



**Network Manager**  
nominated by  
the European Commission



# **Information Day for ANSPs**

## **25 October 2018**

# **POLFRA - Coordination with Network Manager**



# POLFRA - NMD Cooperation Overview

| Ref | Topic  | Description  | Rationale   | Responsible/ Involved   | Deadline  |
|-----|--|--|---|---|---|
| 1   | Local FRA CONOPS discussed with NM to ensure harmonised network FRA implementation | <ul style="list-style-type: none"> <li>• General scope</li> <li>• 4D description of the FRA volume</li> <li>• Cross-Border impacts</li> <li>• Enablers and constraints</li> <li>• Impact on ATM (ATS/ASM/ATFCM) Procedures</li> <li>• Impact on flight planning procedures</li> <li>• Impact on Publication</li> <li>• Impact on local/AOs/CFSPs/NM systems</li> <li>• Identification of benefits</li> </ul>   | To ensure network harmonised FRA implementation   | ANSP(s) / NM<br><br>✓ <b>JUL 2016</b>                               | T0-(24-30) months depending on the expected impact of the change; input concerning the implementation plan from ERNIP Part 2. |
| 2   | Airspace Design  | <ul style="list-style-type: none"> <li>• Establish the airspace volume (horizontal and vertical limits)</li> <li>• Horizontal connectivity E/X points</li> <li>• Vertical connectivity A/D points</li> <li>• Connecting routes</li> <li>• RAD restrictions</li> <li>• Use of geographical coordinates as Intermediate (I) points</li> <li>• Usage of Intermediate (I) points</li> <li>• Airspace reservations</li> <li>• Flight Plan Buffer Zones (FBZs)</li> <li>• ATS delegation</li> <li>• Sector design</li> </ul> | To ensure interconnectivity and interoperability with adjacent horizontal and vertical airspace | ANSP(s) /NM/Military<br><br>✓ <b>2017</b>                           | T0 -- 12 months   |
| 3   | Airspace Management Process  | <ul style="list-style-type: none"> <li>• Priority Rules</li> <li>• CDM requirements</li> <li>• Utilisation of AUP/UUP</li> <li>• Information Sharing</li> <li>• Rerouting</li> <li>• OAT Handling</li> </ul>   | To ensure seamless network application of ASM/FUA procedures                                    | ANSP(s)/NM/<br>Military<br><br><b>OCT 2016</b><br>✓ <b>OCT 2018</b> | T0 -- 12 months   |
| 4   | ATC Procedures and Letters of Agreement  | <ul style="list-style-type: none"> <li>• Definition of all required procedures internally and with neighbouring ATC units</li> </ul>   | To ensure appropriate interconnectivity   | ANSPs   | T0 -- 6 months  |
| 5   | Air traffic flow and capacity management   | <ul style="list-style-type: none"> <li>• Sector Configuration Management</li> <li>• Sector and Traffic Volumes (Capacities / Monitoring Values)</li> <li>• Re-routing Proposals</li> <li>• ATFCM Procedures</li> </ul>   | To ensure seamless network application of ATFCM procedures                                      | ANSP(s)/NM<br><br>✓ <b>2017</b>                                     | T0 -- 6 months  |



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| 6   | CAA/NSA<br>Involvement                    | <ul style="list-style-type: none"> <li>• Consultation with CAA/NSA/Military</li> <li>• Safety case</li> <li>• Mitigating actions (if required)</li> </ul> | To ensure safe implementation and fulfilment of all regulatory requirements | ANSPs/CAA/<br>NSAs/Military  | T0 -- 9 months            |
|     |   | <ul style="list-style-type: none"> <li>• Prepare and send to ICAO PfA if implementation over High Seas</li> <li>• Approval by CAA/NSA</li> </ul>          |   | ANSPs/CAA/<br>NSAs/ICAO  | T0 -- 6 months            |
| 7   | Awareness and<br>consultation             | • CONOPS  | To ensure network harmonised FRA implementation                             | ANSPs/NM through the NM<br>CDM process to all operational<br>stakeholders, including NSAs<br><br><b>✓ RNDSG and<br/>FRA WS<br/>Presentations</b> | T0 -- 24 months           |
|     |   | • Airspace design and airspace management   | To ensure network harmonised FRA implementation                             |  | T0 - (12 - 18) months     |
|     |   | • ATC Procedures and Letters of Agreement   | To ensure network harmonised FRA implementation                             |  | T0 - (6 - 12) months      |
|     |   | • Air traffic flow and capacity management  | To ensure network harmonised FRA implementation                             |  | T0 - (6 - 12) months      |
| 8   | AIS/RAD Publication<br><br><b>ONGOING</b> | • AIC Publication   | To ensure network harmonised FRA implementation                             | ANSPs/NM through the NOP Portal  | T0 - (6 - 12) months      |
|     |   | • AIP Publication   |   | ANSPs  | T0 - 2 AIRAC cycles (min) |
|     |   | • RAD   |   | ANSPs/NM   | T0 - 2 AIRAC cycles       |
| 9   | NM Integration/<br>Pre-validation Check   | As described in ERNIP 6.5.6.1   | To ensure network harmonised FRA implementation                             | ANSPs/NM/<br><br><b>JUN and SEP 2018</b><br><br>AOs/CFSPs  | T0 - 6 months             |
| 10  | Implementation                            | • FRA Project Implementation  |   | ANSPs/NM/<br>AOs/CFSPs/<br>Military  | T0                        |
| 11  | POST implementation                       | • Lessons Learnt  | To ensure network harmonised FRA implementation                             | ANSPs/NM/<br>AOs/CFSPs/<br>Military  | T0 + (1 -2) AIRAC cycles  |
| 12  | Fine-tuning of<br>implementation          | • Implementation of further changes depending on lessons learnt   | To ensure network harmonised FRA implementation                             | ANSPs/NM/<br>AOs/CFSPs/<br>Military  | T0 ( 1 - 6) AIRAC cycles  |



