IWXXM implementation plan

IWXXM workshop Paris 31/5 – 2/6 2016

Wim Demol
Belgocontrol - Brussels RODB
EUR Data Management Group

Belgocontrol

National OPMET Center

- COM Switch:
  - AMHS MTA with extended services
  - P1 connection with associated ROC

- MET Switch:
  - AMHS User Agent with extended services
  - P3 connection to MTA
  - (data produced in TAC?): TAC→IWXXM translation
  - IWXXM data aggregation (bulletins)
  - Compression/decompression
  - Message validation (WMO-tool?)
  - IWXXM message switching (file switching)
  - IWXXM Visualisation (e.g. via XSLT)

National OPMET Center

- Associated ROC not yet ready
  - Bi-lateral testing if possible

- Associated ROC IWXXM ready
  - Validation phase NOC-ROC?
  - Register new OPMET data → start from OPMET catalogue for international distribution
  - Start

ROC/IROG

- COM Switch:
  - AMHS MTA with extended services
  - P1 connection with other ROCs/IROGs

- MET Switch:
  - AMHS User Agent with extended services
  - P3 connection to MTA
  - TAC→IWXXM translation (SLA with NOC?)
  - IWXXM data aggregation (bulletins)
  - Compression/decompression
  - Message validation
  - IWXXM message switching (file switching)
  - IWXXM Visualisation (e.g. via XSLT)

- General: provide IWXXM implementation aid to NOCs (bi-lateral tests,...)

RODBs

- NOC requirements
- Decoding/storage of IWXXM data
- Implementation of IWXXM RQX-request/reply procedure in parallel with TAC RQM-request/reply

General & issues to consider

- OPMET catalogue & update procedure
- IWXXM version to implement?
- Approval National Authority
- Validation/testing of all functionalities
  - → development of standardised test scenario's
  - → best practices
- Virus checking for FTBP
- Extended data volumes & line capacities
- Training
- Use of directory services?

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