FUNCTIONING RULES:

Annexes related to Prequalification Processes

05/05/2020

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ANNEX A: METERING REQUIREMENTS

All Existing Delivery Points (TSO, DSO and CDS connected Delivery Point) shall have one or several meter(s) installed that meets the following minimum requirements.

1. General metering requirements

The two following requirements shall be respected for all delivery points:

- An AMR (Automatic Meter Reader) that can provide 15-minutes metering shall be installed to measure Injection or Offtake[1] of the Grid User Concerned;
- It must be possible to calculate the Nominal Reference Power based on the metering at a Delivery Point;

2. Specific metering requirements

The following specific requirements shall be respected by each Delivery Point according to the type of Delivery Point:

- **TSO-connected Delivery Point:**
  - In case of Headmetering, the meter is a Headmeter listed in Annex 4 of the Connection Contract.
  - In case of the Submetering, the Submeter shall comply with the metering requirements specified in the following Annex.
  - In case a Delivery Point – for which ELIA receives Daily Schedules – is situated downstream of a Delivery Point – for which ELIA does not receive Daily Schedules – the metering data to be considered cannot include the metering data of the Delivery Point – for which ELIA receives Daily Schedules. In consequence, two options can be considered:
    - The use of a Submeter;
    - The application of an equation based on Headmeter and/or Submeter(s).

- **DSO-connected Delivery Point:**
  - The CRM Candidate should refer to DSO-CRM Candidate Agreement;
  - All communications and agreements regarding the metering requirements should be discussed with the applicable DSO;

- **CDS-connected Delivery Point:**
  - The CDSO shall use the metering facilities (already) associated with

[1] On the ELIA Grid, compensated value for the quarter-hour is used.

Delivery Points within a CDS in relation to their invoicing obligations regarding their CDS Access Points;

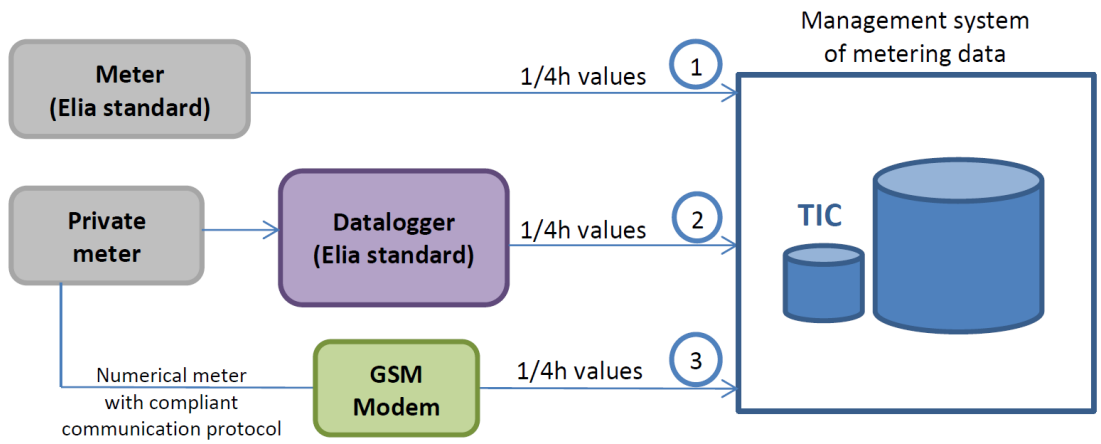
- The metering data shall be validated by the CDSO;

ANNEX B: GENERAL TECHNICAL REQUIREMENTS OF THE SUBMETERING SOLUTIONS

The following solutions are possible:

- **Option 1:** The use of a meter (ELIA standard) that communicates directly the 1/4h-values of active power to the ELIA metering data management system (TIC) through a communication protocol known by ELIA.
- **Option 2:** The use of a datalogger (ELIA standard) that collects the metering pulses of a private meter and communicates the 1/4h-values of active power to the ELIA metering data management system (TIC) through a communication protocol known by ELIA.
- **Option 3:** The use of a GSM modem that communicates directly the 1/4h-values of active power coming from a private meter to the ELIA metering data management system (TIC) through a communication protocol known by ELIA.

Schematic view



These solutions apply exclusively to Delivery Points within the electrical facilities of a Grid User connected to the ELIA Grid.

Minimum requirements met by the metering system

Common technical requirements applying to new[2] metering installations

- **Options 1, 2 and 3 :**
  - The accuracy class of the measurement core of current transformers (CT) corresponds ideally to 0.2S (according to EN-IEC 60044-1) and meets at least the requirements specified in the Technical Regulations for Distribution network in force.
  - The accuracy class of the measurement core of voltage transformers (VT) corresponds ideally to 0.2 (according to EN-IEC 60044-2) and meets at least the requirements specified in the Technical Regulations for Distribution network in force.
- **Options 2 and 3 :**
  - The accuracy class of the meter for active energy corresponds ideally to 0.2S (according to EN-IEC 62053-22) and meets at least the requirements specified in the Technical Regulations for Distribution network in force.

Common technical requirements applying to all metering installations

- Any cable connecting the current or voltage transformers to a meter must be as short as possible. The section of the connection wires between the meter and the current transformer is ideally minimum 4 mm². The section of the connection wires between the meter and the voltage transformer is ideally minimum 10 mm².
- The connection wires to current and voltage transformers may not be located in the same cable.
- An earthing terminal is available near the installation.
- The signal level for GSM must be sufficient to enable a communication with the ELIA management system of metering data (TIC).
- The following communication protocols are allowed: SCTM and EDMI.

Specific technical requirements

Depending on the chosen option, the following requirements must be observed as well:

- **Options 1 : ELIA submeter**
  - A system of 2 or 3 current / voltage transformers is allowed (method 2 or 3 power meters).
  - The current and voltage signals are available on a dedicated terminal.
  - The space for the installation of a ELIA submeter is: L600 mm x H800 mm (indicative values).
  - Note: on request, the metering pulses are made available to the grid user.
  - The antenna of the synchronization clock must be installed at a place ensuring good

[2] Installed after 15/03/2015

reception of the synchronization signal.
- A power off of the electrical load downstream the meter to be installed is required for the installation and commissioning of the equipment.

- **Option 2 : Datalogger (ELIA standard) and private meter**
  - The metering pulses for active energy are made available on a dedicated terminal (the impulse contacts are potential free).
  - The weight of the metering pulses is known (and programmable). If necessary, it will be adapted by ELIA to ensure a maximum accuracy. Maximum pulse frequency: 4 Hz.
  - The space for the installation of a datalogger is: L400 x H800 (indicative values).
  - If a private datalogger is used, it must be equipped with an external synchronisation clock with accuracy better than 20 ms. Synchronization is necessary every 1/4h (top 15-min) or once daily provided that the accuracy of the data logger's internal clock is better than 1 s (maximal daily deviation).
  - A power off is not necessary for the installation and commissioning of the equipment.

- **Option 3 : Private meter and GSM modem**
  - The technology of the meter is numeric.
  - The autonomy of the memory of the meter is ideally greater than 30 days.
  - A specific communication port is available for connecting the GSM modem.
  - The weight of the metering pulses is known (and programmable). If necessary, it will be adapted by ELIA to ensure a maximum accuracy. Maximum pulse frequency: 4 Hz.
  - The space for the installation of the GSM cubicle is: L400 x H400 (indicative values).
  - An external synchronization signal for the numeric meter is required. Synchronization is necessary each 1/4h (top 15-min) and the clock has an accuracy better than 20 ms (maximum admissible deviation per 1/4h). In case of disappearance of the external synchronization, the internal clock of the numeric meters may not have a deviation greater than 1 s (per day).
  - A power off is not necessary for the installation and commissioning of the equipment.

ANNEX C:COMBINABILITY RULES

1. Type of CMU

- An **individual CMU** shall respect the following requirements:
  - A Delivery Point shall be alone in a CMU if the related Capacity is subject to the obligation to a Daily Schedule;
  - The CMU can be either an Access Point or a Delivery Point;
  - There is no maximum for the Capacity of the Individual CMU;
  - The minimum to participate to the CRM Service with only one Delivery Point is 1MW;

- In an **aggregated CMU**, the Delivery Points shall respect the following conditions:
  - A Delivery Point shall be part of an aggregated CMU if its Nominal Reference Power is lower than the threshold defined by the Royal Decree on eligibility criteria;
  - a CRM candidate can choose if its Delivery Point will be part of an aggregated CMU in the event that it is not subject to a Daily Schedule and that its Nominal Reference Power is higher than the threshold defined by the Royal Decree on eligibility criteria;
  - There is no maximum number of Delivery Point;
  - There is no maximum for the Capacity of the Aggregated CMU;
  - The Delivery Points shall respect the combinability rules defined in section 2 below.

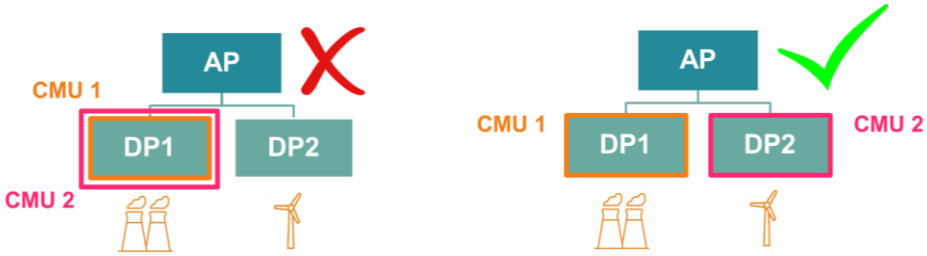
2. Combination rules

The five (5) key principles that shall be respected by the Delivery Point(s) submitted by the CRM Candidate during the Prequalification Process are presented below:

1) The "first come, first served[3] principle will be applied by ELIA in the following situations:
   a. In the event that two (2) different CRM candidates submit the same Delivery Point in a Prequalification File;
   b. If a CRM Candidate tries to submit the same Delivery Point into two (2) different CMUs;
   c. If a Delivery Point is influencing another one according to the four (4) next principles.

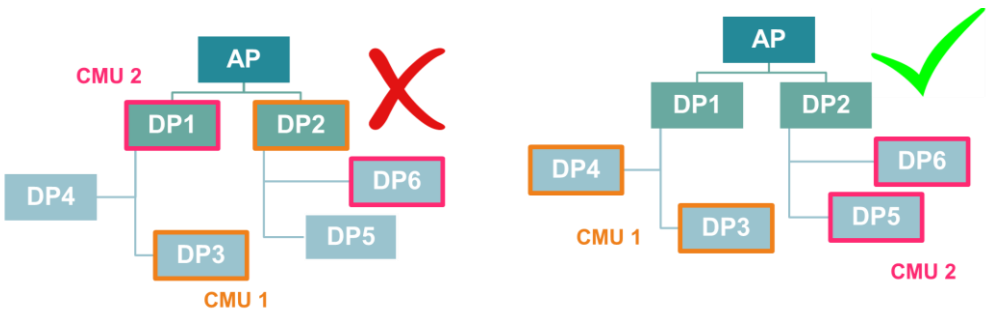
[3] To determine which CRM Candidate is considered as the first, ELIA will use the Prequalification File submission date.

2) A Delivery Point can belong to only one CMU and therefore to only one CRM Candidate.

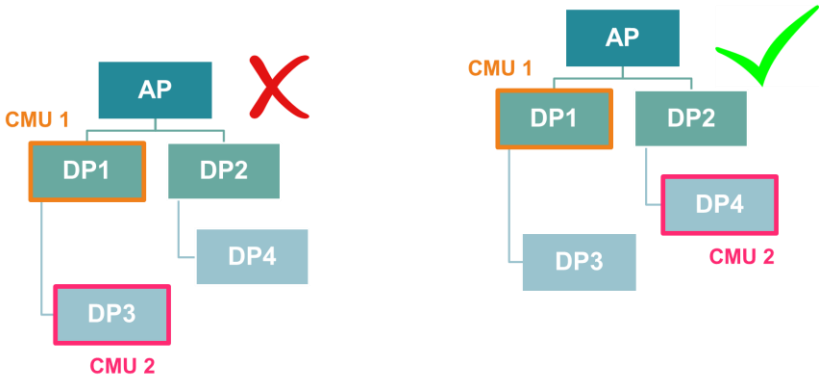


3) If a CRM candidates choses a Delivery Point in the CMU, the Access Point to which it belongs, cannot be part of the CMU as well. In other words, no combination possible between a Service delivery on the Headmeter and a Submeter behind or with two Submeters with hierarchy (one Delivery Point above another one). Indeed, in such configuration the Delivery Point downstream (Delivery Point 1 in the example below) influences the one upstream (Access Point in the example below) and might negatively influence the control of the Service delivery.

4) One Delivery Point cannot influence another one. This is valid inside a CMU of one CRM Candidate but also between multiple CMU belonging to different CRM Candidates.



5) More than one CRM Candidate can deliver a Service behind an Access Point as long as these Delivery Points are not influencing each other.



ANNEX D: APPLICATION FORM FOR LEGAL PERSON

Fields marked with an asterisk shall be filled in by the Capacity Holder or another entity the Capacity Holder has designated through a Grid User Declaration. The other field are optional.

1. Company details

Company Name*	
Applicable Law*	
Address - Head Office*	
Telephone	
Fax	
Registration Number (VAT)*	
Business Number*	
Date of foundation (dd/mm/yyyy)	
Energy Identification Code (EIC)*	

2. Bank details for the payment of invoices[4]

Company Name	
E-mail address[5]	
Bank Name*	
Street	
Postal code	
City	
Country	
IBAN*	
SWIFT / BIC*	
Currency (ordering & invoicing)*	

[4] The contact persons shall provide a Company Name and an address if the Company and the address where they want to receive their mail are not the same as the information provided in section "Company details".

[5] By filling in the e-mail address for electronic invoicing, the Capacity Holder (or another entity the Capacity Provider has designated via a Grid User Declaration) gives his agreement to send any invoice or credit note relating to the Capacity Contract by e-mail. This e-mail address must be a generic address and may not be used in any other context than electronic invoicing.

3. Contact details

Language[6]*	
Civil status	
First Name*	
Last Name	
Function*	
Telephone	
Mobile*	
E-mail*	

ELIA will ask for the contact details of at least one person for the following information:

- Contractual relations
- The exploitation of the Connection (Connection contract)
- Emergency (24h/24h)
- Maintenance
- Planning
- Analysis of incidents
- in the framework of the rescue code and the restoration code for the Connection of Off-takes (outside working hours)
- in the framework of the rescue code and the restoration code for the Connection of Production Units (during working hours)
- Counting and metering
- Invoicing

[6] Preferred language for the communication (French/English/Dutch)

ANNEX E: APPLICATION FORM FOR NATURAL PERSON

Fields marked with an asterisk shall be filled in.

1. Personal details

Language[7]*	
Civil status	
First Name*	
Last Name*	
Address of domicile*	
Telephone	
Mobile*	
E-mail address*	

4. Bank details for the payment of invoices[8]

E-mail address[9]	
Bank Name*	
Street	
Postal code	
City	
Country	
IBAN*	
SWIFT / BIC*	
Currency (ordering & invoicing)*	

[7] Preferred language for the communication (French/English/Dutch)
[8] The contact person shall provide an address if the address where he wants to receive his mail is not the same as the one provided in section “Personal details”.
[9] By filling in the e-mail address for electronic invoicing, the natural person gives his agreement to send any invoice or credit note relating to the Capacity Contract by e-mail. This e-mail address must be a generic address and may not be used in any other context than electronic invoicing.

ANNEX F:GRID USER DECLARATION

In the event the Grid User differs from the CRM Candidate, ELIA shall receive the proof that the Grid User has signed without reserve the Grid User Declaration. A single Grid User Declaration can include one or more Delivery Point(s) related to the concerned Grid User. The Grid User Declaration shall contain at least the following clauses:

- The present Grid User Declaration only applies for the Delivery Point(s) listed in table 1;
- The Grid User hereby acknowledges that all given information in this Grid User Declaration is true and accurate.
- The Grid User hereby acknowledges that he will participate to the Service with only one party (being the CRM Candidate) at the same time and that the list of Delivery Point(s) in table 1 is submitted for only one party (being the CRM Candidate) at the same time.
- The Grid User confirms to ELIA that his commitment to provide Service does not breach existing contracts with third parties (with whom the Grid User has a contractual or regulated relationship, such as, but not limited to, the Supplier of the Grid User).
- The Grid User hereby gives permission to the CRM Candidate to offer the Service to ELIA from DD/MM/YYYY to DD/MM/YYYY.
- The Grid User acknowledges that the present document is valid for each Delivery Point listed in table 1 until either respective expiry date of the Grid User Declaration or the submission by another party of a new Grid User declaration, for one (or more) of the Delivery Point(s) listed in table 1, signed and validated by the Grid User. The present Grid User Declaration remains valid until its expiry date for all Delivery Points listed in table 1 not concerned by the aforementioned new Grid User Declaration.
- The Grid User hereby gives explicit permission to ELIA to inform the CRM Candidate of the measurements of the Delivery Point(s) listed in table 1.
- All Delivery Points listed in table 1 shall respect the metering requirements set forth in the Functioning Rules for the Capacity Remuneration Mechanism.
- Details of the concerned Delivery Point(s):

Delivery Point name	Delivery Point identification (EAN)	Expected Nominal Reference Power [MW]

Table 1 – List of Delivery Point(s) concerned

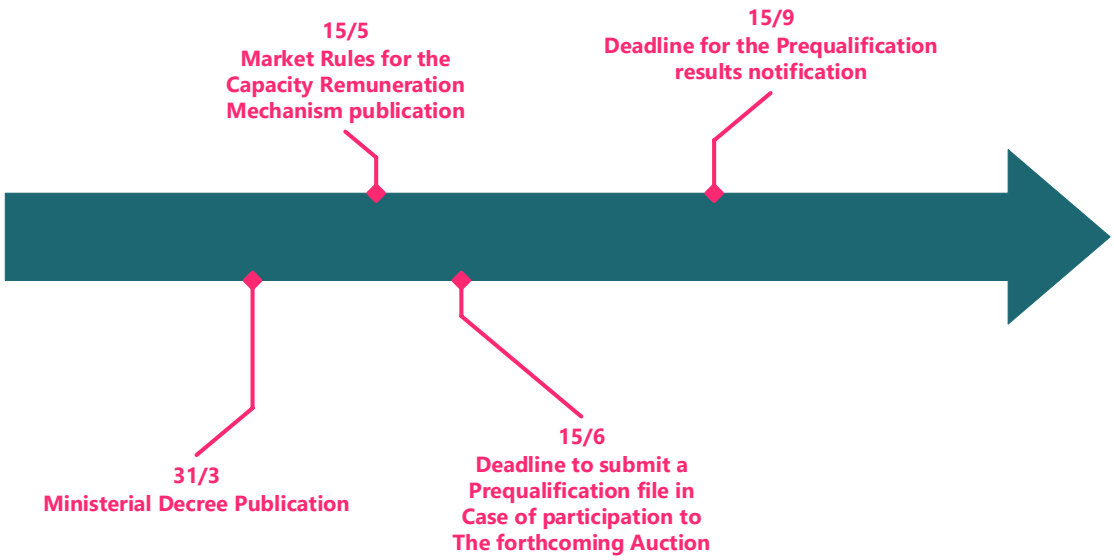
ANNEX G:TIME REQUIREMENTS FOR PREQUALIFICATION PROCESSES

The following information and diagrams are provided for the purpose of clarifying the timing aspects related to the three Prequalification Processes.

These will be included later in the final version of the Functioning Rules for the Capacity Remuneration Mechanism as part of the Service Time Schedule document.

1. Key dates

The timeline below presents the relevant dates when looking at the CRM Prequalification Processes. The following timeline apply every year.



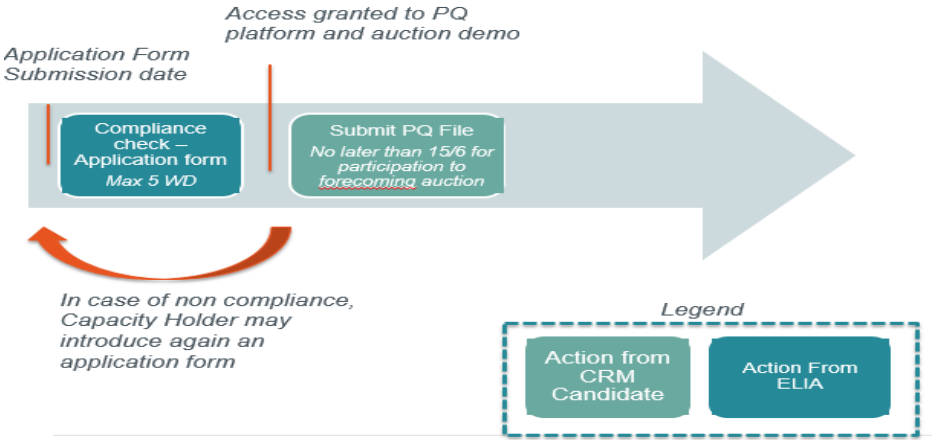
2. Timing related to the Prequalification Processes

The graphs in this section illustrate the timing applicable to each Prequalification Process. In addition, ELIA proposes 6 scenarios. In each one of them; one assumption is modified to highlight the consequences in terms of timing.

Of course, scenarios could be combined reality. In such situation, the related processes apply in parallel.

2.1 Timing related to the application form

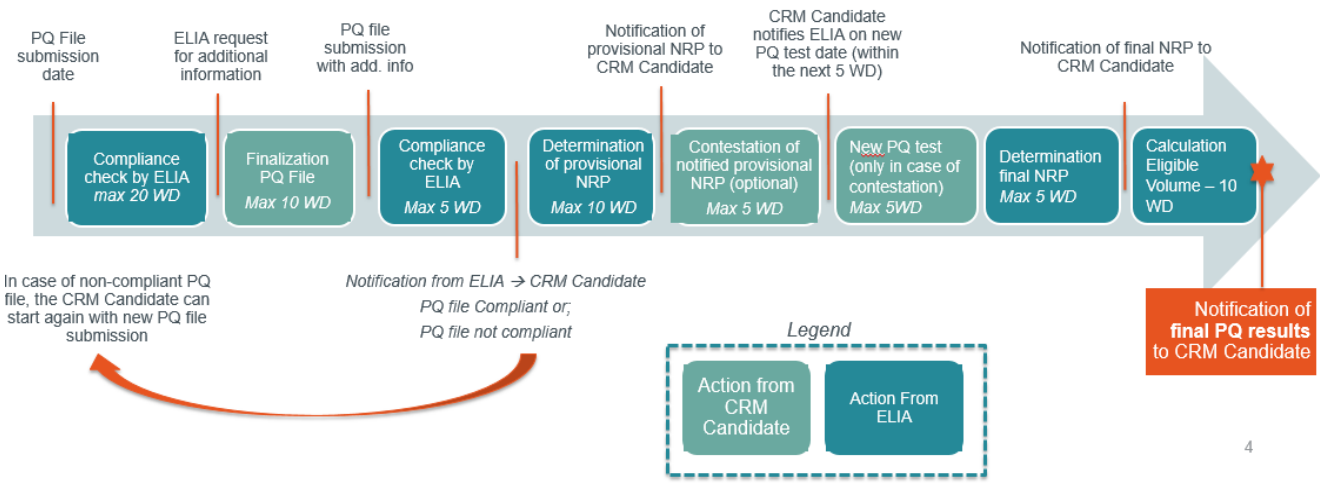
The graph below illustrates the timing applicable to the application form.



2.2 Timing related to the standard Prequalification Process – 1st scenario

The graph below illustrates the timing applicable to the different steps of the prequalification process, starting from the Prequalification File submission date and considering the following assumptions:

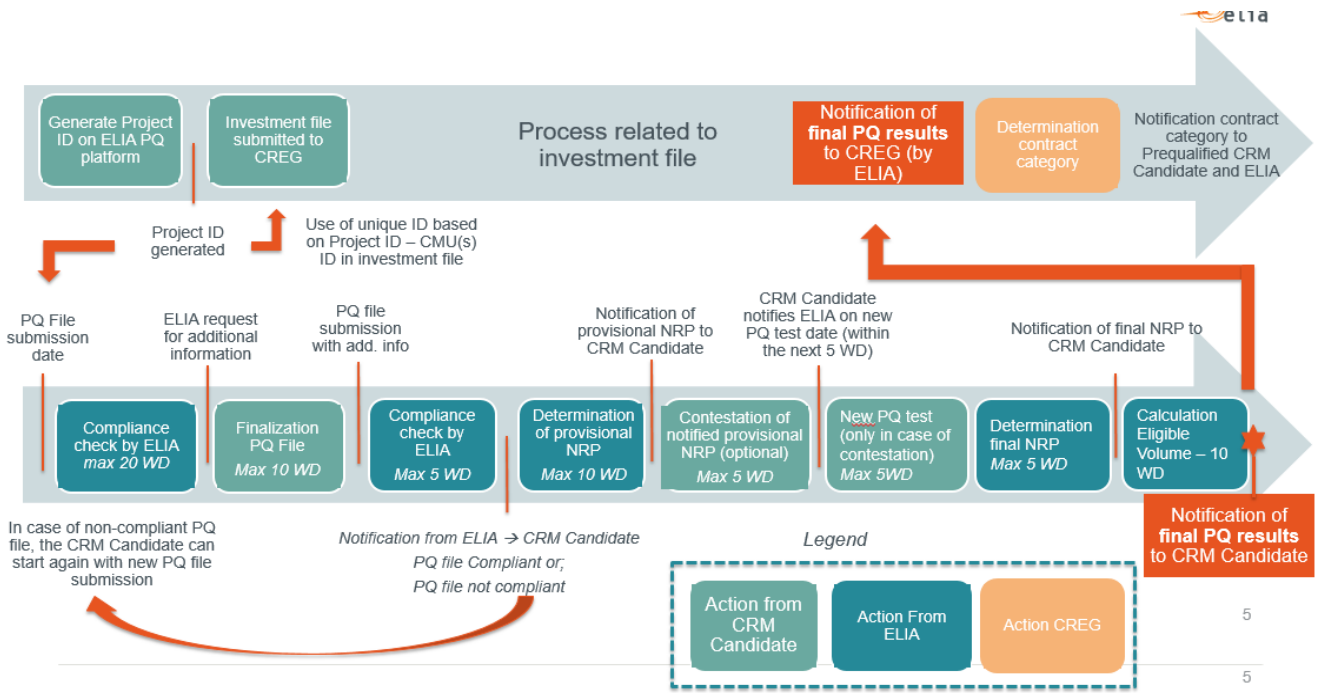
- Existing CMU;
- TSO connected Delivery Point(s);
- No investment file sent in parallel to CREG;
- No Opt-Out Notification.



2.3 Timing related to the standard Prequalification Process – 2nd scenario

The graph below illustrates the timing applicable to the different steps of the prequalification process, starting from the Prequalification File submission date and considering the following assumptions:

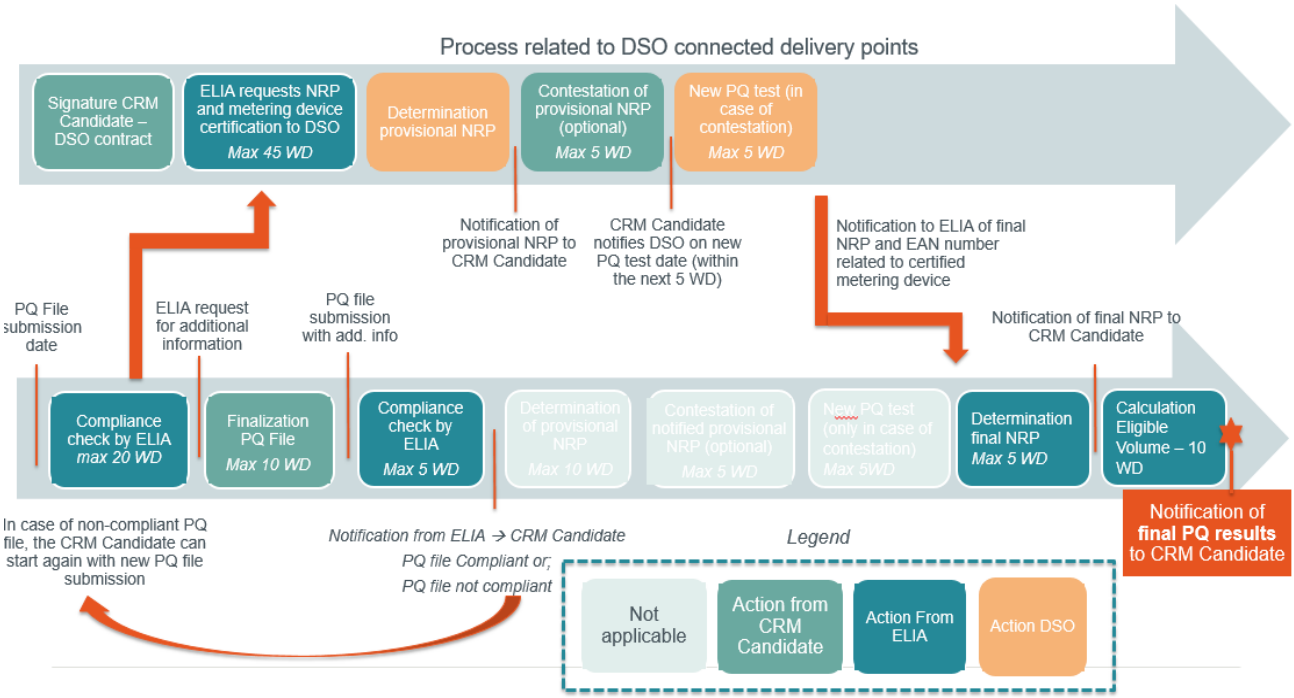
- Additional CMU;
- Investment file sent in parallel to CREG;
- TSO connected Delivery Point(s);
- No Opt-Out Notification.



2.4 Timing related to the standard Prequalification Process – 3rd scenario

The graph below illustrates the timing applicable to the different steps of the prequalification process, starting from the Prequalification File submission date and considering the following assumptions:

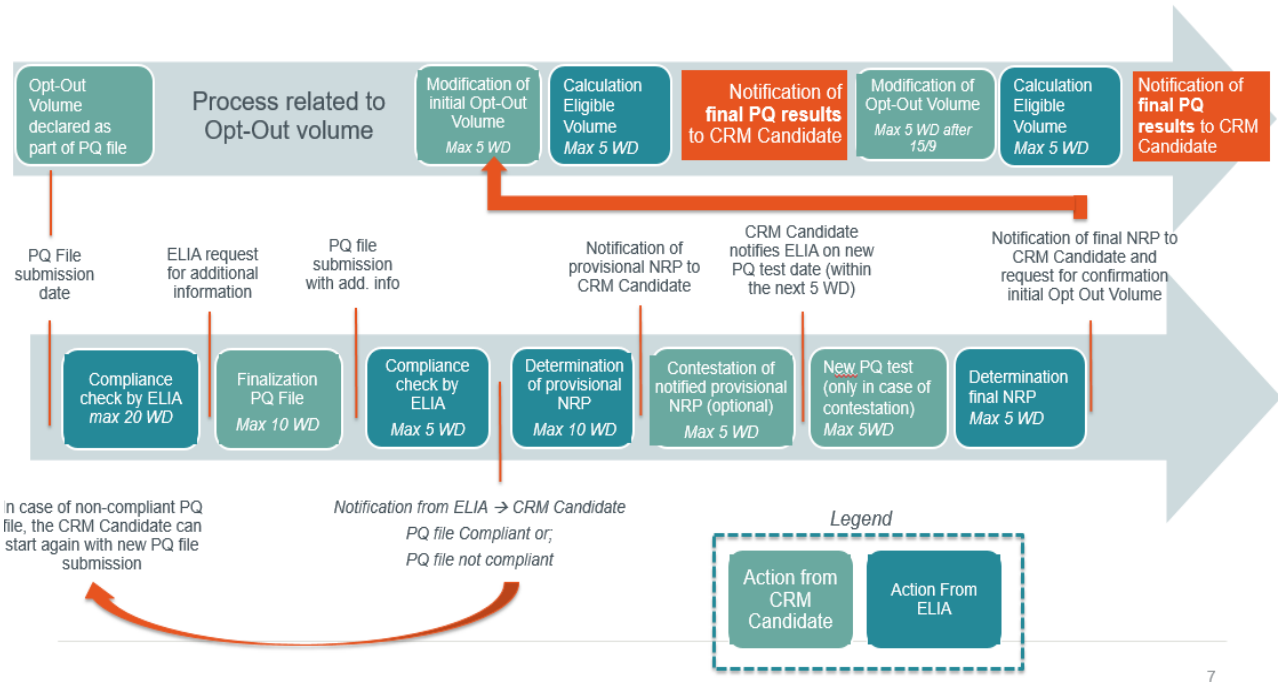
- No investment file sent to CREG;
- Existing CMU;
- DSO connected Delivery Point(s);
- No Opt-Out Notification.



2.5 Timing related to the standard Prequalification Process – 4th scenario

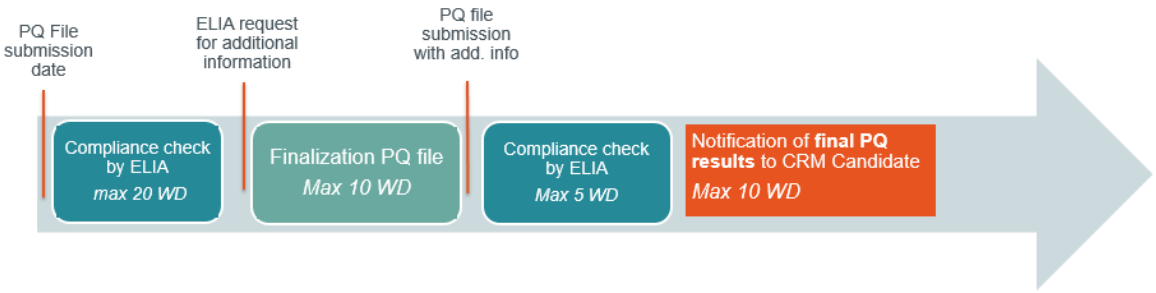
The graph below illustrates the timing applicable to the different steps of the prequalification process, starting from the Prequalification File submission date and considering the following assumptions:

- No investment file sent to CREG;
- Existing CMU;
- TSO connected Delivery Point(s);
- Opt-Out Notification.



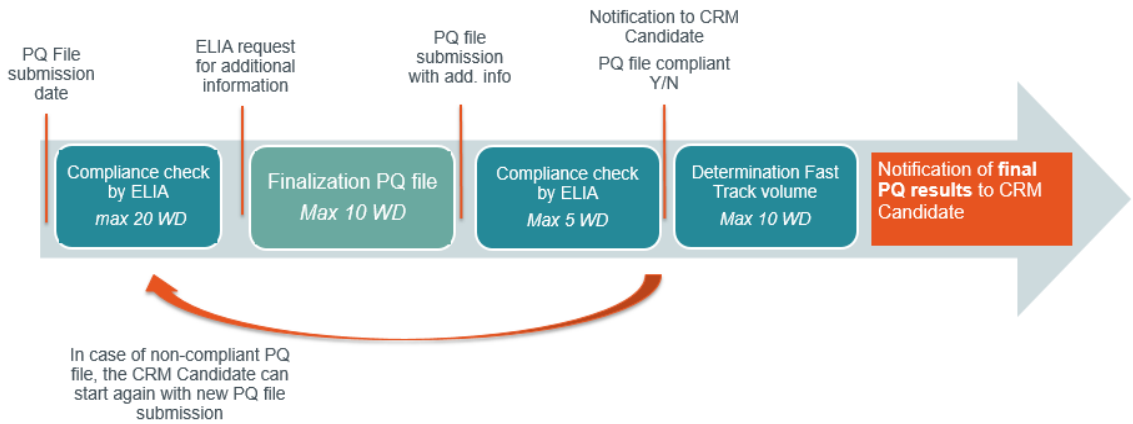
2.6 Timing related the Specific Prequalification Process

The graph below illustrates the timing applicable to the steps of the specific Prequalification Process, used to prequalify Virtual Capacity Market Unit. The period between Prequalification File submission and Prequalification result notification is reduced compared to the standard Prequalification Process as there is no need for ELIA to determine a provisional and final Nominal Reference Power (nor to foresee a contestation procedure). Indeed, the CRM Candidate declares the eligible volume of its Virtual CMU in the Prequalification File.



2.7 Timing related to the fast track Prequalification Process

The graph below illustrates the timing applicable to the steps of the fast track Prequalification Process.



ANNEX H: SINGLE LINE DIAGRAM

This annex is still being elaborated by ELIA and will be shared with market parties at a later stage.

ANNEX I:CDSO DECLARATION

The CRM Candidate upload this declaration via the Prequalification Platform. The CDS-connected Delivery Point(s) is(are) only integrated into the Service upon signature of this declaration.

Declaration by a CDSO

With this declaration, [company name], a company incorporated under [nationality] law, enterprise number [number], with registered office at [address], validly represented by Mr/Mrs [name] and Mr/Mrs [name], respectively in their quality of [function] and [function], identified for the purposes hereof as "the CDSO", hereby grants permission for the Delivery Point(s) identified below, which is(are) part of its CDS with power measured by CDSO meters, to participate, for the period DD/MM/YYYY to DD/MM/YYYY, to the Service organized by ELIA, as defined in the Functioning Rules for the Capacity Remuneration Mechanism,

In the knowledge that the power measured at this(these) Delivery Point(s) under specific circumstances and under specific conditions can be reduced and/or interrupted in order to supply the Service,
In the knowledge that this(these) Delivery Point(s) correspond(s) fully or partly with the CDS Access Point of [company name], a company incorporated under [nationality] law, enterprise number [number], with registered office at [address], recognized as a User of the CDS that is managed by the CDSO,

And

Undertakes to conclude a cooperation agreement with ELIA in accordance with the model which can be found on ELIA website or can be obtained upon request to ELIA and which describes the conditions for exchanging metering data between ELIA and the CDSO, and to do so prior to the submission of the Delivery Point(s) as part of the Prequalification following Functioning Rules for the Capacity Remuneration Mechanism.

And

Informs ELIA whether there is a risk of full or partial load transfer from the Delivery Point(s) that is part of the CDS, as detailed below.

Detail of the Delivery Point(s):

CDS User	CDS Access Point	Delivery Point Identification (EAN)

Risk of full or partial load transfer (to be described by the CDS Operator):

.....
.....
.....
.....

And

Confirms that it has obtained express permission from the CDS User to send to ELIA the confidential information, including metering data (quarter-hourly values of active power) for the above-identified Delivery Point and the corresponding CDS Access Point, since such communication is necessary for the correct invoicing of the CRM service with respect to the Capacity Provider, which to that end makes use of the CDS User's Delivery Point.

Done in [location], on DD/MM/YYYY

Signature of the CDS Operator:

Name:

Title:

ANNEX J: BASELINE METHODOLOGY

This annex is still being elaborated by ELIA and will be shared with market parties at a later stage; when discussing the **availability monitoring principles**.

ANNEX K: LETTER FOR THE RENUNCIATION OF OPERATING AIDS

This annex is still being elaborated by ELIA and will be shared with market parties at a later stage in collaboration with the FPS.

ANNEX L: OPT-OUT NOTIFICATION RELATED TO A Y-4 AUCTION

Opt-Out Notification in Auction year 20XX

Related to the Y-4 Auction (Delivery Period Nov 20XX – Oct 20XX)

1. Provide the following general information:
   - CMU ID: _____
   - CMU type:
     i. Existing CMU or Additional CMU: _____
     ii. Aggregated CMU or individual CMU: _____
   - Nominal Reference Power of the CMU:_____
   - Opt-Out Volume: _____ MW OR _____ % of CMU Nominal Reference Power

   Additional information: For a CMU that goes through the fast track Prequalification Process, the status of the Opt-Out Volume is always Existing, the CMU is always an individual CMU and the Opt-Out Volume always equals the Nominal Reference Power of the CMU.

   ➔ *Next step:*

CMU Type	**Aggregated**	**Non-aggregated**
Existing	*Continue to Question 3.*	*Continue to Question 3.*
Additional	*Continue to Question 2.*	*Continue to Question 3.*

2. Indicate whether the Opt-Out Volume relates to:
   - ☐ Additional Capacity.
     →*The Opt-Out Notification is complete.*
   - ☐ Existing Capacity
     → *Continue to question 3.*
   - ☐ A mix of Additional and Existing Capacity: _____ MW OR _____ % of the Opt-Out Volume relates to Existing Capacity
     → *Continue to question 3.*

3. According to art. 4bis of the Electricity Act, indicate what the Opt-Out Volume is associated with for the specific Delivery Period covered by this Opt-Out Notification?
   - ☐ Notification for definitive closure.
     Please add a copy of this notification. Done.
   - ☐ Notification for definitive structural reduction of capacity.
     Please add a copy of this notification. Done.
   - ☐ Notification for temporary closure.
     Please add a copy of this notification. Done.
   - ☐ Notification for temporary structural reduction of capacity.
     Please add a copy of this notification. Done.
   - ☐ No notification. *Done.*

Date
___/___/___

Name and signature
_____

_____

ANNEX M: OPT-OUT NOTIFICATION RELATED TO A Y-1 AUCTION

Opt-Out Notification in Auction year 20XX

Related to the Y-1 Auction (Delivery Period Nov 20XX – Oct 20XX)

1. Provide the following general information:

   - ☐ CMU ID: _____
   - ☐ CMU type:
     i. Existing or additional: _____
     ii. Aggregated or individual: _____
   - ☐ Nominal Reference Power of the CMU:_____
   - ☐ Opt-Out Volume: _____ MW OR _____ % of CMU Nominal Reference Power

   Additional information: For a CMU that goes through the fast track Prequalification Process, the status of the Opt-Out Volume is always equal to existing, the CMU is always an individual CMU and the Opt-Out Volume always equals to the Nominal Reference Power of the CMU.

   ➔ *Next step:*

CMU Type	**Aggregated**	**Non-aggregated**
Existing	*Continue to Question 3.*	*Continue to Question 3.*
Additional	*Continue to Question 2.*	*Continue to Question 3.*

2. Indicate whether the Opt-Out Volume relates to:

   - ☐ Additional capacity.
     → *The Opt-Out Notification is complete.*
   - ☐ Existing capacity
     → *Continue to question 3.*
   - ☐ A mix of additional and existing capacity: _____ MW OR _____ % of the Opt-Out Volume relates to existing capacity
     → *Continue to question 3 and reply w.r.t. the Opt-Out Volume related to Existing Capacity.*

2. According to art. 4bis of the Electricity Act, indicate what the Opt-Out Volume is associated with for the specific Delivery Period covered by this Opt-Out Notification?
   - ☐ Notification for definitive closure

Please add a copy of this notification.
→ *The Opt-Out Notification is complete.*

- ☐ Notification for definitive structural reduction of capacity
  Please add a copy of this notification.
  → *Continue to question 4 only if the Opt-Out Volume is higher than the structural capacity reduction volume. Otherwise, the Opt-Out Notification is complete.*
- ☐ Notification for temporary closure
  Please add a copy of this notification.
  → *The Opt-Out Notification is complete.*
- ☐ Notification for temporary structural reduction of capacity
  Please add a copy of this notification.
  → *Continue to question 4 only if the Opt-Out Volume is higher than the structural capacity reduction volume. Otherwise, the Opt-Out Notification is complete.*
- ☐ No notification
  → *Continue to question 4.*

3. Indicate whether the Opt-Out Volume, during the Delivery Period covered by this Opt-Out Notification, shall be:

   - ☐ IN the market (contributing to adequacy)
     → *The Opt-Out Notification is complete.*
   - ☐ OUT of the market (contributing to adequacy)
     → *Continue to question 4.*

4. Please choose one of the following reasons to explain why the Opt-Out Volume will be OUT of the market during Delivery Period covered by this Opt-Out Notification:
   - ☐ Installation(s) (partly) out of service and/or capacities (partly) not available anymore, but not subject to notification according to Art. 4bis of the Electricity Law. *Please motivate below. Done.*
   - ☐ Inaccurate derating factor w.r.t. this CMU. *Please motivate below. Done.*
   - ☐ Extensive maintenance planned. *Please motivate below. Done.*
   - ☐ Other.
     → *Please specify and motivate in the page below. Add documentation to support choice.*

_____
_____
_____
_____
_____
_____

Date _____

Name and signature _____

_____

ANNEX N: DERATING FACTOR

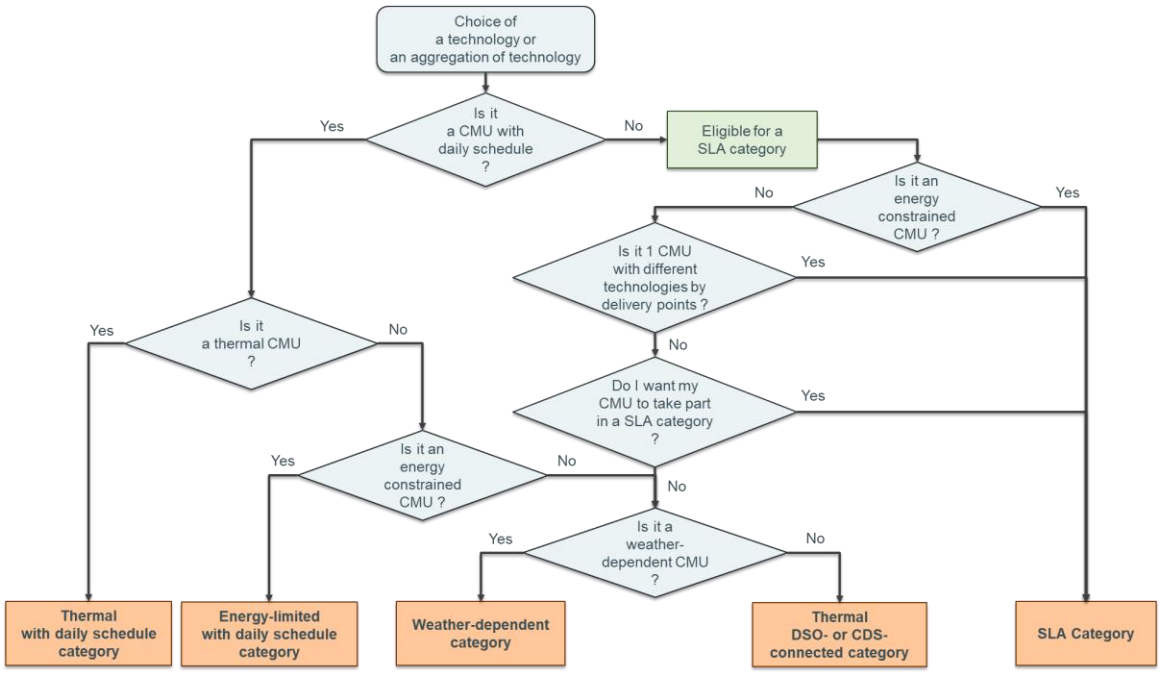
This Annex is a reminder of some part of the Design note on the Derating Factors that can be found on the ELIA website (https://www.elia.be/-/media/project/elia/elia-site/ug/crm/2020/crm-design-notes---september-2019---all.pdf).

The first criterion to choose a category is related to the Daily Schedule. Every technology with Daily Schedule is associated with the Derating Factor related to its technology (weather-dependent, energy limited or thermal).

Every technology without Daily Schedule is eligible for a SLA category. There are two particular cases:

- The selection of a SLA category (associated to an availability duration) is an obligation for:
  - Energy Constrained CMUs; and
  - CMUs with delivery points associated to different technologies.
- The CRM Candidate can choose between SLA category (associated to an availability duration) and derating category (associated to a technology) for:
  - Weather-dependent technologies without Daily Schedule; and
  - Thermal DSO- or CDS-connected technologies without Daily Schedule.

This selection process is presented on the figure below.



ANNEX O: PROJECT EXECUTION PLAN FOR ADDITIONAL CMUs

1. Content of the project execution plan

The project execution plan is the document that establishes the means to execute the project that will allow the CMU to become an Existing CMU during the pre-delivery period (as per document XX (pre-delivery)). It serves as the main communication vehicle to ensure to ELIA that the CRM Candidate is aware and knowledgeable of the project objectives and how they will be accomplished.

There is no template for such a plan. Therefore, the CRM Candidate can organize its project execution plan as it sees fit.

However, the document shall at least contain:

- A short description of the project;
- If relevant, the list of the permits already obtained and the validity date (as per section 2);
- If relevant, the list of the permits that shall still be obtained;
- The date for the Key Milestones (see section 3);
- The strategy adopted to achieve the Key milestones in a timely manner;
- The list of the required interactions with third parties: DSO, CDSO, Gas Infrastructure Operator (as per section 2) or ELIA;
- If relevant, a positive technical agreement as foreseen in the connection process detailed in the Federal Grid Code that have been signed with ELIA prior to and no later than the prequalification result notification (such agreement shall remain valid at least until the notification of the Auction results as per service time schedule).

2. List of documents to provide

The following document shall be provided by the CRM Candidate to ELIA as part of the Prequalification File in addition to the project execution plan:

- **Signed conditional offer to connect to the gas network infrastructure**

For gas technology, a signed conditional offer from the gas network infrastructure shall be provided to ELIA by the CRM Candidate as part of the project execution plan.

- **The list of the different permits that are relevant for the project:**
  - Environnemental permit ;
  - Construction permit (included Right of way and permits);
  - Governmental approval;
  - Production permits;

In these documents, the validity date of the permits shall be mentioned.

3. List of key milestones

The table below shall be completed and provided along with the Project Execution Plan during the Prequalification file submission. It contains the dates of the Key Milestones that will have to be respected by the Capacity Provider during the Pre-delivery Period. The chosen dates shall represent the worst case scenario.

The table below only serves to describe each Key Milestones and must not be completed and sent to ELIA. Indeed, the dates for these Key Milestones will be completed via the Prequalification Platform. These dates represent the point at which the Key Milestone is reached by the CRM Candidate during the project works.

Key Milestones	Description of the Key Milestones	Key Milestone date
Spatial Plan	A spatial plan is a Field Check Area For Construction Project	…/…/…
Workforce and Capacity Planning	A Workforce and Capacity Planning is a process of determining and planning your workforce to ensure that you have the right mix and numbers of staff, with the right skills and knowledge, to meet demand, now and in the future.	…/…/…
Permitting	The Key Millstone is reached when all necessary licenses/permits for the construction of the project have been obtained.	…/…/…
Commencement of construction works	The date for this Key Milestone represents the moment at which the two following milestones are achieved : - Whether an engineering, procurement and construction (EPC) contract (or any contract or suite of contracts having the same effect) is in full force and effect in respect of each new or refurbished Generator Unit or Interconnector providing the awarded Capacity; - Whether work specific to on-site construction of each actual new or refurbished Generator Unit or Interconnector providing the awarded Capacity has commenced which, for the avoidance of doubt, does not include design work, minor civil works or works to prepare the site for construction work.	…/…/…
Final purchase order for the main equipment	The Key Milestone is reached whether the Main Equipment (as defined in XX) has been ordered and the Delivery date is known by the CRM Candidate.	…/…/…

Mechanical Completion	The Key Milestone is achieved: - in respect of a new or refurbished Generator Unit, when the primary mechanism to generate electricity (whether this is via a turbine, any mechanical or electrical device or installation of any other technology, e.g. photo voltaic) is installed on-site; - in respect of a new or refurbished Interconnector, when the necessary cabling is installed;	…/…/…
Commissioning tests	The Key Milestone is achieved when the required offline and online commissioning tests are finalized and successful[10]	…/…/…
Final Completion	The Key Milestone is achieved when: - The project has achieved all the technical and performance requirements set out in the construction contract. - All punch list items have been completed (unless the parties otherwise agree). - The contractor has paid to the owner of the project any delay or performance liquidated damages that may be payable. - The contractor has transferred to the owner of the project title to all materials and equipment used in the construction of the project. - The final payment has been made to the contractor.	…/…/…

[10] The online commissioning tests required by ELIA for a generator unit will be further detailed when discussing pre-delivery monitoring process with market parties

ANNEX P: PROJECT EXECUTION PLAN FOR AN UNPROVEN CMU

This annex is still being elaborated by ELIA and will be shared with market parties at a later stage when discussing the **pre-delivery monitoring process**.

ANNEX Q:APPLICATION FORM COMPLIANCE CHECK

This annex will be elaborated by ELIA and will be shared with market parties at a later stage once the content of market rules proposal (specifically related to section 4 of prequalification) is presented to market parties (implementation Task Force of 05/05/2020) and possible remarks/ suggestions taken into account.

ANNEX R: PREQUALIFICATION FILE COMPLIANCE CHECK

This annex will be elaborated by ELIA and will be shared with market parties at a later stage once the content of market rules proposal (specifically related to section 4 of prequalification) is presented to market parties (implementation Task Force of 05/05/2020) and possible remarks/ suggestions taken into account.

ANNEX S: DETERMINATION OF NOMINAL REFERENCE POWER

ILLUSTRATION OF METHOD 1 – HISTORICAL DATA

This Annex aims to represents the way the Nominal Reference Power of a Delivery Point is determined by using the method 1 (Use of historical data). The graphs below serve only as examples and are not based on actual data.

In the event that the CRM Candidate choses the method 1 for determining a Nominal Reference Power, the first step is to extract the 15-minutes measurements related to a Delivery Point over a certain period of time. If the Delivery Point inject or consume capacity since more than 12 months, this period will be equal to 12 months. If not, the period will start with the date of the first injection or offtake into the Grid and ends with the Prequalification file submission date.

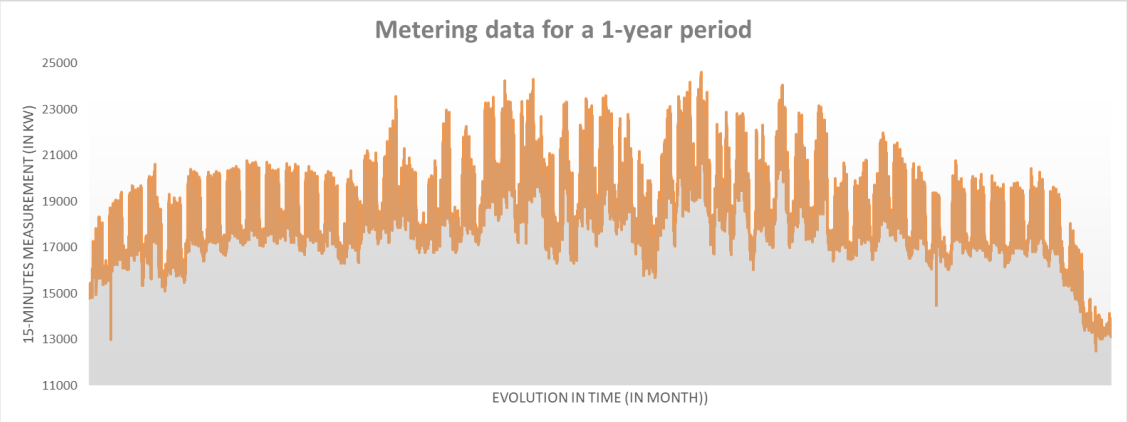
The second step is to zoom on each period of 36 hours (starting from 12:00 until 23:45 of the following day) and to determine the highest power variation for this period. How this variation is determined depends on the Delivery Point is a consumption or an injection point.

Finally, the third step is to determine the Nominal Reference Power of the Delivery Point by taking the highest power variation between each of these periods of 36 hours. In this way, over a 12 month period of time, ELIA selects the highest Nominal Reference Power amongst 365 calculations.

Illustration with a Net offtake Delivery Point

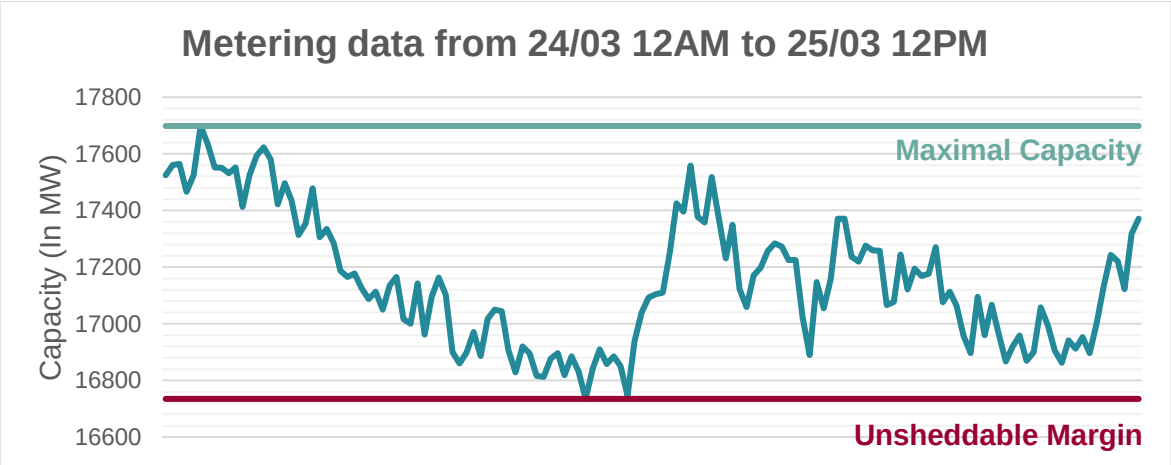
Step 1 – Historical data:

The following graph represents the 15-minutes measurement for a consumption Delivery Point over 12 months.



Step 2[11] – Zoom on periods of 36 hours:

The graph below is an extension of the period from March 24th at 12:00 to March 25th at 12:00.



The Nominal Reference Power of the Delivery Point for the period going from March 24th 12AM to March 25th 12PM is obtained by determining the highest power variation. In case of offtake, this variation is done by making the difference between the maximal capacity and the Unsheddable Margin (communicated by the CRM Candidate into the Prequalification file).

$$Nominal\ Reference\ Power_{period\ x} = 17.698{,}3 - 16.743{,}74 = 954.56\ kW = 0.95MW$$

Step 3 – Maximum of all (365) periods

The Nominal Reference Power of the Delivery Point is equal to the highest power variation between each of these zooms on periods of 36 hours. In this way, over a 12 months period of time, ELIA selects the highest Nominal Reference Power amongst 365 calculations (in case of leap year):

$$Max\left(NRP_{period\ 1} + NRP_{period\ 2} + \cdots + NRP_{period\ 365}\right) = 1{,}25MW$$

[11] In the event that the CRM Candidate choses the method 3 (section 6.1.1.1.1.3) for determining a Nominal Reference Power, ELIA will go straight and only to this step two (2) as the CRM Candidate does not want to use the historical data.

ANNEX T: EVOLUTION IN TIME

This annex is still being elaborated by ELIA and will be shared with market parties at a later stage.

ANNEX U: REMAINING ELIGIBLE VOLUME

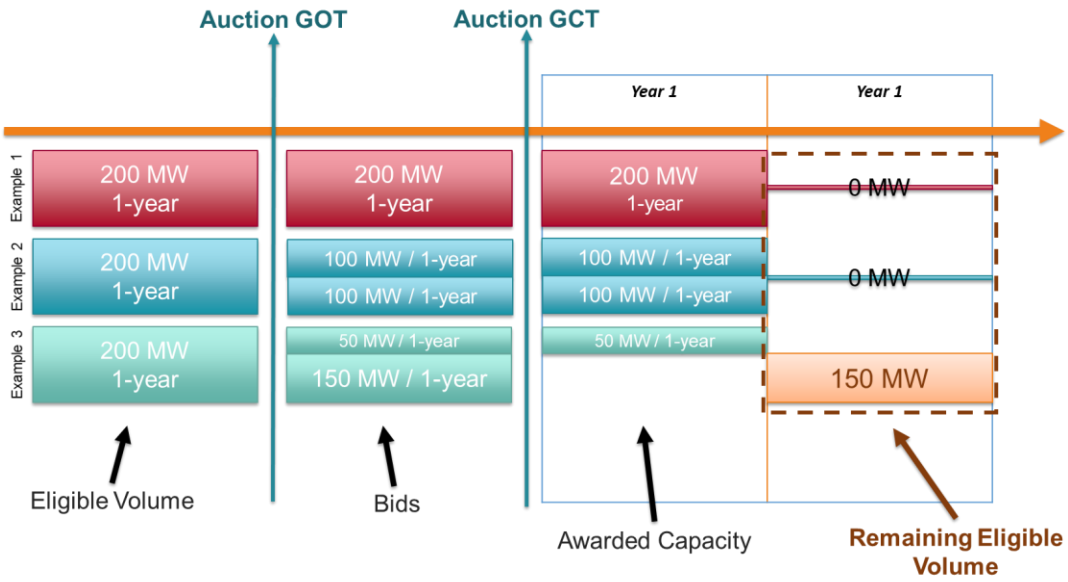
This Annex aims to resume schematically what is a Remaining Eligible Volume in some different possible cases. Of course, a combination of the possible cases is possible in practice. In such circumstances, ELIA will apply the corresponding combination of rules to determine the Remaining Eligible Volume.

1. Contract duration of 1-year

The Remaining Eligible Volume issued from a Capacity Contract Duration of 1-year can only be used for the **Secondary Market** during the Delivery Period of the related Capacity Contract.

The definition of the exact volume available to trade in the Secondary Market is detailed in document XX (Secondary Market).

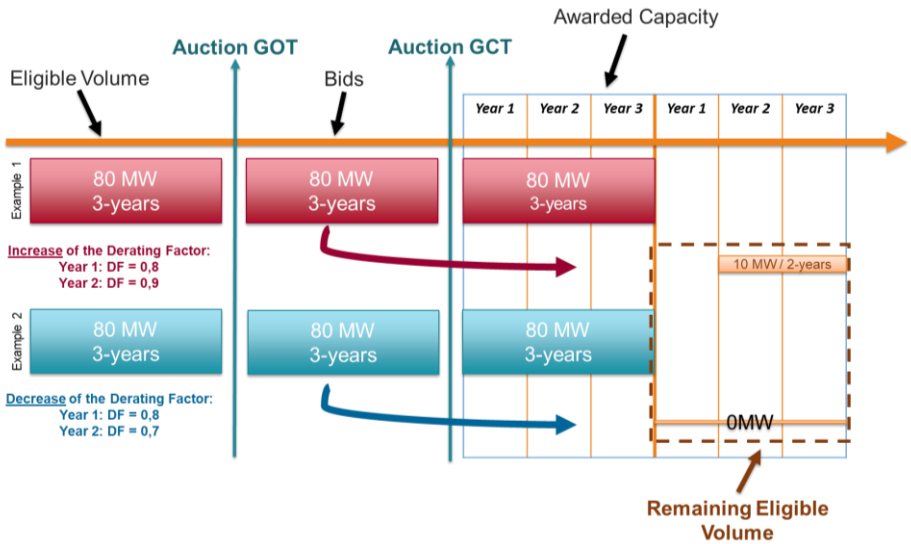
Illustration 1: Awarded Capacity lower than the Eligible Volume (200 MW)



2. Contract duration higher than 1-year

Illustration 1: Increase of the Derating Factor over time

The Remaining Eligible Volume issued from a Contract Duration higher than 1-year and from an increase of the Derating Factor over time can be used for the **Primary Market** and the **Secondary Market** from the moment this Remaining Eligible Volume has be notified to the Capacity Provider by ELIA following the publication of the new Derating Factors.



At the end of the Capacity Transaction Period, the Eligible Volume will be equal to 90 MW in example 1 and to 07 MW in example 2.

Illustration 2: Awarded Capacity lower than the Eligible Volume

The Remaining Eligible Volume issued from a Contract Duration higher than 1-year and from a Contracted Capacity lower than the Eligible Volume can be used in the **Primary Market** and the **Secondary Market** during the Delivery Period of the related Capacity Contract.