

Explanatory slides for accompanying the T&C OPA and T&C SA

The entry into force of the Federal Grid Code triggered the need to split up the roles and responsibilities between the NEW actors Outage Planning Agent (OPA) and Scheduling Agent (SA) in a regulated contract. These roles and responsibilities are today consolidated in the non-regulated CIPU contract (the contract for the Coordination of Injection of Production Units) concluded between ELIA and the BRP.

The following slides give a high level overview of the dispositions of the Federal Grid Code regarding the roles and responsibilities to be taken up by the OPA and the SA.

T&C OPA (1/2)

- **Article 244 of the Federal Grid Code :**
 - Elia shall determine the Contract for Outage Planning Agent (“OPA Contract”)
 - submit it for approval six months after entry into force of the Federal Grid Code
- **Article 377 of the Federal Grid Code**
 - The roles and responsibilities of the OPA for these T&C OPA shall be taken on by the Balance Responsible Party (BRP)
- **Article 243 and Article 377 of the Federal Grid Code**
 - Outage planning obligation for following Technical Units:
 - PGM or ESD B, C, D connected to the transmission grid directly or through a CDS
 - Demand facilities directly connected to the transmission grid
 - Transitory period foreseen for gradual transition from the “as is” towards the “to be” Icaros design

OUTAGE PLANNING AGENT: pragmatic approach for transition period Step 1

POWER GENERATING MODULE (PGM) or ENERGY STORAGE DEVICE (ESD)

DEMAND FACILITIES

25 MW or more

1 – 25 MW

Mandatory signature of OPA contract

- Connected to Elia Grid directly or through CDS : default rules* or Voluntary
- Connected to DSO Grid : Voluntary

Simplified information exchanges based on current practices – no operational change

- ❖ Availability status
- ❖ Temporary restrictions

Explanatory slides T&C OPA & T&C SA

*Default rules = per default available & Pmax of connection contract as input

T&C OPA (2/2)

- **Article 243 of the Federal Grid code**

- T&C OPA shall define the type of information exchange that need to be provided regarding the availability plans.

- **Article 244 of the Federal Grid code**

T&C OPA shall

- define the procedures and timing for providing the exchange information
- foresee the modalities for the amendment of availability plans (status & temporary restrictions).

T&C SA (1/2)

- **Article 249 of the Federal Grid Code :**
 - Elia shall determine the Contract for Scheduling Agent (“SA Contract”)
 - submit it for approval six months after entry into force of the Federal Grid Code
- **Article 377 of the Federal Grid Code**
 - The roles and responsibilities of the SA for these T&C OPA shall be taken on by the Balance Responsible Party (BRP)
- **Article 246 ; 248 and Article 377 of the Federal Grid Code**
 - Scheduling obligation for following Technical Units:
 - PGM or ESD B, C, D connected to the transmission grid directly or through a CDS
 - Demand facilities are exempted
 - Redispatching bid obligation for SA of technical units covered by scheduling obligation
 - Transitory period foreseen for gradual transition from the “as is” towards the “to be” Icaros design

SCHEDULING AGENT: pragmatic approach for transition period Step 1

POWER GENERATING MODULE (PGM) or ENERGY STORAGE DEVICE (ESD)

DEMAND FACILITIES

25 MW or more

1 – 25 MW

- ❖ Active power schedules in day-ahead (DA) and intraday (ID)
- ❖ Implicit congestion bids in DA cost based and in ID market based

Mandatory signature of SA contract

- Connected to Elia Grid directly or through CDS : default rules* or Voluntary

- Connected to DSO Grid : Voluntary

Exempted

Explanatory slides T&C OPA & T&C SA

*Default rules = usage of Elia forecasts /profiles; no redispatching bid

T&C SA (2/2)

- **Article 249 of the Federal Grid Code**

T&C SA shall

- define the type of information exchange that need to be provided regarding scheduling and the offering of upward or downward active power output.
- define the procedures and timing for providing the information exchange regarding scheduling and the offering of upward or downward active power output.

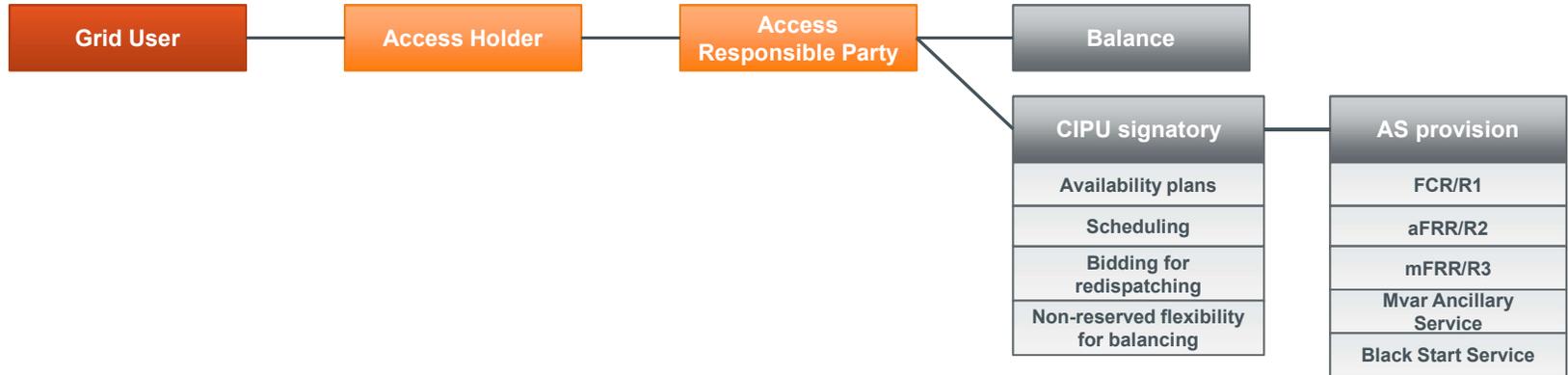
- **Article 249 and article 251 of the Federal Grid Code**

T&C SA shall

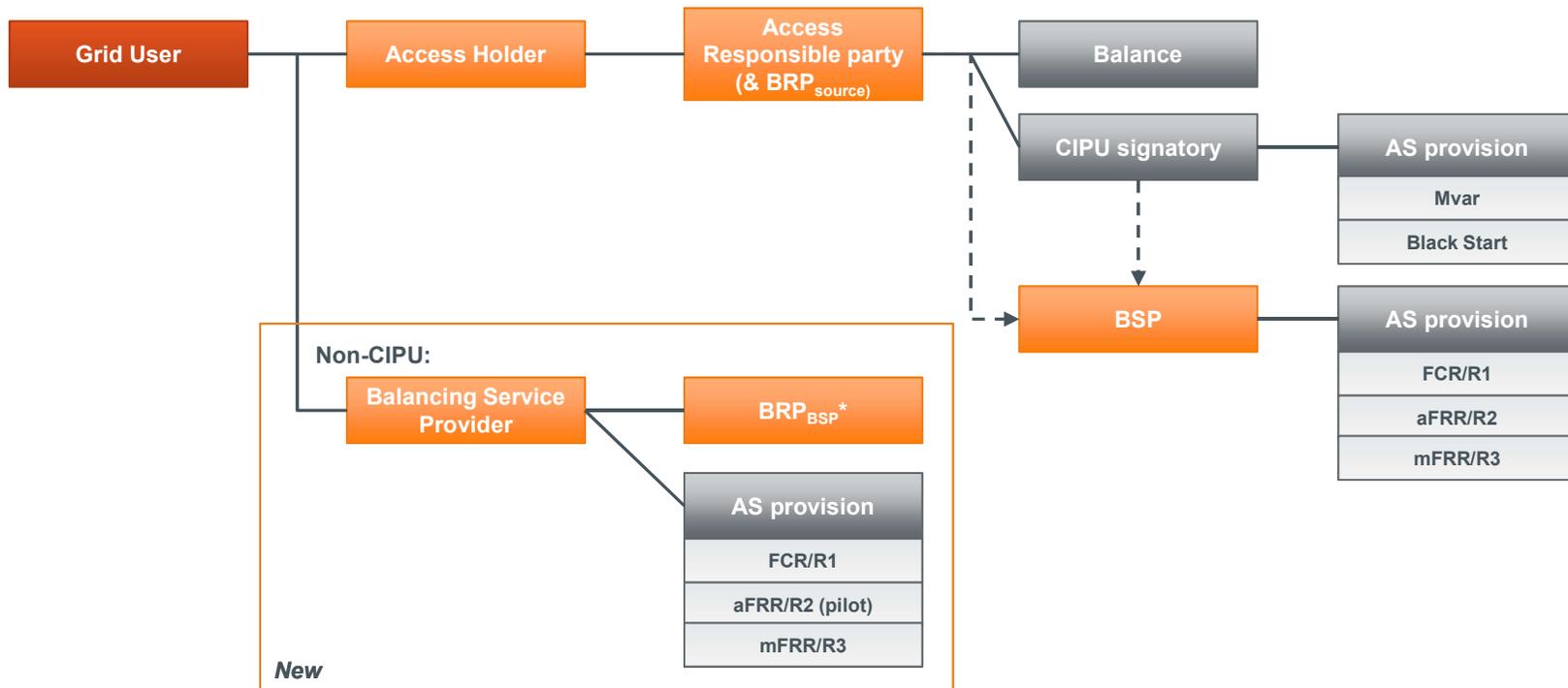
- foresee the modalities for the amendment of schedules and the offering of upward or downward active power output.

The following slides give a high level overview of the historical roles and responsibilities and how to move to the allocation of these roles and responsibilities towards the new identified actors.

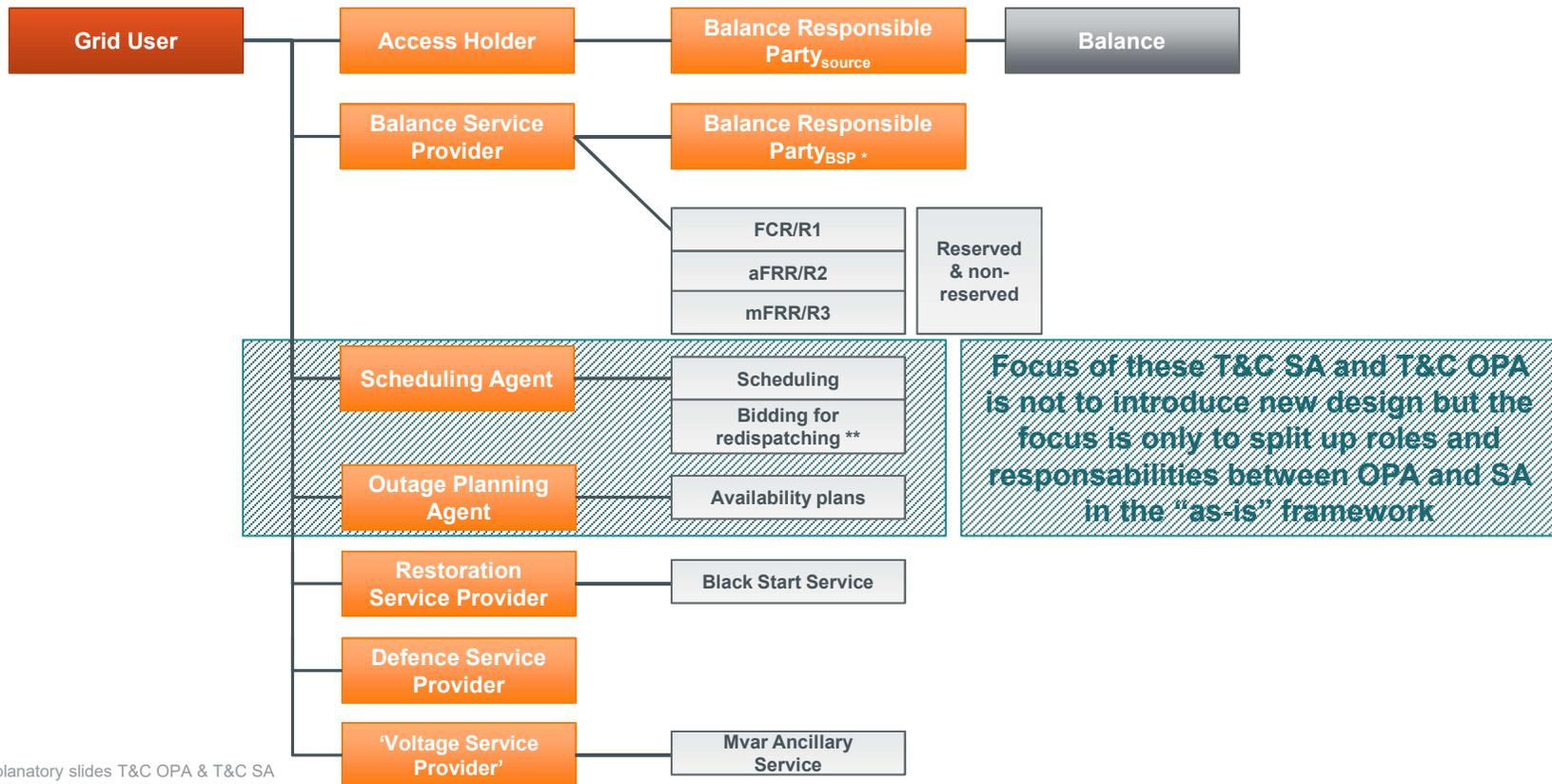
Historical roles & responsibilities



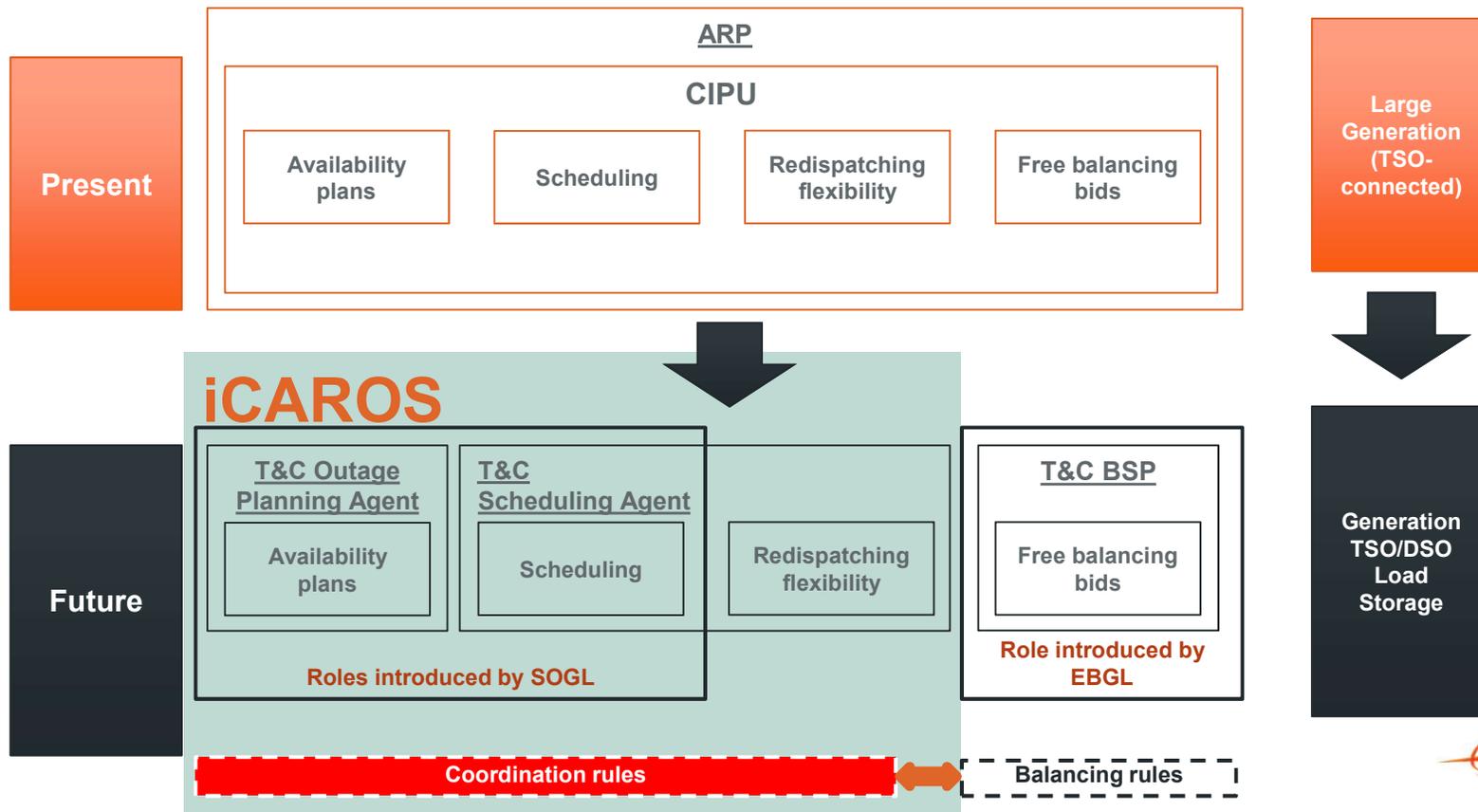
Current roles & responsibilities



Future roles & responsibilities (final vision)



Moving to new Roles



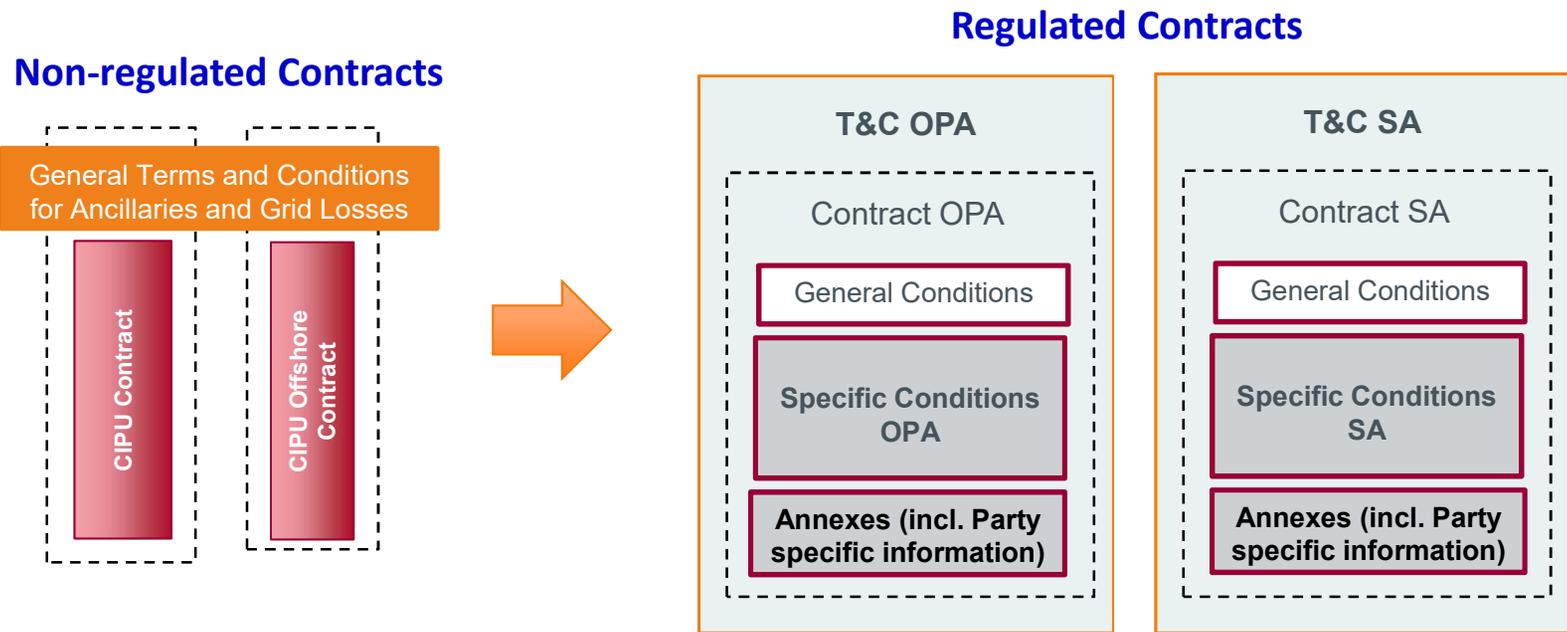
New roles of OPA and SA will be taken up by BRP during
Transition Period

Transition Period (Federal Grid Code – Art. 377)

- The Federal Grid Code foresees a transitory period between the current scheme (BRP and CIPU contract) and the target scheme (independent roles of OPA and SA, and respective T&Cs)
- The modalities of the transition , which can be gradual, are set by Elia and approved by the Regulatory Authority pursuant to articles 4(§4) and 377 of Federal Grid Code
- In the meantime for this first step of transition:
 - BRP assumes the role of OPA and SA
 - Obligations that are prescribed in CIPU contract will be transferred in the T&C OPA and SA

The following slides give an overview of the content of the OPA Contract and the SA Contract

Terms & Conditions OPA / SA – Version 1



- ✓ Transposition of current CIPU Contracts rules and obligations to new Contracts OPA and Contracts SA in line with the roles and responsibilities set in SOGL
- ✓ No change of the AS IS procedures, Elia tools or IT connections to the Elia tools

OPA/SA Contracts

Art 244 and 249 of Federal Grid Code specify the minimum set of obligations to be integrated in the OPA and SA Contracts respectively, ensuring compliance with SOGL

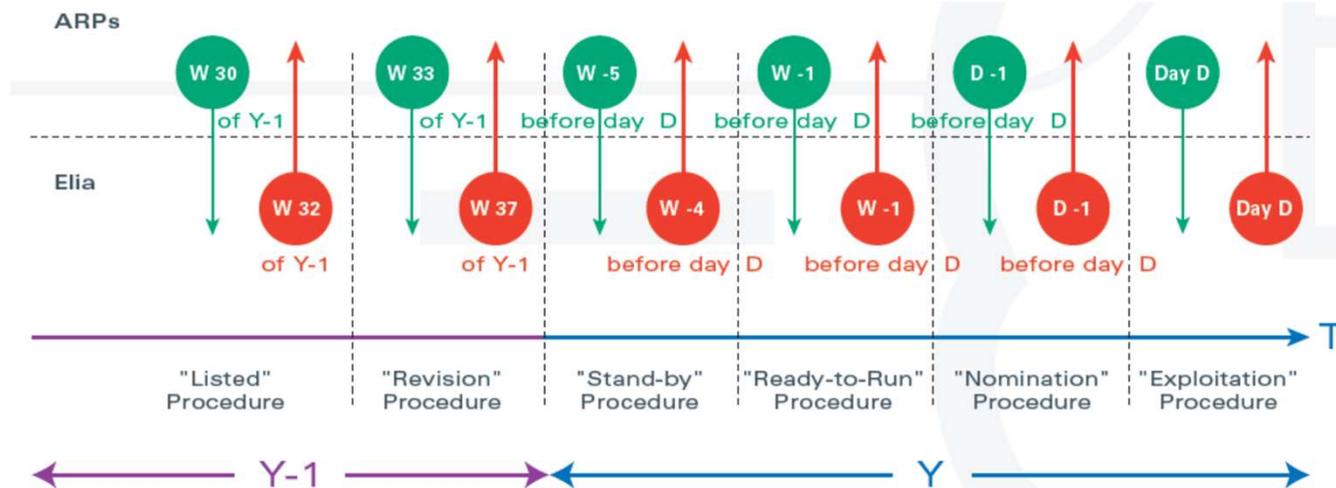
Outage Planning Agent Contract (Federal Grid Code - Art 244 §2)
1. Conditions for technical units and outage planning agents
2. Appointment of outage planning agent by grid user
3. Information exchange scope (including availability plan conform SOGL)
4. Information exchange specifications (such as timing, format...)
5. Procedures for availability plan adaptations and where applicable associated remuneration
6. Eventual remunerations of point 5 have to be based on demonstrable and reasonable costs directly linked to the availability plan adaptation
7. Penalties if applicable

Scheduling Agent Contract (Federal Grid Code - Art 249 §2)
1. Conditions for technical units and scheduling agents
2. Appointment of scheduling agent by grid user
3. Information exchange scope (including active power schedule and its updates)
4. Information exchange specifications (such as timing, format, ...)
5. Conditions for acceptance of schedule changes
6. Specifications and criteria's for redispatching bids
7. Application of TSO restrictions prior to first submission of schedules
8. Schedule changes remuneration. Eventual remunerations have to be based on demonstrable and reasonable costs.
9. Return to schedule can be requested by Elia in case of deviation
10. Penalties if applicable

Deadline of submission for approval of OPA/SA Contracts to regulator:
6 months after entry into force of Federal Grid Code

Current CIPU Contract

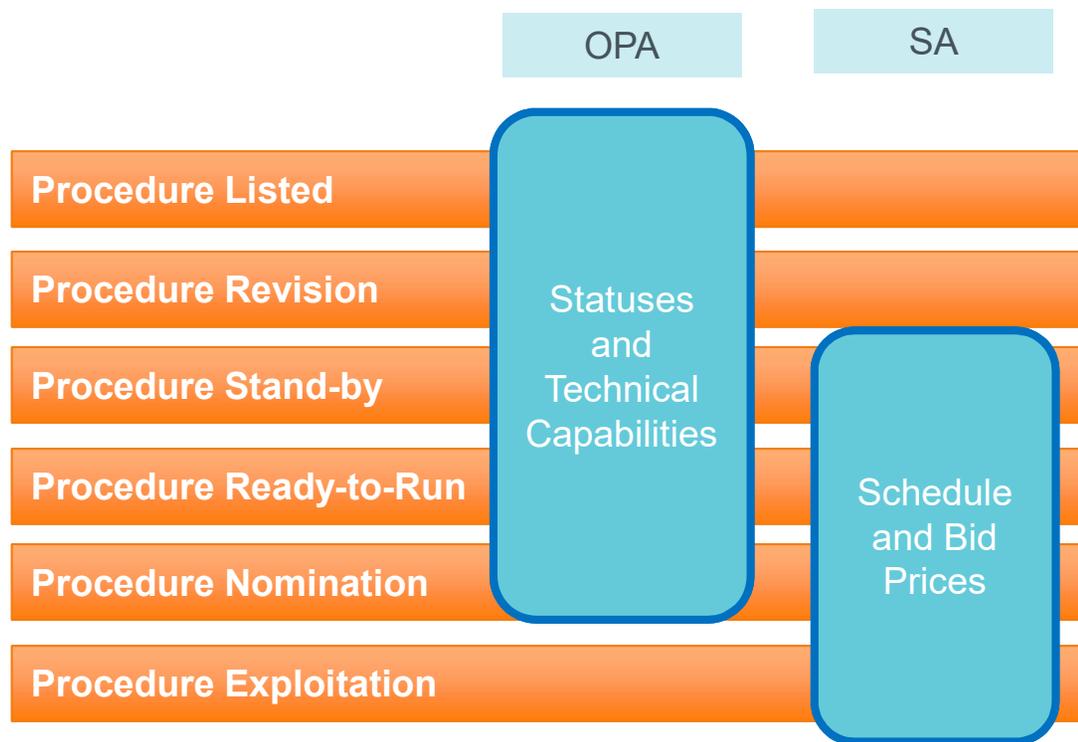
- 6 procedures in a calendar cycle: exchange of information on statuses, technical information, power schedules and bid prices (for redispatching and balancing)
- Remuneration/compensation linked to change of statuses for planning and to the requested change of power schedule in case of redispatching/balancing



From CIPU to OPA/SA

Procedures are kept and exchange of information is splitted in line with SOGL and Federal Grid Code:

- OPA Contract comprises all statuses that impact availability plans, together with technical information
- SA Contract comprises all power schedule information and prices for redispatching



No change of current exchange of information, considering that BRP plays the role of OPA and SA during this phase.

Transposition of CIPU Contract in OPA / SA Contracts

Current CIPU Contract

Definitions	4
1 Conclusion of the contract and application of the General Terms & Conditions.....	10
2 General remarks.....	10
3 "Listed" Procedure.....	12
4 "Revision" Procedure.....	12
5 "Stand-by" Procedure	14
6 "Ready-to-Run" Procedure	15
7 "Nomination" Procedure	17
8 "Intraday Nomination" Procedure	18
9 "Exploitation" Procedure.....	19
10 Additional provisions	21
11 Reserve capacity.....	22
12 Exchange of information concerning performance of the Contract.....	22
13 Payment	23
14 Analysis of forced outages or limitations.....	32
15 Invoicing and payment	32



Titles OPA/SA	Articles OPA Contract	Articles SA Contract
DEFINITIONS	Definitions	Definitions
CONDITIONS FOR PARTICIPATION	Conditions for OPA	Conditions for SA
	Conditions for Technical Units	Conditions for Technical Units
PROCEDURES	General provisions	General provisions
	"Listed" procedure	"Stand-by" procedure
	"Revision" procedure	"Ready-to-run" procedure
	"Stand-by" procedure	"Nomination" procedure
	"Ready-to-run" procedure	"Intraday Nomination" procedure
	"Nomination" procedure	"Exploitation" remuneration
	"Intraday Nomination" procedure	
ADDITIONAL PROVISIONS	General provisions	General provisions
EXCHANGE OF INFORMATION	General provisions	General provisions
	Form of communication	Form of communication
	Communication of Forced Outages	Communication of Forced Outages
REMUNERATION	General provisions	General provisions
	"Listed" remuneration	"Stand-by" remuneration
	"Revision" remuneration	"Ready-to-run" remuneration
	"Stand-by" remuneration	"Nomination" remuneration
	"Ready-to-run" remuneration	"Exploitation" remuneration
	"Nomination" remuneration	
INVOICING & PAYMENT	Invoicing & payment	Invoicing & payment

Explanatory slides T&C OPA & T&C SA

Summary of submitted T&C OPA (including OPA Contract) and T&C SA (including SA Contract)

- **Regulation of planning, scheduling and redispatching** : transposition of current non-regulated CIPU Contract to regulated OPA and SA
- **Use of new SOGL terminology**
- **Fusion of CIPU and CIPU Offshore in the respective OPA and SA Contracts**
- **Integration of one novelty** : storm risk integration as specified in articles 245 and 252 of the Federal Grid Code
- **BRP still plays roles of OPA and SA during this first step of transition to the final target (in the iCAROS design)**