



Network Manager  
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# Operating Procedures for Dynamic Data (OPADD)

Workshop for the development of Operational skills for the transition  
from AIS to AIM for Civil Aviation Authorities (CAA) and Air Navigation  
Service Providers

2 – 6 July 2018

Nairobi

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# OPADD

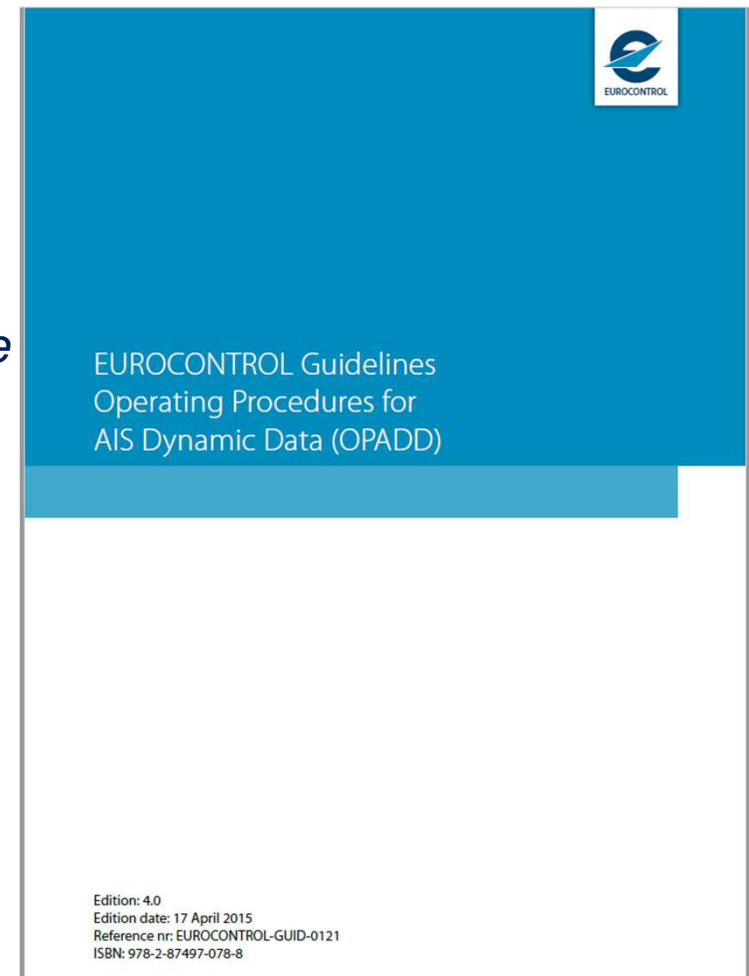
## *Objectives / purposes*

- EUROCONTROL initiative
- Guidelines for the handling of dynamic data (NOTAM, SNOWTAM, etc.)
  - *NOTAM: Defined as a notice containing information concerning the establishment, condition or change in any aeronautical facility, service, procedure or hazard.*
  - *Notify information of:*
    - *Temporary nature and of short duration, or*
    - *Temporary changes of long duration are made at short notice, or*
    - *When operationally significant information is permanently changed*
- Complement to ICAO Annex 15 and service manual Doc 8126
- Enhance the harmonisation of AIS working practices
- Allow increase of automation
- Support operational improvements to the overall ATM system

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## *Objectives / purposes*

- Content:
  - *NOTAM Creation*
  - *NOTAM Processing*
  - *Database completeness and coherence messages*
  - *Procedure for SNOWTAM, ASHTAM*
  - *Specific European agreements*
  - *Guidelines for the creation of PIB*



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## *Objectives / purposes*

- Provide enhanced explanations to better take into account the main deficiencies reported by users on PIB content
- Upon NOTAM creation and PIB production, awareness should be given to issues that have an impact on PIB readability and understanding:
  - Reduction of irrelevant NOTAM:
    - Publish NOTAM without allocating proper qualifiers
    - Publish NOTAM rather taking the default values given without taking into account the actual situation as stated in Item E).
    - Publish NOTAM with Information NOT subject to NOTAM creation
  - Use of abbreviations in NOTAM
  - NOTAM are difficult to read and to understand:
    - Users' preference for a simpler NOTAM text in item E) and with a harmonised structure.
    - Text not clear without reference to the AIP; essential information missing (e.g. which specific procedure is affected)

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## *Basic rules for NOTAM creation*

- ICAO NOTAM format shall be strictly adhered to the allowed NOTAM types:
  - NOTAMN -- *New*
  - NOTAMR -- *Replace*
  - NOTAMC -- *Cancel*
- NOTAM intended for international distribution shall include English text for those parts expressed in plain language.
- A NOTAM shall deal only with one subject and one condition of that subject.
- Erroneous NOTAM shall be replaced; or they may be cancelled and a new NOTAM issued. No 'correct version' NOTAM shall be issued.
- Renumbering of existing NOTAM (containing identical information, but with a new number) is not allowed.

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## *Basic rules for NOTAM creation*

- NOTAM shall be qualified according to the NOTAM Selection Criteria (NSC), as published in ICAO Doc 8126
- All published times shall be in UTC
- If Item C) contains 'EST', the NOTAM requires the later issue of a NOTAMR or NOTAMC.
- NOTAM should not remain in force for more than 3 months
  - If the circumstances to be notified are expected to exceed 3 months, an AIP Supplement must be published.
  - When exceeding the 3 month period, a new or replacement NOTAM may be issued but only for a further period of a maximum of one to two months.
- Item C) shall contain 'PERM' solely for NOTAM information that will be incorporated in the AIP
  - Permanent information should be incorporated in the AIP within 3 months after NOTAM publication.
  - These NOTAM shall be cancelled when the AIP is issued

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## *Basic rules for NOTAM creation*

- NOTAMR and NOTAMC:
  - Are issued in the same series as the NOTAM to be replaced or cancelled
  - Respectively replace and cancel only one NOTAMN or NOTAMR
  - Deal with precisely the same subject as the NOTAM to be replaced or cancelled
    - The 2nd and 3rd letters of the NOTAM Code in Item Q) shall be the same as those in the NOTAM to be replaced or cancelled.
  - Have the same Item A) as the NOTAM to be replaced or cancelled
  - The date-time group in Item B) of a NOTAMR or NOTAMC shall be the actual date and time of creation of that NOTAMR or NOTAMC
    - NOTAMR and NOTAMC shall take effect immediately and no future start of coming into force is permitted
- NOTAMR:
  - NOTAMR are Replacement NOTAM
  - NOTAM which are to become invalid before their given End of Validity, or did not have a defined End of Validity (i.e. have 'EST' or 'PERM' in Item C) may be replaced, provided they are 'in force' at the time of replacement

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## *Basic rules for NOTAM creation*

- NOTAMC:
  - NOTAMC are Cancellation NOTAM
  - NOTAM which are to become invalid before their given End of Validity, or did not have a defined End of Validity (i.e. have 'EST' or 'PERM' in Item C) may be cancelled at any time.
  - NOTAMC shall be published whenever NOTAM are incorporated in an AIP AMDT
  - Qualifier 'NOTAM Code' shall be as follows:
    - Subject: 2nd and 3rd letters shall be identical to the original NOTAM
    - Condition: permitted 4th and 5th letters are as follows:
      - Q23AK = RESUMED NORMAL OPS
      - Q23AL = OPERATIVE (or RE-OPERATIVE) SUBJECT PREVIOUS PUBLISHED LIMITATIONS /CONDITION
      - Q23AO = OPERATIONAL
      - Q23CC = COMPLETED
      - Q23CN = CANCELLED
      - Q23HV = WORK COMPLETED
      - Q23XX = OTHER

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*Necessary data items for each NOTAM type and checklist*

	NOTAMN	NOTAMR	NOTAMC	Checklist
<b>Series/Nr/Type</b>	Yes	Yes	Yes	Yes
<b>Ref to Series/Nr</b>	No	Yes	Yes	Yes
<b>FIR</b>	Yes	Yes	Yes	Yes
<b>NOTAM Code</b>	Yes	Yes	Yes	Yes
<b>'Traffic'</b>	Yes	Yes	Yes	Yes
<b>'Purpose'</b>	Yes	Yes	Yes	Yes
<b>'Scope'</b>	Yes	Yes	Yes	Yes
<b>Lower/Upper</b>	Yes	Yes	Yes	Yes
<b>Lat/Long/Radius</b>	Yes	Yes	Yes	Yes
<b>Item A)</b>	Yes	Yes	Yes	Yes
<b>Item B)</b>	Yes	Yes	Yes	Yes
<b>Item C)</b>	Yes	Yes	No	Yes
<b>Item D)</b>	Optional	Optional	No	No
<b>Item E)</b>	Yes	Yes	Yes	Yes
<b>Items F) &amp; G)</b>	Optional	Optional	No	No

Yes = Entry in Item is compulsory.  
 No = Entry in Item is not allowed.  
 Optional = Entry depending on the NOTAM contents.

# Review AFI ESAF NOTAM

- Top error list
  - Qline qcode
  - Qline center point-radius
  - Item E Translation
  - Item D
  - Checklist
  - Item E completeness
  - NOTAM C (rules Qline)
  - NOTAM R (rules Qline)
  - Inconsistency between Item F and G and Qline

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## *NOTAM processing*

- All States are not adhering completely to ICAO standards and Recommended Practices and guidelines as OPADD
- As a result, differences and discrepancies exist internationally in published NOTAM
- *Problems:*
  - Potential risk of inconsistent, inaccurate or even false PIB output
- *Solution:*
  - Processing of all received NOTAM assessing their conformity to ICAO format and to the procedures laid in OPADD (Chapter 2) prior storage in automated NOTAM processing system
  - As a result, provision of correct and harmonised PIB output for the benefit of the end user

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## Database completeness and coherence messages

- The application of 'query messages' is required to ensure the database completeness and coherence
- Query requests and replies are identified by means of 3-letter identifiers
  - RQN: Request for NOTAM
  - RQO: Request for 'original version' NOTAM
  - RQL: Request for an intermediate Checklist (list of valid NOTAM)
  - RQR: Reply to above requests
- Request shall include the 4-letter indicator of the Publishing NOF
- E.g.:
  - RQN EPWW A1253/14 A1280/14
  - RQN LCNC A0199/14-A0210/14
  - RQL EGGN B G
- A single 'RQN' or 'RQO' or 'RQL' containing multiple requests will result in multiple reply (RQR) messages

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## *Additional topics*

- Content:
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  - *NOTAM Processing*
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