

New SAE International Standard Established Process for Effective Risk Identification and Assessment throughout Aerospace Engine Manufacturing Process

WARRENDALE, Pa., Aug. 30, 2017 - SAE International announces the publication of [AS13004: Process Failure Mode and Effects Analysis \(PFMEA\) and Control Plans](#).

Aerospace engine manufacturers and their suppliers currently have differing requirements for effective process risk identification, assessment, mitigation, and prevention.

This new standard establishes a common practice and methodology in defining the requirements to mitigate risks by their systematic identification, assessment, and prevention in the manufacturing process. It accomplishes this through the application of Process Flow Diagrams (PFDs), Process Failure Mode and Effects Analysis (PFMEA) and Control Plans throughout the life cycle of the product.

AS13004, and the previously released [AS13003, Measurement Systems Analysis Requirements for the Aero Engine Supply Chain](#), fully align and support the SAE standard "[AS9145 Requirements for Advance Product Quality Planning and Production Part Approval Process](#)", which was developed by the IAQG/SAE G-14 AAQSC Committee.

The nine members of the AESQ Strategy Group (GE Aviation, GKN, Honeywell, MTU Aero Engines, PCC Structural, Pratt & Whitney, Rolls-Royce, Safran, Arconic) will accept the immediate use of AS13004 within their supply chains and strongly encourage organizations to use these latest two standards when implementing AS9145. Although designed for the aerospace engine supply chain, both AS13003 and AS13004 may be applied effectively by other segments of the aviation, space, and defense industries.

The SAE G-22 AESQ Committee and the IAQG/SAE G-14 AAQSC Committee worked together cooperatively to ensure proper alignment of these standards.

To learn more about this new document, visit <http://standards.sae.org/as13004/>.

Credentialed members of the media may request a review copy of AS13004 by emailing pr@sae.org or calling 724-772-8522.

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