

Secondary Market Use Case 4

New Project with two possible configurations:
CCGT or 2 OCGT on a site



DISCLAIMER



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 its annexes by means of examples.

Given that the CRM process consists of several steps, and for each of these steps, several layers of information and details are relevant, it is to be understood that this document focuses on most pertinent Secondary Market aspects.

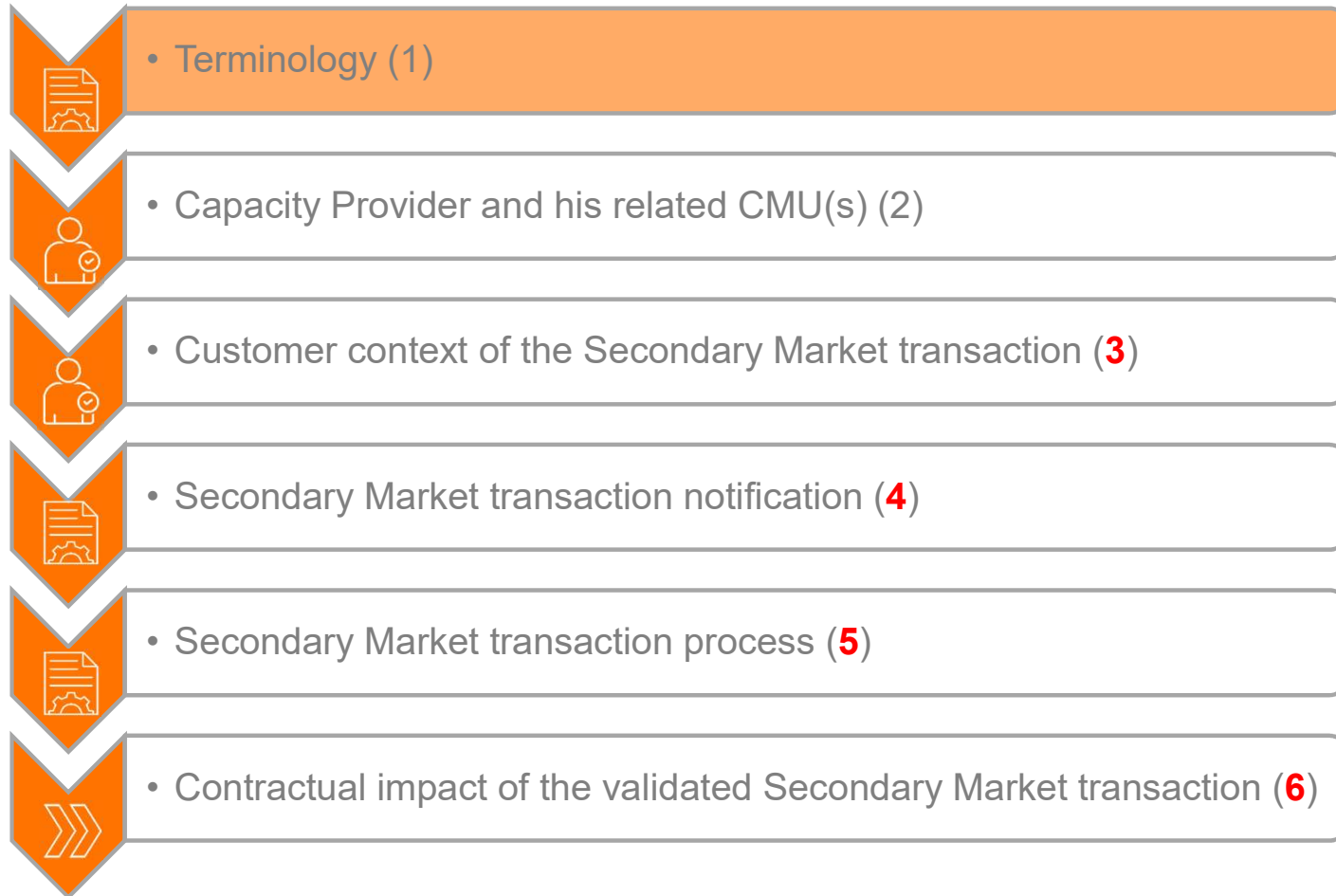
By no means, the use cases replace the rules in the relevant Laws, Royal Decrees, and regulatory approved documents.

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 use cases developed in this document are based on the chapter *Secondary Market* of the Functioning Rules as known at the moment of writing and shared with market parties on 28/08/2020. It also obviously follows the context set by the Electricity Law.

USE CASE STRUCTURE

! Information: the Use Case capitalizes on the structure to illustrate the operational treatment of 5 Transactions.
Therefore, 5 iterations are performed on the elements 3 to 6 of the structure.

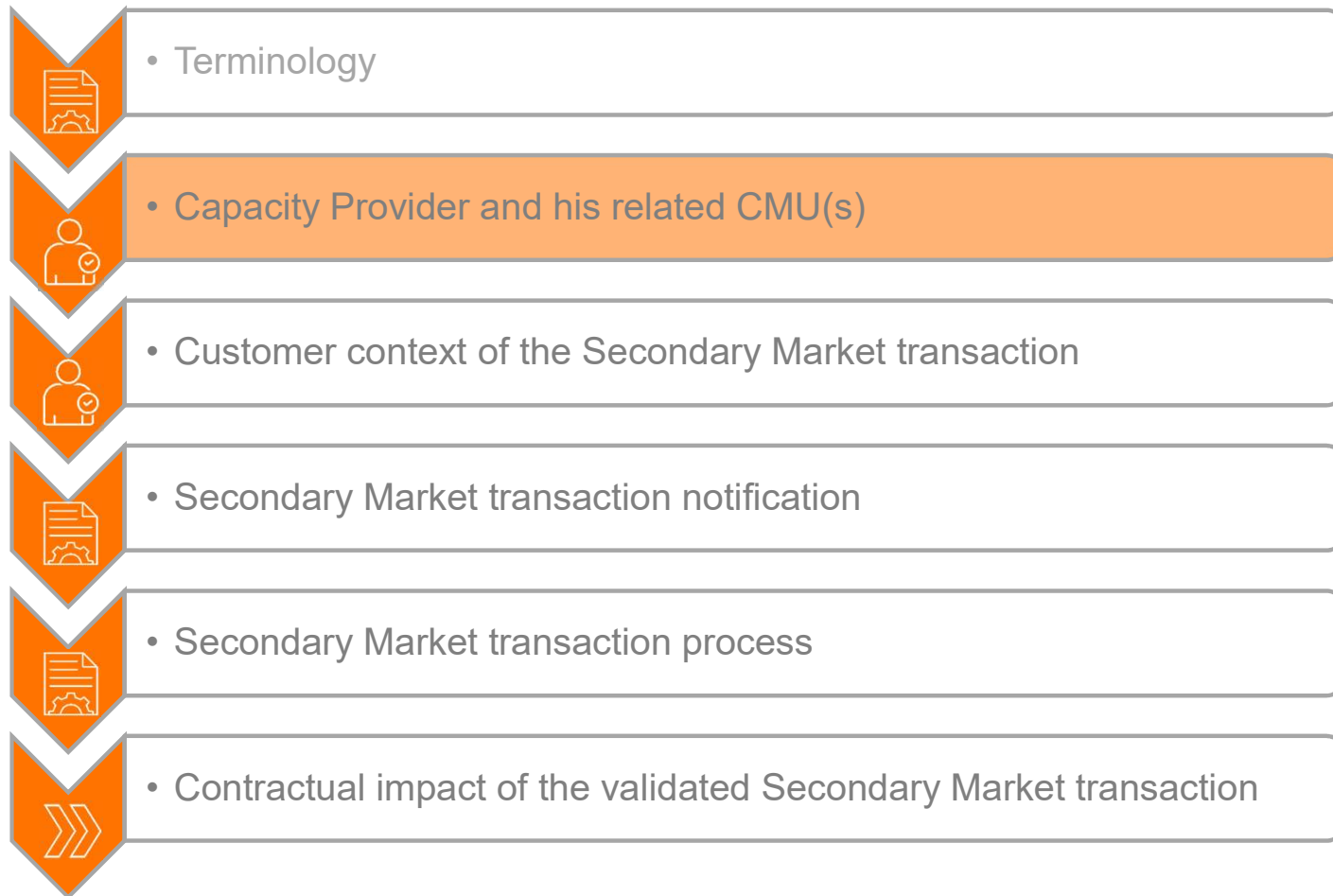




1. Terminology related to the Secondary Market

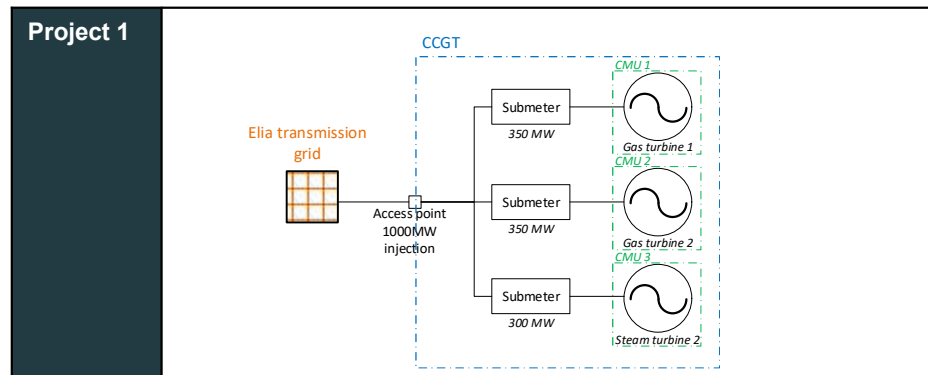
- **A Secondary Market transaction** is to be officially communicated to ELIA via a **notification** containing its relevant and mandatory parameters. The notification has to be provided to ELIA in order to ensure that, once approved, and registered with the Contractual Counterparty under the form of a Capacity Contract, the necessary Financial Security, Pre-delivery control, Availability Obligations & Penalties, Payback Obligation, Settlements and Payments are correctly handled and settled.
- **Full transfer:** Any approved Secondary Market transaction implies a full transfer of the contractual rights (e.g. the payment of the capacity remuneration) and obligations (e.g. the Availability obligation) related to the part of the Contracted Capacity yielded, the Secondary Market Capacity on the Transaction Period releasing an obligation, as from the Transaction of the **Seller of an Obligation** Capacity Contract, towards a new Transaction on the CMU in the Capacity Contract of the **Buyer of an Obligation** in the Secondary Market transaction.
- **Transaction Period:** is the time period on which the Secondary Market transaction relies and determined by its start and end dates/times.
- **Transaction Date of a Secondary Market transaction:** is determined and logged as the official acknowledgement of reception timestamp (date and time) by ELIA of the **notification**.
- **Ex-ante Secondary Market transaction:** if the Transaction Date is prior to the AMT moments determination of the day in which the start of the Transaction Period relies.
- **Ex-post Secondary Market transaction:** if the Transaction Date is after the AMT moments determination of the day in which the start of the Transaction Period relies.
- **Transaction Validation Date:** For a Transaction on the Secondary Market, the date and time at which it is validated by the Contractual Counterparty.

USE CASE STRUCTURE



2. Prequalified CRM Candidate and his related CMU(s)

- **EnergyProducer.SA/NA is owner of a site** (located in Belgium) on which the project 1 became Existing
- **New built exclusive CCGT Project 1:** CCGT 2on1
 - 2GT of 350MW each and one ST of 300MW connected to both GT
 - Total: 1000MW Installed Capacity
 - Derating Factor of CCGT = 0,9 (at Auction Y-4 2021)
 - Operational efficiency expected 60% at normal temperature
 - Project was awarded in Auction Y-4 2021 of a Capacity Remuneration of 50k€/MW/y



2. Prequalified CRM Candidate and his related CMU(s)

➤ As a reminder after the *Pre-Delivery Control results*, in January 2025, the CMUs are already Existing and:

	Results of the volumes determination		
	CMU 1	CMU 2	CMU 3
<i>Nominal Reference Power of the CMU</i>	349 MW	352 MW	305 MW
<i>Opt-Out Volume of the CMU (IN)</i>	0 MW	0 MW	0 MW
<i>Contracted Capacity</i>	315 MW	315 MW	270 MW

- The Last Published Derating Factor is at 0,93 at that date for the CCGT CMUs.
- CCGT registered the Nominal Reference Power in the Prequalification processes to the new figures
 - ➔ (349, 352 and 305MW respectively)
- CCGT owner did not declare any decrease of the Remaining Maximum Capacity
 - ➔ so that it is by default equal to the Nominal Reference Power (349, 352 and 305MW respectively)



2. The context of the Capacity Provider and his related CMU



- In February 2025, EnergyProducer had then 3 Existing CMUs with a Transaction on each of them
- Nevertheless, being very confident in its availability on the Delivery Period 2025 (DP 2025), he decided to increase portfolio of Contracted Capacities through the Secondary Market:
- The CCGT is a non-Energy Constrained CMU and the owner as a Buyer of an Obligation estimates its potential:
As reminder in ex-ante (Transaction Date prior the Transaction Period) and if the CMU is a Non-Energy Constrained CMU:

$$\text{Secondary Market Remaining Eligible Volume} = \text{Max} \left(0 ; \left[\left[\text{Remaining Max Capacity} - \text{Total Contracted Capacity} \right] - \left[\text{OptOut Volume} \times \text{Last Published Derating Factor} \right] \right] \right)$$

- Potential of Secondary Market Capacity on the CCGT is estimated to:
 - CMU1 Secondary Market Remaining Eligible Volume = $349 - 315 - 0 \times 0,93 = 34$ MW
 - CMU1 Secondary Market Remaining Eligible Volume = $352 - 315 - 0 \times 0,93 = 37$ MW
 - CMU1 Secondary Market Remaining Eligible Volume = $305 - 270 - 0 \times 0,93 = 35$ MW
- CCGT owner enters into bilateral negotiation to take over part of the Contracted Capacities of **CptyE** in the Secondary Market

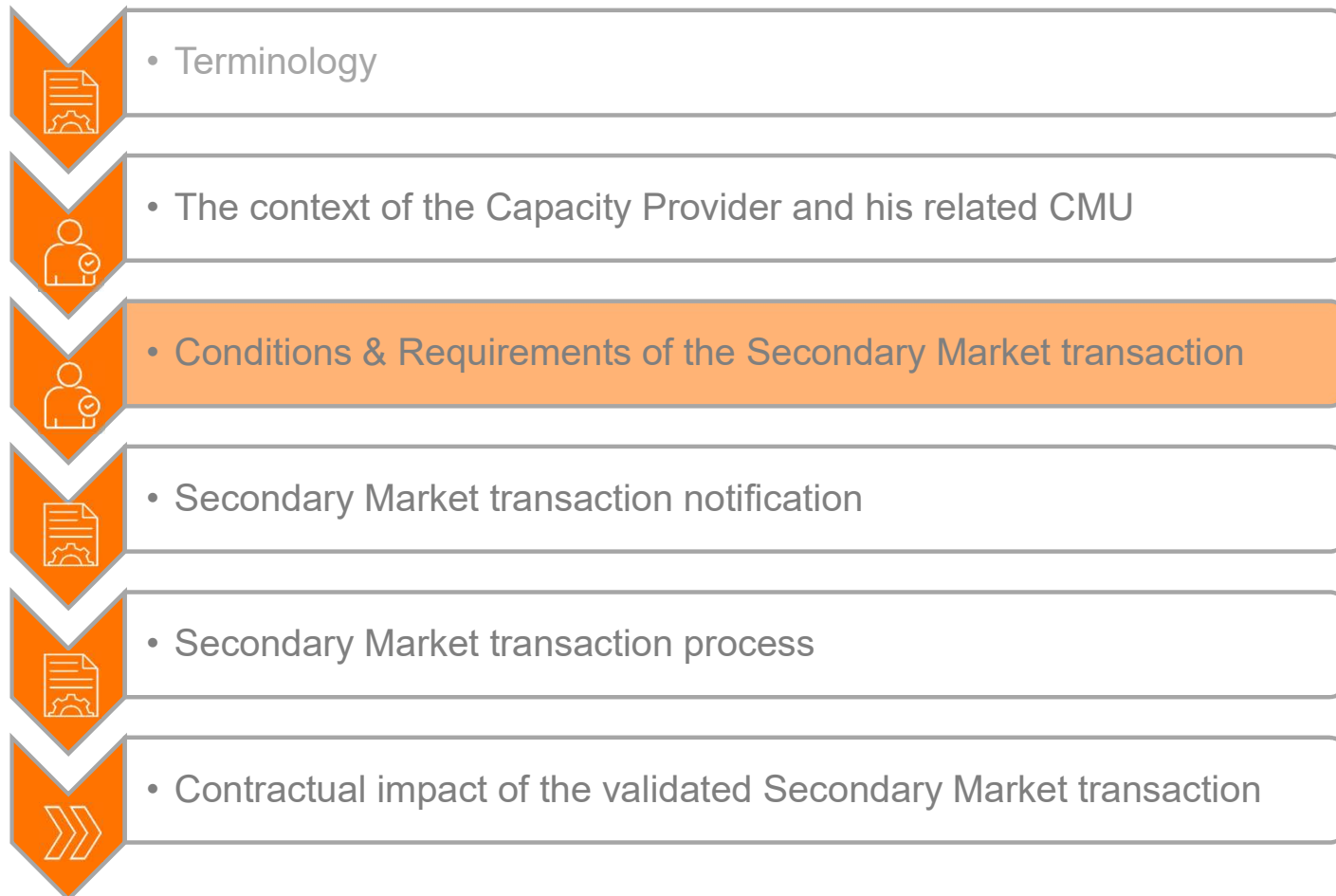


2. The context of the Capacity Provider and his related CMU



- 1st, 2nd and 3rd Transaction: February 2025: CCGT owner enters into bilateral negotiation with **CptyE** to take over part of his Contracted Capacities in the Secondary Market
 - **CMU 1, 2 and 3** may respectively take over **5, 5 and 3 MW** from the CMU Transaction of **CptyE**
 - **The CMU of CptyE has only issue to delivery the 13MW on the month of December 2025**
- So that, the Transaction Period is aiming to be: [01/12/2025 00:00 to 31/12/2025 midnight]
- Both counterparties expect a validation of the Secondary Market transaction well before in February 2025, so that an **ex-ante** Transaction status is expected.

USE CASE STRUCTURE





3. Conditions & Requirements of the Secondary Market transaction



- Their 5MW, 5MW and 3MW bilateral agreements are built on the **CptyE** (as a Seller of an Obligation) and **EnergyProducer** (as a Buyer of an Obligation) prior checks of compliance with the Conditions & Requirements of participation in the CRM Secondary Market

- Following the Conditions:
 - The Seller of an Obligation (**CptyE**) is a Capacity Provider.

 - EnergyProducer as a Buyer of an Obligation is also a Capacity Provider (but could have been a Prequalified CRM Candidate) and is not under a contract escalation impeaching him to contract more in the Secondary Market

 - The CMUs of EnergyProducer are prequalified, considered as Existing and not under a contract escalation impeaching him to contract more in the Secondary Market



3. Conditions & Requirements of the Secondary Market transaction



- Following the Requirements:
 - The Transaction Periods are shorter than a full Delivery Period (solely December 2025) which are strictly within the Transaction Period of the Transaction releasing an Obligation
 - The volumes of 5; 5 and 3MW are considered as the Secondary Market Capacities of three Transactions and are:
 - Far below the Transaction releasing an Obligation of the CMU of CptyE Contracted Capacity (150MW)
 - Below the Secondary Market Remaining Eligible Volume of the CMU of EnergyProducer which thinks he can still contract 34, 37 and 35MW respectively on the entire Delivery Period 2025 (as the Remaining Maximum Capacity = Nominal Reference Power)
 - As we are in start 2025, in the Pre-Delivery Period of Delivery Period 2025 (Transaction Date in February 2025), well before the AMT moment determination of the start's day of the Transaction Period (December 2025), an **ex-ante** status is expected
 - A **Financial Security obligation applies** to the Transaction, as the Transaction Date takes place before the start date of the Delivery Period in which the Transaction Period falls:
 - **Transaction(s) Date(s)**: 13/02/2025 9h45; 9h50 ; 9h55 respectively (see details in the next slides)
 - **Transaction Period**: 01/12/2025 – 31/12/2025
 - **Start of the Delivery Period related to the Transaction Period**: 01/11/2025



See next slide for the calculation of the additional Financial Security amount.



3. Conditions & Requirements of the Secondary Market transaction

- The Financial Security amount (= Secured Amount) is calculated **at the level of each CMU** :

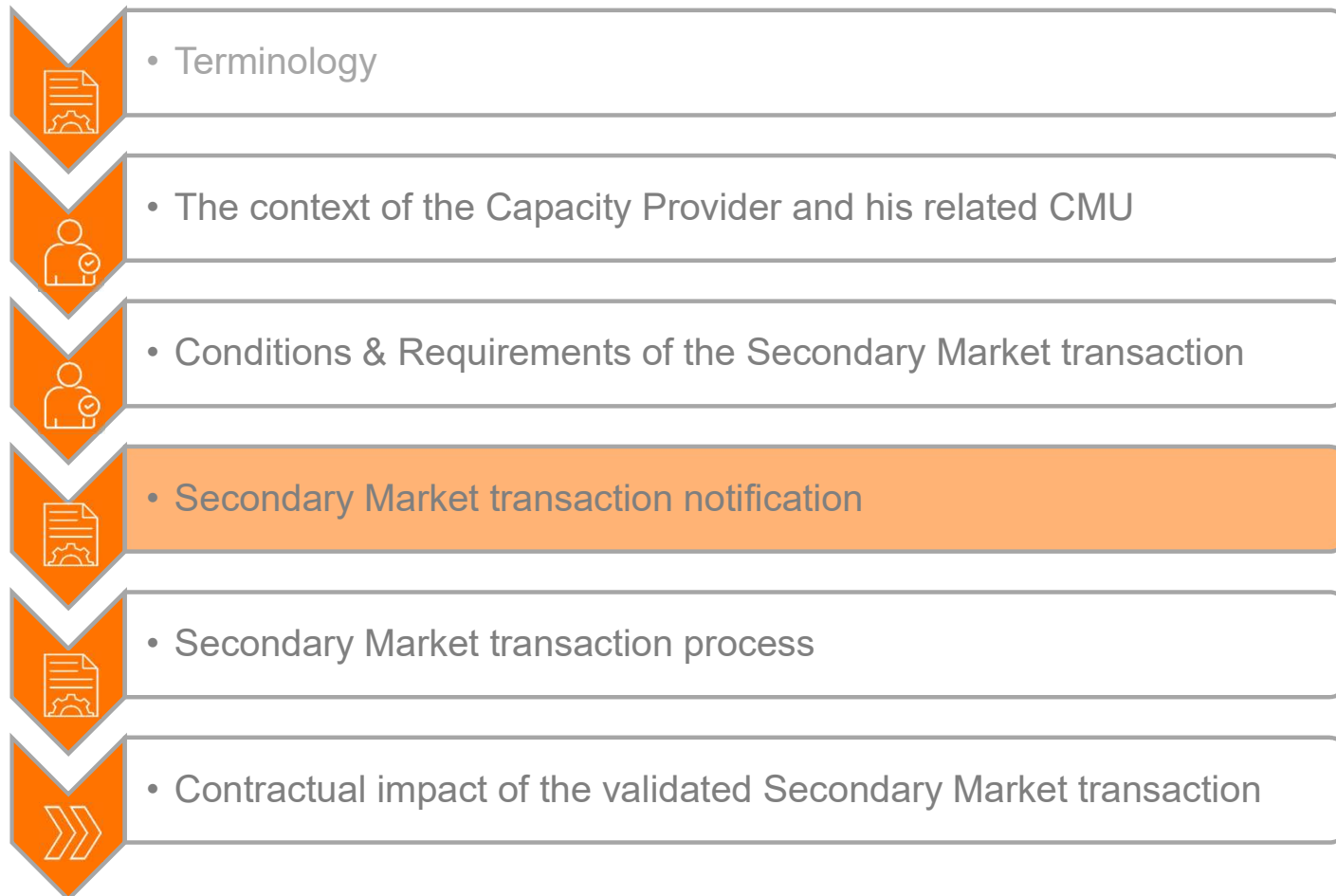
$$\text{Secured Amount} = \text{Financial Security Volume} * \text{Required Level}$$

	Calculation of additional Secured Amounts		
	CMU 1	CMU 2	CMU 3
Financial Security Volume (in function of max. Total Contracted Capacity)	315 MW + 5MW = 320 MW	315 MW + 5 MW = 320 MW	270 MW + 3 MW = 273
Required Level (for CMUs with existing status)	EUR 10 000/MW	EUR 10 000/MW	EUR 10 000/MW
Secured Amount <i>Financial Security Volume x Required Level</i>	EUR 3 200 000	EUR 3 200 000	EUR 2 730 000
Financial Security already provided	EUR 3 150 000	EUR 3 150 000	EUR 2 700 000
Additional Financial Security	EUR 50 000	EUR 50 000	EUR 30 000



The additional Financial Security is to be provided together with EnergyProducer's notifications of the transactions to ELIA. Without the additional Financial Security, ELIA will not approve the transaction.

USE CASE STRUCTURE





4. Secondary Market transaction notification

As a reminder of the Functioning Rules, the purpose of the notification towards ELIA is to:

- 1) Recognize the existence Secondary Market transaction with an acknowledgment of reception
- 2) Determine the Transaction date
- 3) Determine the status ex-ante or ex-post of the Secondary Market transaction
- 4) Acquire all elements of the Secondary Market transaction for the verification of the good respect of all conditions and requirements of the Secondary Market transaction in the next phase
 - ➔ the process of it

4. Secondary Market transaction notification (3 first Transactions)

Both counterparties connect on the CRM IT Interface – Secondary Market title transfer facility and send the notification content towards ELIA

→ 5MW on CMU1

Despite a transfer on solely one month, as the CptyE Transaction was a 8 years Contract, the Strike Price indexation is embedded
 → Nevertheless, as the months are on the first Delivery Period, no influence of indexation on the Strike Price

Information	Type	Unit	Unit
Secondary Market transaction external ID	Free field of 6 alphabet letters followed by 6 digits	NA	PLMDSE237845
Seller of an Obligation ID	Capacity Provider ID	NA	= CptyE ID as CRM Candidate
CMU of the Seller of an Obligation	CMU ID	NA	= CMU ID of CptyE
Transaction releasing an obligation	Transaction ID	NA	= Transaction ID of CptyE of 150MW
Buyer of an Obligation	Capacity Provider ID or Prequalified CRM Candidate ID	NA	= EnergyProducer ID as CRM Candidate
CMU of the Buyer of an Obligation	CMU ID	NA	= CMU1 ID of EnergyProducer
Secondary Market Capacity	Floating	MW	5
Transaction Period	Date / Time to Date / Time	Time	01/12/2025 00:00 to 01/01/2026 00:00
Capacity Remuneration	Floating	€/MW/year	27 000
Calibrated Strike Price of the Transaction	Floating	€/MWh	500
Strike Price indexation Auction year	Integer or "NA"	Year	2021
Strike Price indexation Auction type	"Y-4", "Y-1" or "NA"		Y-4

4. Secondary Market transaction notification (3 first Transactions)

Both counterparties connect on the CRM IT Interface – Secondary Market title transfer facility and send the notification content towards ELIA

→ 5MW on CMU2

Information	Type	Unit	Unit
Secondary Market transaction external ID	Free field of 6 alphabet letters followed by 6 digits	NA	PLMDSE237847
Seller of an Obligation ID	Capacity Provider ID	NA	= CptyE ID as CRM Candidate
CMU of the Seller of an Obligation	CMU ID	NA	= CMU ID of CptyE
Transaction releasing an obligation	Transaction ID	NA	= Transaction ID of CptyE of 150MW
Buyer of an Obligation	Capacity Provider ID or Prequalified CRM Candidate ID	NA	= EnergyProducer ID as CRM Candidate
CMU of the Buyer of an Obligation	CMU ID	NA	= CMU2 ID of EnergyProducer
Secondary Market Capacity	Floating	MW	5
Transaction Period	Date / Time to Date / Time	Time	01/12/2025 00:00 to 01/01/2026 00:00
Capacity Remuneration	Floating	€/MW/year	27 000
Calibrated Strike Price of the Transaction	Floating	€/MWh	500
Strike Price indexation Auction year	Integer or "NA"	Year	2021
Strike Price indexation Auction type	"Y-4", "Y-1" or "NA"		Y-4

4. Secondary Market transaction notification (3 first Transactions)

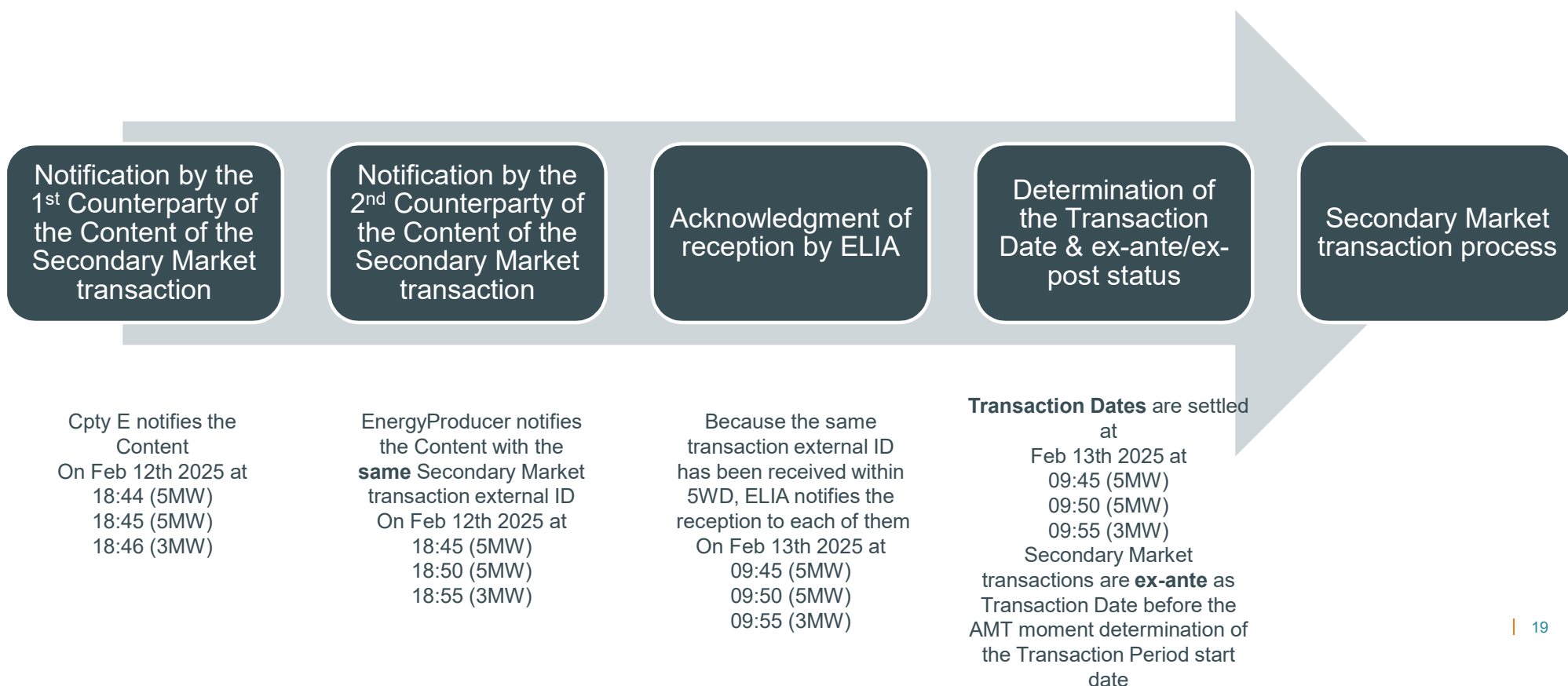
Both counterparties connect on the CRM IT Interface – Secondary Market title transfer facility and send the notification content towards ELIA

→ 3MW on CMU3

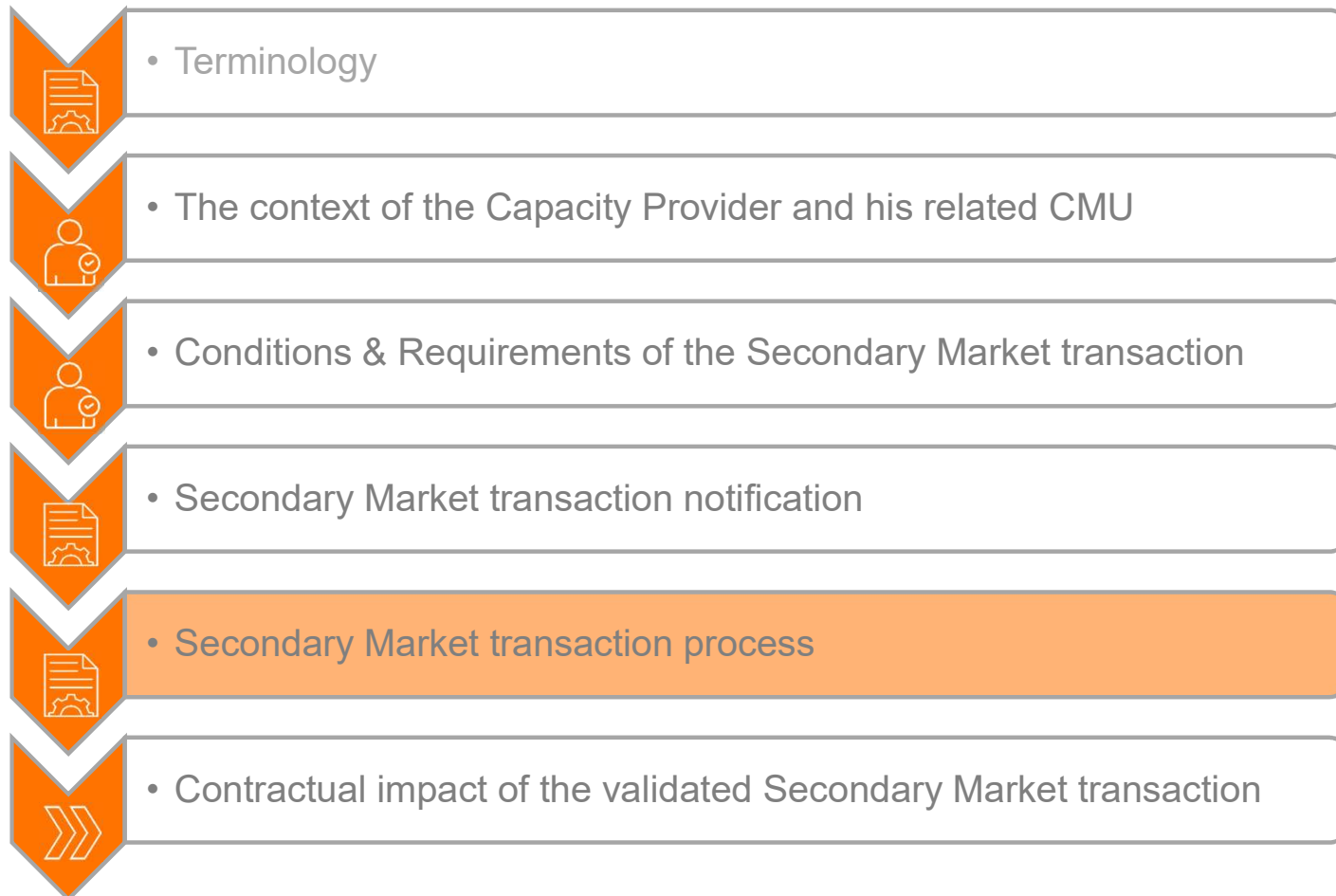
Information	Type	Unit	Unit
Secondary Market transaction external ID	Free field of 6 alphabet letters followed by 6 digits	NA	PLMDSE237849
Seller of an Obligation ID	Capacity Provider ID	NA	= CptyE ID as CRM Candidate
CMU of the Seller of an Obligation	CMU ID	NA	= CMU ID of CptyE
Transaction releasing an obligation	Transaction ID	NA	= Transaction ID of CptyE of 150MW
Buyer of an Obligation	Capacity Provider ID or Prequalified CRM Candidate ID	NA	= EnergyProducer ID as CRM Candidate
CMU of the Buyer of an Obligation	CMU ID	NA	= CMU3 ID of EnergyProducer
Secondary Market Capacity	Floating	MW	3
Transaction Period	Date / Time to Date / Time	Time	01/12/2025 00:00 to 01/01/2026 00:00
Capacity Remuneration	Floating	€/MW/year	27 000
Calibrated Strike Price of the Transaction	Floating	€/MWh	500
Strike Price indexation Auction year	Integer or "NA"	Year	2021
Strike Price indexation Auction type	"Y-4", "Y-1" or "NA"		Y-4

4. Secondary Market transaction notification

The process to be followed by the Prequalified CRM Candidates (or Capacity Providers) when performing a notification for a Secondary Market transaction is represented in the following diagram:



USE CASE STRUCTURE





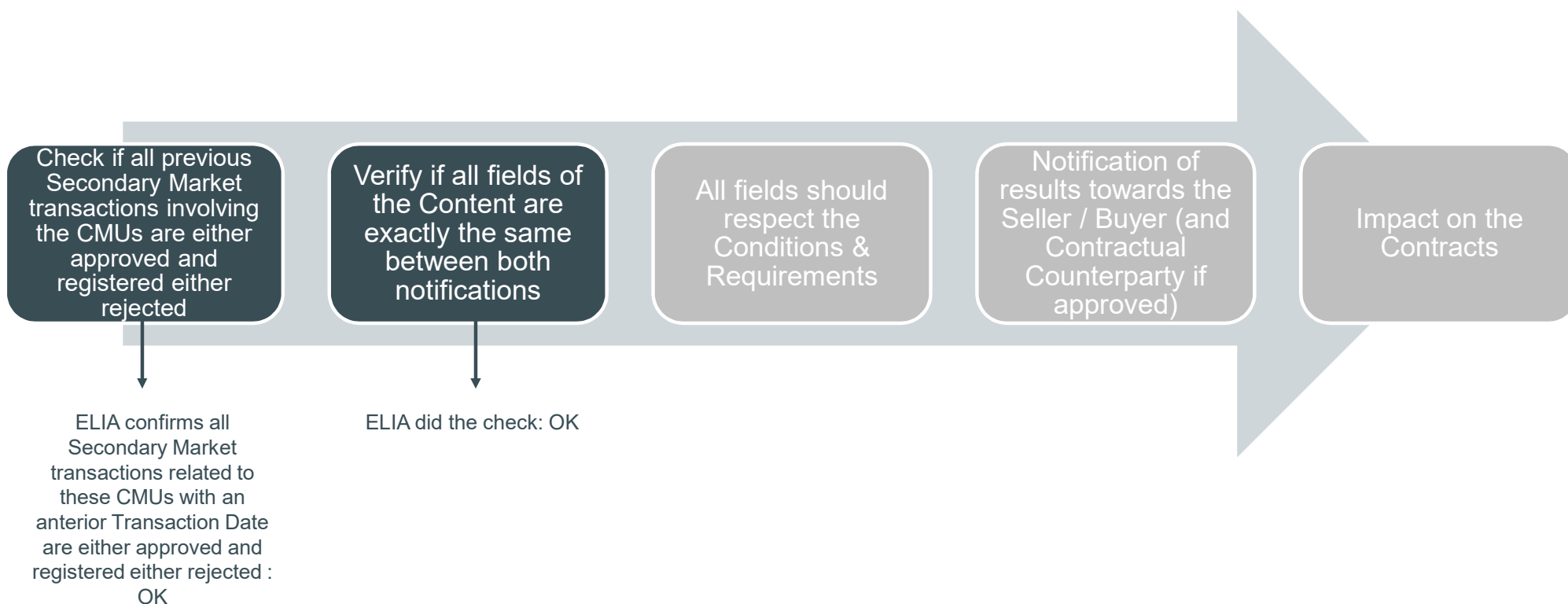
5. Secondary Market process

As a reminder of the Functioning Rules:

- The purpose of the notification towards ELIA is to verify the good respect of all conditions and requirements of the Secondary Market transaction
- ELIA processes each Secondary Market transaction:
 - By order of acknowledgment of reception date → by Transaction Date
 - Once all Secondary Market transactions with earlier Transaction Dates of the involved CMUs are either approved and registered either rejected
 - Meaning first the 5MW on CMU1 then the other 5MW on CMU2 and finally the last 3MW on CMU3 because the CMU of CptyE is the same
 - If approved by ELIA, the details of both impact on the Contracts is transferred towards the Contractual Counterparty and to the Seller and the Buyer individually.
- If rejected by ELIA, the fields not respecting the Conditions and Requirements of a Secondary Market transaction are communicated towards the Prequalified CRM Candidates or Capacity Providers (or Capacity Providers)

5. Secondary Market process

The process to be followed by the Prequalified CRM Candidates (or Capacity Providers) when performing a notification for a Secondary Market transaction is represented in the following diagram:





5. Secondary Market process (1st 5MW Transaction)

Check if all previous Secondary Market transactions involving the CMUs are either approved and registered either rejected

Verify if all fields of the Content are exactly the same between both notifications

All fields should respect the Conditions & Requirements

Notification of results towards the Seller / Buyer (and Contractual Counterparty if approved)

Impact on the Contracts

- ✓ The Secondary Market transaction ID is unique to the CMUs
- ✓ The notification has been issued by both the Seller and the Buyer of an Obligation in the transaction
- ✓ The Transaction releasing an obligation of the CMU of the Seller of Obligation (**CptyE**) has a Contracted Capacity which is above or equal the 5MW Secondary Market Capacity on the Transaction Period which is [December 2025]
- ✓ The CMU of the Buyer of an Obligation (**EnergyProducer**) has a Secondary Market Remaining Eligible Volume which is above or equal the 5MW Secondary Market Capacity on the Transaction Period which is [December 2025]
- ✓ The CMU1 of EnergyProducer is not under any contractual escalation impeaching them to take over the 5MW
- ✓ EnergyProducer has provided additional Financial Security for at least an amount of **50 000 EUR valid until the start of the Delivery Period ('Nov 2025)**.
- ✓ The Strike Price and the Capacity Remuneration of the Transaction releasing an Obligation are the one of its Contract



5. Secondary Market process

Check if all previous Secondary Market transactions involving the CMUs are either approved and registered either rejected

Verify if all fields of the Content are exactly the same between both notifications

All fields should respect the Conditions & Requirements

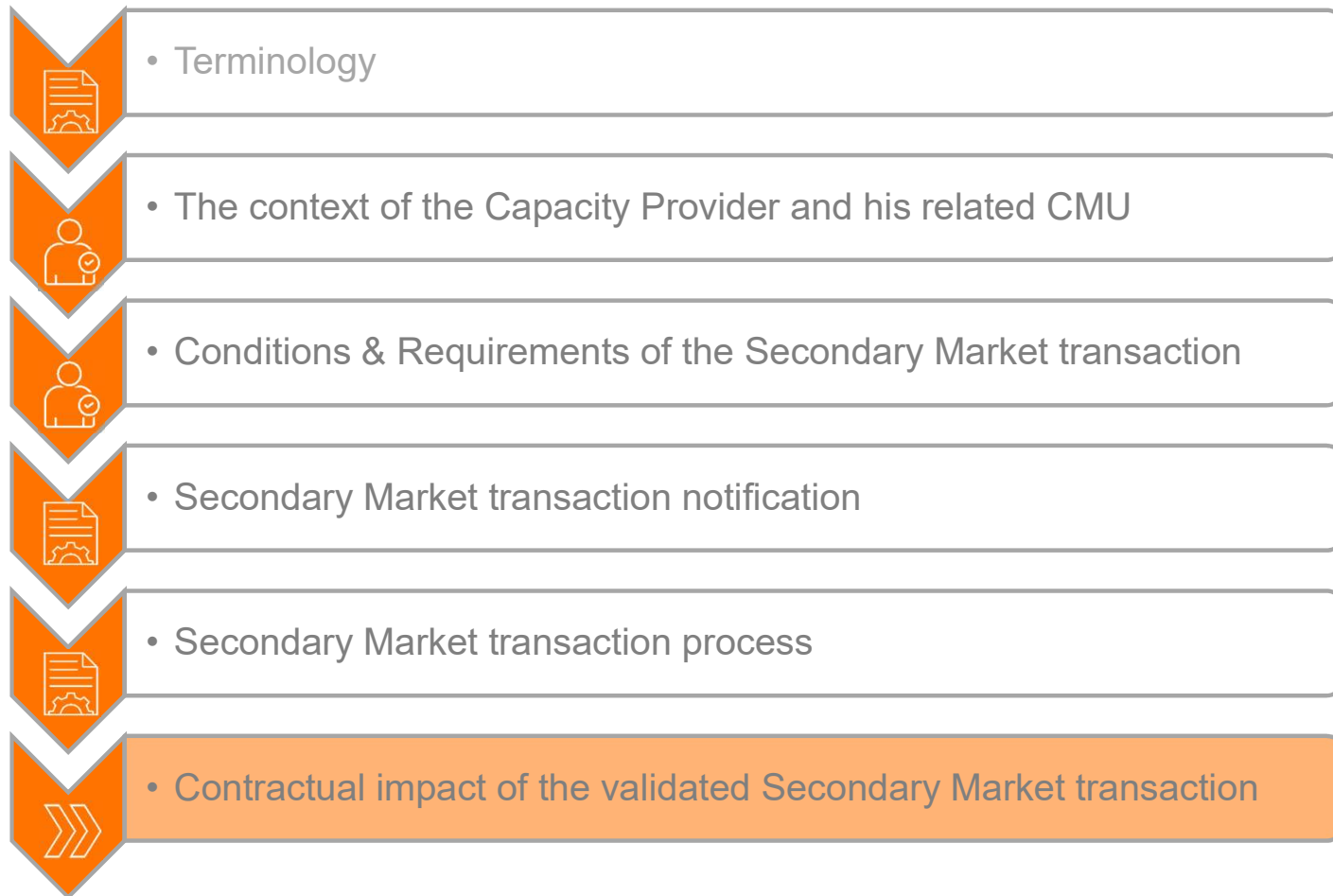
Notification of results towards the Seller / Buyer (and Contractual Counterparty if approved)

Impact on the Contracts

Information	Unit	Value
Secondary Market transaction external ID	NA	PLMDSE237845
Seller of an Obligation ID	NA	CptyE
CMU of the Seller of an Obligation	NA	CMU ID of CptyE
Transaction releasing an obligation	NA	Transaction ID of the CMU
Secondary Market Capacity	MW	5
Transaction Period	Time	01/12/2025 00:00 to 01/01/2026 00:00
Capacity Remuneration	€/MW/year	27 000
Calibrated Strike Price of the Transaction	€/MWh	500
Strike Price indexation Auction year	Year	2021
Strike Price indexation Auction type		Y-4
Transaction Date	Time	13/02/2025 09:45

Information	Unit	Value
Secondary Market transaction external ID	NA	PLMDSE237845
Buyer of an Obligation	NA	EnergyProducer ID
CMU of the Buyer of an Obligation	NA	CMU1 ID of EnergyProducer
Secondary Market Capacity	MW	5
Transaction Period	Time	01/12/2025 00:00 to 01/01/2026 00:00
Capacity Remuneration	€/MW/year	27 000
Calibrated Strike Price of the Transaction	€/MWh	500
Strike Price indexation Auction year	Year	2021
Strike Price indexation Auction type		Y-4
Last Published Derating Factor	No unit	0,93
Transaction Date	Time	13/02/2025 09:45

USE CASE STRUCTURE

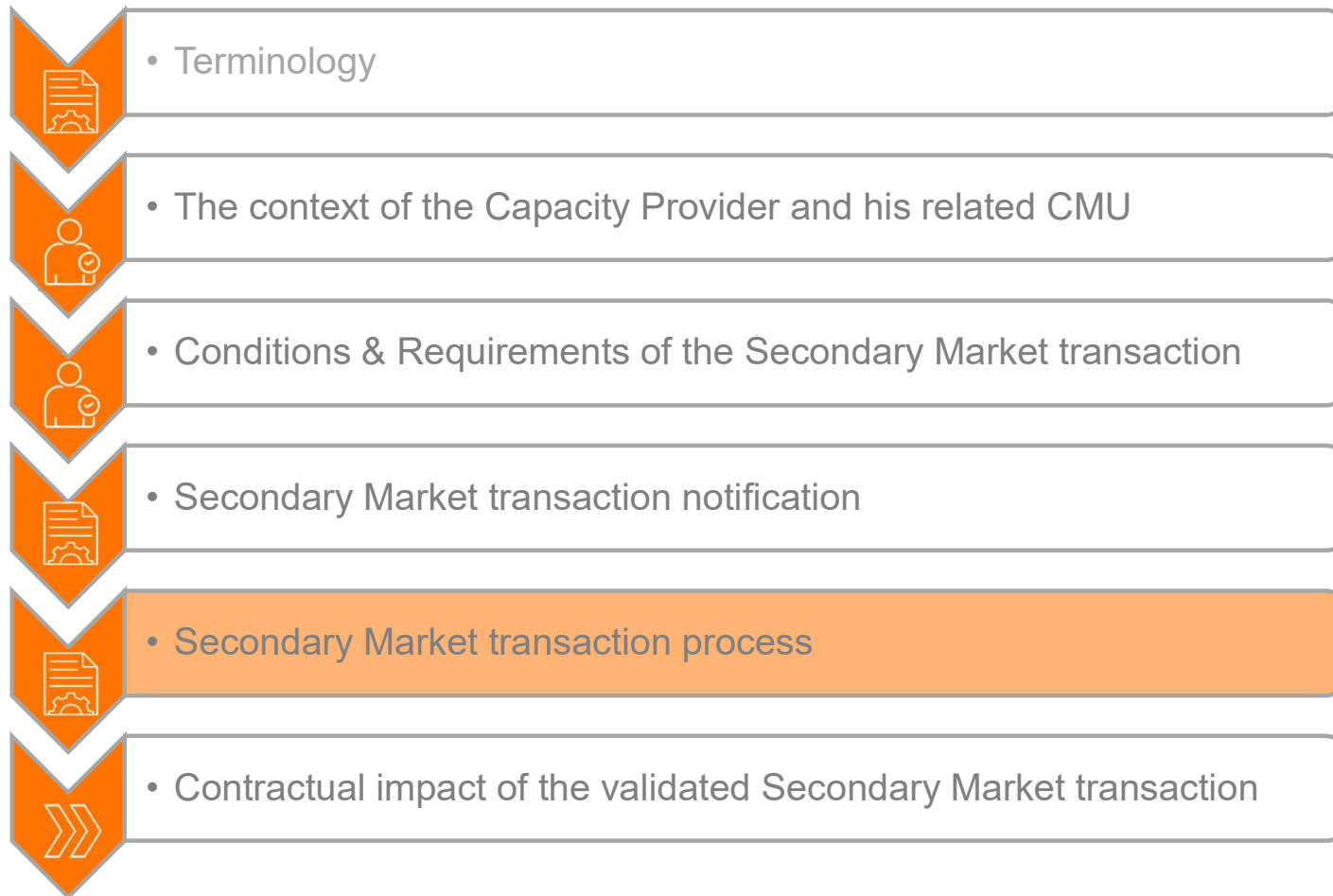




6. Contract impact (1st Transaction)

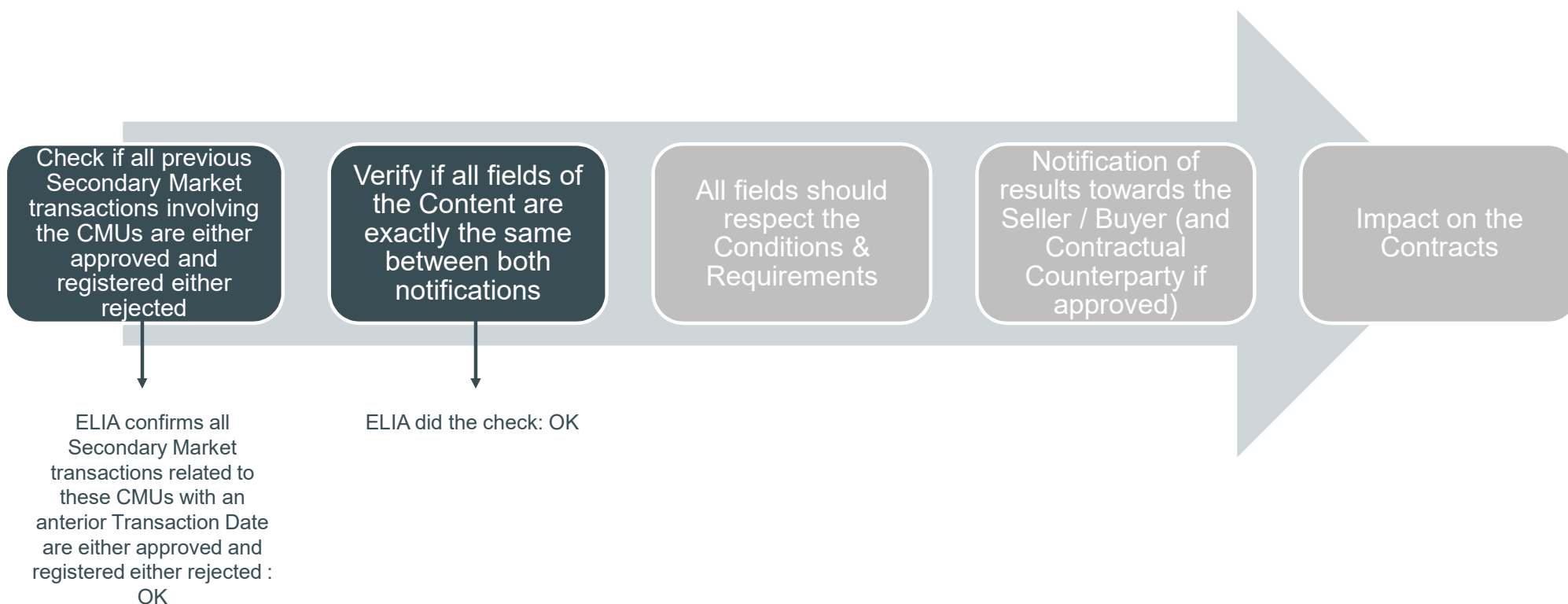
- If approved by ELIA, the details of both impacts on the Contracts are transferred towards the Contractual Counterparty and to the Seller and the Buyer individually.
- Based on the approved Secondary Market transaction notifications, the Contractual Counterparty:
 - Modifies the Contract of the Seller **CptyE**, Transaction Contracted Capacity is diminished from **150MW to 145MW** on the period [December 2025] and remains at 150MW for the rest of the DP2025
 - Add a Transaction to the Contract of the Buyer **EnergyProducer**
 - A new Transaction is created on the period [December 2025] with a Contracted Capacity of 5MW, a Strike Price of 500€/MWh+indexation, a Capacity Remuneration of 27k€/MW/y and a derating factor of 0,93.
 - Confirms to ELIA within the 5 working days, the good modification, otherwise deemed registered.
- The Secondary Market Remaining Eligible Volumes of both CMUs are automatically updated for new Secondary Market transactions approval checks.

USE CASE STRUCTURE



5. Secondary Market process (2nd 5MW Transaction)

The process to be followed by the Prequalified CRM Candidates (or Capacity Providers) when performing a notification for a Secondary Market transaction is represented in the following diagram:





5. Secondary Market process (2nd 5MW Transaction)

Check if all previous Secondary Market transactions involving the CMUs are either approved and registered either rejected

Verify if all fields of the Content are exactly the same between both notifications

All fields should respect the Conditions & Requirements

Notification of results towards the Seller / Buyer (and Contractual Counterparty if approved)

Impact on the Contracts

- ✓ The Secondary Market transaction ID is unique to the CMUs
- ✓ The notification has been issued by both the Seller and the Buyer of an Obligation in the transaction
- ✓ The Transaction releasing an obligation of the CMU of the Seller of Obligation (CptyE) has a Contracted Capacity which is above or equal the 5MW Secondary Market Capacity on the Transaction Period which is [December 2025]
- ✓ The CMU2 of the Buyer of an Obligation (EnergyProducer) has a Secondary Market Remaining Eligible Volume which is above or equal the 5MW Secondary Market Capacity on the Transaction Period which is [December 2025]
- ✓ The CMU2 of EnergyProducer is not under any contractual escalation impeaching them to take over the 5MW
- ✓ EnergyProducer has provided additional Financial Security for at least an amount of **50 000 EUR valid until the start of the Delivery Period ('Nov 2025).**
- ✓ The Strike Price and the Capacity Remuneration of the Transaction releasing an Obligation are the one of its Contract



5. Secondary Market process (2nd 5MW Transaction)

Check if all previous Secondary Market transactions involving the CMUs are either approved and registered either rejected

Verify if all fields of the Content are exactly the same between both notifications

All fields should respect the Conditions & Requirements

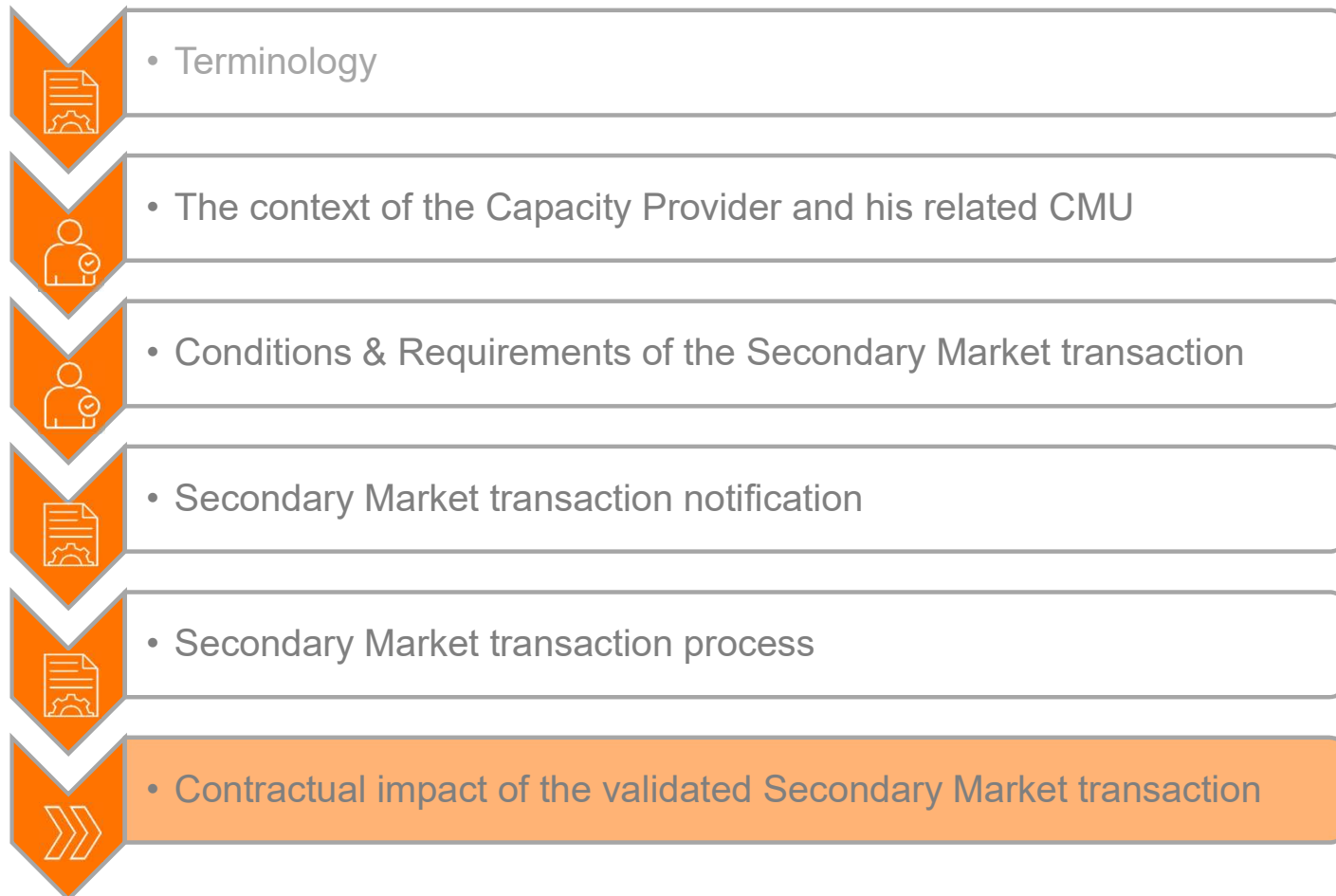
Notification of results towards the Seller / Buyer (and Contractual Counterparty if approved)

Impact on the Contracts

Information	Unit	Value
Secondary Market transaction external ID	NA	PLMDSE237847
Seller of an Obligation ID	NA	CptyE
CMU of the Seller of an Obligation	NA	CMU ID of CptyE
Transaction releasing an obligation	NA	Transaction ID of the CMU
Secondary Market Capacity	MW	5
Transaction Period	Time	01/12/2025 00:00 to 01/01/2026 00:00
Capacity Remuneration	€/MW/year	27 000
Calibrated Strike Price of the Transaction	€/MWh	500
Strike Price indexation Auction year	Year	2021
Strike Price indexation Auction type		Y-4
Transaction Date	Time	13/02/2025 09:50

Information	Unit	Value
Secondary Market transaction external ID	NA	PLMDSE237847
Buyer of an Obligation	NA	EnergyProducer ID
CMU of the Buyer of an Obligation	NA	CMU2 ID of EnergyProducer
Secondary Market Capacity	MW	5
Transaction Period	Time	01/12/2025 00:00 to 01/01/2026 00:00
Capacity Remuneration	€/MW/year	27 000
Calibrated Strike Price of the Transaction	€/MWh	500
Strike Price indexation Auction year	Year	2021
Strike Price indexation Auction type		Y-4
Last Published Derating Factor	No unit	0,93
Transaction Date	Time	13/02/2025 09:50

USE CASE STRUCTURE

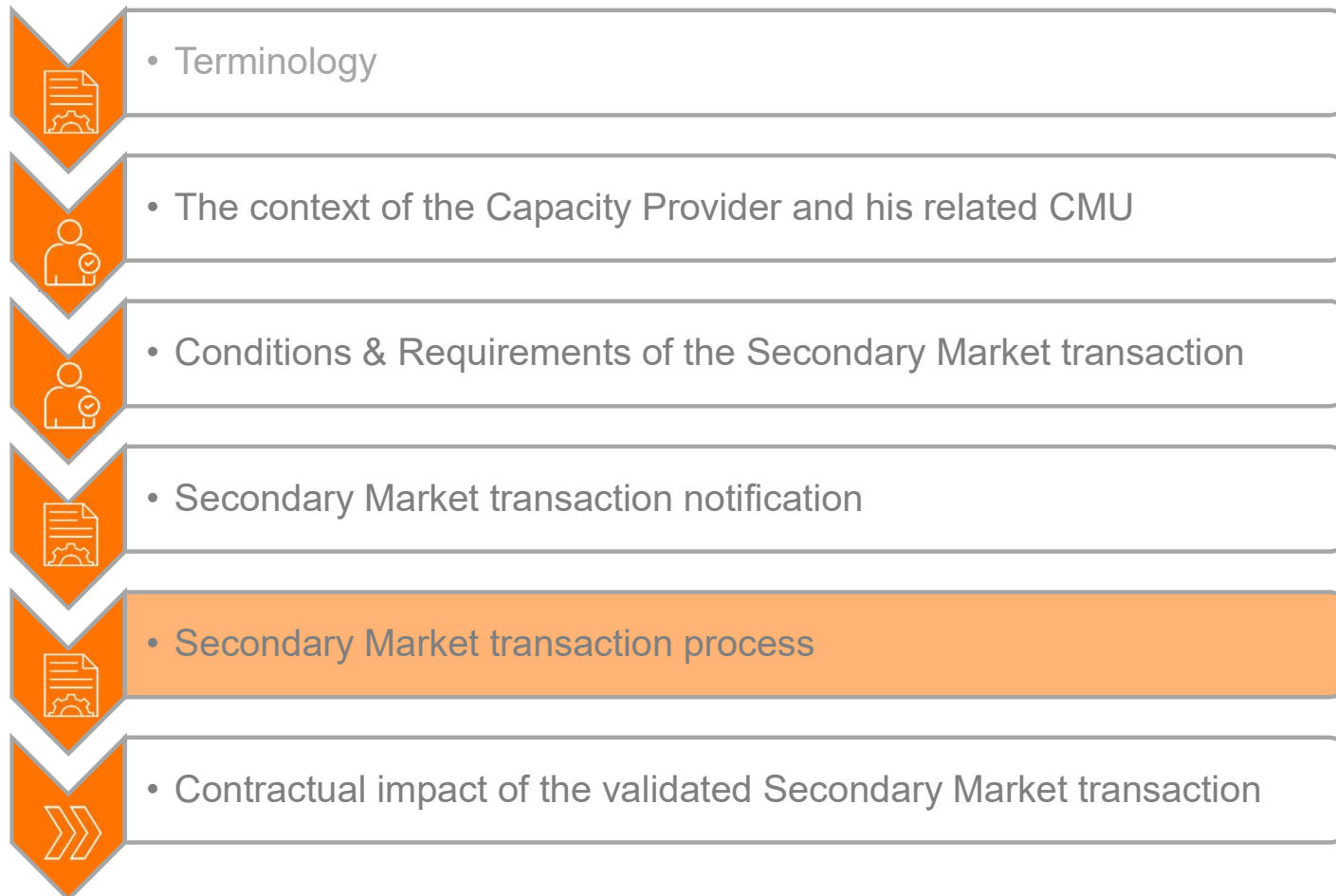




6. Contract impact (2nd Transaction)

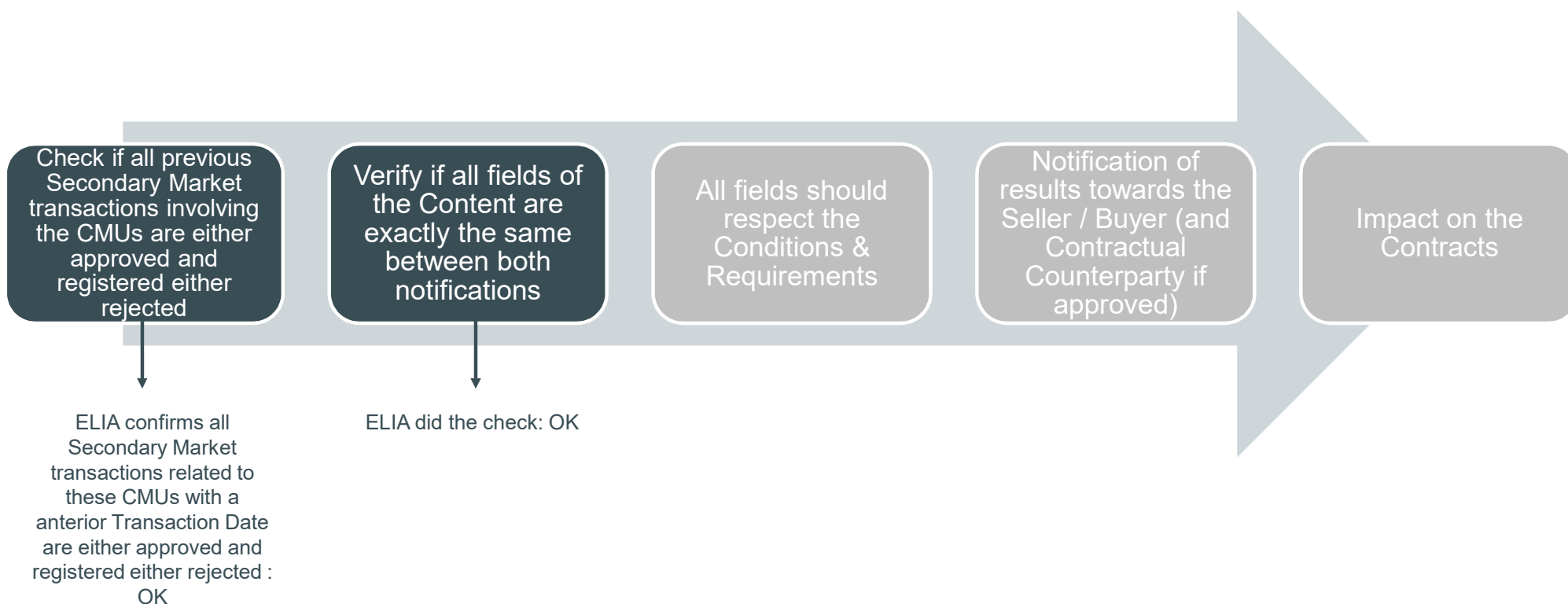
- If approved by ELIA, the details of both impacts on the Contracts are transferred towards the Contractual Counterparty and to the Seller and the Buyer individually.
- Based on the approved Secondary Market transaction notifications, the Contractual Counterparty:
 - Modifies the Contract of the Seller **CptyE**, Transaction Contracted Capacity is diminished from **145MW to 140MW** on the period [December 2025] and remains at 150MW for the rest of the DP2025
 - Add a Transaction to the Contract of the Buyer **EnergyProducer**
 - A new Transaction is created on the period [December 2025] with a Contracted Capacity of 5MW, a Strike Price of 500€/MWh+indexation, a Capacity Remuneration of 27k€/MW/y and a derating factor of 0,93.
 - Confirms to ELIA within the 5 working days, the good modification, otherwise deemed registered.
- The Secondary Market Remaining Eligible Volumes of both CMUs are automatically updated for new Secondary Market transactions approval checks.

USE CASE STRUCTURE



5. Secondary Market process (3rd Transaction)

The process to be followed by the Prequalified CRM Candidates (or Capacity Providers) when performing a notification for a Secondary Market transaction is represented in the following diagram:





5. Secondary Market process (3rd Transaction)

Check if all previous Secondary Market transactions involving the CMUs are either approved and registered either rejected

Verify if all fields of the Content are exactly the same between both notifications

All fields should respect the Conditions & Requirements

Notification of results towards the Seller / Buyer (and Contractual Counterparty if approved)

Impact on the Contracts

- ✓ The Secondary Market transaction ID is unique to the CMUs
- ✓ The notification has been issued by both the Seller and the Buyer of an Obligation in the transaction
- ✓ The Transaction releasing an obligation of the CMU of the Seller of Obligation (CptyE) has a Contracted Capacity which is above or equal the 3MW Secondary Market Capacity on the Transaction Period which is [December 2025]
- ✓ The CMU3 of the Buyer of an Obligation (EnergyProducer) has a Secondary Market Remaining Eligible Volume which is above or equal the 3MW Secondary Market Capacity on the Transaction Period which is [December 2025]
- ✓ The CMU3 of EnergyProducer is not under any contractual escalation impeaching them to take over the 3MW
- ✓ EnergyProducer has provided additional Financial Security for at least an amount of **30 000 EUR valid until the start of the Delivery Period ('Nov 2025).**
- ✓ The Strike Price and the Capacity Remuneration of the Transaction releasing an Obligation are the one of its Contract



5. Secondary Market process (3rd Transaction)

Check if all previous Secondary Market transactions involving the CMUs are either approved and registered either rejected

Verify if all fields of the Content are exactly the same between both notifications

All fields should respect the Conditions & Requirements

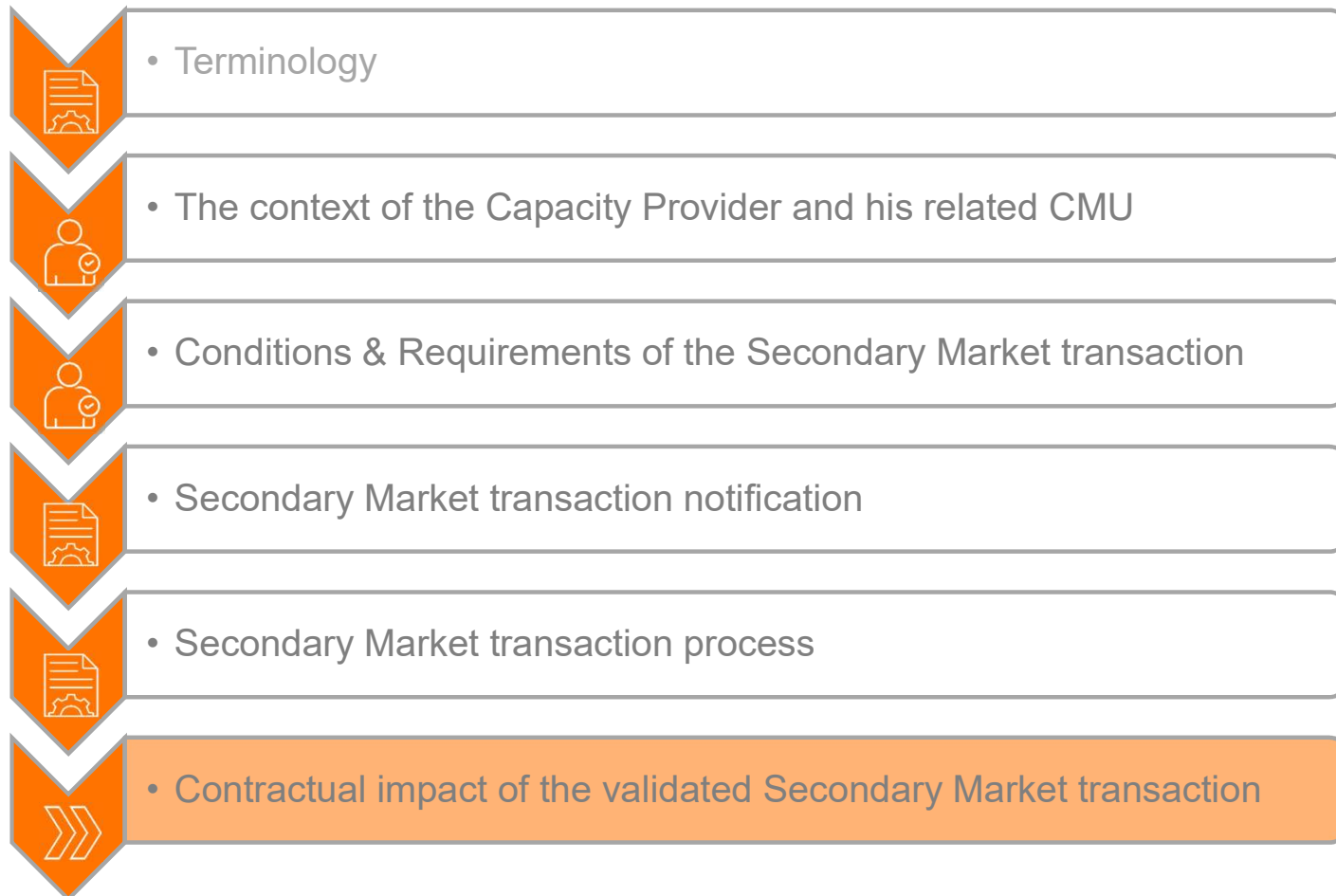
Notification of results towards the Seller / Buyer (and Contractual Counterparty if approved)

Impact on the Contracts

Information	Unit	Value
Secondary Market transaction external ID	NA	PLMDSE237849
Seller of an Obligation ID	NA	CptyE
CMU of the Seller of an Obligation	NA	CMU ID of CptyE
Transaction releasing an obligation	NA	Transaction ID of the CMU
Secondary Market Capacity	MW	3
Transaction Period	Time	01/12/2025 00:00 to 01/01/2026 00:00
Capacity Remuneration	€/MW/year	27 000
Calibrated Strike Price of the Transaction	€/MWh	500
Strike Price indexation Auction year	Year	2021
Strike Price indexation Auction type		Y-4
Transaction Date	Time	13/02/2025 09:55

Information	Unit	Value
Secondary Market transaction external ID	NA	PLMDSE237849
Buyer of an Obligation	NA	EnergyProducer ID
CMU of the Buyer of an Obligation	NA	CMU3 ID of EnergyProducer
Secondary Market Capacity	MW	3
Transaction Period	Time	01/12/2025 00:00 to 01/01/2026 00:00
Capacity Remuneration	€/MW/year	27 000
Calibrated Strike Price of the Transaction	€/MWh	500
Strike Price indexation Auction year	Year	2021
Strike Price indexation Auction type		Y-4
Last Published Derating Factor	No unit	0,93
Transaction Date	Time	13/02/2025 09:55

USE CASE STRUCTURE

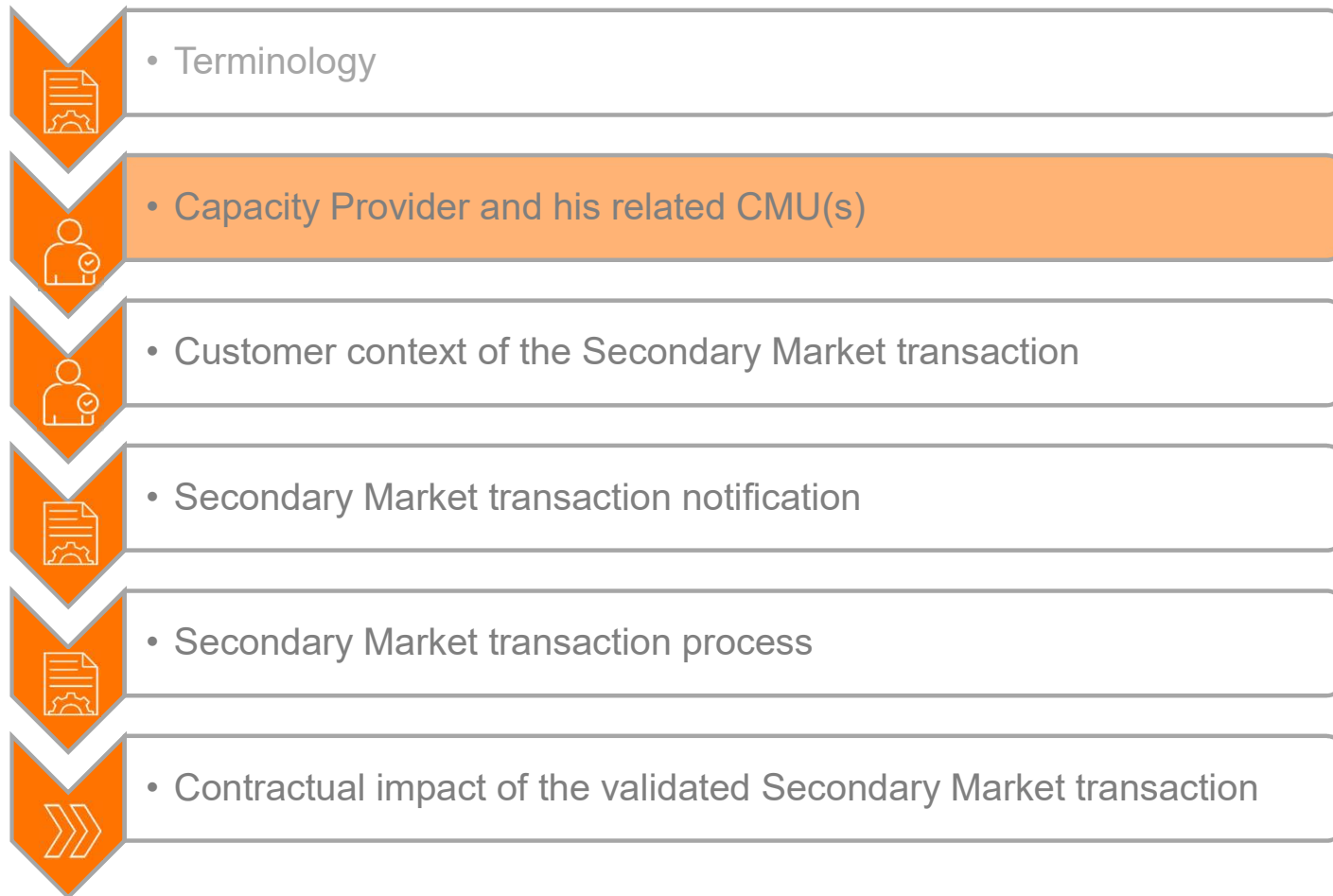




6. Contract impact (3^d Transaction)

- If approved by ELIA, the details of both impacts on the Contracts are transferred towards the Contractual Counterparty and to the Seller and the Buyer individually.
- Based on the approved Secondary Market transaction notifications, the Contractual Counterparty:
 - Modifies the Contract of the Seller **CptyE**, Transaction Contracted Capacity is diminished from **140MW to 137MW** on the period [December 2025] and remains at 150MW for the rest of the DP2025
 - Add a Transaction to the Contract of the Buyer **EnergyProducer**
 - A new Transaction is created on the period [December 2025] with a Contracted Capacity of 3MW, a Strike Price of 500€/MWh+indexation, a Capacity Remuneration of 27k€/MW/y and a derating factor of 0,93.
 - Confirms to ELIA within the 5 working days, the good modification, otherwise deemed registered.
- The Secondary Market Remaining Eligible Volumes of both CMUs are automatically updated for new Secondary Market transactions approval checks.

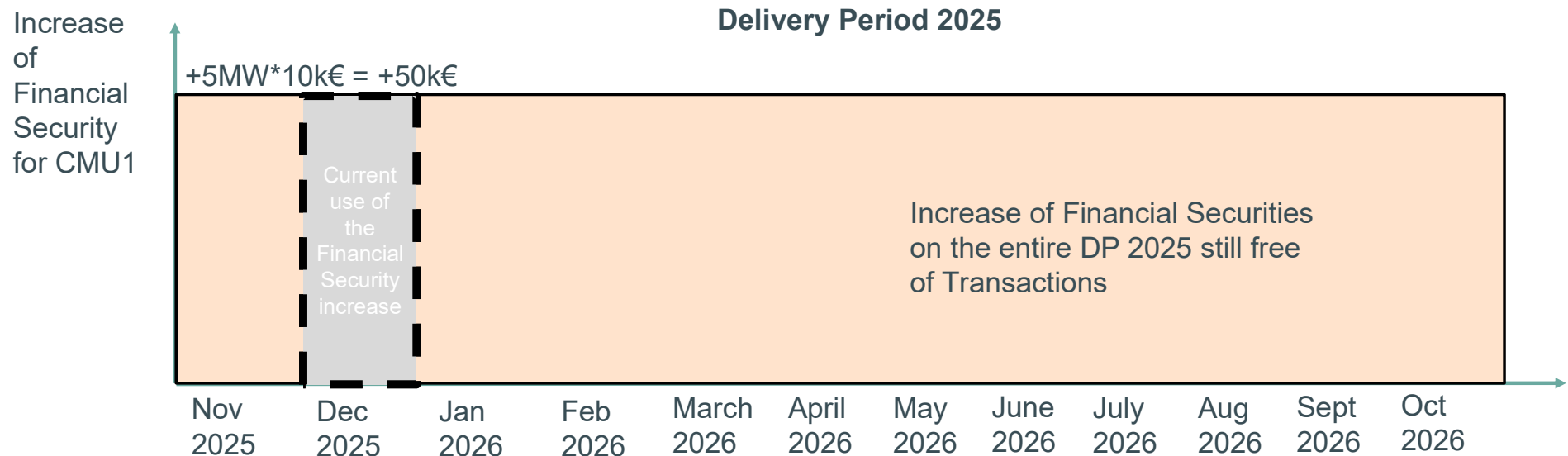
USE CASE STRUCTURE





2. The context of the Capacity Provider and his related CMU

- Now that the 3 Transactions are duly registered and the Financial Securities increased for the CMU1, 2 and 3 of EnergyProducer in the Pre-Delivery Period, if EnergyProducer would like to take over new Contracted Capacities on Transaction Periods within the Delivery Period 2025, that are not covering the month [December 2025], there is no need to increase the Financial Security for his CMU1, CMU2 and CMU3 up to 5, 5 and 3MW respectively.
- Indeed, the Financial Security Volume is calculated **in function of the maximum Total Contracted Capacity** for Delivery Period 2025, which would not increase in case of Transactions that are not covering the month December, up to 5, 5 and 3 MW respectively.



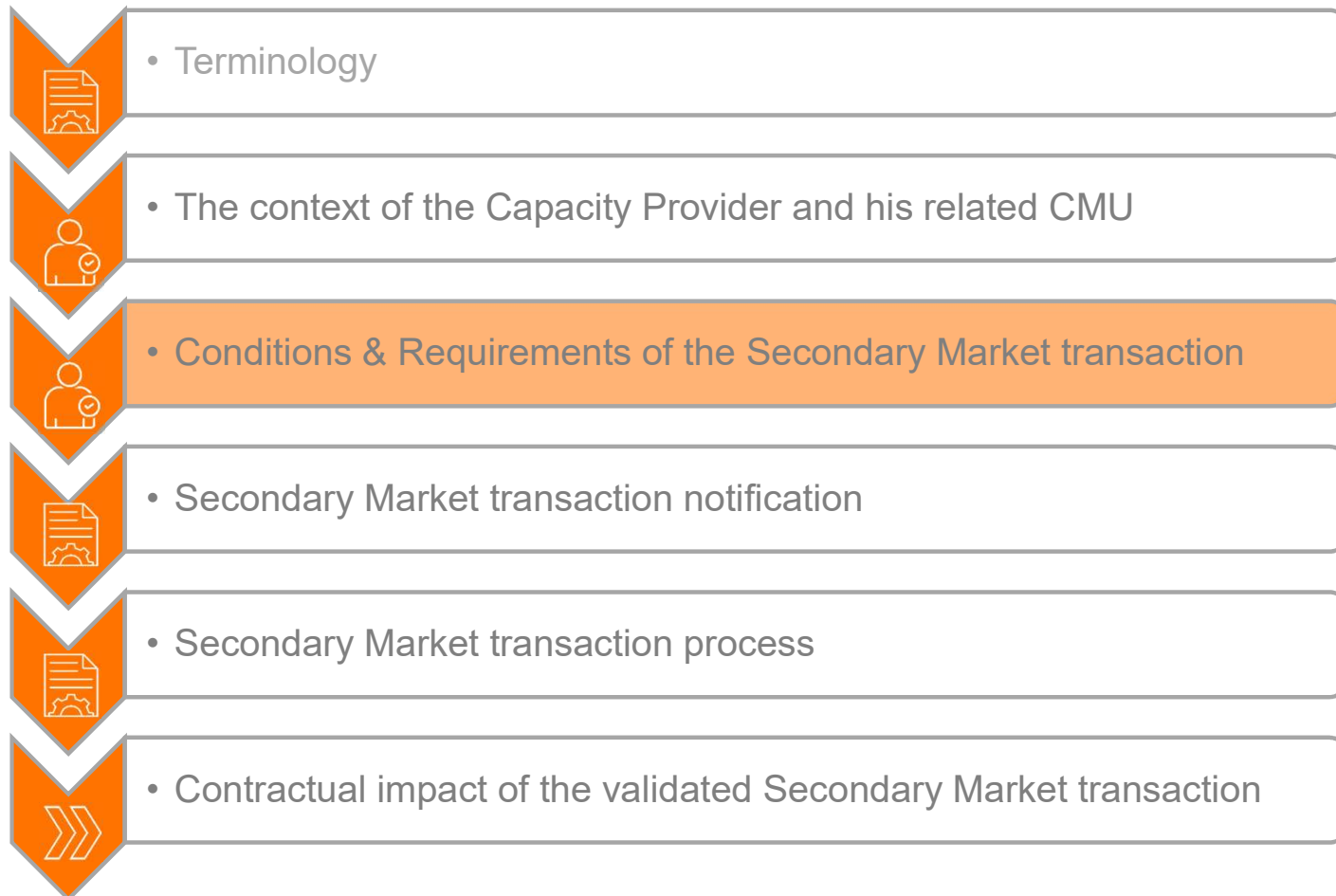


2. The context of the Capacity Provider and his related CMU



- 4th Transaction: March 2025: CCGT owner enters into bilateral negotiation with **CptyE** to take over part of his Contracted Capacities in the Secondary Market
- **CptyE** would like to transfer 4MW extra on March 2026 towards **EnergyProducer**
- ➔ So that, the Transaction Period is aiming to be: [01/03/2026 00:00 to 31/03/2026 midnight]
- ➔ Both counterparties expect a validation of the Secondary Market Transaction well before in March 2025, so that ex-ante Transaction status is expected

USE CASE STRUCTURE





3. Conditions & Requirements of the Secondary Market transaction



- Their 4MW bilateral agreement is built on the **CptyE** (as a Seller of an Obligation) and **EnergyProducer** (as a Buyer of an Obligation) prior checks of compliance with the Conditions & Requirements of participation in the CRM Secondary Market

- Following the Conditions:
 - The Seller of an Obligation (**CptyE**) is a Capacity Provider

 - EnergyProducer as a Buyer of an Obligation is also a Capacity Provider (but could have been a Prequalified CRM Candidate) and is not under a contract escalation impeaching him to contract more in the Secondary Market

 - The CMU1 of EnergyProducer is prequalified, considered as Existing and not under a contract escalation impeaching him to contract more in the Secondary Market



3. Conditions & Requirements of the Secondary Market transaction



- Following the Requirements:
 - The Transaction Period is shorter than a full Delivery Period (solely March 2026) which is strictly within the Transaction Period of the Transaction releasing an Obligation (DP 2025)
 - The volume of 4MW is considered as the Secondary Market Capacity of the Transaction and is:
 - Far below the Transaction releasing an Obligation of the CMU of CptyE Contracted Capacity (150MW in March 2026)
 - Below the Secondary Market Remaining Eligible Volume of the CMU of EnergyProducer which thinks he can still contract 34MW on his CMU1 on the entire Delivery Period 2025 except December 2025 on which he can 29MW
 - As we are in start 2025, in the Pre-Delivery Period of DP 2025 (Transaction Date in March 2025), well before the AMT moment determination of the start day of the Transaction Period (March 2026), an **ex-ante** status is expected
 - A **Financial Security obligation applies** to the Transaction, as the Transaction Date takes place before the start date of the Delivery Period in which the Transaction Period falls:
 - **Transaction Date:** 16/03/2025 9h45 (see details in the next slides)
 - **Transaction Period:** 01/03/2026 – 31/03/2026
 - **Start of the Delivery Period related to the Transaction Period:** 01/11/2025



See next slide for the calculation of the additional Financial Security amount.



3. Conditions & Requirements of the Secondary Market transaction

- The Financial Security amount (= Secured Amount) is calculated **at the level of each CMU** :

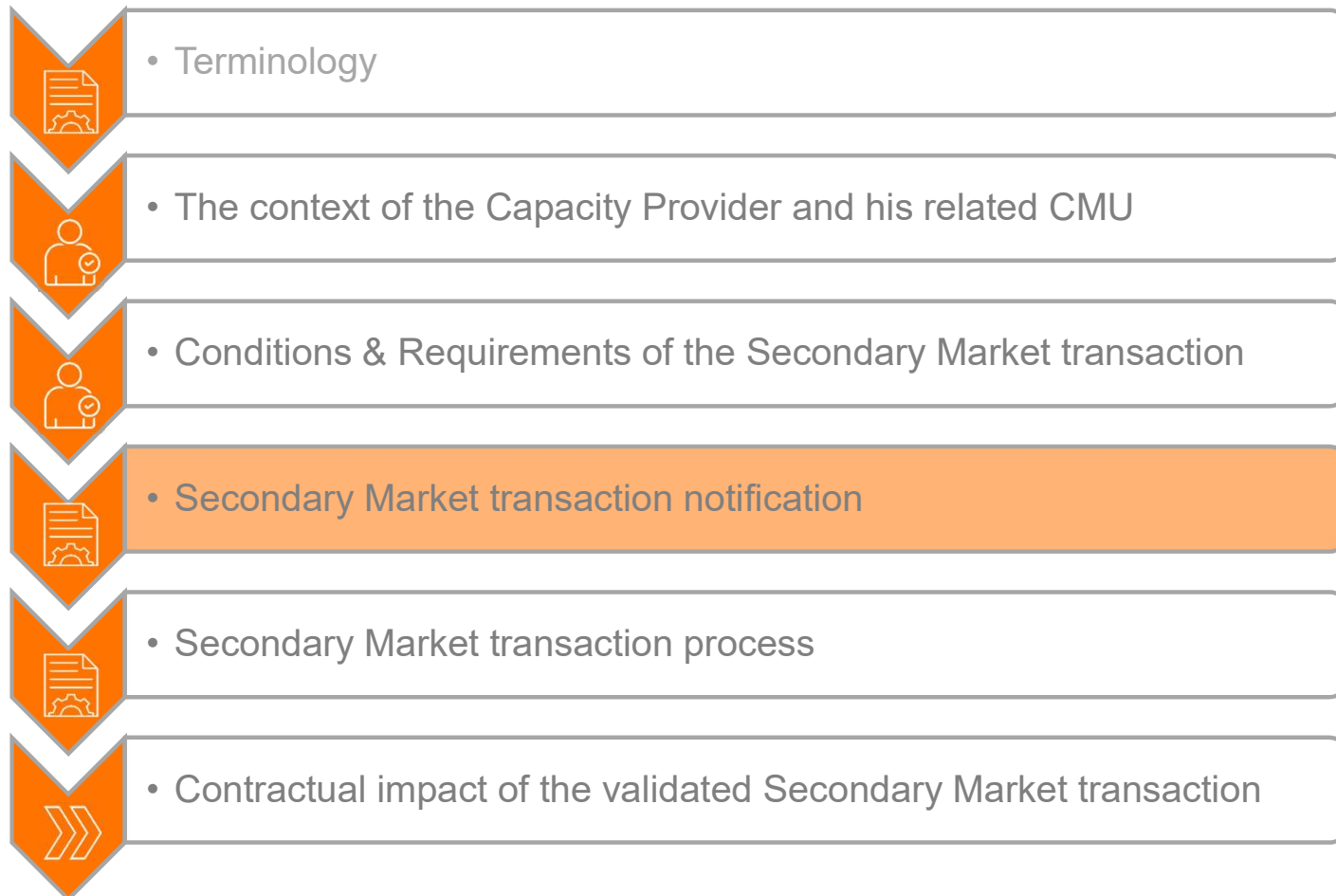
$$\text{Secured Amount} = \text{Financial Security Volume} * \text{Required Level}$$

Calculation of additional Secured Amounts	
	CMU 1
Financial Security Volume (in function of max. Total Contracted Capacity)	320 MW (no increase of <u>maximum</u> TCC on the DP2025)
Required Level (for CMUs with existing status)	EUR 10 000/MW
Secured Amount <i>Financial Security Volume x Required Level</i>	EUR 3 200 000
Financial Security already provided	EUR 3 200 000
Additional Financial Security	EUR 0



No additional Financial Security is to be provided together with EnergyProducer's notification of the transaction to ELIA.

USE CASE STRUCTURE



4. Secondary Market transaction notification (4th Transaction)

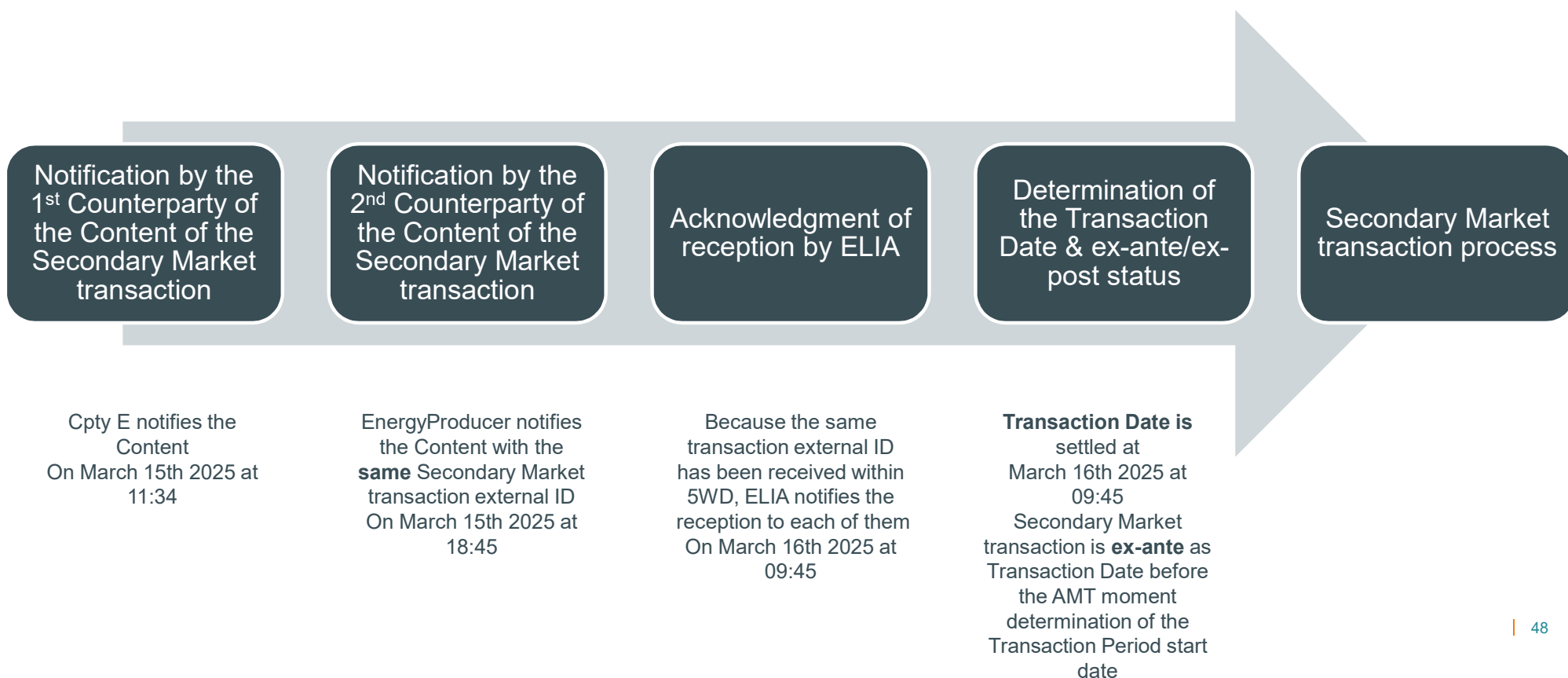
Both counterparties connect on the CRM IT Interface – Secondary Market title transfer facility and send the notification content towards ELIA

→ 4MW on CMU1

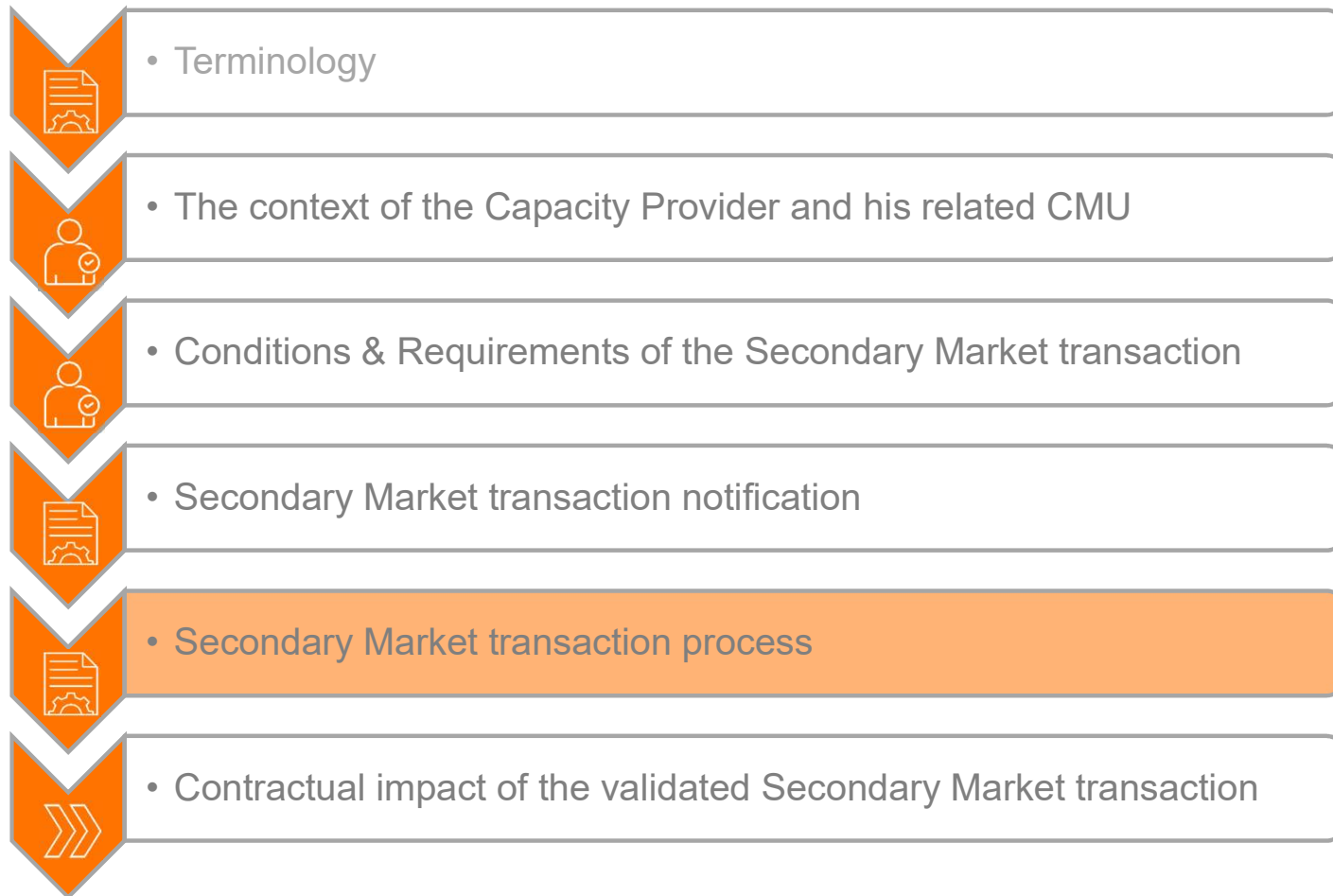
Information	Type	Unit	Unit
Secondary Market transaction external ID	Free field of 6 alphabet letters followed by 6 digits	NA	PLMDSE237861
Seller of an Obligation ID	Capacity Provider ID	NA	= CptyE ID as CRM Candidate
CMU of the Seller of an Obligation	CMU ID	NA	= CMU ID of CptyE
Transaction releasing an obligation	Transaction ID	NA	= Transaction ID of CptyE of 150MW
Buyer of an Obligation	Capacity Provider ID or Prequalified CRM Candidate ID	NA	= EnergyProducer ID as CRM Candidate
CMU of the Buyer of an Obligation	CMU ID	NA	= CMU1 ID of EnergyProducer
Secondary Market Capacity	Floating	MW	4
Transaction Period	Date / Time to Date / Time	Time	01/03/2026 00:00 to 01/04/2026 00:00
Capacity Remuneration	Floating	€/MW/year	27 000
Calibrated Strike Price of the Transaction	Floating	€/MWh	500
Strike Price indexation Auction year	Integer or "NA"	Year	2021
Strike Price indexation Auction type	"Y-4", "Y-1" or "NA"		Y-4

4. Secondary Market transaction notification (4th Transaction)

The process to be followed by the Prequalified CRM Candidates (or Capacity Providers) when performing a notification for a Secondary Market transaction is represented in the following diagram:

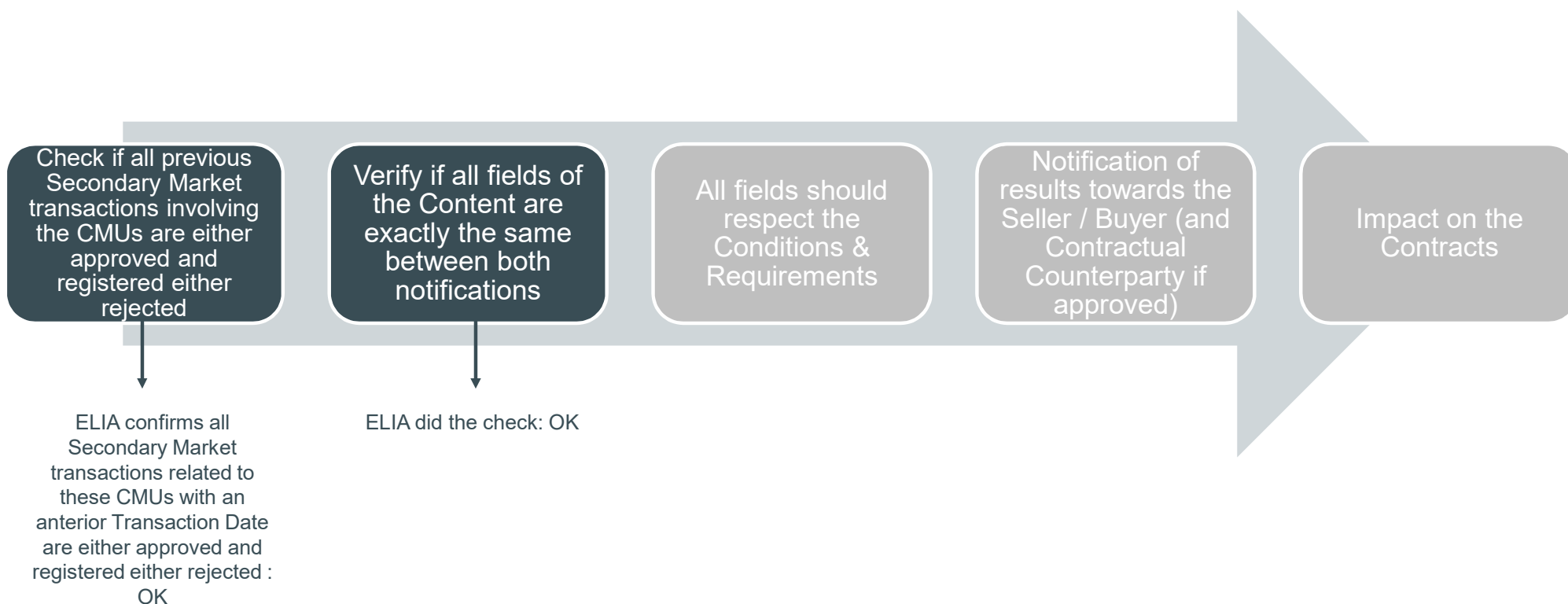


USE CASE STRUCTURE



5. Secondary Market process (4th Transaction)

The process to be followed by the Prequalified CRM Candidates (or Capacity Providers) when performing a notification for a Secondary Market transaction is represented in the following diagram:





5. Secondary Market process (4th Transaction)

Check if all previous Secondary Market transactions involving the CMUs are either approved and registered either rejected

Verify if all fields of the Content are exactly the same between both notifications

All fields should respect the Conditions & Requirements

Notification of results towards the Seller / Buyer (and Contractual Counterparty if approved)

Impact on the Contracts

- ✓ The Secondary Market transaction ID is unique to the CMUs
- ✓ The notification has been issued by both the Seller and the Buyer of an Obligation in the transaction
- ✓ The Transaction releasing an obligation of the CMU of the Seller of Obligation (**CptyE**) has a Contracted Capacity which is above or equal the 4MW Secondary Market Capacity on the Transaction Period which is [March 2026]
- ✓ The CMU of the Buyer of an Obligation (**EnergyProducer**) has a Secondary Market Remaining Eligible Volume which is above or equal the 4MW Secondary Market Capacity on the Transaction Period which is [March 2026]
- ✓ The CMU1 of EnergyProducer is not under any contractual escalation impeaching them to take over the 4MW
- ✓ **No additional Financial Security** is to be provided as the Secured Amount does not increase.
- ✓ The Strike Price and the Capacity Remuneration of the Transaction releasing an Obligation are the one of its Contract



5. Secondary Market process

Check if all previous Secondary Market transactions involving the CMUs are either approved and registered either rejected

Verify if all fields of the Content are exactly the same between both notifications

All fields should respect the Conditions & Requirements

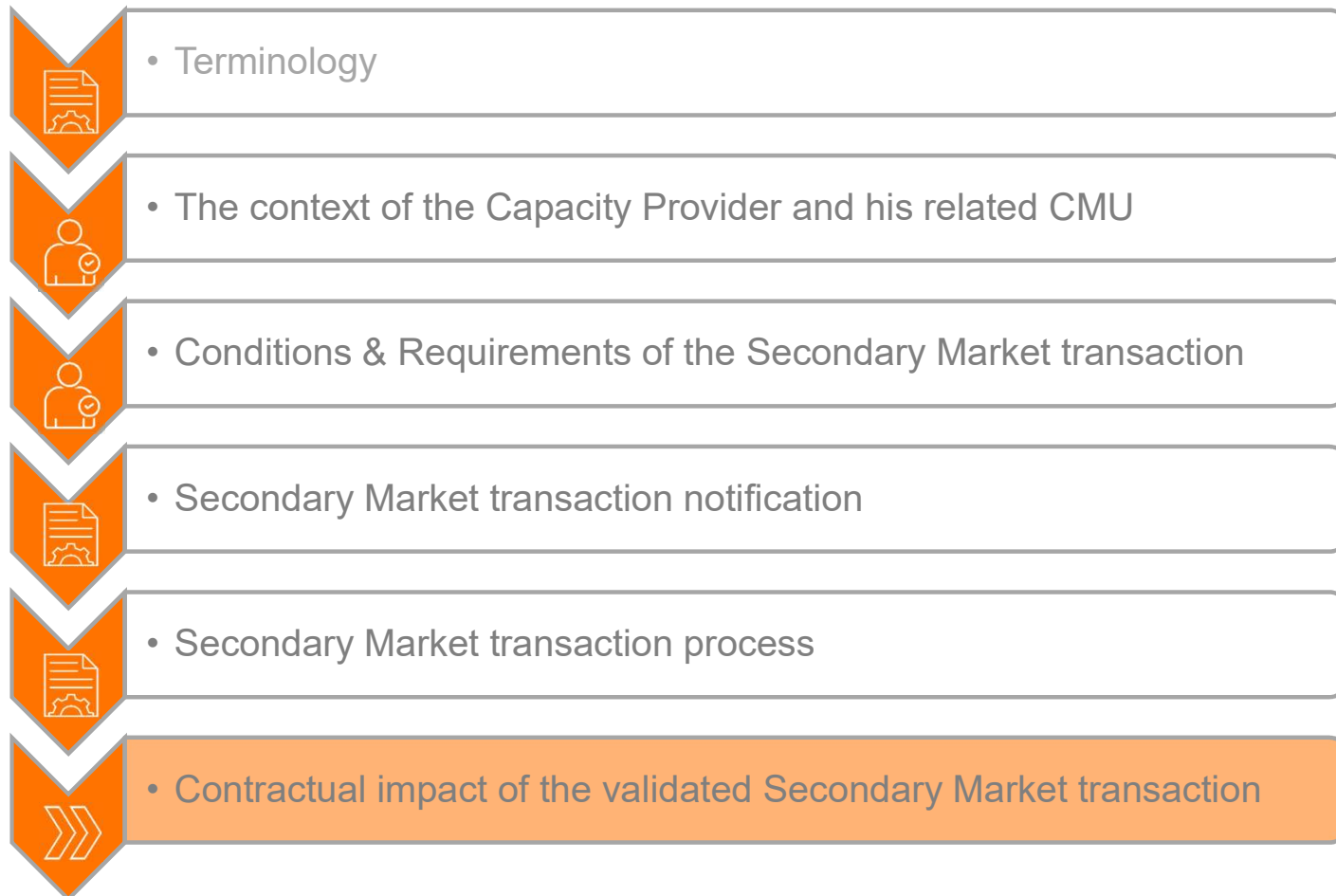
Notification of results towards the Seller / Buyer (and Contractual Counterparty if approved)

Impact on the Contracts

Information	Unit	Value
Secondary Market transaction external ID	NA	PLMDSE237861
Seller of an Obligation ID	NA	CptyE
CMU of the Seller of an Obligation	NA	CMU ID of CptyE
Transaction releasing an obligation	NA	Transaction ID of the CMU
Secondary Market Capacity	MW	4
Transaction Period	Time	01/03/2026 00:00 to 01/04/2026 00:00
Capacity Remuneration	€/MW/year	27 000
Calibrated Strike Price of the Transaction	€/MWh	500
Strike Price indexation Auction year	Year	2021
Strike Price indexation Auction type		Y-4
Transaction Date	Time	16/03/2025 09:45

Information	Unit	Value
Secondary Market transaction external ID	NA	PLMDSE237861
Buyer of an Obligation	NA	EnergyProducer ID
CMU of the Buyer of an Obligation	NA	CMU1 ID of EnergyProducer
Secondary Market Capacity	MW	4
Transaction Period	Time	01/03/2026 00:00 to 01/04/2026 00:00
Capacity Remuneration	€/MW/year	27 000
Calibrated Strike Price of the Transaction	€/MWh	500
Strike Price indexation Auction year	Year	2021
Strike Price indexation Auction type		Y-4
Last Published Derating Factor	No unit	0,93
Transaction Date	Time	16/03/2025 09:45

USE CASE STRUCTURE

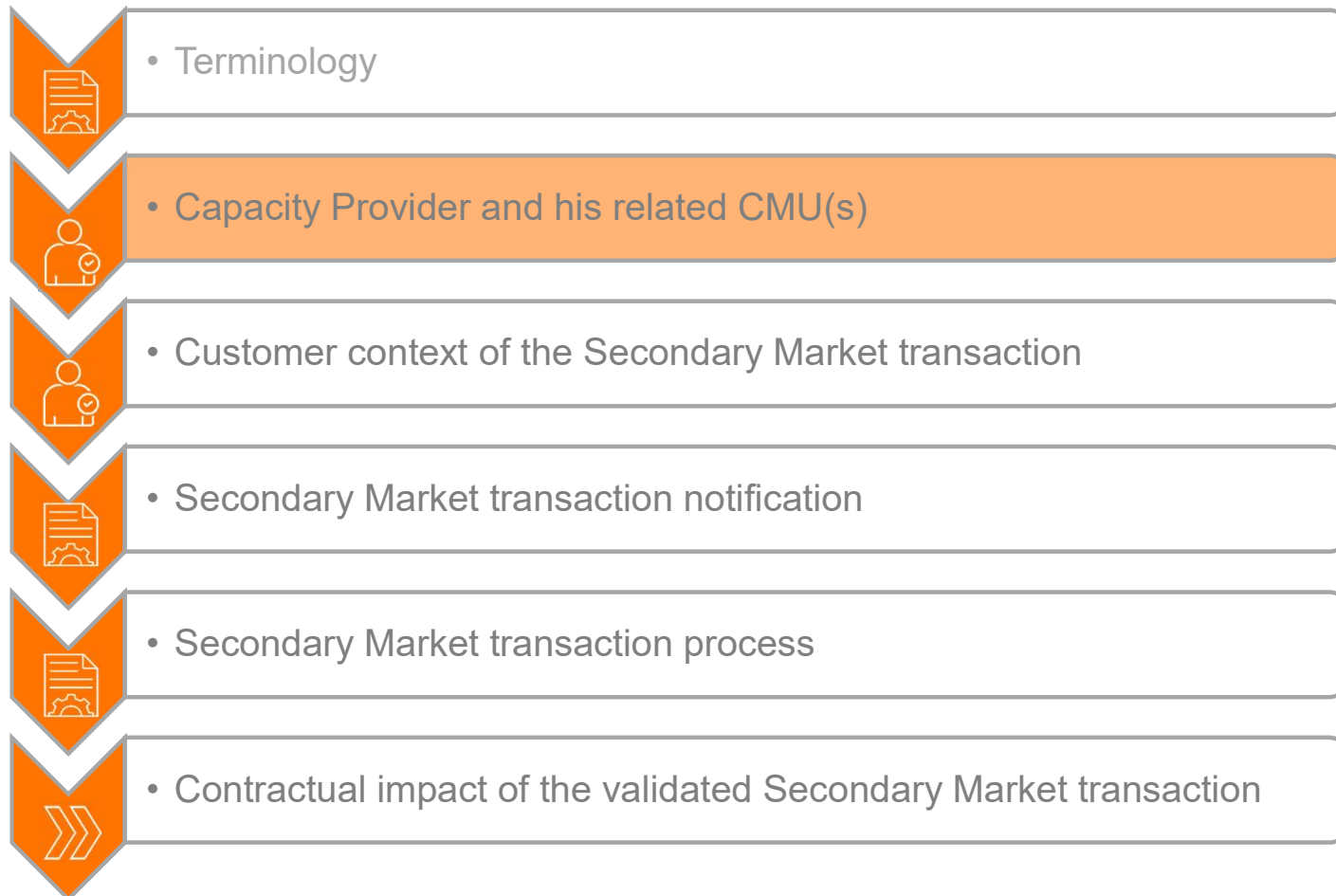




6. Contract impact (4th Transaction)

- If approved by ELIA, the details of both impacts on the Contracts are transferred towards the Contractual Counterparty and to the Seller and the Buyer individually.
- Based on the approved Secondary Market transaction notification, the Contractual Counterparty:
 - Modifies the Contract of the Seller **CptyE**, Transaction Contracted Capacity is diminished from **150MW to 146MW** on the period [March 2026] and remains at 150MW for the rest of the DP2025 except December 2025 which remains at 137MW
 - Add a Transaction to the Contract of the Buyer **EnergyProducer**
 - A new Transaction is created on the period [March 2026] with a Contracted Capacity of 4MW, a Strike Price of 500€/MWh+indexation, a Capacity Remuneration of 27k€/MW/y and a derating factor of 0,93.
 - Confirms to ELIA within the 5 working days, the good modification, otherwise deemed registered.
- The Secondary Market Remaining Eligible Volumes of both CMUs are automatically updated for new Secondary Market transactions approval checks.

USE CASE STRUCTURE

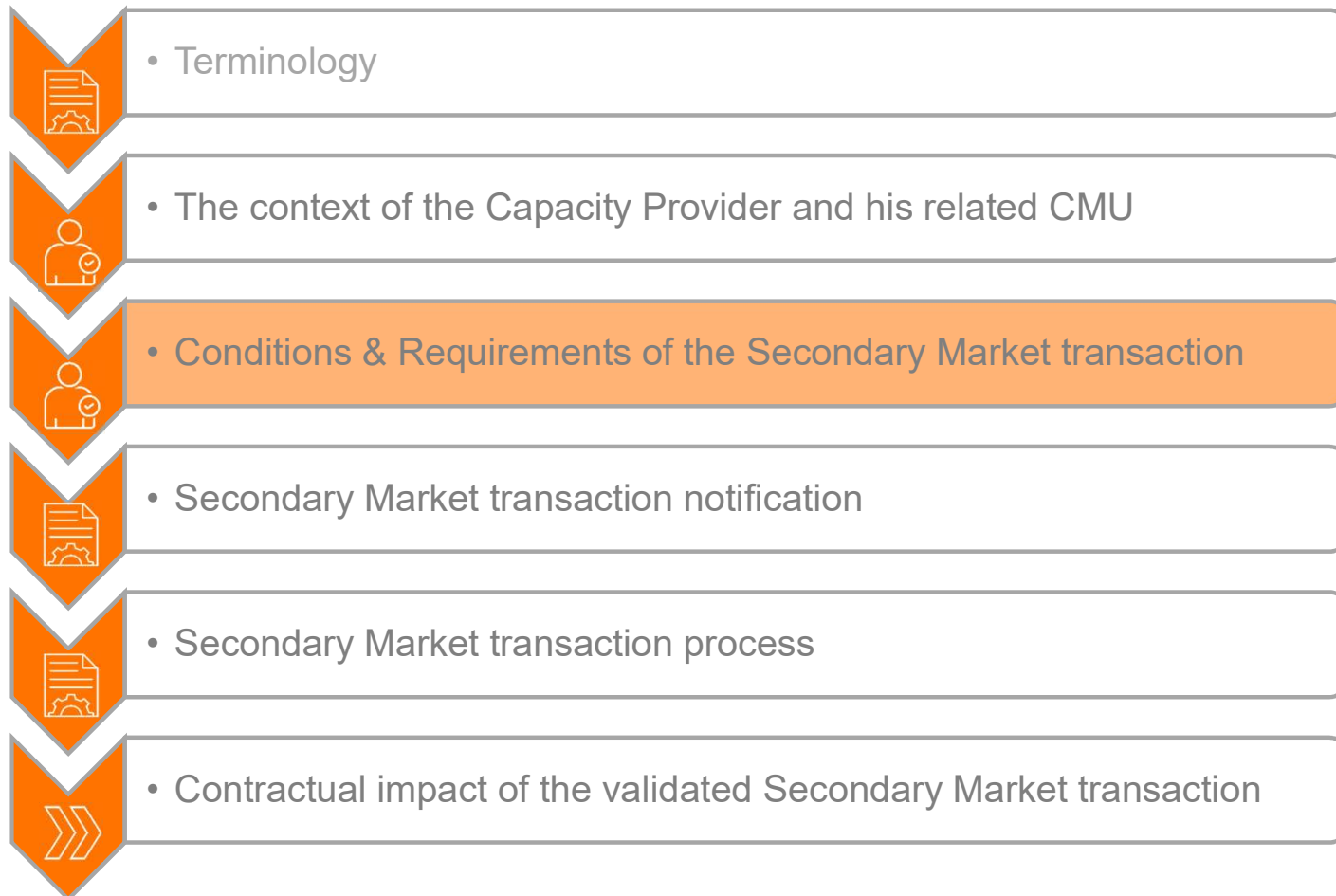




2. The context of the Capacity Provider and his related CMU

- 5th Transaction: February 15th 2026: CCGT owner enters into bilateral negotiation with **CptyE** to take over part of his Contracted Capacities in the Secondary Market
- **CptyE** subperformed of 4,2MW on February 14th from 5pm until 8pm included (4 AMT moment hours)
- **CptyE** would like to transfer part of his Contracted Capacities towards **EnergyProducer** who also reached his NRP on all these hours
- ➔ So that, the Transaction Period is aiming to be: [14/02/2026 17:00 to 14/02/2026 21:00 [➔ 4 hours
- ➔ The determination of the AMT moment related to (14/02/2026 17:00) as a start date is around 13/02/2026 15.00
- ➔ As the Transaction Date shall be after the determination of the AMT moments related to the Transaction Period start date/time (15/02/2026 17h00 is later than 13/02/2026 around 15h00), both counterparties expect an **ex-post** Transaction status

USE CASE STRUCTURE





3. Conditions & Requirements of the Secondary Market transaction



- Their 4,2MW bilateral agreement is built on the **CptyE** (as a Seller of an Obligation) and **EnergyProducer** (as a Buyer of an Obligation) prior checks of compliance with the Conditions & Requirements of participation in the CRM Secondary Market

- Following the Conditions:
 - The Seller of an Obligation (**CptyE**) is a Capacity Provider

 - EnergyProducer as a Buyer of an Obligation is also a Capacity Provider (but could have been a Prequalified CRM Candidate) and is not under a contract escalation impeaching him to contract more in the Secondary Market

 - The CMU1 of EnergyProducer is prequalified, considered as Existing and not under a contract escalation impeaching him to contract more in the Secondary Market

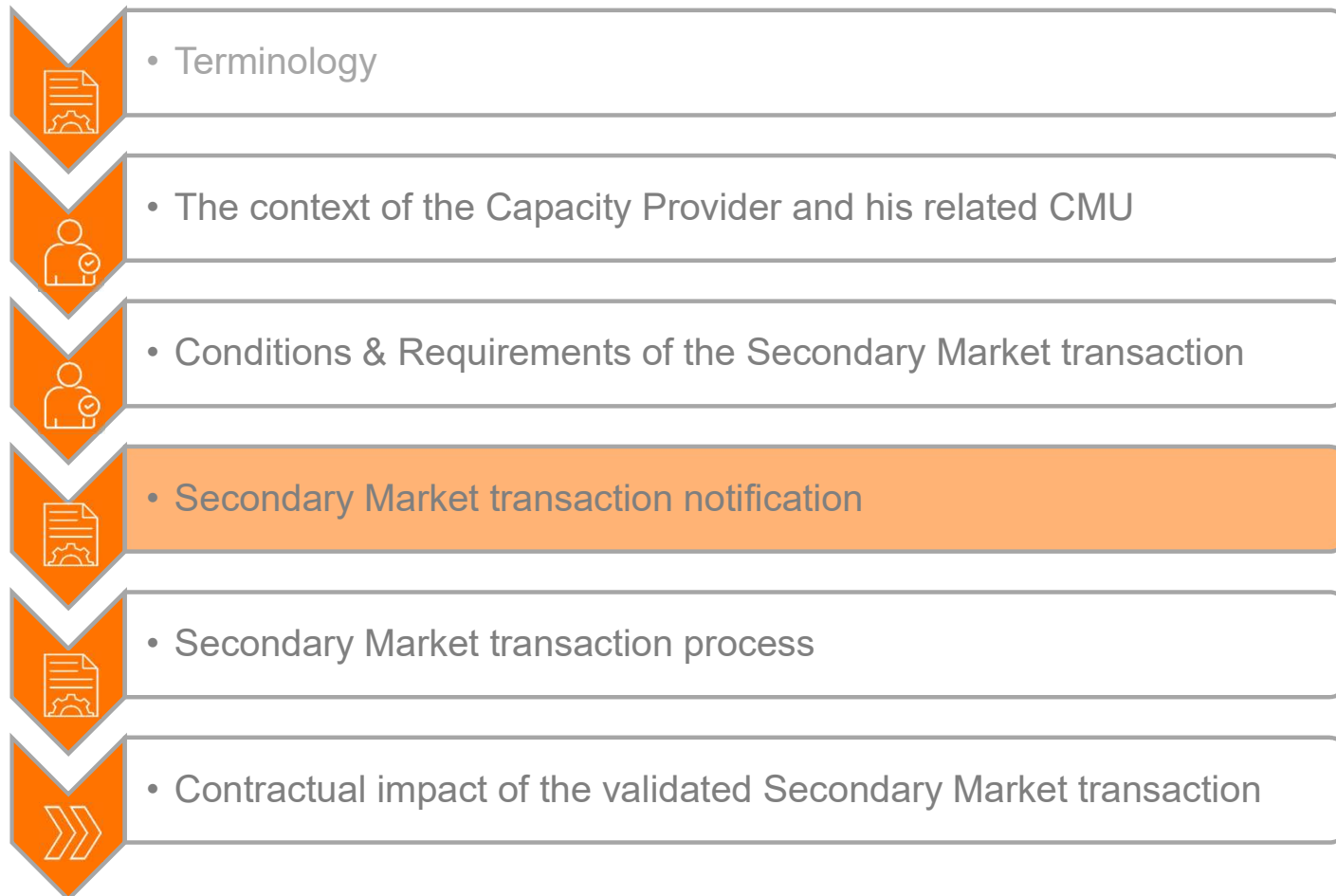


3. Conditions & Requirements of the Secondary Market transaction



- Following the Requirements:
 - The Transaction Period is shorter than a full Delivery Period (solely 4 hours of 14/02/2026) which is strictly within the Transaction Period of the Transaction releasing an Obligation (DP 2025)
 - The volumes of 4,2MW is considered as the Secondary Market Capacity of the Transaction and is:
 - Far below the Transaction releasing an Obligation of the CMU of CptyE Contracted Capacity (150MW in February 2026)
 - Below the Secondary Market Remaining Eligible Volume of the CMU of EnergyProducer which thinks he can still contract 34MW on his CMU1 on 14/02/2026 as he performed at its Nominal Reference Power on the 4 hours (considered as Proven Availability)
 - As the transaction shall be notified after the AMT moment determination of the start day of the Transaction Period (14/02/2026 17:00), an **ex-post** status is expected
 - The Transaction Period covers a set of consecutive hours considered as AMT moments hours in the same calendar day.
 - **No Financial Security obligation applies to the Transaction**, as the Transaction Date takes place **within the Delivery Period** (after the start date of the Delivery Period in which the Transaction Period falls).

USE CASE STRUCTURE



4. Secondary Market transaction notification (5th Transaction)

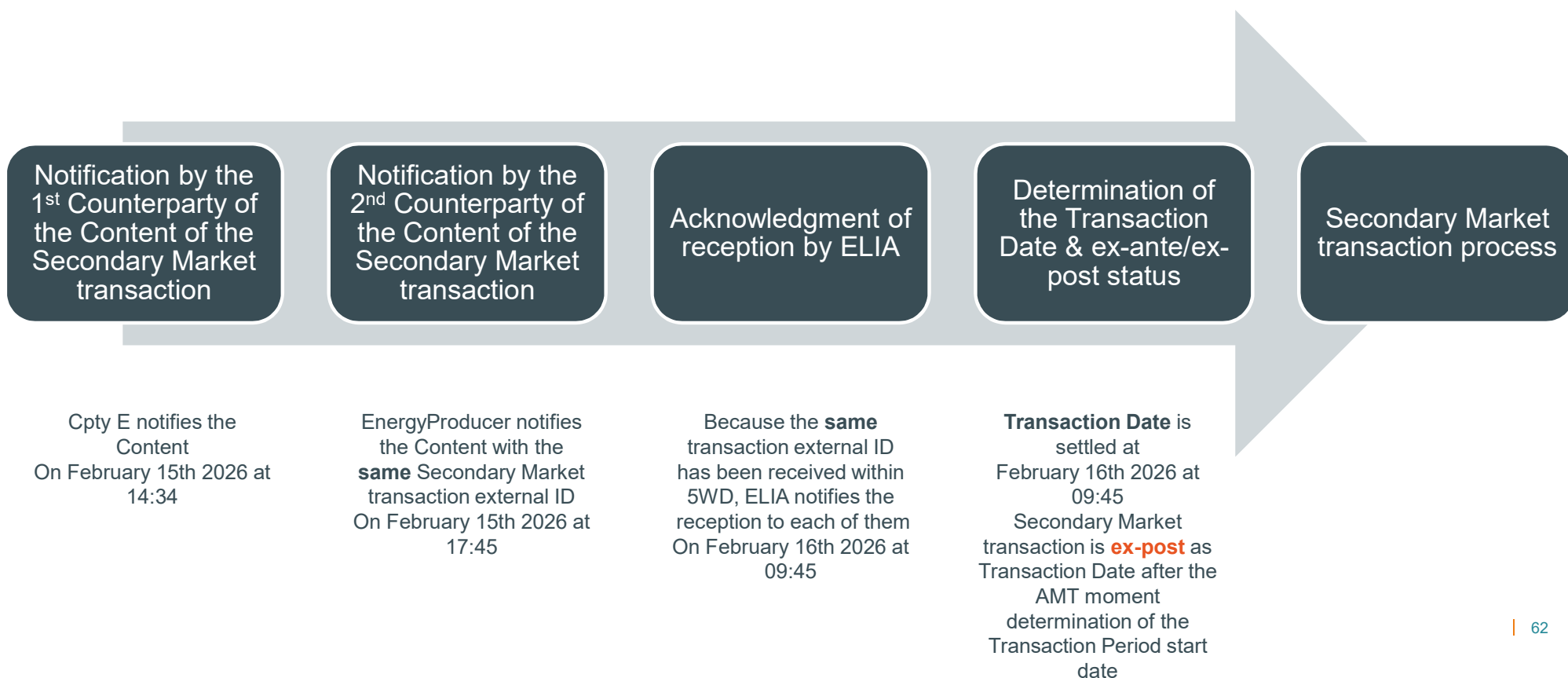
Both counterparties connect on the CRM IT Interface – Secondary Market title transfer facility and send the notifications content towards ELIA

→ 4,2MW on CMU1

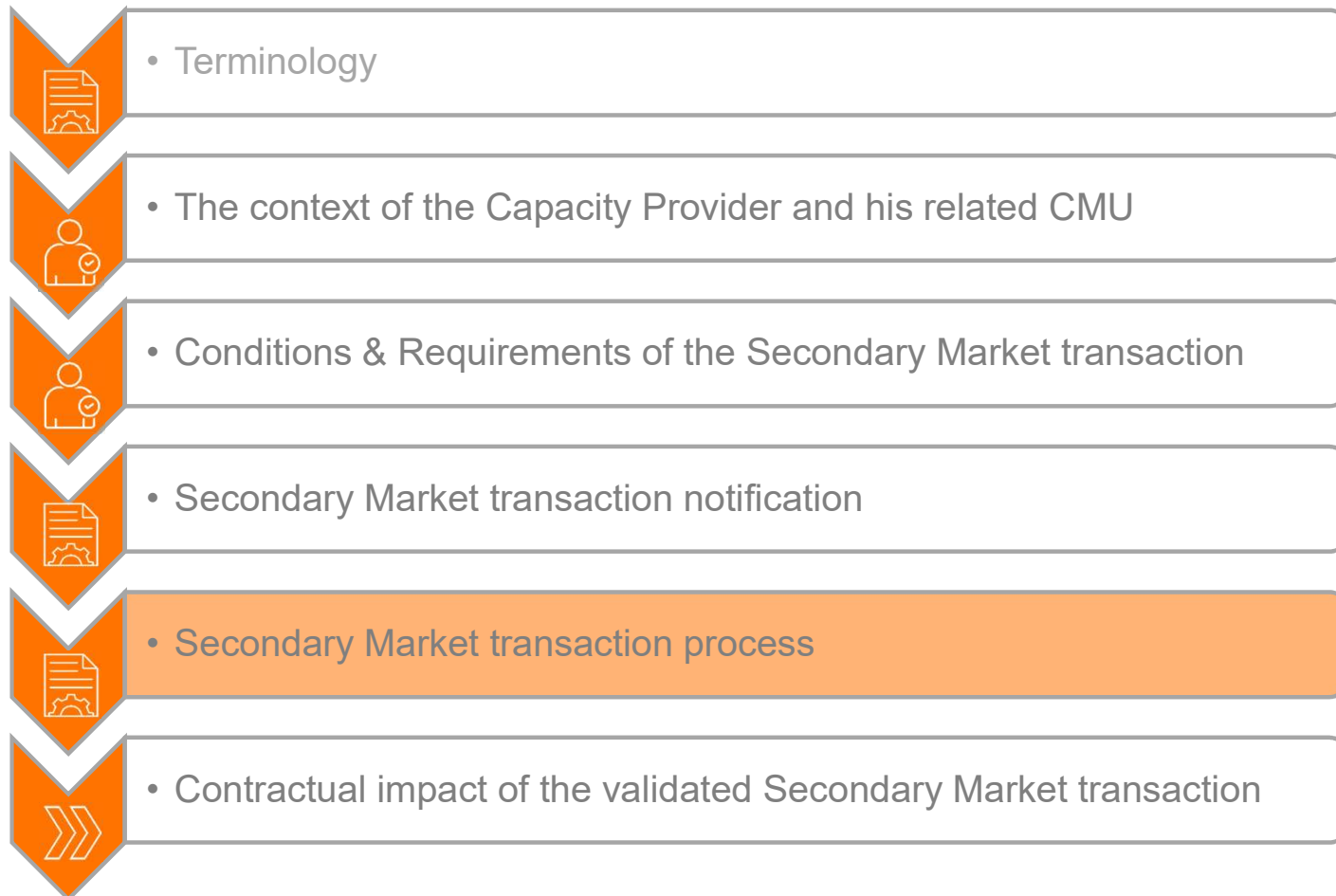
Information	Type	Unit	Unit
Secondary Market transaction external ID	Free field of 6 alphabet letters followed by 6 digits	NA	PLMDSE237954
Seller of an Obligation ID	Capacity Provider ID	NA	= CptyE ID as CRM Candidate
CMU of the Seller of an Obligation	CMU ID	NA	= CMU ID of CptyE
Transaction releasing an obligation	Transaction ID	NA	= Transaction ID of CptyE of 150MW
Buyer of an Obligation	Capacity Provider ID or Prequalified CRM Candidate ID	NA	= EnergyProducer ID as CRM Candidate
CMU of the Buyer of an Obligation	CMU ID	NA	= CMU1 ID of EnergyProducer
Secondary Market Capacity	Floating	MW	4,2
Transaction Period	Date / Time to Date / Time	Time	14/02/2026 17:00 to 14/02/2026 21:00 (4 hours)
Capacity Remuneration	Floating	€/MW/year	27 000
Calibrated Strike Price of the Transaction	Floating	€/MWh	500
Strike Price indexation Auction year	Integer or "NA"	Year	2021
Strike Price indexation Auction type	"Y-4", "Y-1" or "NA"		Y-4

4. Secondary Market transaction notification (5th Transaction)

The process to be followed by the Prequalified CRM Candidates (or Capacity Providers) when performing a notification for a Secondary Market transaction is represented in the following diagram:

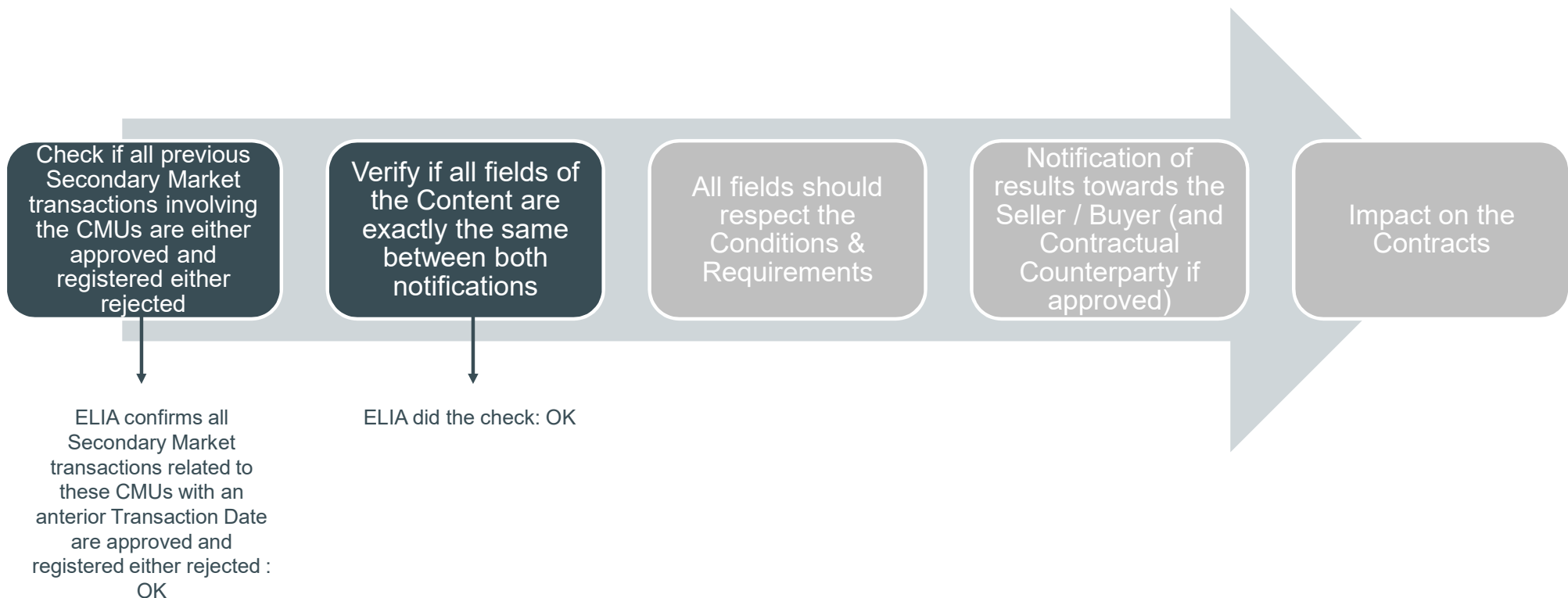


USE CASE STRUCTURE



5. Secondary Market process (5th Transaction)

The process to be followed by the Prequalified CRM Candidates (or Capacity Providers) when performing a notification for a Secondary Market transaction is represented in the following diagram:





5. Secondary Market process (5th Transaction)

Check if all Secondary Market transactions involving the CMUs are either approved and registered either rejected

Verify if all fields of the Content are exactly the same between both notifications

All fields should respect the Conditions & Requirements

Notification of results towards the Seller / Buyer (and Contractual Counterparty if approved)

Impact on the Contracts

✓ The Secondary Market transaction ID is unique to the CMUs

✓ The notification has been issued by both the Seller and the Buyer of an Obligation in the transaction

✓ The Transaction releasing an obligation of the CMU of the Seller of Obligation (**CptyE**) has a Contracted Capacity which is above or equal the 4,2MW Secondary Market Capacity on the Transaction Period which is on [14/02/2026]

✓ The CMU of the Buyer of an Obligation (**EnergyProducer**) has a Secondary Market Remaining Eligible Volume which is above or equal the 4,2MW Secondary Market Capacity on the Transaction Period which is on [14/02/2026]

✓ The CMU1 of EnergyProducer is not under any contractual escalation impeaching them to take over the 4,2MW

✓ The Transaction Period is a set of consecutive hours considered as AMT moment hours within the same calendar day.

✓ The Strike Price and the Capacity Remuneration of the Transaction releasing an Obligation are the one of its Contract



5. Secondary Market process

Check if all Secondary Market transactions involving the CMUs are either approved and registered either rejected

Verify if all fields of the Content are exactly the same between both notifications

All fields should respect the Conditions & Requirements

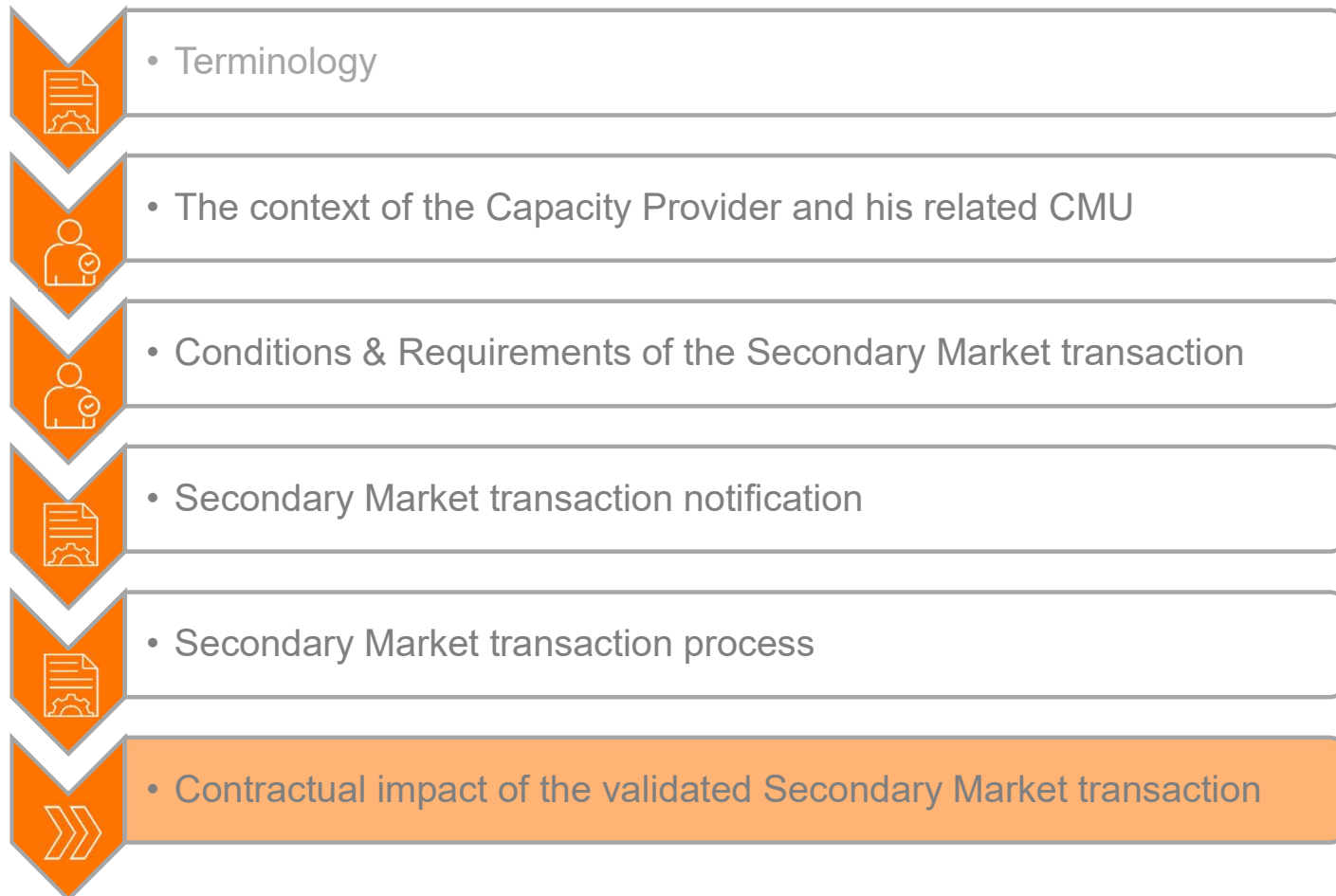
Notification of results towards the Seller / Buyer (and Contractual Counterparty if approved)

Impact on the Contracts

Information	Unit	Value
Secondary Market transaction external ID	NA	PLMDSE237954
Seller of an Obligation ID	NA	CptyE
CMU of the Seller of an Obligation	NA	CMU ID of CptyE
Transaction releasing an obligation	NA	Transaction ID of the CMU
Secondary Market Capacity	MW	4,2
Transaction Period	Time	14/02/2026 17:00 to 14/02/2026 21:00 (4 hours)
Capacity Remuneration	€/MW/year	27 000
Calibrated Strike Price of the Transaction	€/MWh	500
Strike Price indexation Auction year	Year	2021
Strike Price indexation Auction type		Y-4
Transaction Date	Time	16/02/2026 09:45

Information	Unit	Value
Secondary Market transaction external ID	NA	PLMDSE237954
Buyer of an Obligation	NA	EnergyProducer ID
CMU of the Buyer of an Obligation	NA	CMU1 ID of EnergyProducer
Secondary Market Capacity	MW	4,2
Transaction Period	Time	14/02/2026 17:00 to 14/02/2026 21:00 (4 hours)
Capacity Remuneration	€/MW/year	27 000
Calibrated Strike Price of the Transaction	€/MWh	500
Strike Price indexation Auction year	Year	2021
Strike Price indexation Auction type		Y-4
Last Published Derating Factor	No unit	0,93
Transaction Date	Time	16/02/2026 09:45

USE CASE STRUCTURE





6. Contract impact (5th Transaction)

- If approved by ELIA, the details of both impacts on the Contracts are transferred towards the Contractual Counterparty and to the Seller and the Buyer individually.
- Based on the approved Secondary Market transaction notification, the Contractual Counterparty:
 - Modifies the Contract of the Seller **CptyE**, Transaction Contracted Capacity is diminished from **150MW to 145,8MW** on the period [14/02/2026 from 17:00 to 20:00 included] and remains at 150MW for the rest of the DP2025 except December 2025 which remains at 137MW and March 2026 at 146MW
 - Add a Transaction to the Contract of the Buyer **EnergyProducer**
 - A new Transaction is created on the period [14/02/2026 from 17:00 to 20:00 included] with a Contracted Capacity of 4,2MW, a Strike Price of 500€/MWh+indexation, a Capacity Remuneration of 27k€/MW/y and a derating factor of 0,93.
 - Confirms to ELIA within the 5 working days, the good modification, otherwise deemed registered.
- The Secondary Market Remaining Eligible Volumes of both CMUs are automatically updated for new Secondary Market transactions approval checks.