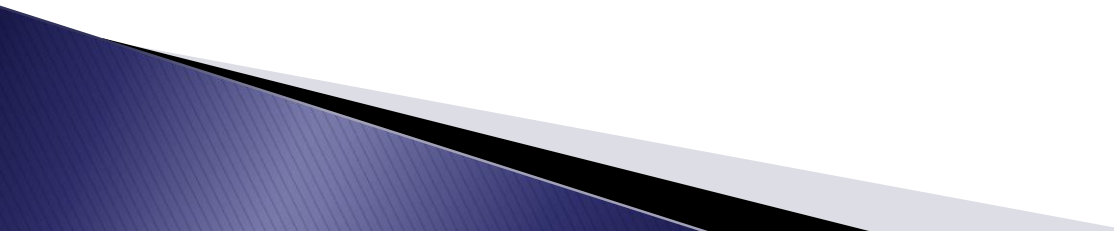


Implementation of Connection Network Codes

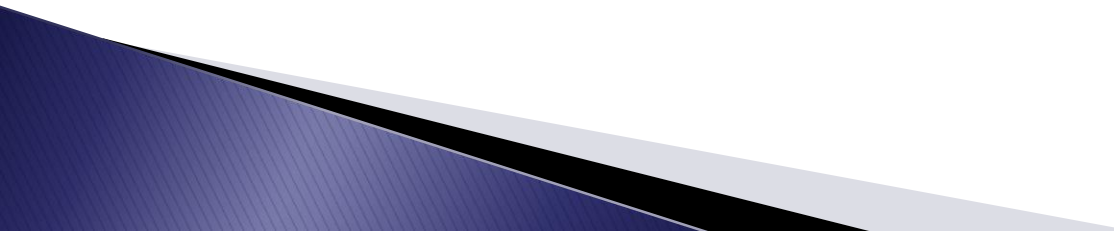
The French process

Energy Community /ENTSOE external Workshop
Vienna 25.02.2016

Topics

- ▶ Organisation and schedule
 - ▶ Impact on the national documents
 - ▶ Roles of the involved parties
- 

Topics

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Launch of the national implementation of connection Network Codes

A « pilot working group » was put in place in October 2014 by the Ministry, in cooperation with the French Regulator (CRE), in order :

- ▶ **To assess the impact** of RfG on the existing texts governing the connection of generators to the grid
- ▶ **To list the subjects** that have to be discussed with stakeholders and identify their importance for the stakeholders
- ▶ **To define** in which framework the **consultation** should take place.

A report was presented to the Ministry and the Regulator in March 2015.

A specific committee for discussion and proposals

The report concluded that a **specific committee** should be put in place to discuss and make proposals on the implementation of RfG on a national level.

This committee **only** addresses the implementation of **RfG**. It started in July 2015.

Feedback on this experience should enable us to decide on the process for following codes. These principles should be consistent.

A committee on DCC implementation was put in place in December 2015

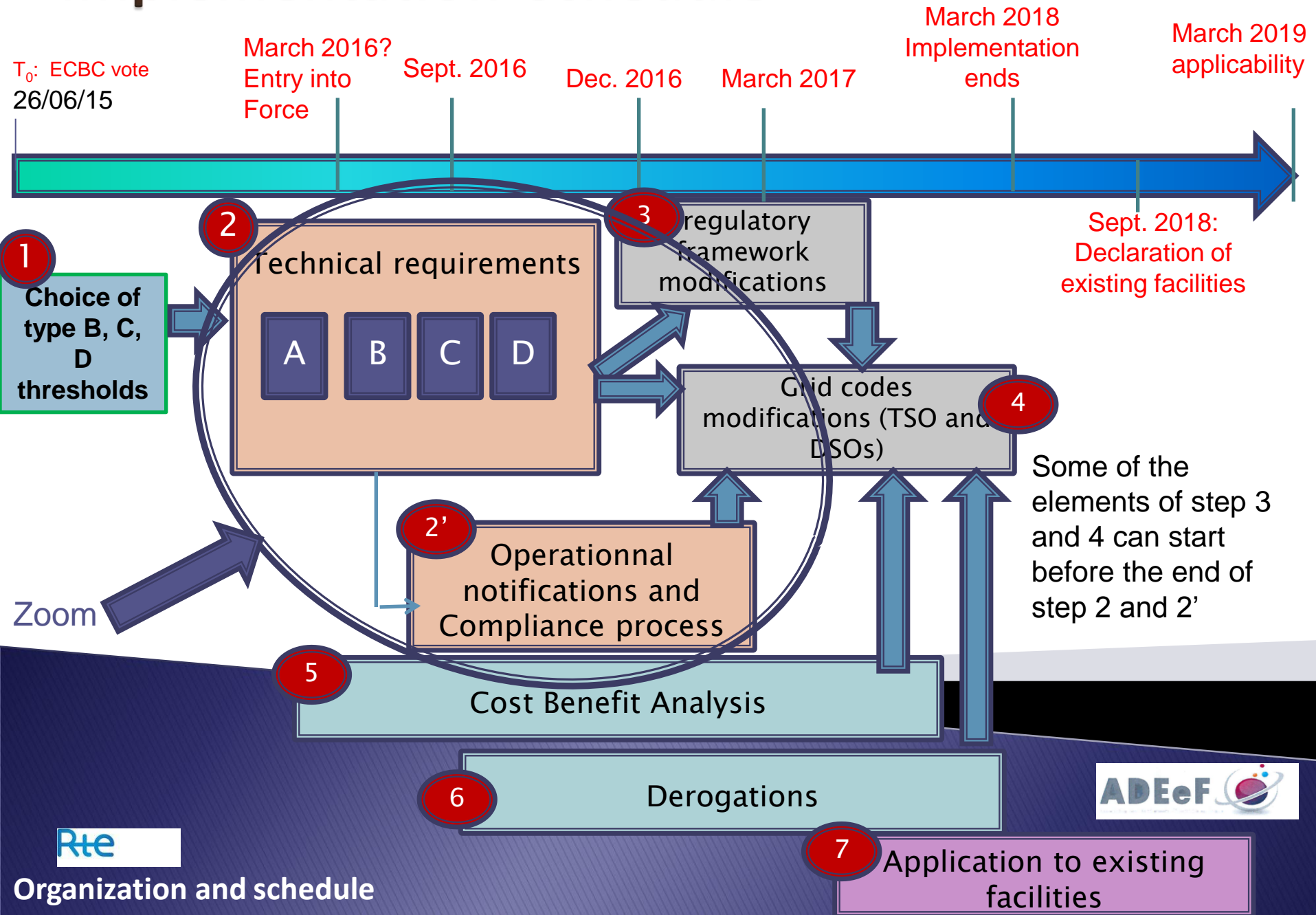
A third one on NC HVDC is expected in March 2016

Key principles

The committee makes proposals on **non-exhaustive and non mandatory requirements** as well as proposals on **methodologies** identified by the « pilot working group ».

Based on these proposals, it will then be up to the **Ministry and/or the Regulator** to decide on these requirements and methodologies.

Implementation schedule

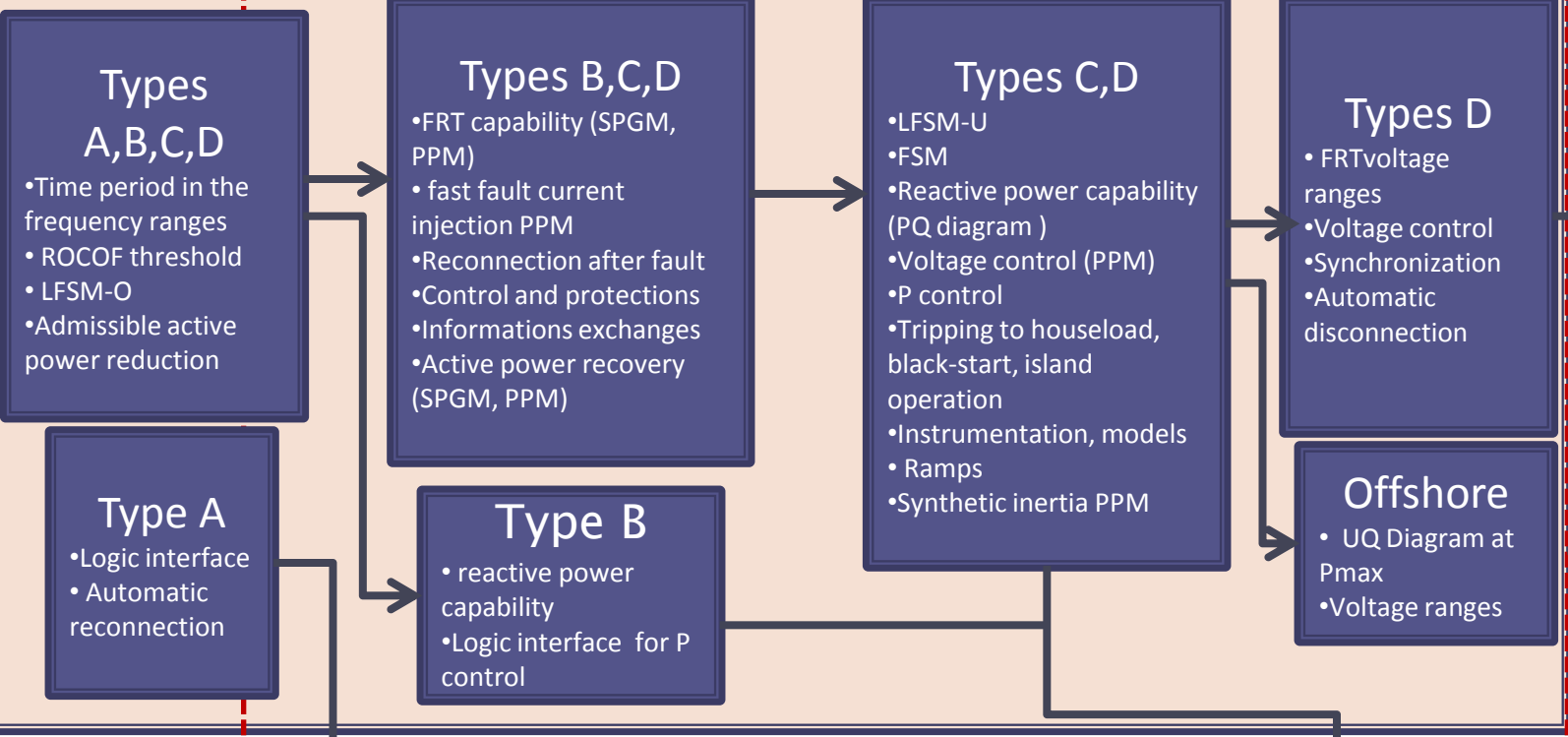


Implementation schedule -Zoom

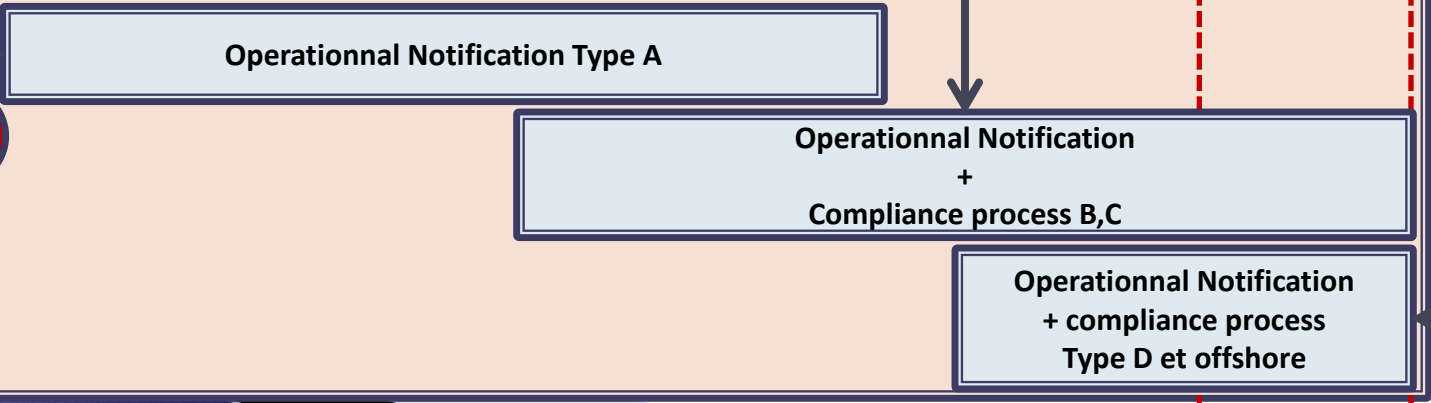
March 2017

Dec 2016

March 2016

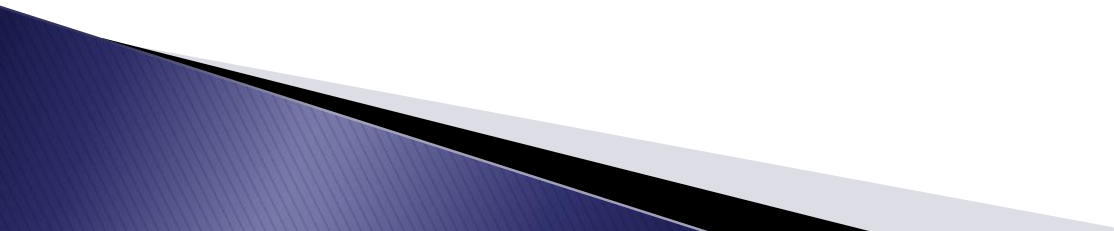


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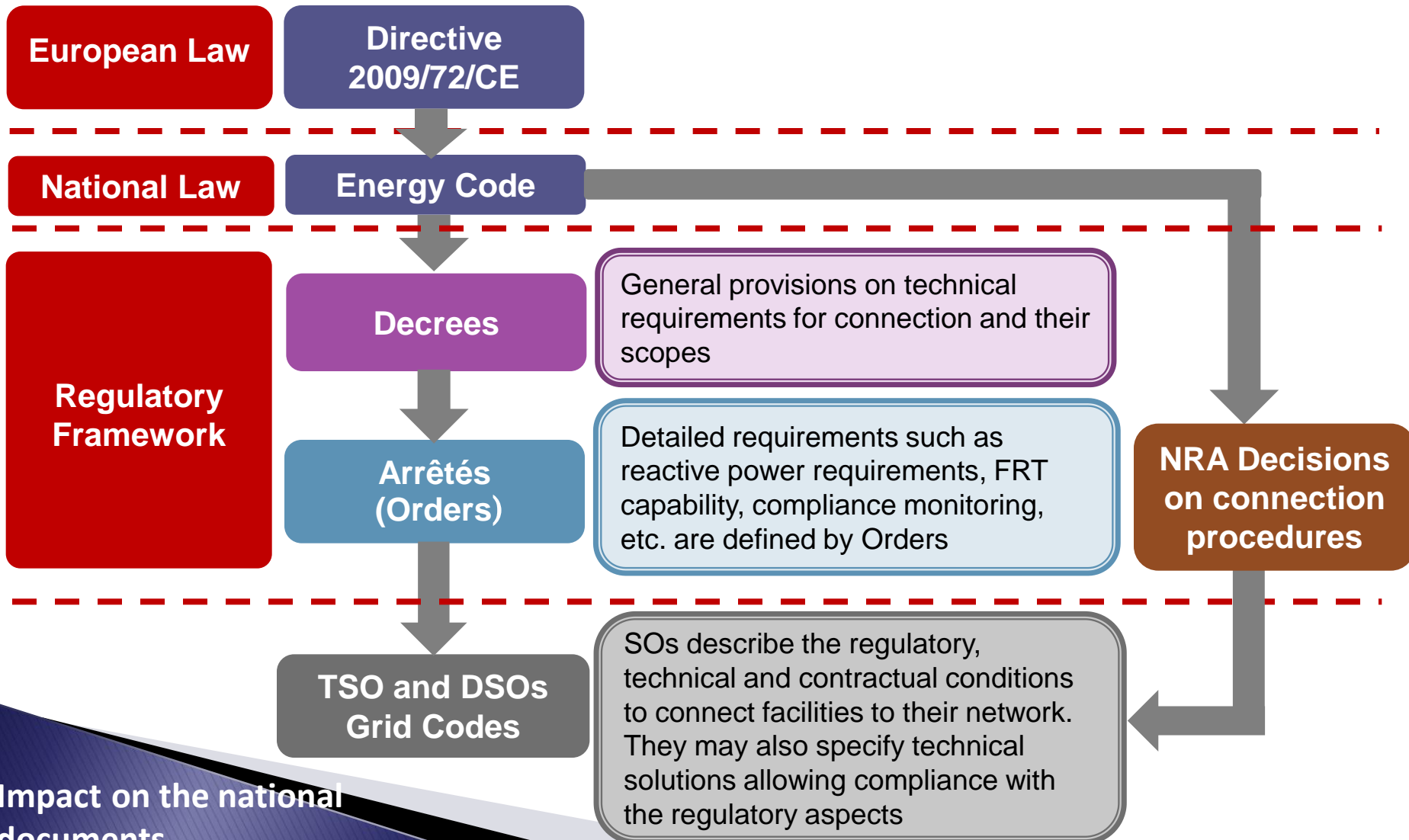


Organization and schedule

Topics

- ▶ Organisation and schedule
 - ▶ Impact on the national documents
 - ▶ Roles of the involved parties
- 

Existing framework concerning technical requirements for connection



Impact of the RfG NC on Decree

Decree

- Today, France has one Decree related to the connection of generators.
- This decree must be revised. For the sake of clarity, an option under discussion is to keep one “all-encompassing Decree”.

Option under discussion → A “all-encompassing Decree” which could :

- Include the existing provisions still applicable and take into account new provisions from the RfG Network Code.
- Define which national authority is competent to approve, when needed, requirements from the RfG NC and create the link between provisions which will be defined in Orders, NRA Decisions and Grid Codes.

Impact of the RfG NC on Orders and Grid Codes

Arrêtés (Orders)

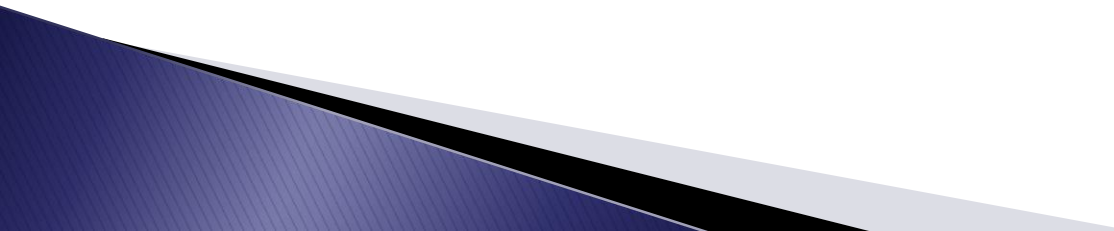
- Today, France has Orders defining the technical requirements and compliance monitoring measures **per voltage level**
- A deep revision will be needed in order to take into account the new provisions from the RfG Network Code (Yet to be determined during Implementation Committee)

TSO and DSOs Grid Codes

- System Operators Grid Codes bringing together a large number of regulatory, technical and contract conditions will be strongly impacted
- A deep revision should be conducted by each System Operator

The Grid Codes should gather RfG NC and national regulations provisions in order to inform customers of all applicable provisions.

Topics

- ▶ Organisation and schedule
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- 

The Involved Parties

- ▶ **Stakeholders** : generators, associations of generators, manufacturers
- ▶ **Network operators**: the DSOs association, RTE
- ▶ **the French Energy Ministry and the Regulator.**

All are involved through the specific Implementation Committee

The Implementation Committee

Decision and Validation Authorities (NRA / French Ministry)

Implementation Committee
(Convenors: RTE / DSOs Association)

Ad-hoc working groups

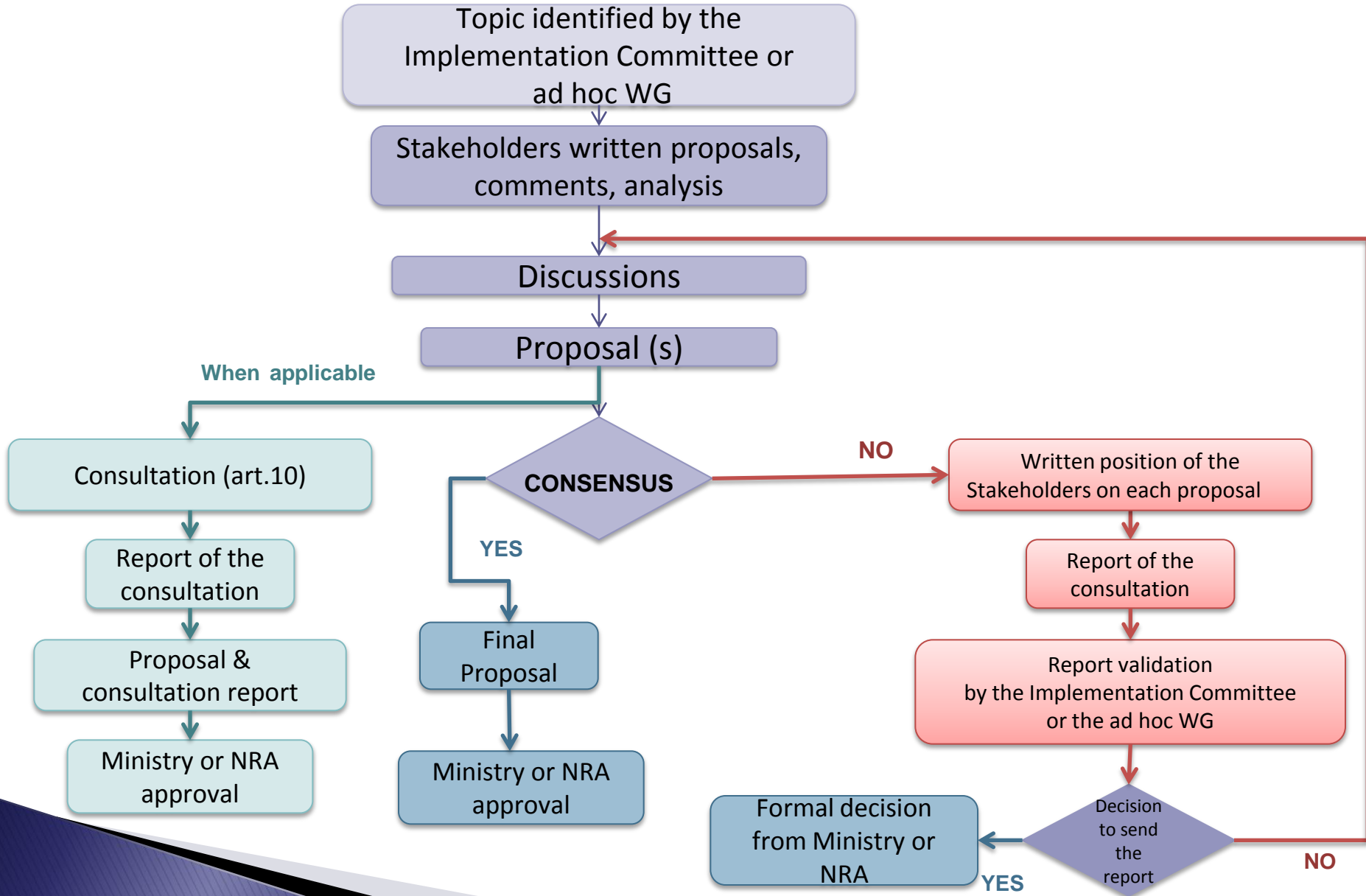
Transmission
specific issues

Distribution specific
issues

Common
issues

Proposals of changes in the regulatory framework
Or
Principles to include in the network operator grid codes

How does the committee work?



Thank you for your attention!

