



Notice to Suppliers

Ultrasonic Thickness Measurement – Potential Undeclared Non-Conformance (Action Required)

Originator: Ryan Wilson
Job Title: Life Cycle Engineer
Business Unit: Defence/Civil Aerospace and Marine

NTS Number: 616
Issue: 1
Date: 07th November 2024

For the attention of Managing Director and Quality Manager

Scope/Applicability:

All Defence Aerospace suppliers & sub-contractors
All Civil Aerospace suppliers & sub-contractors
All Naval Marine suppliers & sub-contractors

Dear Supply Partner,

Introduction:

An investigation by Rolls-Royce has identified the potential for undeclared dimensional non-conformances when inspecting with ultrasonic thickness measurement techniques. In these cases, the confirmation of measurement on known material thickness has not prevented inadvertent acceptance of parts with thicknesses below the minimum limit.

Rolls-Royce NDT Specialists have identified an increased risk when measuring sections less than 2mm (0.078 inch) thick. Therefore, ultrasonic processes in use on these sections should be reviewed by a trained competent person (e.g. NDT ultrasonic Level 3) to ensure appropriate controls are in place.

To enable Rolls-Royce to confirm affected parts, suppliers must provide additional information.

Action Required:

All suppliers are to read MXG048 and respond to this notification in the form attached to this NTS. This form confirms whether you or your supply-chain have conducted ultrasonic thickness measurements of parts supplied to Rolls-Royce.

If you provide a positive confirmation, **please complete and provide Rolls-Royce with the attached Excel document (at the email address provided below) by close of business on 20th December 2024.**

Should your own analysis identify any concerns, you should immediately inform Rolls-Royce and launch the Notification of Escape (NOE) process and containment actions as per the requirements of SABRe.

NTS Category:

Engineering / Technical

Authorised by:

Alistair Williamson

SVP – Manufacturing Engineering