EASA – Halon Replacement Status

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## Halon Replacement Dates

| Purpose | Location of fire extinguishers | ICAO | Regulation (EU) No 1005/2009 | Agency | Agency (Other)
|---------|--------------------------------|------|-----------------------------|--------|----------------
| **End date Mandatory Retrofit** | Normally unoccupied cargo compartments | No retrofit mandated by ICAO | 2040 | Not proposed [but the dates in Regulation (EU) No 1005/2009 directly apply unless there is a case by case derogation obtained per Article 13(4) of Regulation (EC) No 1005/2009] | CSs | Opinion 08/2016
| | Hand-held in cabins and crew compartments Engine nacelles and APU | | 2025 | | |
| | Lavatory waste receptacles | | 2040 | | |
| | | | 2020 | | |
| | Hand-held in cabins and crew compartments Engine nacelles and APU | | 39th Assembly: shift to 2018 | | 2018 |
| | Lavatory waste receptacles | Not mentioned | 2011 | Not proposed | TBC |
| **Cut off** New applications for type Certificates (new design) | Normally unoccupied cargo compartments | 2024 (Annex 8) | 2018 | Halon no longer mandated by ‘Book 1’ of CS-23, CS-25 and CS-29, but neither prohibited, until Regulation (EU) No 1005/2009 applies | Not proposed (out of scope of Part-26 and CS-26) |
| | Hand-held in cabins and crew compartments | Not mentioned | 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.
- **Forward Fit:** For Lavatory EASA proposal TBC: one year after publication of rule.

*DG-CLIMA maintains 2018 for Cargo*
RMT Overview

- RMT.0560, Opinion 08/2016 issued
  - 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: 02 Aug 2016
    - CS26: Q4 2017
RMT. 0206, CS-ETSO Amendment 11 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

CRD: Publication 01 Aug 2016
Decision: Decision 2016/013/R - 01 Aug 2016: CS-ETSO Amendment 11

- SAE AS6271 ‘Halocarbon Clean Agent Hand-Held Fire Extinguisher’ with modifications which further refers to:
  - UL 711/2129 (Minimum Rating, Test Requirements, Qualification)
  - FAA MPS DOT/FAA/AR-01/37 (e.g. Hidden Fire Test, Seat Fire Toxicity Test)
EASA / DG-CLIMA Discussion

- Clarification of EC Regulation No. 1005/2009, i.e. definition of new equipment vs EASA Change Product Rules (Part-21)
  - New TC per Part-21 definition

- Derogation process: entry point DG-CLIMA/Member State
EASA Contacts

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Your safety is our mission.