



**EASA**  
European Aviation Safety Agency

# RMT.0464

## ATS Requirements in NPA 2016-09

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AWO Consultation Workshop  
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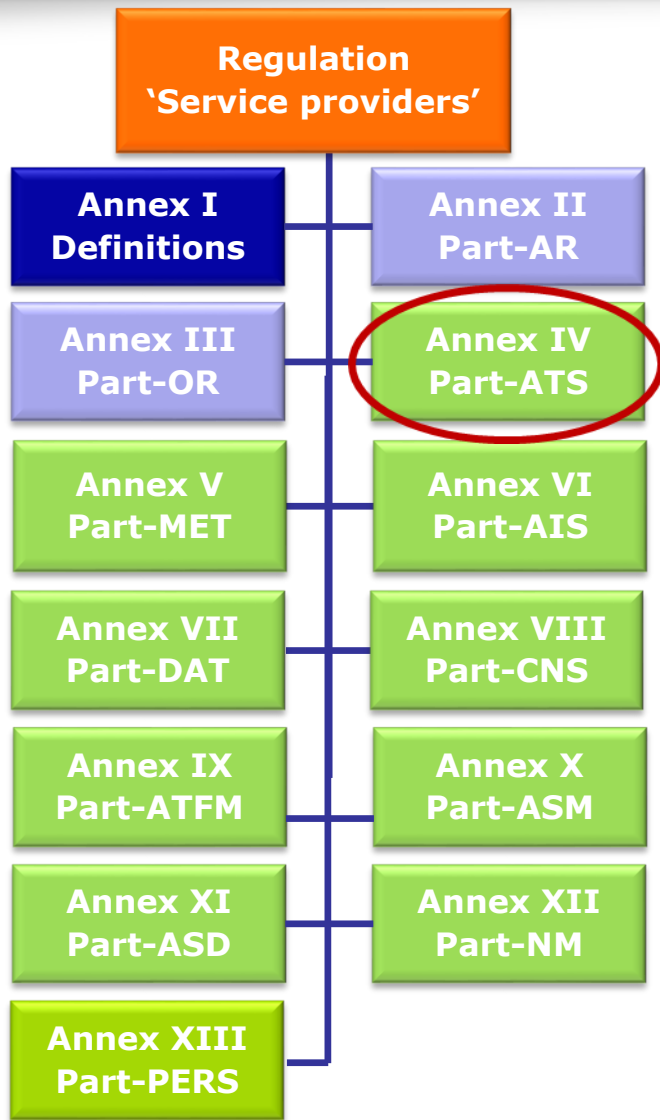


# ATS provision in EU legislation - Today

- EU Member States obligations towards the Chicago Convention
- SES Legislation
- Reg.216/2008, the EASA Basic Regulation
- Regulation 1035/2011 Annex II Chapter 4: working methods and operating procedures compliant with:
  - Reg. 923/2012 (SERA)
  - Annex 10 Volume II
  - Annex 11 – No reference to PANS ATM
- Regulation 2016/1377 Annex IV Subpart B: reference to ICAO and SERA maintained
- **RMT.0464** to implement the Essential Requirements in Annex Vb 2. (c) of the EASA Basic Regulation and replace reference to ICAO with a comprehensive set of requirements (IR, AMC,GM)



# Regulation 2016/1377 - Rule Structure



**Part-AR:** Authority requirements

**Part-OR:** General organisation requirements

## Parts 'xxx' – Technical requirements

- ▶ **Part-ATS:** Air Traffic Services
- ▶ **Part-MET:** Meteorological services
- ▶ **Part-AIS:** Aeronautical Information Services
- ▶ **Part-DAT:** Data providers
- ▶ **Part-CNS:** Communication, Navigation, Surveillance
- ▶ **Part-ATFM:** Air Traffic Flow Management
- ▶ **Part-ASM:** Airspace Management
- ▶ **Part-ASD:** Airspace Design
- ▶ **Part-NM:** Network Manager
- ▶ **Part-PERS:** Personnel requirements



# ATS requirements - RMT.0464

## ➤ **RMT.0464 Objectives:**

- to introduce a complete set of measures implementing the ERs in BR Annex Vb 2.(c) concerning the provision of ATS;
- to establish common EU ATS requirements by transposing the relevant ICAO provisions, thus contributing to their harmonised implementation, as a basis for EU aviation law;
- to harmonise ATS provisions based on mandatory (IRs) and flexible (AMC and/or GM) requirements; and
- to establish proportionate and cost-efficient rules.



# RMG.0464 set up and activities

- RMG.0464 composition established based on nominations received from ATM/ANS advisory bodies
- Includes representatives from:
  - National Aviation Authorities (2)
  - ANSPs (2)
  - CANSO (3)
  - Unions (2)
  - EUROCONTROL (2)
  - EASA (2)
- RMG.0464 held 11 meetings, from September 2014 to February 2016
- Work during meetings and via correspondence
- Bilateral with EUROCONTROL on specific subjects
- Thematic meeting on AFIS on 17.03.16



# RMT.0464 tasks

- Analysis and, where appropriate, transposition of provisions in ICAO Annex 10 Volume II, Annex 11, Docs 4444, 7030 EUR, 9426
- Analysis of differences filed by MS to Annex 11 and identification of commonalities to be introduced in the EU law
- Identification of gaps and, where necessary, development of new provisions complementing those transposed from ICAO
- Establishing correlation between ICAO provisions and the corresponding EU provisions
- Ensuring consistency with EU legislation (e.g. SERA)



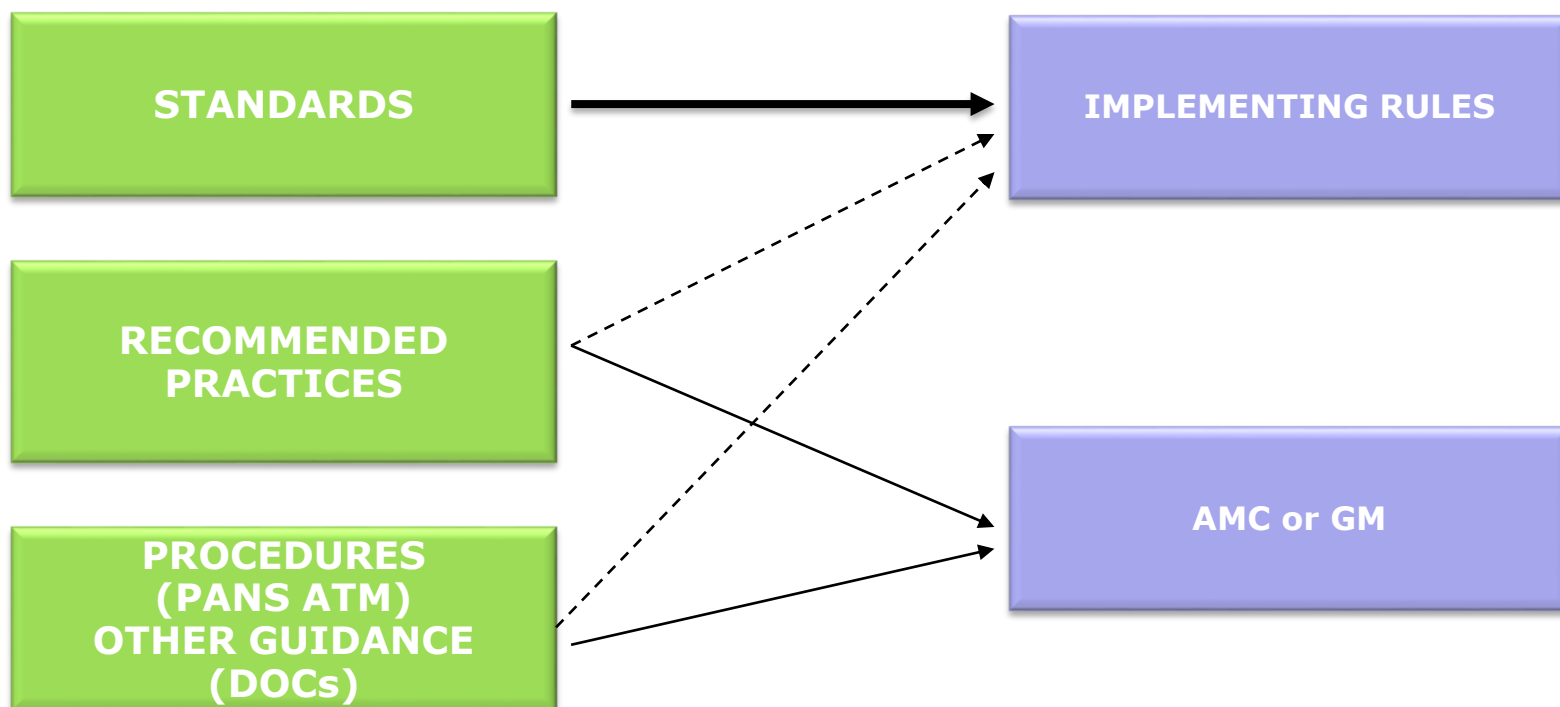
# Consistency with other EU legislation

- Proposed measures developed consistently with:
  - SES Regulations
  - EASA BR, Regulation 2016/1377, other EASA Implementing Rules
  - SERA Regulation 923/2012 & 2016/1185 – (specific close coordination)
  - Upcoming amendments to ICAO documentation (particularly PANS ATM Amendment 7)
- Reminder:
  - SERA in case of collective action (ATS/pilots)
  - ATS requirements for ATS providers/Units/staff
- Analysis allowed the identification of provisions to be proposed for transposition as SERA in the future maintenance mechanism



# Transposing ICAO – HOW?

- Detailed analysis of relevant ICAO documentation
- Selection of measures to be transposed on a case-by-case basis
- Proposed transposition as IR, AMC, GM not in contradiction the with the regulatory force of the original ICAO provisions







# NPA 2016-09 'ATS requirements'

- Published on 14 September 2016
- Available at:  
<http://www.easa.europa.eu/document-library/notices-of-proposed-amendment>
- NPA (A) includes procedural information, explanatory notes and Regulatory impact assessment
- NPA (B) includes the proposed measures (IR, AMC, GM)
- Consultation Workshop will be held on 30.11.16
- Public consultation open until ~~16 January 2017~~ **28 February 2017**
- CRD/Opinion planned for 2017



## Subpart A – ATS.OR

Section 1 - General

Section 2 – Safety of services

Section 3 – HF requirements

Section 4 – Communication reqs.

Section 5 - Information reqs.

## Subpart B – ATS.TR

Section 1 – General

Section 2 – ATC service

Section 3 - FIS

Section 4 – Alerting service



Existing requirements with Reg. 2016/1377



New requirements proposed with the NPA on PART-ATS



# NPA 2016-09: Focus on Low Visibility (1)

- **ATS requirements are generally applicable regardless weather conditions**
- No definition of 'low visibility operations' or 'conditions' is provided
  - Not even provided in ICAO Annex 2 / Annex 11 / PANS ATM
- **ATS.OR.110 - Coordination between aerodrome operators and ATS providers**
  - AMC4 stipulates the necessity to establish arrangements between ATS provider and ADR operator for definition of responsibilities for low-visibility operations, in addition to those in ATS.TR.265(b) concerning control of aerodrome surface traffic in conditions of low visibility



# NPA 2016-09: Focus on Low Visibility (2)

- ATS.OR.510 & ATS.OR.515 - MET information for APP, TWR, AFIS
  - Defines the availability of the various MET information for the ATS units concerned with arrivals and departures, including RVR and cloud base values, when this information is provided by instrumental means
- ATS.OR.520 - Information on aerodrome conditions and the operational status of associated facilities
  - Includes information concerning temporary hazards on the movement area and facilities, e.g. aeronautical ground lights
- ATS.OR.525 - Information on the operational status of navigation services
  - Includes information concerning radio navigation services and visual aids essential, inter alia, for approach, landing and surface movements



# NPA 2016-09: Focus on Low Visibility (3)

- ATS.TR.155 - Aeronautical ground lights
  - AMC1 addresses the procedures for operation of such lights;
  - GM1 to AMC1 describes aeronautical ground lights (approach lighting, runway lighting, obstacle lighting, taxiway lighting, stop bars)
- ATS.TR.205 - Provision of ATC service
  - AMC1 to point (c) prescribes:
    - ✓ To maintain continuous watch of all flight operations on the aerodrome and its vicinity, as well as of persons and vehicles on the manoeuvring area
    - ✓ the use of ATS surveillance system for aerodrome control to augment visual observation of traffic in low visibility conditions



# NPA 2016-09: Focus on Low Visibility (4)

- ATS.TR.240 - Control of persons and vehicles at controlled aerodromes
  - Point (b) establishes the principles to be applied when low visibility procedures are in operation, including the need for application of a prescribed separation minima between vehicles and aircraft taxiing on the manoeuvring area
  
- ATS.TR.245 - Use of surface movement surveillance equipment at aerodromes
  - Prescribes the use of A-SMGCS or other suitable surveillance equipment by the aerodrome ATS, in lieu of or to supplement visual observation on the traffic of the manoeuvring area
  - GM1 indicates the use of surface movement radar information in surface movement control



# NPA 2016-09: Focus on Low Visibility (5)

- ATS.TR.265 - Control of aerodrome surface traffic in conditions of low visibility
  - Specifies the principles to be applied to ensure safe holding of aircraft/vehicles at intersection of taxiways
  - Prescribes the determination and the approval, with related criteria, of longitudinal separation on taxiways
  - Mandates the establishment of specific procedures for CAT II/III operations and for departures with RVR less than 550 mts.
  
- AMC1 ATS.TR.265(b) – Procedures for control of aerodrome traffic when CAT II/III approaches are in use
  - Establishes the details of the elements to be addressed when establishing procedures for aerodrome control in CAT II/III conditions (e.g. RVR values, minimum ILS/MLS equipment, other facilities, minimum spacing between arriving/departing aircraft, between aircraft and vehicles/person on the manoeuvring area, etc.)



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**Thank you very much for your attention!**

**Questions?**

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