

# Quality Management System Approval (NoBo)

Certificate number: 2826/4/CH/2022/INF/EN/N20221068/01

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 (R260 and HP335 only), 54E1, 54E4, 56E1, 60E1 and 60E2
<b>Applicant/ Manufacturer</b>	British Steel Limited 1 Brigg Road, Scunthorpe North Lincolnshire, DN16 1XA United Kingdom
<b>Assessment requirements</b>	Commission Regulation (EU) No 1299/2014 of 18 November 2014 on the technical specifications for interoperability relating to the 'infrastructure' subsystem of the rail system in the European Union, Commission Implementing Regulation (EU) 2019/776 of 16th May 2019 amending 1299/2014/EU and EN 13674-1+ A1 2017. Vignole railway rails 46 kg/m and above. EC Technical File 766363 Issue 1 (Section 5.1)
<b>Scope of /Exemptions from Assessment</b>	For HP335 grade: BS 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 both the INF NTSN and 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 x 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 both the INF NTSN and 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)]. Note that the Quality Management System assessment included the production process for HP335.
<b>Module applied</b>	Module CH of the relevant decision adopted pursuant to the Directive.
<b>Assessment Result</b>	The Quality Management System of the aforementioned Manufacturer 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 NoBo-File section 6. 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>	For rail profile 39E1 the grade of rail manufacture is limited to R260 and HP335 only.
<b>Annex of QMS Approval</b>	See page 3.

Signature:



DP20220065

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Ricardo Certification Signatory

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Notified Body No. 2826

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<b>Accompanying Documentation</b>	Rail Interoperability Constituent, Module CH QMS Surveillance Audit Reference: 768788RMCD220526 Issue 01 Re-Certification of Rail Interoperability Constituent Reference: 766363TF02, Issue 02, 25/08/2022 This documentation is an integral part of this QMS Approval.
<b>Validity</b>	<b>Start: 23/06/2022</b> <b>End: 23/06/2024</b> The validity of this QMS Approval is subject 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 the NoBo 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 the assessment. This validity duration may be extended on the basis of future auditing. This QMS Approval follows QMS Approval number 2673/4/CH/2019/INF/EN/N20190591/01.
<b>Date of Issue</b>	25/08/2022

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# Annex to Quality Management System Approval (NoBo)



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**Object of assessment** Rail Interoperability Constituent  
Rail steel grades HP335, R260 and R260Mn: Profiles 39E1 (R260 and HP335 only), 54E1, 54E4, 56E1, 60E1 and 60E2

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## Change Control

Issue	Date	Reference	Compiled By	Changes
01	25/08/2022	2826/4/CH/2022/INF/EN/N20221068/01	Benito Corbinzolu	First issue

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