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Steps on IWXXM Implementation

EUR Data Management Group

ROC/IWXXM Implementation
Workshop, Cairo/12-13 Nov 2017





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IWXXM implementation steps

- Aeronautical MET Provider to NOC

- Data production: IWXXM (recommended) or (initially) TAC
- Connection to NOC MET Switch
 - Any suitable connection (e.g. FTP, AMHS P3)





IWXXM implementation steps

- **NOC (MET Switch)**
 - Any suitable connection to COM Centre
 - P3 AMHS connection with extended services to Message Transfer Agent - MTA highly recommended
 - Should do the following (otherwise these functions could be done by a ROC)
 - TAC to IWXXM translation if IWXXM data not produced at origin
 - IWXXM data aggregation (bulletins)
 - Compression/decompression
 - Message validation
 - IWXXM data routing
 - Register new OPMET data





IWXXM implementation steps

- National AFS COM Centre (COM Switch)
 - Extended AMHS connection with COM Centre of associated ROC (in many circumstances, this will be an indirect path)
 - International distribution:
 - Associated ROC IWXXM ready?
 - Validation phase NOC-ROC?
 - Start





IWXXM implementation steps

- ROC/IROG

- Same requirements as NOC
- Additionally:
 - MET Switch:
 - » TAC to IWXXM translation (LoA with NOC)
 - » Off-line validation & statistics (to be specified)
 - Provide IWXXM implementation aid to NOCs (bi-lateral tests, ...)
 - IWXXM data routing





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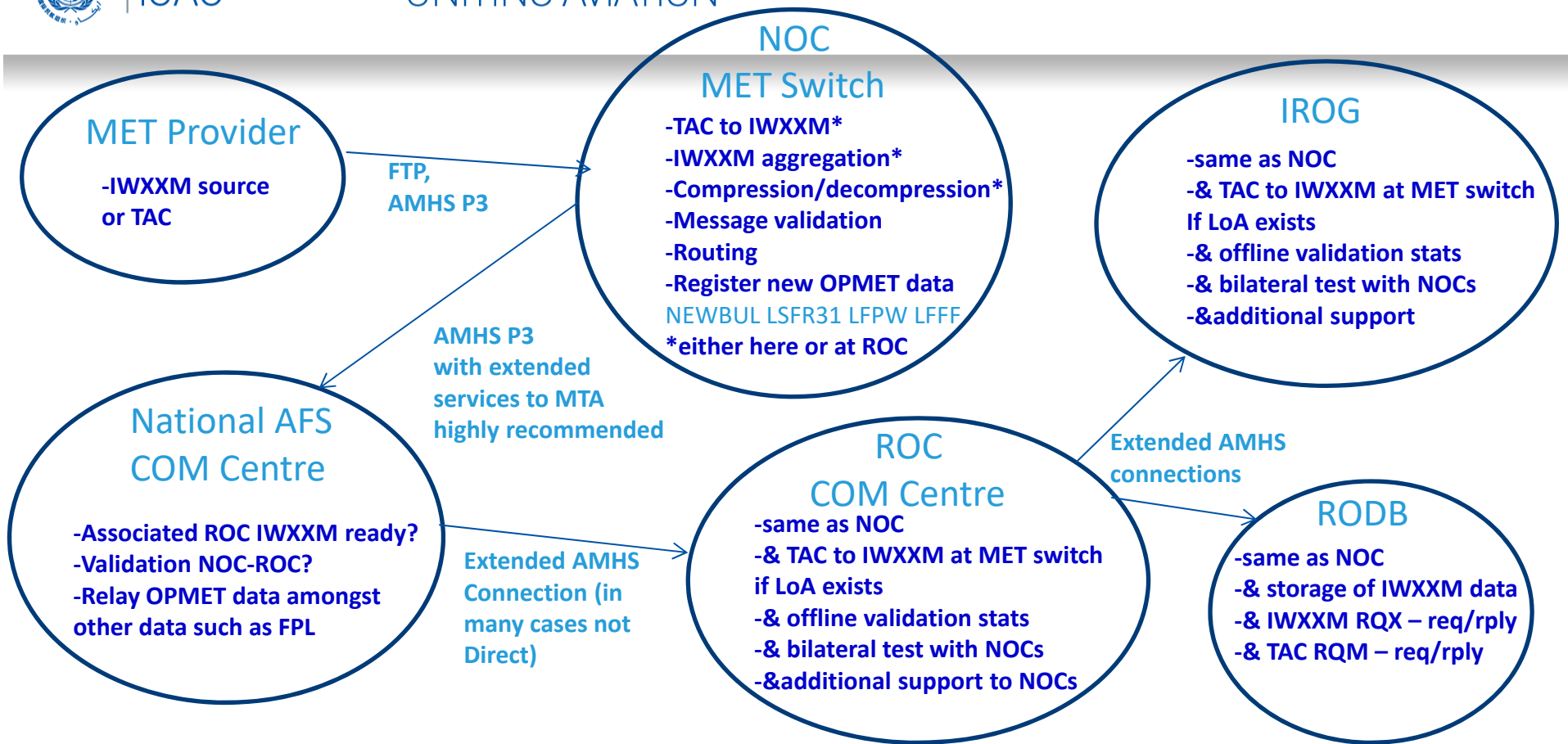
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IWXXM implementation steps

- RODBs

- Same requirements as NOC
- Additionally:
 - Storage of IWXXM data
 - Implementation of IWXXM RQX-request/reply procedure in parallel with TAC RQM-request/reply

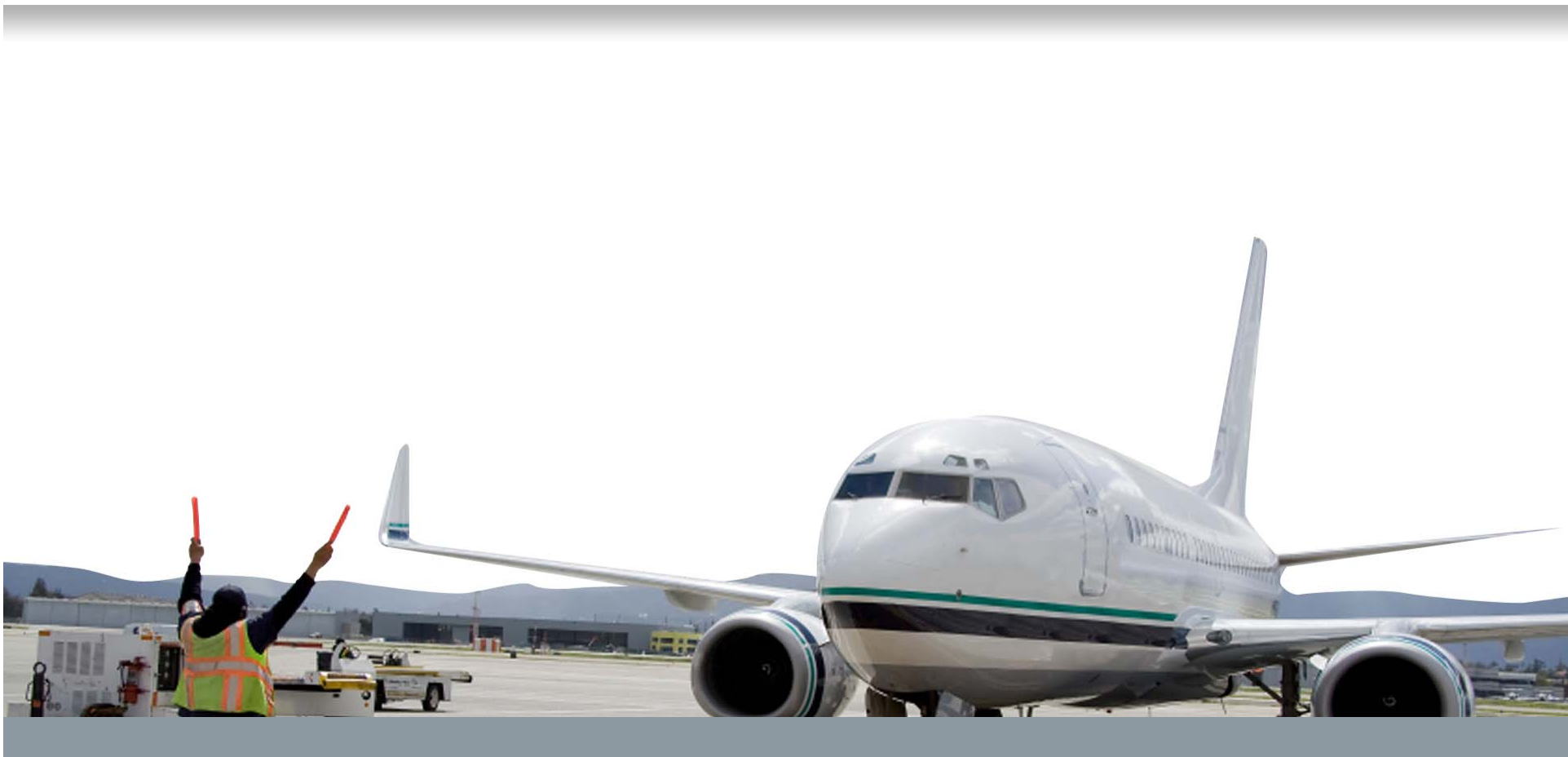






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