

## Quality Management System Approval (NoBo)

Identification Number: **2826/4/CH/2024/INF/EN/771621-1761/V01**

In accordance with Directive (EU) 2016/797 of 11 May 2016 (as amended).  
Assessment according to the Technical Document of ERA 000MRA1044 version 1.1 of June 2017.

<b>Object of Assessment</b>	Rail Interoperability Constituent Rail steel grades HP335, R260 and R260Mn: Profiles 39E1, 54E1, 50E2, 54E4, 56E1, 60E1 and 60E2	
<b>Applicant / Manufacturer</b>	British Steel , Scunthorpe Rail and Section Mill, Brigg Road, Scunthorpe, North Lincolnshire, DN16 1XA	
<b>Manufacturing Locations</b>	Scunthorpe Rail and Section Mill, Brigg Road, Scunthorpe, North Lincolnshire, DN16 1XA	
<b>Assessment Requirements</b>	TSI INF CR 1299_2014_EU 2023: 2023 In combination with the Harmonised Standards, Voluntary Standards (or parts thereof) and Alternative Solutions as identified in the Accompanying Documentation.	
<b>Exemptions from Assessment</b>	EN 13674-1:2011+A1:2017 does not specify the requirements for the HP335 grade of rail steel (although the standard is expected to include this grade in the next version). Therefore, rail steel grade HP335 has been assessed against the minimum requirements defined in the INF TSI point 5.3.1.2 (hardness at least 200 HBW, tensile strength at least 680 MPa, and minimum number of cycles at fatigue test without failure at least 5 × 10 <sup>6</sup> ). Note that some of these minimum requirements are significantly below the expected performance of HP335. These requirements are assessed according to the methodologies prescribed in the INF TSI point 6.1.5.1 [EN 13674-1:2011 paragraph 9.1.8 (for hardness), paragraph 9.1.9 (for tensile strength), and paragraphs 8.1 & 8.4 (for fatigue tests)]. The Quality Management System assessment included the production process for HP335.	
<b>Module Applied</b>	CH of the relevant decision adopted pursuant to the Directive.	
<b>Assessment / Audit Result</b>	The Quality Management system of the aforementioned Manufacturer (including any stated locations) has been audited and was shown to comply with the Assessment Requirements, subject to any Conditions and Limits of use as listed below. The Assessment Results are provided in detail within the Accompanying Documentation. The Essential Requirements have been assessed as being met through compliance with the requirements of the relevant TSI only.	
<b>Conditions and Limits of Use</b>	None	
<b>Annex of QMS Approval</b>	See Attached.	
<b>Accompanying Documentation</b>	Audit Report 771621-1620 Rail Constituent QMS Surveillance Audit_NoBo 01 771621-1507 NoBo File INF This documentation is an integral part of this QMS Approval.	
<b>Validity</b>	<b>Start</b> : 29/05/2024	<b>End</b> : 28/06/2026
	The validity of this QMS Approval is subject to the continued maintenance of the Quality Management System in accordance with the requirements of the above Directive. This QMS Approval is valid as long as compliance of the Quality Management System with certification requirements is maintained. If certification requirements are affected then Ricardo must be informed. Within the validity duration of this QMS Approval the Applicant can perform production/installation and final product/installation inspection of the Object of Assessment. This validity duration may be extended on the basis of future auditing.	
<b>Date of Issue</b>	21/06/2024	

Signature:

**Schoonakker, Piet**  
**Decision Maker**  
**On behalf of Ricardo Certification BV (2826)**  
**Daalsesingel 51A, 3511 SW Utrecht, The Netherlands**  
**e-sig: 771621-1536(02)**

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## **Annex of Quality Management System Approval (NoBo)**

**Identification Number:** 2826/4/CH/2024/INF/EN/771621-1761/V01

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**Object of Assessment** Rail Interoperability Constituent  
Rail steel grades HP335, R260 and R260Mn: Profiles 39E1, 54E1, 50E2, 54E4, 56E1, 60E1 and 60E2

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### **Change History**

<b>Issue</b>	<b>Date</b>	<b>Compiled By</b>	<b>Reason for This Issue</b>
01	24-06-2024	Dodsworth, Mark	Initial