



EASA
European Aviation Safety Agency

Workshop on PBN implementation

-

NPA 2015-01

09 March 2015

Myllärniemi Jussi

ATM/ANS and Airport Department (EASA FS.4)

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NPA 2015-01: PBN implementation in EATMN

27
FEB
2015

NPA 2015-02

Systematic review and transposition of existing FAA TSO standards for parts and appliances into EASA ETSOs

Expiration date for comments: 27/05/2015

SEND COMMENTS VIA [CRT](#)

19
JAN
2015

NPA 2015-01

Performance-Based Navigation (PBN) implementation in the European Air Traffic Management Network (EATMN)

Expiration date for comments: 20/04/2015

SEND COMMENTS VIA [CRT](#)

17
DEC
2014

NPA 2014-29 (A)

Amendments to Commission Regulation (EU) No 1178/2011 (the Aircrew Regulation), as amended — Cover Regulation, Annex I, Annex II, Annex III and AMC & GM to Annex I (Part-FCL)

Expiration date for comments: 17/03/2015



European Aviation Safety Agency

Notice of Proposed Amendment 2015-01

Performance-Based Navigation (PBN) implementation in the European Air Traffic Management Network (EATMN)

RMT.0639 — 19.1.2015

EXECUTIVE SUMMARY

This Notice of Proposed Amendment (NPA) addresses the safety, interoperability, proportionality and coordination issues related to the implementation of Performance Based Navigation (PBN) within European airspace.

The specific objective is to ensure a safe, efficient and harmonised implementation of specific PBN specifications and functionality in the European ATM Network (EATMN). In achieving this objective, the proposal, which extends the PBN implementation requirements beyond the 24 EU aerodromes as required by the Pilot Common Project Regulation, mitigates the risks associated with a non-harmonised implementation, thus ensuring a smooth transition to PBN operations, fully supporting the implementation of the European Air Traffic Management Master Plan. The proposal builds on the accepted conclusions defining the navigation specifications and functionality that should be implemented in the European airspace, resulting from a previous European Commission mandate issued to EUROCONTROL for the preparation of a Single European Sky interoperability implementing Regulation for PBN.

This NPA proposes that Air Traffic Service Providers (ATSPs) and aerodrome operators implement:

- PBN Standard Instrument Departure (SID)/Standard Instrument Arrival (STAR) and Air Traffic Service (ATS) routes as required to meet locally defined performance objectives that conform to RNP1 performance requirements as of December 2018; and
- PBN approach procedures with vertical guidance (APV) (RNP APCH) at all instrument runway ends where there are currently only non-precision approach procedures published before January 2024.

Aircraft operators wishing to operate these routes and procedures will be required to ensure that their aircraft and flight crew are approved for PBN operations.

This proposal is expected to increase safety, improve harmonisation of PBN operation and be consistent with the ATM Functionality AF 1 — 'Extended AMAN and PBN in high density TMAs; of Commission Implementing Regulation (EU) No 716/2014 — 'Pilot Common Project'.

Applicability		Process map	
Affected regulations and decisions:	Regulation (EU) No 1332/2011; Regulation (EU) No 963/2012; ED Decision 2012/002/R.	Concept Paper:	No
Affected stakeholders:	Member States; ATM/ANS providers; aerodrome operators.	Terms of Reference:	23.6.2014
Driver/origin:	Legal obligation (EU Mandate for PBN Operations; Commission Regulation (EU) No 716/2014 — Pilot Common Project).	Rulemaking group:	No
Reference:	EC mandate for an IR on PBN (MOVE E2/ENM D(2011) (6.4.2011).	RIA type:	Full
		Technical consultation during NPA drafting:	No
		Duration of NPA consultation:	3 months
		Review group:	TBD
		Focused consultation:	Yes
		Publication date of the Opinion:	2015/Q2
		Publication date of the Decision:	2015/Q4



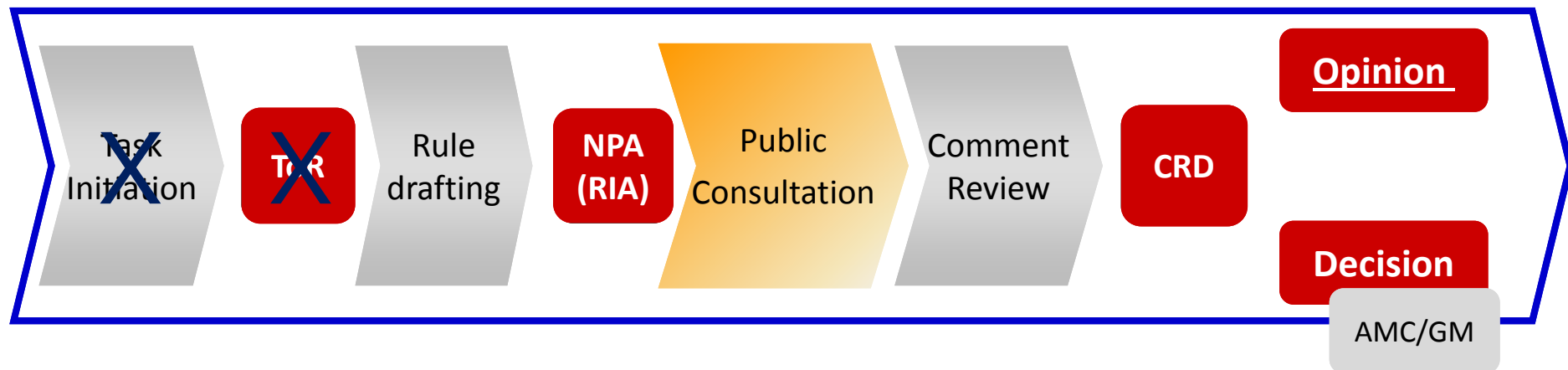
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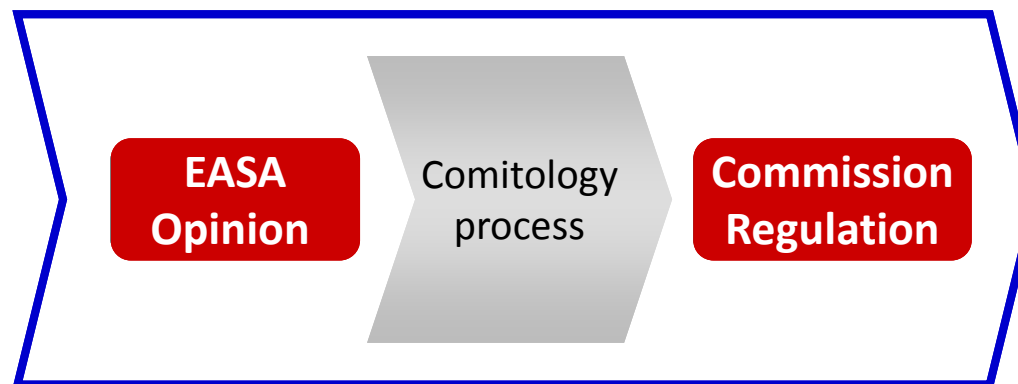


NPA = Notice of Proposed Amendment

EASA Rulemaking process

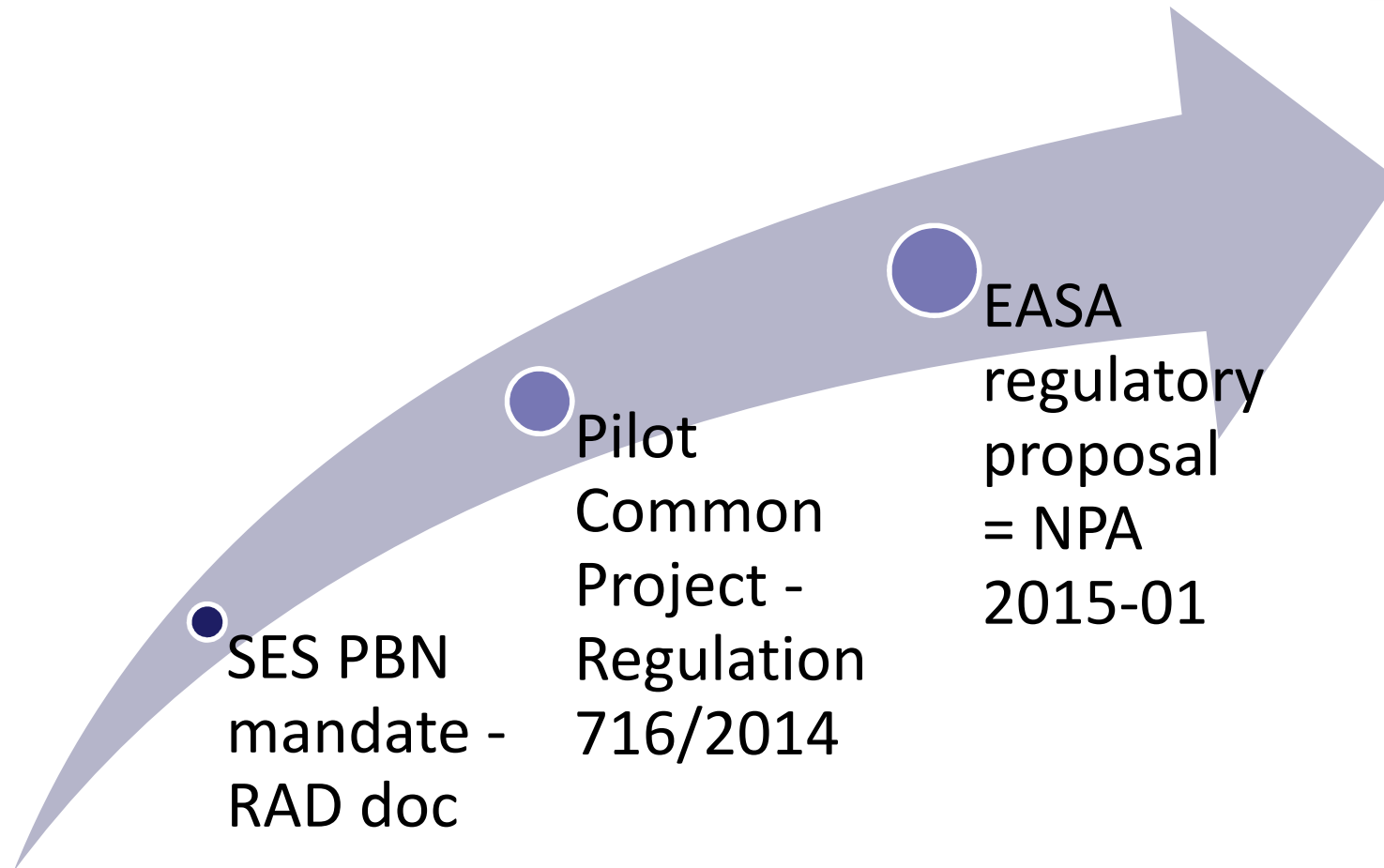


Adoption of Commission Regulation



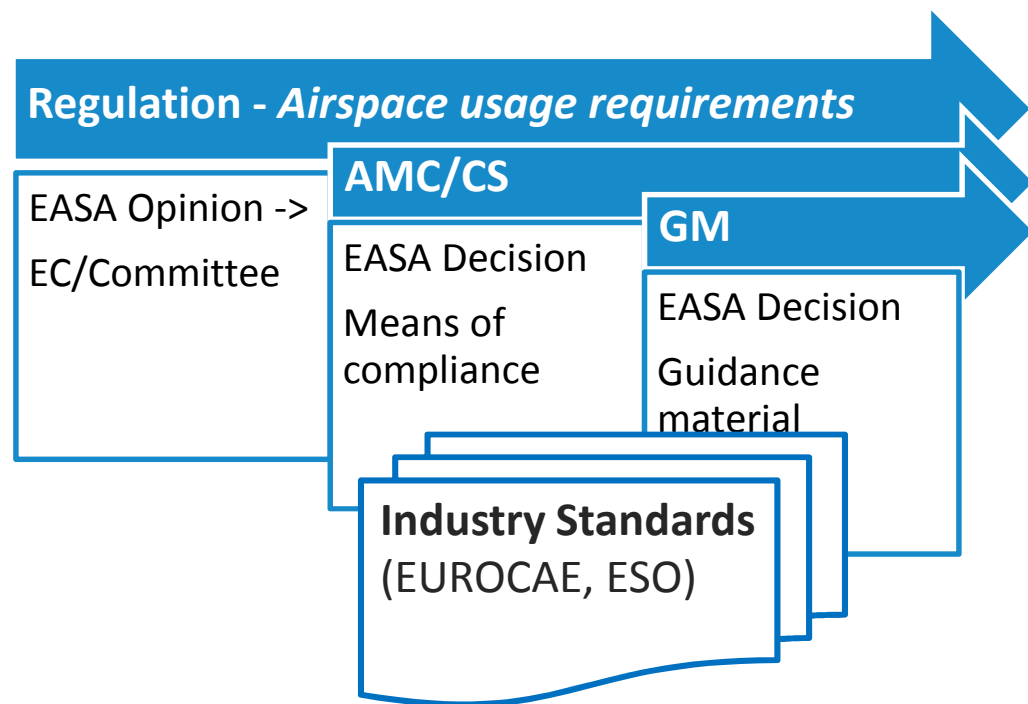
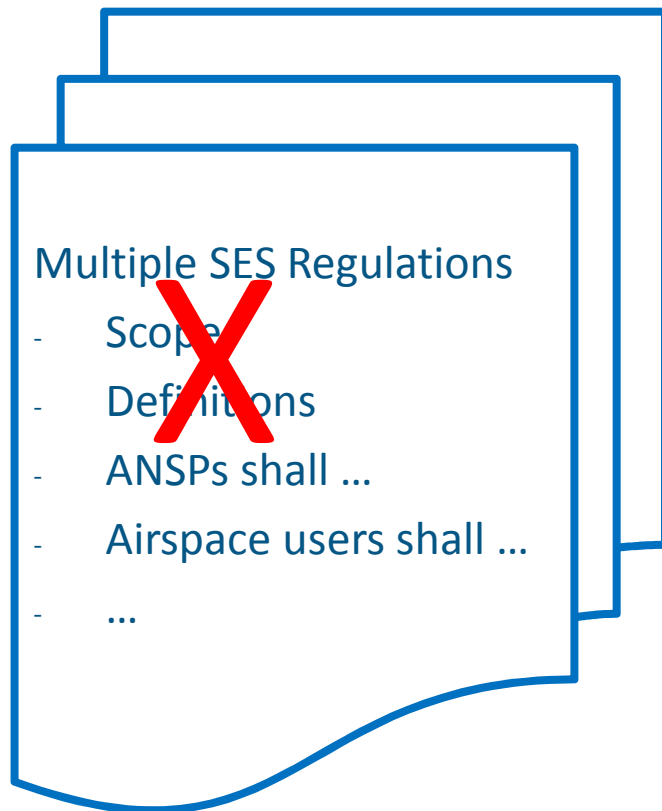


Regulatory task for PBN in EATMN





Regulatory approach for NPA 2015-01





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Any Questions?

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