50 MW	50 (€/Kw/Year)	Set of linked	۹.	@ 0
		#2	CMU2 UC4	Waiting	Saved	318.50 MW	50 (€/Kw/Year)	bids setup	•	@ 0
		#3	CMU3 UC4	Waiting	Saved	273 MW	50 (€/Kw/Year)	15	•	G 0
		#4	CMU1 UC4	Waiting	⊙ Saved	318.50 MW	60 (€/Kw/Year)	13	a -	© 0
		#5	CMU2 UC4	Waiting	Saved	318.50 MW	60 (€/Kw/Year)	13		62 0
		#6	CMU3 UC4	Waiting	Saved	273 MW	60 (€/Kw/Year)	13		G 0
		#7	CMU1 UC4	Waiting	Saved	318.50 MW	69 (€/Kw/Year)	8	•	G 0
		#8	CMU2 UC4	Waiting	⊙ Saved	318.50 MW	69 (€/Kw/Year)	8	•	© 0
		#9	CMU3 UC4	Waiting	Saved	273 MW	69 (€/Kw/Year)	8		62 0
		#10	CMU4 UC4	Waiting	Saved	315 MW	40 (€/Kw/Year)	15	۹.	62 0
		#11	CMU5 UC4	Waiting	Saved	315 MW	40 (€/Kw/Year)	15	•	6 0

Linked bids set menu may be used once bids are created and visible in user dashboard



Bids			
Group Management C Auction T	2025 Y-4		
All groups Show all bids			
Г	=	Bids	
	Group Management	C Auction Type 2025 Y-4	\$
	All groups	Show all bids + ADD	
	1	,	Set of linked bids #LF1
Eugout			



- Any linked bids need to belong to a set of linked bids
- Creation of a set of linked bids is the first step of linked bids specification
- Available sets of linked bids will be shown in the menu







- Once group is created, bids may be added to the set of linked bids
- Linked bids will be authorized based on prequalification data
- Bids may only belong to one set of linked bids
- All bids belonging to the set is linked to other bids in the same set











=		Bids						🚥 BID SETS 🛛 🗶 BID EXC			
+	Home	Auction 11			Auction Type	2025 Y-4		ANCE CHECK	AUCTION'S ST		
	Bids					NO FILTER	•				
	Reports	Q ID	Q, CMU ID	₩ COMPLIANCE	₩ STATUS	14 VOLUME	* PRICE	₩ CONTRACT	₩ RELATIONS	- Cat of linked hide	oro visible in the
0	About		CMU1 UC4	Walting	(Saved	212 6 100	50 (€/Kw/Year)	15	a 1 a 0	Set of linked bids	are visible in the
		C #2			5 Saved	318.5 MW	50 (€/Kw/Year)	15		main user dashbo	hard
		#3	- R	ELATIONS) Saved	273 MW	50 (€/Kw/Year)	15			bara
		#4) Saved	318.5 MW	60 (€/Kw/Year)	13	a 2 a 0	In hid details mer	u linked hids IDs
		#5) Saved	318.5 MW	60 (€/Kw/Year)	13	■2 €0		
		#6		1 🛛 0) Saved	273 MW	60 (€/Kw/Year)	13	€2 €30	are visible	
		#7) Saved	318.5 MW	69 (€/Kw/Year)	8	@3 @0		
		#8		1 🛛 0) Saved	318.5 MW	69 (€/Kw/Year)	8	■3 €0		
		#9) Saved	273 MW	69 (€/Kw/Year)	8	G 3 G 0		
		#10		1 63 0) Saved	315 MW	40 (€/Kw/Year)	15	e: e:		
		e11) Saved	315 MW	40 (€/Kw/Year)	15	e e		1
¢	Settings Logout			2					R	eption Time Cmu Id	
			•	2 🗙 0					1, C	/2021, 14:50:27 Linked CMU1 UC4	
			•	3 🐼 0					E	sting 318,5	
			•	3 🗙 0		/			Р	e Contract	
				3 ≪ 0 - ≪ 0						CED BIDS	
			•	- 🗙 0					E	LUDED BIDS	



Bids exclusion setup

≡		Bids					•	BID SETS 💌 BID EXCL	USION	ADD NEW BID
÷	Home	Auction 11			Auction Type 2025	Y-4	COMPLIANCE	СНЕСК 🗮 SUBMIT	~ A	JCTION'S STATS
	Bids					0 FILTER				
11.	Reports	Q, 1D	Q, CMU ID	₩ COMPLIANCE	₩ STATUS	% VOLUME	* PRICE	₩ CONTRACT	₩ RELAT	IONS
0	About	n	CMU1 UC4	Waiting	Saved	318.5 MW	50 (€/Kw/Year)	15	e1	e.
		#2	CMU2 UC4	Waiting	Saved	318.5 MW	50 (€/Kw/Year)	15	G 1	G 0
		#3	CMU3 UC4	Waiting	Saved	273 MW	50 (€/Kw/Year)	15	e 1	G 0
		#4	CMU1 UC4	Waiting	Saved	318.5 MW	60 (€/Kw/Year)	13	@ 2	@ 0
		#5	CMU2 UC4	Waiting	Saved	318.5 MW	60 (€/Kw/Year)	13	■2	G 0
		#6	CMU3 UC4	Waiting	Saved	273 MW	60 (€/Kw/Year)	13	C 2	G 0
		#7	CMU1 UC4	Waiting	 Saved 	318.5 MW	69 (€/Kw/Year)	8	€3	G 0
		#8	CMU2 UC4	Waiting	Saved	318.5 MW	69 (€/Kw/Year)	8	€3	@ 0
		#9	CMU3 UC4	Waiting	 Saved 	273 MW	69 (€/Kw/Year)	8	€3	G 0
		#10	CMU4 UC4	Waiting	Saved	315 MW	40 (€/Kw/Year)	15	e٠	© 0
		. •11	CMU5 UC4	Waiting	Saved	315 MW	40 (€/Kw/Year)	15	•	G 0

Bid exclusion menu may be used once the bids are created and visible in user dashboard

- Settings
- Elegent







- The bid exclusion properties can be added to each of the bids
- The bid exclusion can be added one by one or with Add all button
- Bids #1 can be defined as being mutually exclusive with linked set of bids 2 and 3, bid 10 and bid 11, appearing on the left side of the table
- Bid 2 and bid 3 are linked with bid 1 and will therefore inherit mutually exclusivity with linked set of bids 2 and 3, bid 10 and bid 11







- Bids relationships overview is available in the main dashboard
- Amount of mutually exclusive bids for each bid is visible
- Amount linked bids in each set is visible, in this case none.





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- "Compliance check" of "Submit" triggers a check on data provided by the user against FR and prequalified data.
- Any error or warning is sent to user via the error log ("Compliancy check results")
- In this use case, the Eligible volume is 10 MW → 0 < Volume_{bid} ≤ 10 MW → bid #1 is non compliant
- Bid #1 stays in status "saved" as long as the user has not solved the error.
- Bid #1 cannot be submitted as long as the error has not been solved.







=		Reports
A	Home	Reports Auction Type 2025 Y-4 3
	Bids	
	Reports	
0	About	CRM Bid Report for 2025 Year 4
		Acrobat (PDF) file
		Delivery Period Bid Id Capacity Period Type Bid Id Capacity Type Bid Id Capacity Market Unit Process (MW) Capacity Market Unit Process (MW) Price (€/MW/year) (egnoty) (MW) Capacity (MW) (Price (egnoty) (Warket Unit Process (MW) (Price) (P
		2025 Year4 5 CNU Existing 6,00 19 1 1,2,3,4 unknown 1/03/2021 9:36:42 <th< th=""></th<>
		2025 Year4 4 CMU Existing 7.00 18.5 1 12.3.5 unknown 10/3/2021 2025 Year4 4 CMU Existing 7.00 18.5 1 12.3.5 unknown 10/3/2021
		Color Color <th< th=""></th<>
		2025 Year4 1 CMU Existing 10,00 17 1 2,3,4,5 True 26/02/2021
		Rich Text Format
		TIFF file
		Word Document o
φ.	Settings	
€	Logout	

- Every user may generate bidding report for internal use
- Bidding report gathers all bids and related information created by CRM candidate (all bids statuses are reported)
- Report may be printed, exported or send
- Report format may be exported on a tailored format to meet user's preferences

5. Auction | Results publication

Auction results						
Selected bids						
	Selected Bid volumes	CMU1 (318,5MW); CMU2 (318,5MW); CMU3 (273MW)				
	Related Price	50€/kW/year				
	Capacity contract duration	15 years				
Rem	naining Eligible Volume	0 MW ¹				
Issuance date of the 1 st quarterly report 01/04/2022						

- Bids 1, 2 and 3 of EnergyProducer are selected in the Auction after global optimization
- Result validation according to modalities set in Royal Decree Control
- Result communication to EnergyProducer at latest on 31/10/2021



6. Capacity Contract signature







- To officially become a Capacity Provider, EnergyProducer shall sign the Capacity Contract
- Once the Capacity Contract is signed, EnergyProducer enters the Pre-delivery Period

