



PPH Integration of IP-180

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787 AHM Timeline

- AHM WG specific to 787 created during March 2021 787 ISC Meeting.
- Working Group #1 held April 27, 2021
 - Elect Chair, determined Workshop schedule.
- Workshop held June 15th - July 1st, 2021
 - Developed PPH Revisions
 - MRBR Formatting
- Working Group #2 held March 28-31, 2022
 - Initial set of tasks

PPH Integration

- Integrated Level 3 Analysis into the 787 PPH
 - Remains in Draft until AC 43-218 is released and reviewed by the WG.
 - WGs allowed to proceed while in draft status
- Started with Level 3 logic copied directly from IP-180 and reviewed in its entirety.
- Deviations from IP-180
 - Additional escape path following selection of AHM Hybrid to re-evaluate effectiveness
 - Clarification: Hybrids with only an interval modification will not add new MRBR task. Will be covered by an Interval Note.

Box 2-3-9.C (SELECT AHM HYBRID)

This is a Classic task supplemented by AHM which may change scope, interval or procedure. In this case the AHM does not fully satisfy the intent of the Classic task – not all failure causes are covered by AHM.

Examples of combination could be (but are not limited to):

- AHM paired with modified Classic task at different interval (e.g. for partial – not all failure causes)
- Classic task scheduled by parameters from AHM (e.g. for delta P – a restore task converted to FC at a reduced interval)
- AHM data applied for scheduled checks (e.g. for Air Cycle Machine – temp records of operational environments allow for a different interval for ACM maintenance)
- AHM may provide usage parameter to aid in task interval definition

Once an AHM Hybrid is determined, the WG will re-evaluate the effectiveness of the Hybrid task versus the original Classic task (without the use of AHM monitoring).

There will be two possible outcomes to choose from:

- Select AHM Hybrid
- Retain only the original Classic task

If the AHM Hybrid is selected, it will be published within the MRBR.

Other Topics

- Selection of items to undergo Level 3 analysis
- New analysis forms
- MRBR note formatting/standards
- AHM requirements documentation

