FAA AC 20-135 Revision Overview

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AC 20-135 Revision overview

Purpose:

- Provide a high level overview of proposed revisions for Revision A of AC 20-135A, instead of a Change 2

- A revision is required per FAA Order 1320.46D Advisory Circular System, Chapter 3, Section 2.d, if more than 35% of the content changes

- AC 20-135A to be released after publication of AS6826

AC 20-135 Rev A overview

- **Section 1 (Purpose) updates:**

  - 1.1 - Refer to SAE AS6826 as acceptable MoC (Means of Compliance)

  - 1.2 – Due to recent certification program issues, add the following clarification statements:
    - For components tested with propane burner of previously certificated products, re-test is not required if there are no certification changes.
    - For components that are new or have been modified, FAA requires kerosene burner to demonstrate fire resistant or fireproof compliance for new TC, ATC, and STC applications.

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AC 20-135 Rev A overview

- **Section 2 (Principal Changes) updates:**

  - Delete the following sections updated by AS6826 –
    - Section 4 (Definitions)
    - Section 5 (Fire Protection Principles and Objectives
    - Section 6 (Fire Test Equipment Test Standards and Criteria)
    - Section 7 (Fire Protection Installation and Design Features)

  - Keep AC 20-135 Section 8, Engine Case Burn-Through Criteria, until SAE A-22 Group F develops updated guidance material

AC 20-135 Rev A overview

- **Section 2 (Principal Changes) update – residual flames < 2 minutes criteria**

  - Introduce FAA Issue Paper topic on residual flames for transport airplane programs
    - Joint Certification Authorities (CA) team position white paper transmitted to SAE A-22 (September 2022)
    - To be published in FAA Transport Airplanes Issues List (TAIL)

  - AS6826 to include updated pass/fail criteria

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AC 20-135 Rev A overview

- **Section 2 (Principal Changes) update - other guidance materials**

  - Not applicable - FAA Materials Fire Test Handbook, Chapters 11-14.

  - To be superseded - See complete list in SAE AS6826

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- **Questions?**