SAE TECHNICAL COMMITTEE HM-1 INTEGRATED VEHICLE HEALTH MANAGEMENT

Fact Sheet

The SAE HM-1 Integrated Vehicle Health Management committee will serve as a forum to gather, develop, record and publish expert information in the discipline of aerospace Integrated Vehicle Health Management. It will address the integration of health management systems at both the platform and fleet levels and provide technical standardization to support, guide and advance the realization of Integrated Vehicle Health Management – through common definitions, parameters and taxonomy. In addition, the committee will promote the advancement of Integrated Vehicle Health Management technologies, through technical guidance and support functions both within the committee’s membership and to the world as a whole.

For additional information on this SAE Technical Standards Committee, please visit:
https://www.sae.org/servlets/works/committeeHome.do?comtID=TEAHM1

Examples of standards development/revision activities

- ARP6290 Guidelines for the Development of Architectures for Integrated Vehicle Health Management Systems
- AIR6334 A Power Usage Metric For Rotorcraft Power Train Transmissions
- ARP6887 Verification & Validation of Integrated Vehicle Health Management Systems and Software
- AIR8012 Prognostics and Health Management Guidelines for Electro-Mechanical Actuators
- AIR6970 Atmospheric Corrosion Monitoring Informational Report
- JA1013 Condition Based Maintenance (CBM) Recommended Practices
- ARP6275A Determination of Cost Benefits from Implementing an Integrated Vehicle Health Management System

Recently published documents

- ARP6904 Rationale, Considerations, and Framework for Data Interoperability for Health Management within the Aerospace Ecosystem
- ARP6915 Human Factor Considerations in the Implementation of IVHM
- AIR6900 Applicable Integrated Vehicle Health Monitoring (IVHM) Regulations, Policy, and Guidance