The UCTE Operation Handbook
- 2nd Progress Report -

11. Regulatory Forum 16./17. September 2004

Contents

- **Short review on the Operation Handbook**
  - Basic Principles and Structure
  - Interaction with National Grid Codes

- **Development Status today**
  - available Policies (http://www.ucte.org)
  - Consultation with Market Parties

- **Further Steps until End of 2004**

Operation Handbook – the beginning

- UCTE heritage:
  set of **technical rules** prepared within 50 years
  scattered in **many documents**

- The goal:
  one **comprehensive set** of TSOs standards,
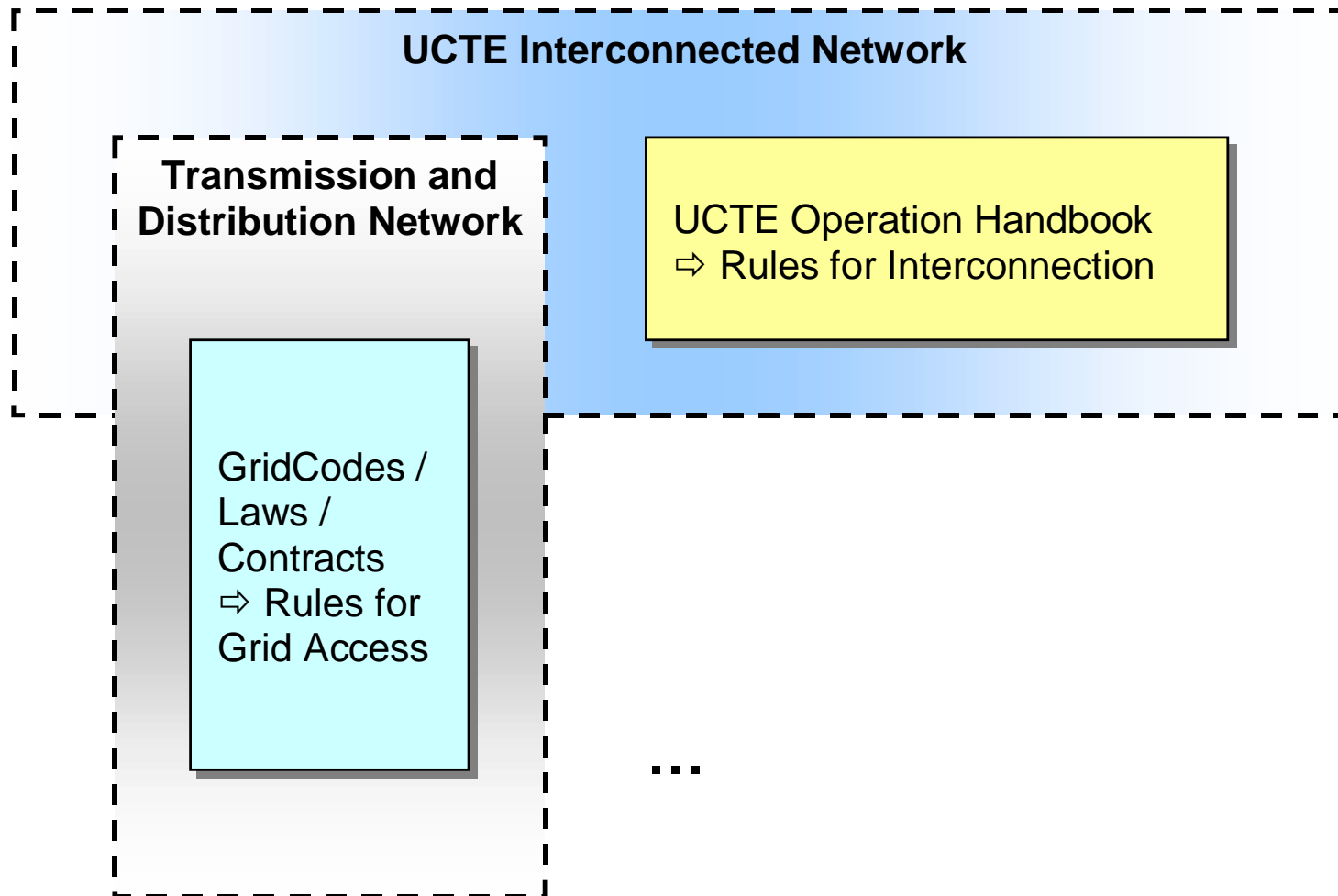 **up-to date and transparent**

➤ the Operation Handbook

UCTE's basic needs for the handbook

- Need for **clear and precise** technical rules
- **Comprehensive and structured** summary of all existing documents
- More **rapid establishment** and review of rules
- **Adaptation** to new regulatory and market environment
- Additional **measures and monitoring** criteria required
- **Binding** Security and Reliability Standards and **legal enforceability**

OpHB versus National Grid Codes

UCTE Interconnected Network

Transmission and Distribution Network

UCTE Operation Handbook
⇨ Rules for Interconnection

GridCodes /
Laws /
Contracts
⇨ Rules for
Grid Access

...

Setting up the work

- Definition of the Policies of the Handbook, appointing Drafting Teams

- The Drafting Teams work in close contact with the legal experts to take into account the legal issues

Operation Handbook Policies

1. **Load-Frequency Control and Performance**

2. **Scheduling and Accounting**

3. **Operational Security**

- -

4. **Coordinated Operational Planning**

5. **Emergency Procedures (Operations)**

6. **Communication Infrastructure**

7. **Data Exchanges**

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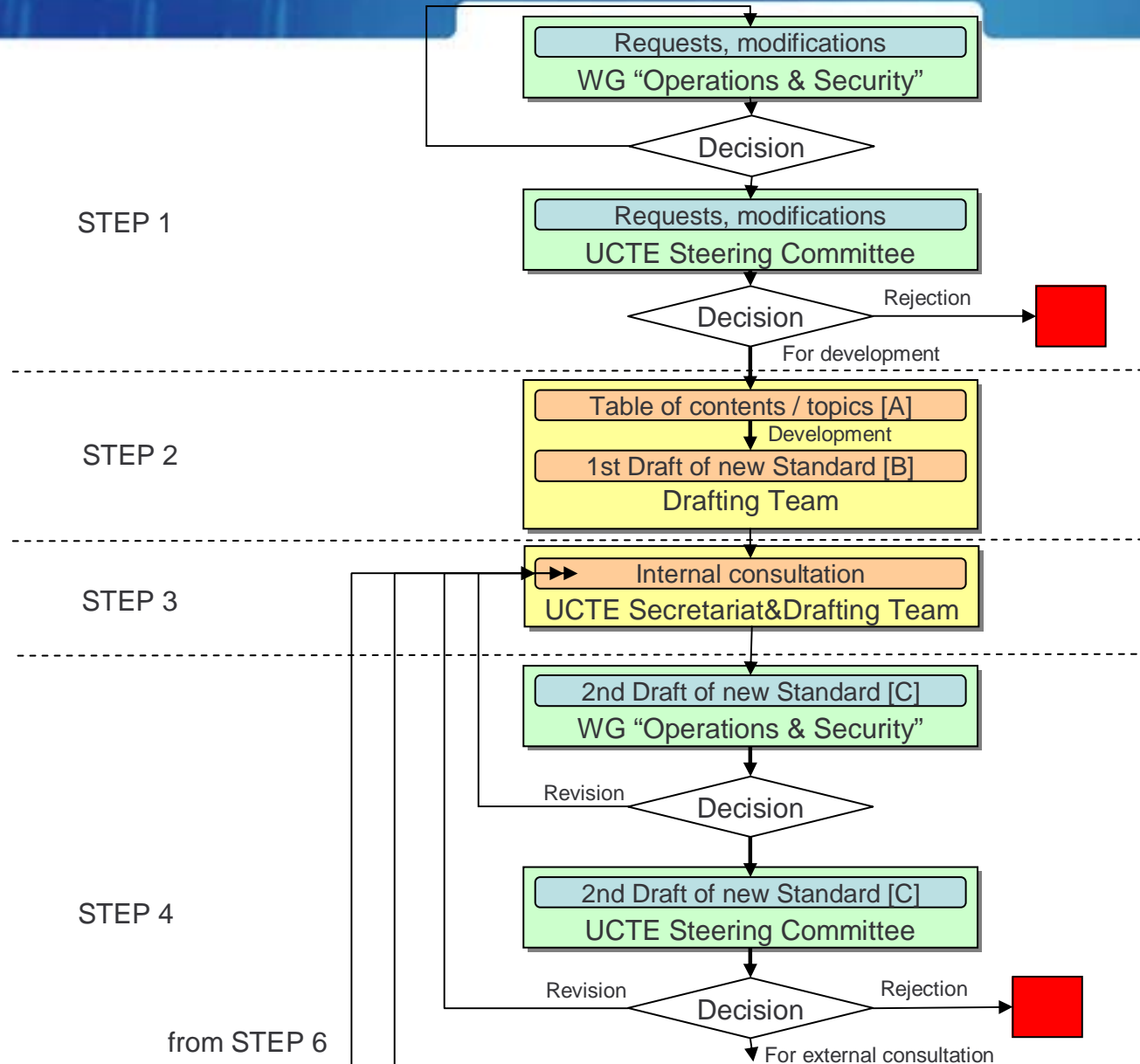8. **Operational Training**

Basic structure of the handbook

- **Introduction, Glossary**
- **Policies**   (*technical documents*)
  - Criteria   (*definitions and references*)
  - Requirements   (*prerequisites*)
  - Standards   (*rules*)
  - Guidelines   (*recommendations*)
  - Procedures   (*common practice*)
  - Measures   (*reaction on violation*)
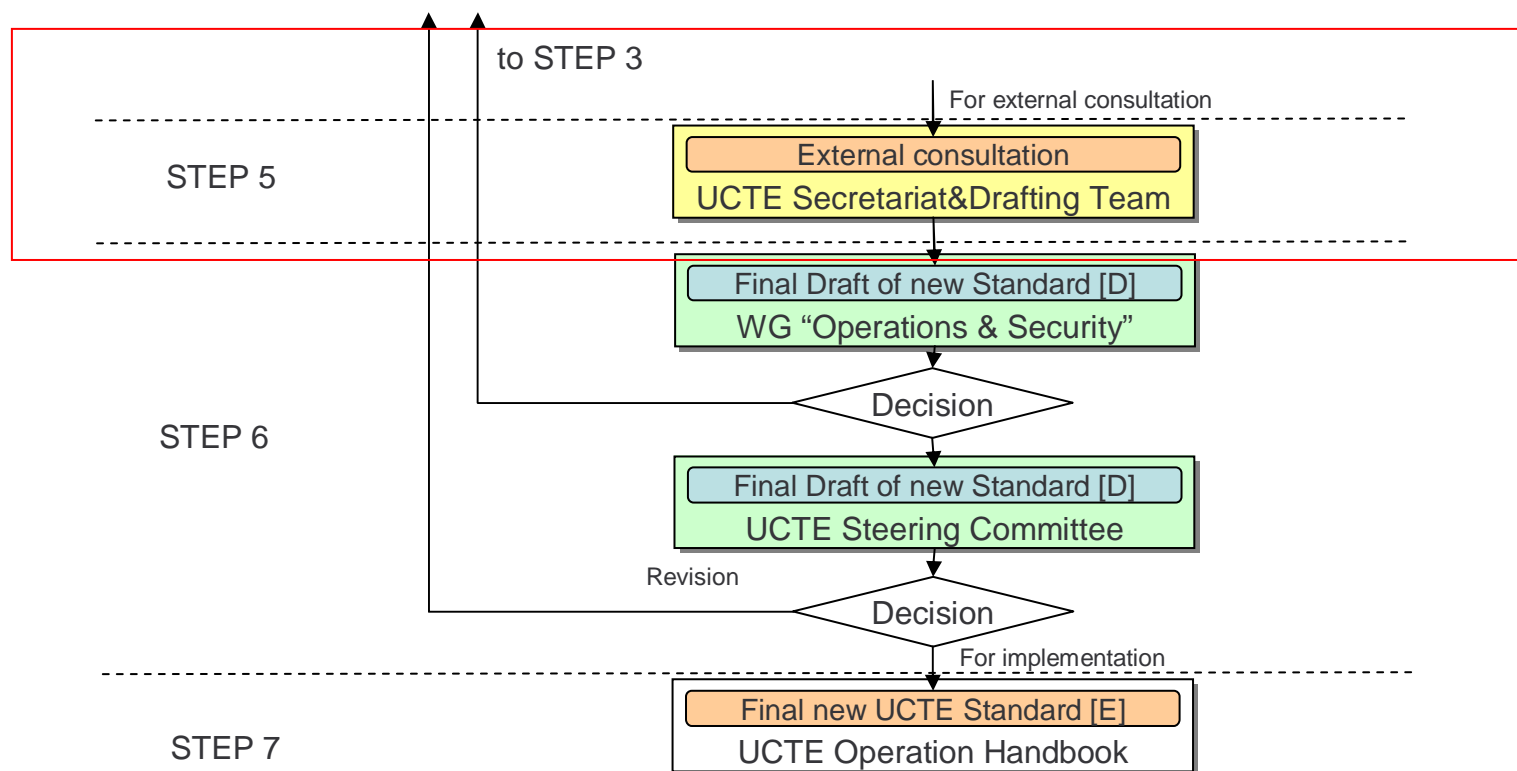- **Appendices**   (*complementary docs*)

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Procedure for handbook development

Requests, modifications
WG "Operations & Security"

Decision

STEP 1

Requests, modifications
UCTE Steering Committee

Decision — Rejection

For development

STEP 2

Table of contents / topics [A]

Development

1st Draft of new Standard [B]
Drafting Team

STEP 3

▶▶ Internal consultation
UCTE Secretariat&Drafting Team

2nd Draft of new Standard [C]
WG "Operations & Security"

Revision — Decision

STEP 4

2nd Draft of new Standard [C]
UCTE Steering Committee

Revision — Decision — Rejection

from STEP 6

For external consultation

UCTE

Procedure for handbook development

to STEP 3

For external consultation

STEP 5

| External consultation |
| UCTE Secretariat&Drafting Team |

| Final Draft of new Standard [D] |
| WG "Operations & Security" |

Decision

STEP 6

| Final Draft of new Standard [D] |
| UCTE Steering Committee |

Revision

Decision

For implementation

| Final new UCTE Standard [E] |
| UCTE Operation Handbook |

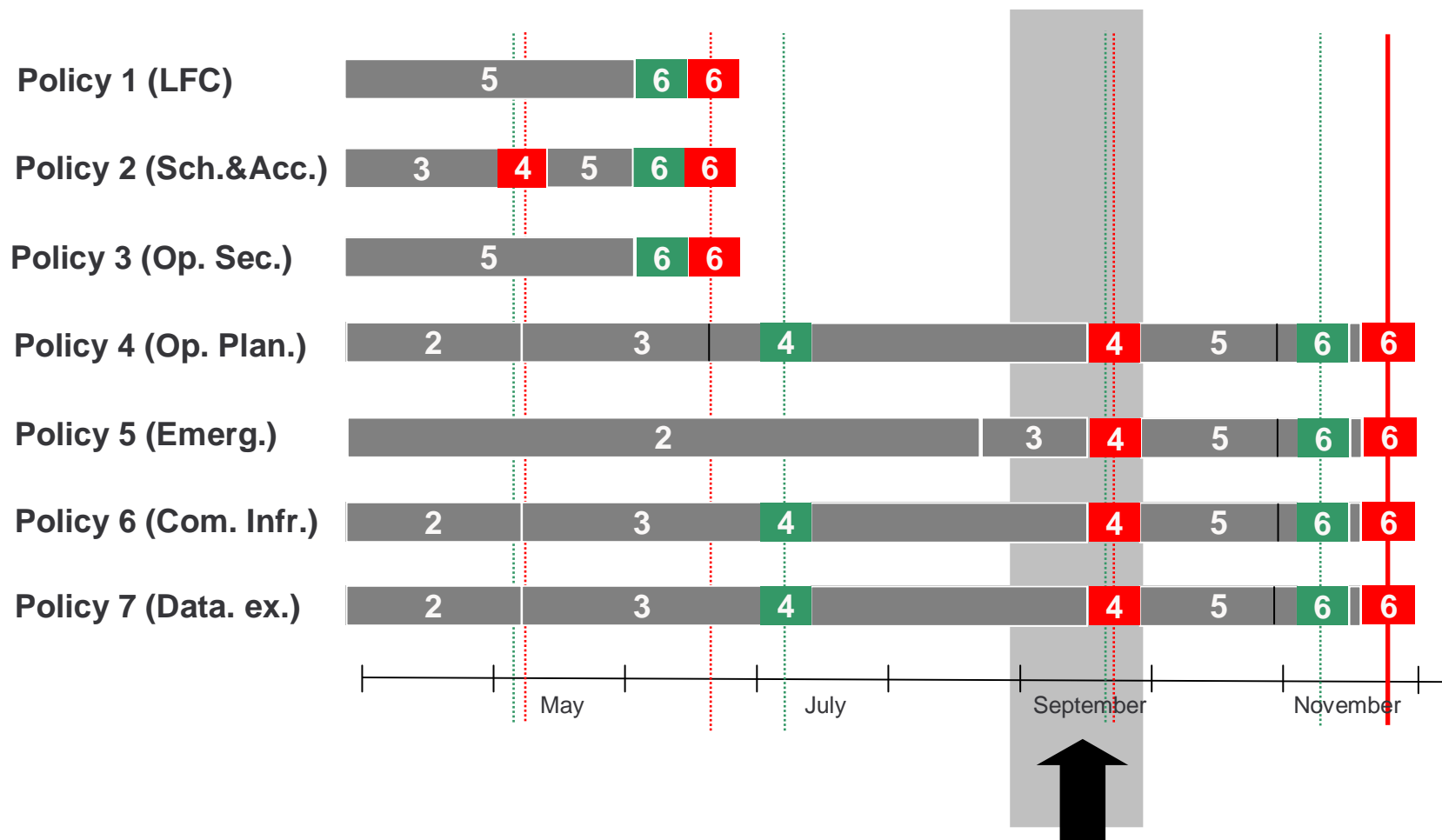**STEP 7**

Development Schedule

Table of Contents of Policy 3

- A. N-1 Security (operational planning and real time operation)

- B. Voltage control and reactive power management

- C. Network faults clearing and short circuit currents

- D. Stability

- E. Outages scheduling

- F. Information exchanges between TSOs for security of system operation

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Consultation Process is:

- **Public:** web-based consultation forum as an open tool for commenting

- **Transparent:** with full access for registered participants

- **Pro-active:** all major external stakeholders were invited to participate

- **Precise:** with deadlines for commenting (reminders)

- **User friendly:** all comments answered by Drafting Teams in co-operation with UCTE Secretariat

Conclusions (1)

- Operation Handbook is the cornerstone for the legal framework **ensuring the security** of the interconnected systems

- Operation Handbook provides market players and stakeholders with **transparent** inter-TSO rules

- Operation Handbook is the **compendium** of technical standards related to the UCTE interconnected system

Conclusions (2)

- Operation Handbook development is a permanent **improvement** process

- Operation Handbook is **public**

- Together with a MLA and CMEP could be considered as a **model** towards EU "common layer" of **technical standards**