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## **Airplane Health Monitoring (AHM) Working Group (WG)**

**Jeff Miller**

May 13-17, 2024

## Timeline

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- May 2023: IP-211, Level 3 Analysis – AHM Effectiveness Determination issued.
- Nov 2023: Additional 4 CIPs related to definition of IAHM and AHM discussed.
- Jan 2024: 4 CIPs reviewed – 2 each for Volume 1 and Volume 2
- Feb 2024: Volume 2 CIPs retracted following input from RMPIG. Remaining 2 CIPs refined.
- Feb 2024: Future CIP kicked-off, focusing on Management vs Monitoring differences.

# Current Activities

- Two CIPs for consideration at 2024 IMRBPB
  - CIP MPIG 2023-07, Harmonization of AHM Terminology in MSG-3 Volume 1
  - CIP MPIG 2024-01, AHM Application Harmonization in MSG-3 Volume 1



**International MRB Policy Board**

*Issue Paper (IP)*

*IP Number: CIP MPIG 2024-01*  
*Initial Date: 08/Mar/2024*  
*Revision - Date (DD/MMM/YYYY):*  
*Effective Date (DD/MMM/YYYY):*  
*Retroactivity (Y/N): N*

<b>Title:</b>	AHM Application Harmonization in MSG-3 Volume 1	<b>Applies To:</b>	
		MSG-3 Vol 1	X
		MSG-3 Vol 2	
<b>Submitter:</b>	MPIG AHM Working Group	IMPS	

**Issue:**  
 The objective of the MSG-3 document is to present a means to develop scheduled maintenance tasks and intervals. IAHM is an end-to-end process that includes activities that are downstream of the MRBR. The use of the terms “tasks and intervals” are not appropriate when referring to the downstream activities associated with IAHM.

**Problem:**  
 When AHM was introduced in the Level 3 analysis, the industry could not agree on the appropriate terminology to use when referring to AHM alternatives to classic tasks. This CIP proposes the wording in the MSG-3 Level 1 document be revised to “IAHM application.”



**International MRB Policy Board**

*Issue Paper (IP)*

*IP Number: CIP MPIG 2023-07*  
*Initial Date: 02/Feb/2024*  
*Revision - Date (DD/MMM/YYYY):*  
*Effective Date (DD/MMM/YYYY):*  
*Retroactivity (Y/N): N*

<b>Title:</b>	Harmonization of AHM Terminology in MSG-3 Volume 1	<b>Applies To:</b>	
		MSG-3 Vol 1	X
		MSG-3 Vol 2	
<b>Submitter:</b>	MPIG AHM Working Group	IMPS	

**Issue:**  
 There are multiple aircraft health-related terms used in regulatory documents, academia, and industry that are interpreted differently and may result in conflicting information and action taken by the industry.

**Problem:**  
 The industry is using different aircraft health-related terminology that may lead to confusion over the level of responsibility for managing the end-to-end process of aircraft health assessment.

## Future Activities

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- Rectify differences between Volume 1 and Volume 2 in anticipation of a single volume for MSG-4
  - Classic task terminology
  - Level 3 logic
- Management vs Monitoring
  - Continues to be a point of discussion whenever AHM gets discussed.
  - Future CIP to provide further guidance on Management vs Monitoring.



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