



EUROPEAN AVIATION SAFETY AGENCY
AGENCE EUROPÉENNE DE LA SÉCURITÉ AÉRIENNE
EUROPÄISCHE AGENTUR FÜR FLUGSICHERHEIT

EASA Rulemaking Activity regarding Halon

presented by
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- RMT.0560, NPA 2014-26 in progress
 - Title: Halon: Update of Part 26 to comply with ICAO standards
 - Applicability:
 - TOR Iss. 1: lavatory and handheld fire extinguisher for newly produced large aeroplane and rotorcraft
 - Note: CS-23/-27 not covered yet, will be treated as EASA internal task
 - Schedule:

➤ NPA draft:	13.03.2014
➤ Final draft NPA:	September 2014
➤ NPA publication:	18.11.2014
➤ CRD preparation:	18.03.2015 til end 2015
➤ CRD & Opinion to EC:	Q1 2016
➤ Commission regulation:	Q1 2017
➤ CS26:	Q1 2017
 - CRD Status:
 - positive and supportive feedback received
 - few adverse comments and some concerns raised (health issues)
 - (2-BTP availability)



- RMT.0273, NPA 2011-14 closed
 - removing Halon from Book1 of CS-23/-25/-29
 - providing related guidance material in Book2 (AMC)
 - In line with ICAO Annex 8 (new aircrafts)

- RMT. 0206, NPA 2015-02 issued
 - new ETSO-2C515 for halon-free portable fire extinguishers
 - based on SAE AS 6271 (Halocarbon Clean Agent Handheld Fire Extinguisher)
 - NPA published on 27.02.2015
 - NPA comments until 27.05.2015
 - 10 comments specific to ETSO-2C515
 - One proposal to suspend publication pending review of specialised working group
 - Decision planned Q1/2016



- RMT. 0368 planned for 2016
 - Protection against the use of contaminated Halons
 - Guidance material to verify the quality of Halon in production and maintenance organisations
 - Task deleted from rulemaking planning
 - SIB No 2009-39R1 deemed sufficient



Halon Replacement Dates

Dates for halon replacement					
Purpose	Location of fire extinguishers	ICAO	Regulation (EU) No 744/ 2010	Agency	
				CSs	This NPA
End date Mandatory Retrofit	Normally unoccupied cargo compartments	No retrofit mandated by ICAO	2040	Not proposed [but the dates in Regulation (EU) No 744/2010 directly apply unless there is a case by case derogation obtained per Article 13(4) of Regulation (EC) No 1005/2009]	
	Hand-held in cabins and crew compartments		2025		
	Engine nacelles and APU		2040		
	Lavatory waste receptacles		2020		
Forward fit New applications for individual Certificate of Airworthiness (CofA)	Normally unoccupied cargo compartments	Not mentioned	Out of scope of Regulation (EU) No 744/ 2010	Out of scope of CS-23, CS-25 and CS-29 (and of Part 21)	Not proposed
	Hand-held in cabins and crew compartments	2016			2018 (2 years later than set out in ICAO Annex 6)
	Engine nacelles and APU	Not mentioned			Not proposed
	Lavatory waste receptacles	2011			2015 (4 years later than set out in ICAO Annex 6)
Cut off New applications for type Certificates (new design)	Normally unoccupied cargo compartments	Not mentioned	2018	Halon no longer mandated by 'Book 1' of CS-23, CS-25 and CS-29, but neither prohibited, until Regulation (EU) No 744/ 2010 applies	Not proposed (out of scope of Part-26 and CS-26)
	Hand-held in cabins and crew compartments	Mentioned only in Resolution A36-12, which has been repealed	2014		
	Engine nacelles and APU	2014	2014		
	Lavatory waste receptacles	2014	2011		

•**End Date:** i.e. after which the use of halon would no longer be permitted; all halon fire extinguishers and fire protection systems should be replaced, converted or decommissioned by the end date.

•**Cut off:** No new application for Type Certificates possible if halon is present in the design.

•**Source:** latest NPA 2014-26 for RMT0.560, chapter 4.7 (RIA conclusions), table 23-25



Halon Replacement Dates

- ICCAIA proposal to ICAO
 - Halon replacement date for cargo compartment
 - Shifting of cut-off dates to 2024 (ICCAIA so called „Preferred Option“)
 - EASA noted that EC Regulation no. 744/2010 calls for 2018 as cut-off date
 - EASA suspect decreased OEM R&D activities by shifting the cut-off date

- EASA / DG-CLIMA Discussion
 - Clarification of EC Regulation no. 744/2010, i.e definition of new equipment vs EASA Change Product Rules (Part21)
 - EASA involvement in Research is being assessed



- Youri Auroque: Regulations Officer
- Remi Deletain: Power Plant Expert
- Lia Calleja-Barcena: Dangerous Goods Expert
- Thomas Loevenich: Cabin Safety Expert



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