

**INTERNATIONAL ELECTROTECHNICAL COMMISSION****TC57: POWER SYSTEM CONTROL AND ASSOCIATED COMMUNICATIONS****IEC 61850 – COMMUNICATION NETWORKS AND SYSTEMS FOR POWER UTILITY AUTOMATION****Release plan for IEC 61850**

Items indicated with (\*) are the driving factors for the release

**Edition 2**

*CDV 2008 / FDIS 2009*

## TISSUES

- new TISSUES are collected until CDV stage)

## Basic model extensions (\*)

- Statistical / Historical
- Common usable elements from Hydro and Wind standards

## Domain model extensions (\*)

- Power Quality Models
- Monitoring extensions from IEC 62271-003

## Impact of SS-SS communication

## Testing

- Client conformance testing
- Tool conformance testing

**Edition 3**

*CD ???? /*

## TISSUES

## Basic model extensions

- Description of programmable scheme logic (in SCL) (over communications)
- Network and system management
- Redundancy
- Security aspects from IEC 62351
- Security – Role based access
- Accurate time synchronisation according to IEEE 1588
- Download and activation of configuration files

## Domain model extensions

- Common usable elements from DER standard
- Low voltage applications (German Report)
- Eliminate IED specific settings

## Impact of SS-CC communication

## Testing

- Testing scenarios
- System testing?