Notice to Suppliers



Adoption of aerospace industry Measurement Systems Analysis (MSA) standard

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For the attention of the Managing Director and Quality Manager

Dear Sir or Madam,

Scope/Applicability:

All suppliers to our aerospace supply chain.

Introduction:

We recognise the importance of inspection capability across our supply chain to ensure that parts are correctly verified and that all parts meet design intent. However, there are many interpretations on how this can be achieved. Therefore we have been working with other engine manufacturers and aerospace suppliers to define an industry standard for measurement systems capability as part of the G-22 AESQ (Aero Engine Supplier Quality Group) Committee.

Background:

The G-22 AESQ Committee published a new MSA standard in March of this year – AS13003. The purpose of this standard is to define the requirements for the approval of measurement and inspection systems used across the aero engine supply chain.

Formed in 2013, the AESQ Committee membership includes engine manufacturers as well as major suppliers. Companies represented include GE, GKN, Honeywell, MTU, PCC, Pratt & Whitney, Rolls-Royce, and Snecma. Its mission is to improve the quality capability of the aero engine supply chain and reduce costs through eliminating waste. The group aims to harmonise its current supplier quality management requirements using the following key principles:

- Create simple, prescriptive requirements.
- Establish clear acceptance criteria.
- Create a common language for quality.
- Build on existing industry best practice, where it exists.

The new MSA standard adopts best-practice from other industries including the AIAG (Automotive Industry Action Group) Measurement Systems Analysis Manual and describes the acceptance criteria that suppliers are expected to demonstrate. The standard is supported by existing industry wide-training and consultancy provision. The aero engine manufacturers on the G-22 AESQ Committee will be communicating their specific deployment requirements to their suppliers over the coming months.

Action Required:

- Obtain a copy of the MSA standard (AS13003) from the <u>SAE website</u> and build the requirements in to your own quality system.
- Increase the capability of your staff in order to improve the effectiveness of your MSA approach.
- Define your deployment plans to cover the requirements of the standard for all Rolls-Royce products (as defined within the standard).
- For products not covered by the new MSA requirements then the previous SABRe requirements shall remain in force.
- We strongly encourage the deployment of MSA on all features / measurement systems as part of a robust quality management approach.
- AS13003 will be applicable on all new product introduction and source and method changes on contracts awarded after January 1st 2016

NTS Category:

Quality

Authorised by:

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