

Network Code on Emergency and Restoration

Public Workshop 2

12 November 2014 - Brussels

Drafting Team Emergency and Restoration

Agenda



13:00-13:15	Introduction and NC status	Konstantin Staschus ENTSO-E Secretary-General
13:15-13:45	Major improvements in NC ER Roundtable organisation	Laurent Lamy ENTSO-E Convenor of NC ER Drafting Team
13:50-14:25	Roundtables – session 1	NC ER Drafting Team members Workshop participants
14:30-15:05	Roundtables – session 2	NC ER Drafting Team members Workshop participants
Coffee break		
15:15-15:50	Roundtables – session 3	NC ER Drafting Team members Workshop participants
15:55-16:30	Roundtables – session 4	NC ER Drafting Team members Workshop participants
16:35-17:30	Conclusion & Summary of workshop	Geoffrey Feasey ENTSO-E Corporate Affairs Manager Laurent Lamy ENTSO-E Convenor of NC ER Drafting Team

Network Code on Emergency and Restoration

Introduction and network code status

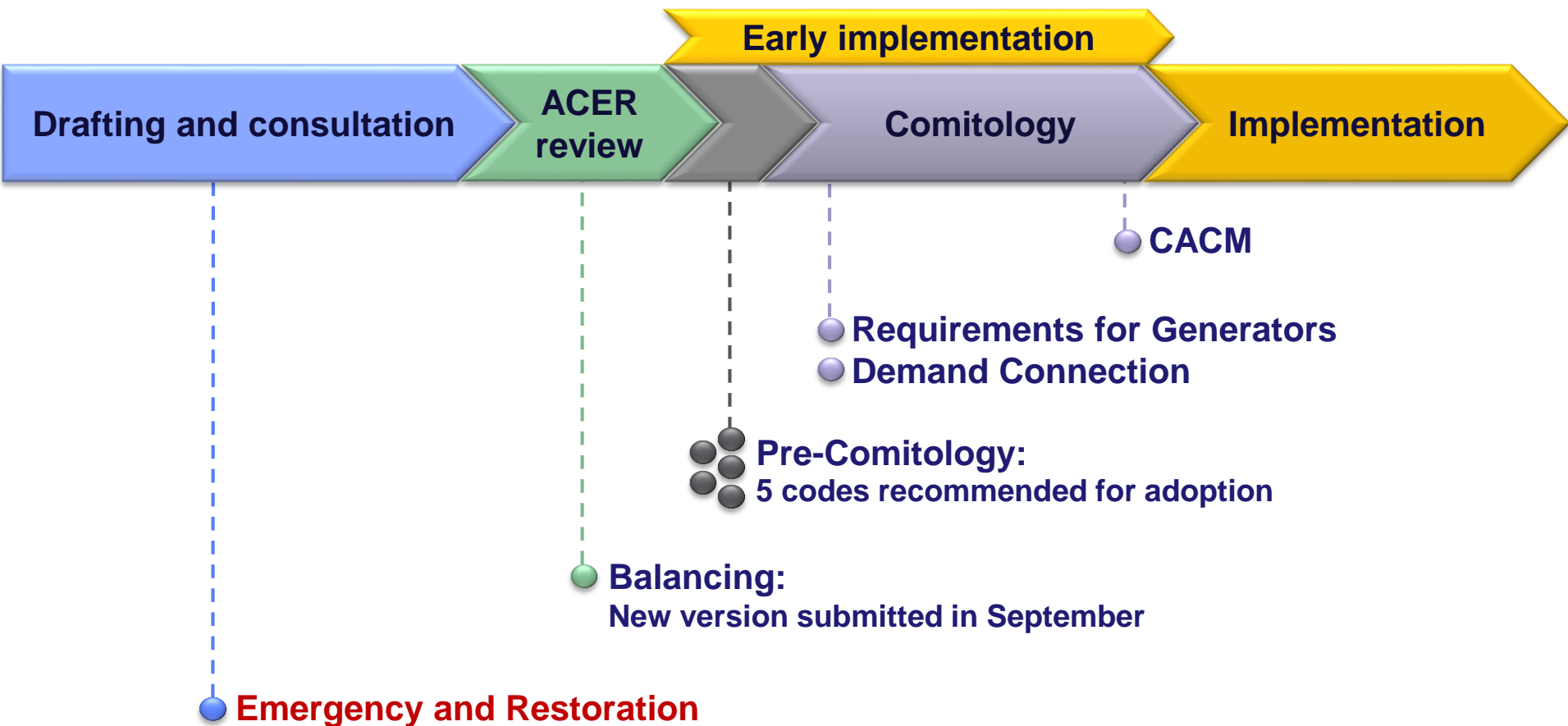
Konstantin STASCHUS

Objective of this workshop



Listen to stakeholders

Current status of Network Codes



Some Network Codes will be relabelled “guidelines”, leaving their content and legal value unchanged

	Network codes	Binding guidelines
Content	Set of rules that can be directly implemented in each Member States	Include items which require further implementation at cross-border level
Legal force	Binding	Binding
Development process	Defined in Third Energy Package	In principle development process of binding guidelines can be less formal In practice same process as for network codes applied so far
Adoption process	Comitology procedure	Comitology procedure
Amendment process	Defined in Electricity Regulation and ACER guidance document	Not defined In practice should be the same process as for network codes

Long term stakeholder engagement: creating a European stakeholder committee with ACER

- Public consultations
- Public workshops
- Ad-hoc expert groups
- Users groups
- Bilateral discussions

- Public consultations
- Public workshops
- Case by case ad-hoc users/experts groups
- **Stakeholder committee**

- ?
- **Stakeholder committee**

Drafting

ACER Review/
Comitology

Implementation

Monitoring/
Amendment

A perennial group to oversee network codes implementation

A platform to coordinate views, collect valuable comments

Rules to be defined to avoid “over-Comitology”

Composition based on expertise and efficiency

Transparency ensured with a single information library

Roles of these groups might evolve over time

Objectives of the network code on Emergency and Restoration (NC ER)

Providing Europe with a more competitive and secure business environment, improving life quality of European citizens

Preventing the deterioration or propagation of an incident

Avoiding Blackout States

Ensuring efficient and rapid restoration from emergency and blackout situations

Achieving harmonised and solid technical framework for system operations when in emergency and for system restoration

Defining rules to be followed in emergency situations

Making cross border assistance of supply a reality

Additional public consultation on NC ER



Several stakeholders expressed ideas for further elaboration of market interaction chapter in the 1st workshop on NC ER and offered help to elaborate the chapter.

The drafting team worked extensively together with this small group of stakeholders and further elaborated market interaction chapter.

Mini-consultation
starting in December

This new chapter will be
published together with LFDD
topic.

Additional workshop
on 8 January

on LFDD and market
interaction topics

Network Code on Emergency and Restoration

Major improvements

Laurent LAMY

What has been improved in the new draft NC ER?

- Stakeholder comments from Public workshop I integrated
- All chapters developed
 - ✓ **Restoration plan** and **Compliance and review** significantly extended
 - ✓ New chapter on **market interactions**
- Consistency of requirements ensured
- Redundant requirements with other NCs avoided



General Provisions

- More clarity on **Significant Grid Users** addressed
- **New definitions**
- Article on « **Coordination** » and « **Consultation** »
- Requirements for
« **Power systems operating in a Synchronous Area whose frequency is influenced in a predominant way by systems that are not bound by the EU legislation** »



System Defence Plan

- **‘Identified parties’** in the Plans
- Requirements on
 - **high Frequency control scheme**, based on Limited Frequency Sensitive Mode
 - **scheme against voltage collapse**, based on blocking of On Load Tap Changer
- **Set-point** instruction
- No more reference to Multi-party agreement

Restoration Plan

- **Re-energisation strategies:** bottom-up / top-down
- Criteria for the appointment and responsibilities of the **Frequency Leader**
- **Frequency management obligations** in case of Synchronous Area split or significant frequency deviation
- **Resynchronisation procedure**
- Criteria for the appointment and responsibilities of the **Resynchronisation Leader**

Market interactions - NEW

- **Clarity on interaction between system operation and market activities**
- **Link with requirements from other NCs**
- **Suspension** of market activities and TSO processes
- **Restoration** of market activities and TSO processes after technical restoration of the grid
- **Settlement principles**

Information exchange and communication: tools & facilities

- Clarity on the **information** to be exchanged
- Requirement on **communication channels** re-drafted
- Availability of **backup power** supply sources **for communication channels** tools & facilities



Testing and review

- Addresses reliability of **measures not used in ‘everyday operation’**, but required in extreme situations
- **Requirements for major capacities** used in Defence and Restoration Plans
- **Methodology** already described in connection codes
- **Minimum frequency of tests** in NC ER
- **Testing of procedures**
- **Periodic review of the Plans**

Additional public consultation on NC ER



Follow up actions after launch of public consultation:

- The drafting team worked extensively to provide a **more detailed framework on market related issues** considering views and proposals from several stakeholders.
- TSOs concluded the **review of the Low Frequency Demand Disconnection schemes in the different Synchronous Areas**; the relevant network code provisions will be drafted based on the review.

Next steps:

- **Mid December 2014: publication of the new text** (market related issues and LFDD)
- **Public consultation on the new text:** stakeholders invited to provide comments for a period of 4-5 weeks
- **8 January 2015: public workshop** on LFDD and market related issues

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Roundtables organisation

Laurent LAMY

Topics of Roundtables

System Defence Plan

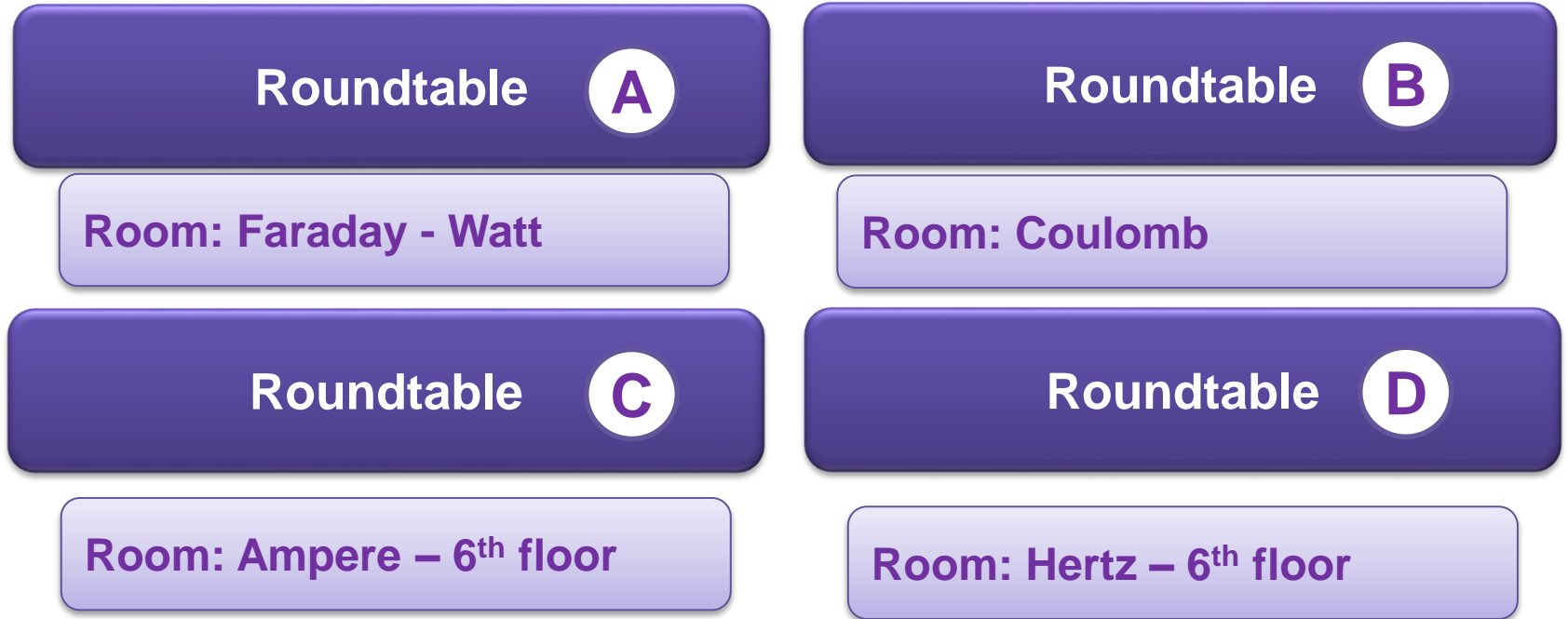
Restoration Plan

**Information-Communication
Testing-Review**

**Market Interactions
General provisions**

- 35 minutes per session

Roundtables organization



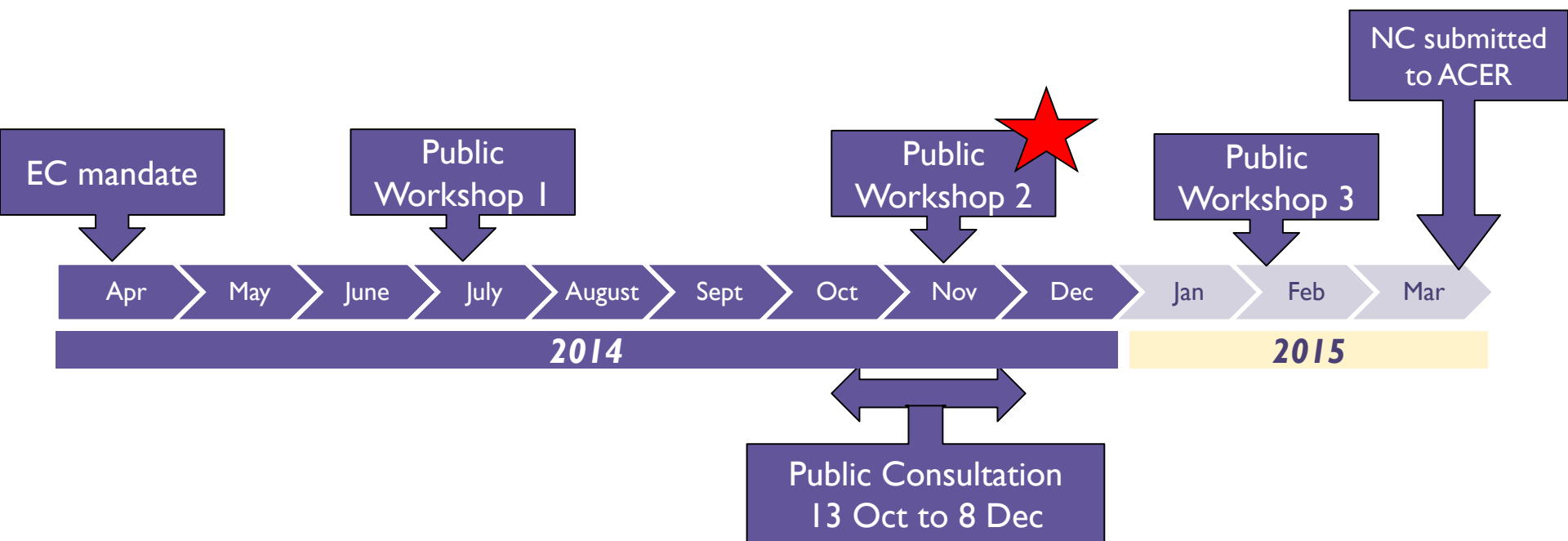
- 35 minutes per session allowing for maximum interaction

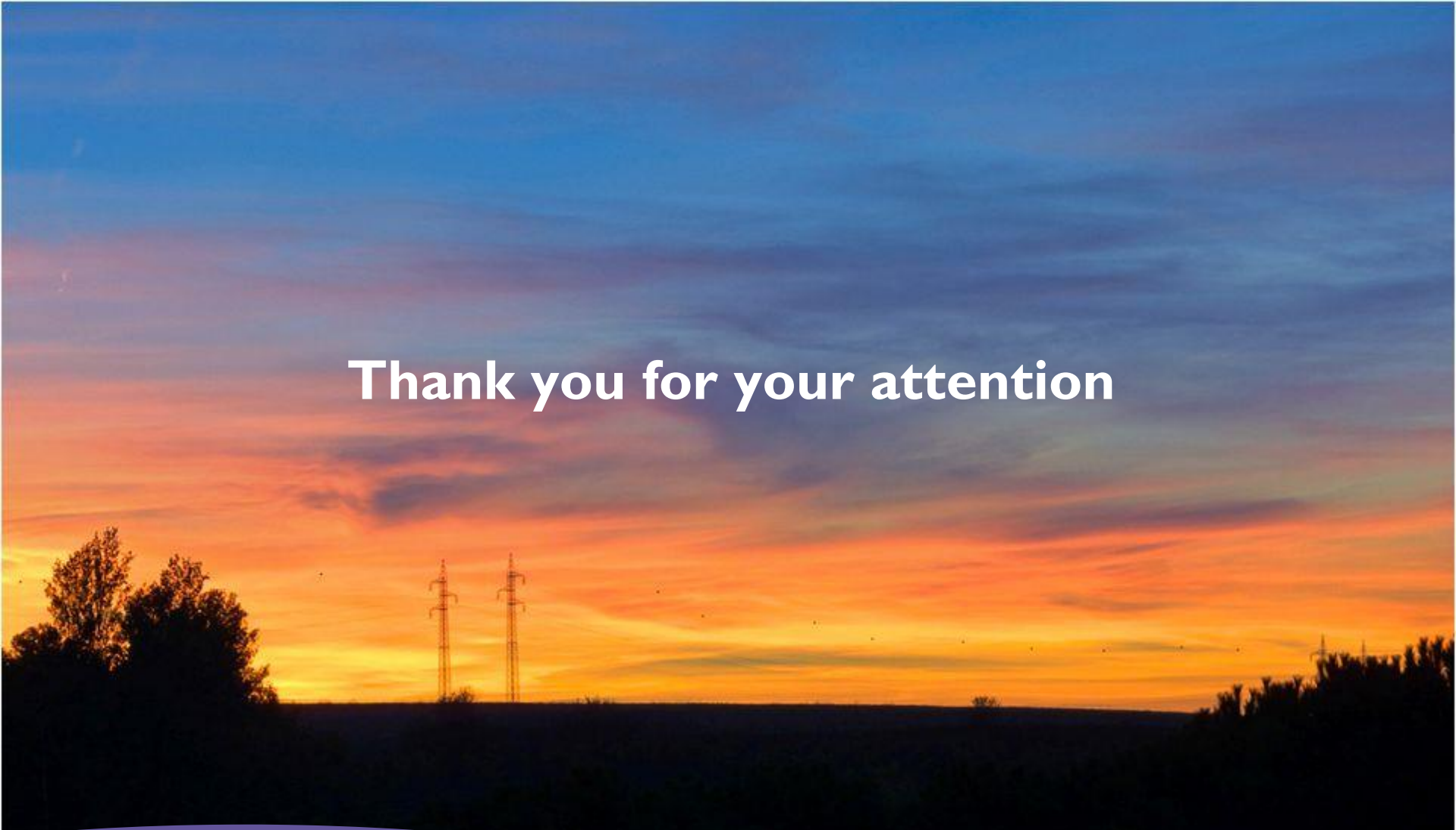
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Conclusion

Geoffrey Feasey

Network Code Timetable





Thank you for your attention