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

GridCodes / Laws / Contracts ⇒ Rules for Grid Access

UCTE Operation Handbook ⇒ Rules for Interconnection
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
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)
Procedure for handbook development

STEP 1
- Requests, modifications
  - WG “Operations & Security”
  - Decision
  - 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
  - For external consultation
  - from STEP 6
Procedure for handbook development

STEP 5
- External consultation
  - UCTE Secretariat & Drafting Team

STEP 6
- Final Draft of new Standard [D]
  - WG "Operations & Security"

- Decision

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

STEP 7
- Final new UCTE Standard [E]
  - UCTE Operation Handbook

For external consultation
For implementation

Procedure for handbook development

Development Schedule

Policy 1 (LFC)
Policy 2 (Sch.&Acc.)
Policy 3 (Op. Sec.)
Policy 4 (Op. Plan.)
Policy 5 (Emerg.)
Policy 6 (Com. Infr.)
Policy 7 (Data. ex.)

May
July
September
November
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
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**