

## Unique identification and direct part marking

**Originator:** Jewel Dupree  
**Job Title:** Manufacturing Engineer – Purchase  
**Business Unit:** Global Purchasing

**NTS Number:** 370  
**Issue:** 1  
**Date:** 20<sup>th</sup> February 2015

### For the attention of the Managing Director and Quality Manager

Dear Sir or Madam,

#### Scope/Applicability:

All suppliers in receipt of purchase orders from Rolls-Royce business units covering the gas turbine supply chain.

#### Introduction:

We are verifying understanding of EDI 460 with regard to machine readable direct part marking (DPM) due to recent updates to the specification. Please refer to the product specifications of the items you supply to determine if EDI 460 is required. The EDI 460 specification includes detailed requirements. Keep in mind all machine readable call outs also include human readable information. If AS478 and EDT500 or EDT506 are included in the product specification then you have a machine readable requirement. See applicable section of 'Direct Part Marking' in the Explanation of Drawing Terms (EDTs).

EDI 460 was revised as of 21<sup>st</sup> January 2015 with the following change to paragraph 5.17.3:

*“All Data Matrices shall be constructed per ISO/IEC 16022 using the ECC 200 error correction noted within ISO/IEC 16022. The preferred syntax is per ISO/IEC 15434. All part data information contained within a Data Matrix symbol will usually be preceded by Text Element Identifiers (TEIs) to identify the data within the Data Matrix symbol. The quality of Data Matrices shall be in accordance with SAE AS9132 or ISO/IEC 15415, or AIM DPM-1-2006. See Appendices B and C. See Figure 4 for examples of Data Matrix format.”*

To ensure understanding of direct part marking, it is necessary to request suppliers to conduct a compliance review related to the requirements of EDI 460.

#### Action Required:

All suppliers shall:

- Review all applicable product definitions and EDI 460M. Address any questions to [rnacentralmep@Rolls-Royce.com](mailto:rnacentralmep@Rolls-Royce.com)
- Perform a gap analysis against the DPM requirements and make any necessary changes to your internal quality management system to ensure compliance.
- Complete and sign the form on page 2 of this NTS.
- E-mail the signed form to [rnacentralmep@Rolls-Royce.com](mailto:rnacentralmep@Rolls-Royce.com) using the subject line “NTS370”
- Completed forms must arrive at the above inbox before 30<sup>th</sup> April 2015.

**Please check any and all applicable boxes:**

We have full understanding of the direct part marking process and confirm that our company's quality management system is compliant with EDI 460M.

We have full understanding of the direct part marking process and confirm that our company's quality management system is compliant with JES131 and RRES90003.

We have identified gaps in our company's quality management system with respect to the above and have a plan to address them by \_\_\_/\_\_\_\_/\_\_\_ (enter date in format DD/Mon/YY).

**Supplier details:**

Company Name	Vendor Code

**Form completed by:**

Name (printed)	
Signature	
Job Title	
Date (DD/Mon/YY)	

**NTS Category:**

Engineering / Technical

**Authorised by:**

William B. Kleiner

Vice President, Quality & Continuous Improvement – Defence