



GB Railway Implementation Plan for the Commission Regulation (EU) on TSI OPE 2015/995 of 08 June 2015 OPE TSI

Issue 1.1 Sept 2016

> Copyright in the Railway Group Standards is owned by Rail Safety and Standards Board Limited. All rights are hereby reserved. No Railway Group Standard (in whole or in part) may be reproduced, stored in a retrieval system, or transmitted, in any form or means, without the prior written permission of Rail Safety and Standards Board Limited, or as expressly permitted by law.

> RSSB Members are granted copyright licence in accordance with the Constitution Agreement relating to Rail Safety and Standards Board Limited.

In circumstances where Rail Safety and Standards Board Limited has granted a particular person or organisation permission to copy extracts from Railway Group Standards, Rail Safety and Standards Board Limited accepts no responsibility for, and excludes all liability in connection with, the use of such extracts, or any claims arising therefrom. This disclaimer applies to all forms of media in which extracts from Railway Group Standards may be reproduced.

Published by

RSSB

© Copyright 2016 Rail Safety and Standards Board Limited

Reference: 2016-09-29-Implementation-Plan-TSI-OPE-2015/995-v1.1

Issue status

Version	Status	Date
0.1 draft	Preliminary plan produced for working group review and further work	January 2016
0.2 draft	Updated plan after initial review produced for further consideration and additional work	March 2016
0.3 draft	Outputs from Appendix A of the OPE/TSI added for internal working group review	April 2016
0.4 draft	Amendments after May working group review	May 2016
0.5 draft	Further amendments after second May working group review	May 2016
1.0	Endorsed by Traffic Operation and Management Standards Committee (TOM SC) for subsequent submission to the Department for Transport (DfT)	14 June 2016
1.1	Amendment to section 4.7.2.2.1 to rectify an identified misalignment	29 September 2016

1. INTRODUCTION

Under article 3d of Commission Regulation (EU) 2015/995 of 08 June 2015 amending Decision 2012/757/EU concerning the technical specification for interoperability relating to the 'operation and traffic management' subsystem of the rail system in the European Union (OPE TSI), Member States are required to prepare a national implementation plan describing their actions to comply with the TSI in accordance with section 7 of Annex I. Member States are required to send their national implementation plan to the other Member States and the Commission by 01 July 2017 and notify possible updates to these national implementation plans.

The OPE TSI states:

(7) <u>Implementation, and conformity</u> with the relevant points, of the TSI set out in the Annex, <u>should be determined in accordance with an implementation plan</u> that each Member State is required to update for the lines for which it is responsible......

(9) Directive 2008/57/EC defines the 'operation and traffic management' subsystem as functional. Consequently, <u>the compliance with the TSI on</u> operation and traffic management is not assessed when authorising a vehicle to be brought into service but <u>should be assessed when assessing the safety management systems of railway</u> <u>undertakings and infrastructure managers.</u>

This document forms the UK's plan for the implementation of the OPE TSI.

Additionally, section 7 of the OPE TSI sets out the following:

7.1. Principles

Implementation of this TSI and conformity with the relevant points of this TSI must be determined in accordance with an implementation plan that must be drawn up by each Member State for the lines for which they are responsible.....

The implementation plan must take into account the various levels of potential for implementation from any of the following events, namely when:

(a) a railway undertaking or infrastructure manager commences operations;

(b) a renewal or upgrade to the existing operational systems of a railway undertaking or infrastructure manager is introduced;

(c) a new or upgraded infrastructure, energy, rolling stock or command control and signalling subsystems, requiring a corresponding set of operating procedures, are put into service.

It is commonly understood that the full implementation of all elements of this TSI cannot be complete until the hardware (infrastructure, control and command, etc.) that is to be operated has been harmonised. The guidelines set out in this Chapter must therefore only be seen as an interim phase supporting migration to the target system. This plan does not deal with implementation of other TSIs. It assumes that any obligations in the OPE TSI which are fulfilled by changes to structural subsystems are addressed by alignment with the relevant implementation provisions and plans for the TSIs relevant to that subsystem. Therefore specific plans for such obligations are not covered in this document.

The Railways and Other Guided Transport Systems (Safety) Regulations 2006 (ROGS) came into force in 2006. The Regulations transpose into national law the Railway Safety Directive (2004/49/EC), which aims to establish a common approach to rail safety and support the development of a single market for rail transport services in Europe.

Under ROGS 2006 (as amended), no one is able to operate vehicles or manage infrastructure on the UK railway unless they have obtained the appropriate safety certificate or authorisation from the national safety authority. Those transport vehicles (in this context – operators of railway vehicles) require a safety certificate, and those who operate infrastructure (signals, track, bridges etc) require a safety authorisation. Applicants need to show how their safety management system (SMS) allows them to operate their transport system safely. This includes demonstrating how compliance with relevant TSIs, such as the OPE TSI and national rules, will be achieved. Therefore it is assumed that where the OPE TSI is applicable and when one of the three TSI implementation events identified in the OPE TSI section 7.1 *Implementation principles* occurs, in line with the authorised SMS, an applicant will comply with the requirements of the TSI in line with this implementation plan.

Section 7 of the OPE TSI goes on to set out:

7.2. Implementation guidelines

There are three distinct elements to implementation:

a) confirmation that any existing systems and processes comply with the requirements of this TSI;

b) adaptation of any existing systems and processes to comply with the requirements of this TSI;

c) new systems and processes arising from implementation of other subsystems

- new/upgraded conventional lines (infrastructure/energy),

— new or upgraded ETCS signalling installations, GSM-R radio installations, hot axle box detectors, etc. (control-command and signalling),

- new rolling stock (rolling stock).

The OPE TSI, contains requirements relating to 'operational rules', and requires Railway Undertakings (RUs) to produce a 'Driver's Rule Book' and a 'Route Book' describing the characteristics of the route over which a driver will work. In effect these obligations are discharged by a set of instructions to railway staff working for the RU. Currently on the Great Britain (GB) mainline network, RUs do not produce individual Drivers' Rule Books, but adopt a common network level Driver's Rule Book in the form of the appropriate Rule Book modules published as part of the GE/RT8000 suite of documents published by RSSB and agreed by its members. This is supplemented by any company and local instructions deemed necessary by the RU in order to address their legal obligations.

Each RU is responsible for compiling their own Driver's Rule Book and the IM is responsible for providing instructions to its staff, and there is no legal basis for insisting that they must use the Rule Book modules published as part of GE/RT8000 for this purpose.

IM and RUs are free to produce their own rule books and associated instructions should they wish to do so, based on information supplied by each other, as necessary. These documents are not imposed on IMs and RUs by the Member State and are developed collaboratively by the industry for their use. Additionally, IMs and RUs are free to supplement the rules relevant to the OPE TSI in the common rule book, with other common rules that they deem beneficial to be collectively managed at an industry level for economies of scale and coherence / consistency across the network.

There are, broadly speaking, three types of Rule Book documents:

- a) Rule Book modules containing instructions for front line operating personnel such as drivers, signallers and shunters, which apply across the mainline network and manage safety across the interface between RUs and the IM. Modules are relevant to both RU and IM staff.
- b) Signalling Regulations (TS1 to TS11) setting out the duties of signallers. These rules are of interest to RUs, but are only applicable to the IM's staff.
- c) Rule Book handbooks containing instructions that are carried out by personnel holding a particular competency in relation to staff protection, engineering activity or operation of equipment.

Additionally, there are information handbooks that do not contain rules to directly manage safety of operations, but instead contain background information on the topic covered in modules and handbooks, including instructions on the general operation of equipment.

Railway undertakings discharge their responsibilities for the production of Drivers' Rule Books by working collaboratively with the IM and producing relevant Rule Books in an efficient way: for example, an IM, need only provide information once, and not to every individual RU; the RUs have an assurance that the content of the Driver's Rule Book is 'complete and accurate' as required by section 5.1 of the OPE TSI. The GE/RT8000 suite of documents is developed in line with an industry agreed operational concept, which includes a set of fundamental operating principles, that is, the rules can be considered 'complete and accurate' if they deliver the fundamental operating principles. Similarly the OPE TSI requires:

4.2.3.4.3 Dangerous goods

The railway undertaking must define the procedures to supervise the transport of dangerous goods.

The procedures required by this clause of the OPE TSI are set out in GORT3053 Working Manual for Rail Staff: Handling and Carriage of Dangerous Goods (commonly referred in the UK as 'the pink pages').

Similarly, GORT3056 Working Manual for Rail Staff: Freight Train Operations (commonly referred to as 'the white pages') and appropriate Rule Book modules published as part of GERT8000 address any freight specific obligations.

Section 7.3.2.2 of the OPE TSI sets out the temporary specific case for the UK regarding the transition of using alphanumeric train running numbers to numeric train running numbers. (This is shown in Annex 3.)

The TSI requires the Member State to set out the requirements and time schedule for the transition to the target system. This is addressed in Annexes 1 and 2 of this document. (Annex 2 being where there is already partial alignment and only requires minor modifications to meet the target system requirements.)

Unless otherwise specified in Annexes 1, 2 or 3 of this document, in all other areas covered in the OPE TSI, the UK legislative framework and practice concerning operating rules is compliant with the OPE TSI. (This is shown in Annex 4.)

Information contained in the following Annexes are displayed in the recommended template for the national implementation plan taken from the European Rail Agency website.

Annex 1 Not Aligned

TSI OPE R	equirement	Question 1	Question 2	Question 3	Question 4	Question 5
		When has this requirement been implemented or when do you plan to be compliant with this requirement?	How is this requirement implemented in your MS?	 a) Do you have any specific National Rule (NR) that relate to this? What is the reference/title of the NR? b) Can this NR be withdrawn? If not, please explain why not 	Does this requirement mean that you need a specific case or that a specific common operational principle/rule should be developed in Appendix B or that a deficiency in the TSI should be raised?	Who is the actor responsible for this process?
4.2.2.3	Vehicle identification and Appendix H	Not aligned	Explanation: There is a working project within RSSB to review these requirements for future alignment. See detail in Appendix H	Yes □ No x Justification: • See detail in Appendix H	Deficiency: x Justification: A more detailed explanation of the work involved in project 12/030 can be found in Appendix H	RU IM IM Other x, please state: Rolling Stock

4.8.2	Rolling stock	Not aligned	Explanation: Although currently not completely aligned with the OPE/TSI, this requirements is being addressed through proposal 12/030	 Yes No x Justification: GM/RT2453 Registration of Rail Vehicles and Mandatory Data Requirements GE/RT8270 Assessment of Compatibility of Rolling Stock and Infrastructure 	Deficiency: x Justification: A more detailed explanation of the work involved in project 12/030 can be found in Appendix H	RU IM Other X, please state: Rolling Stock
C. 5	Communication terms (general)	Not aligned	Explanation: Some phrases currently used on the GB railway are not aligned with the OPE TSI	Yes □ No x Justification: • GERT8000 Rule Book G1	Deficiency: x This deficiency has been noted and incorporated into a GB railway project T1078 (Safety Communications)	RU x IM x Other □, please state:
Appendix H. 1 H. 2 H. 3 H. 4 H. 5 H. 6	Vehicle number and linked alphabetical marking on the bodywork – general provisions	Not aligned	Explanation: All of this section is being reviewed through a current project working group with a view to alignment with the OPE/TSI for GB railway	Yes D No x Justification:	Deficiency: x Active proposal 12/030 in place to address deficiencies	RU IM IM Other x, please state: Rolling Stock

Annex 2 Partially Aligned

TSI OPE Require	ment	Question 1	Question 2	Question 3	Question 4	Question 5
		When has this requirement been implemented or when do you plan to be compliant with this requirement?	How is this requirement implemented in your MS?	 c) Do you have any specific National Rule (NR) that relates to this? What is the reference/title of the NR? d) Can this NR be withdrawn? If not, please explain why not 	Does this requirement mean that you need a specific case or that a specific common operational principle/rule should be developed in Appendix B or that a deficiency in the TSI should be raised?	Who is the actor responsible for this process?
4.2.1.2.2	Driver's route book	Partially aligned	The route book is in effect the GB Sectional Appendices, although at present gradient information is not included	Yes x No • GO/RT3215 Requirements for the Weekly Operating Notice, Periodical Operating Notice and Sectional Appendix	Deficiency: x Justification: GB railway intends to ensure alignment with the OPE/TSI in the future by building on the route book to include gradient information and the IM requirements into Appendix D. The ERA has announced that it wishes to look again at Appendix	RU x IM Other , please state:

					D and align this with the register of infrastructure (RINF). For note as it may, for example, remove the need for gradient information and other fixed information from the OPE TSI	
4.7.2.2.1	After appointment – frequency of periodic medical examinations	Partially aligned	Explanation: Age limits and frequency of examination differ slightly to that shown in the OPE/TSI	Yes □ No x Justification: UK/GB practice will be aligned with the OPE TSI once the specific implications and benefits of greater frequency of tests and the process of transition necessary, becomes clearer. This will then require consultation and consensus across the industry as part of the governance associated with implementing any changes to the	N/A	RU x IM x Other □, please state:

				relevant standard. This will be progressed over the course of 2017"		
4.8	Registers of infrastructure and vehicles	Currently in place with minor future tasks to show alignment	Explanation: The information is available to meet this requirement, but is currently not captured in one place and is difficult to present a cohesive case of alignment	Yes x No 🗆 Justification:	Deficiency: x Justification: Future work reviews will look at the collation and alignment of the relevant documentation	RU IM x Other x , please state:
4.8.1	Infrastructure	Currently in place with minor future tasks to show alignment	Explanation: The Route Book Compatibility document meets the majority of these requirements although, as previously, will require updating to ensure complete alignment with OPE/TSI	Yes x No Justification:	Deficiency: x Justification: Future work reviews will look at the collation and alignment of the specific elements required for this document	RU□ IM x Other □, please state:
C. 8	Book of forms	Partly aligned	Explanation: Currently GB railway does not use a book of forms as described in the OPE/TSI, although	 Yes x No □ Justification: GB railway does have the mechanism via the Code and 	Deficiency: x As described under Justification, work will be progressed to bring this information	RU x IM x Other □, please state:

Appendix D	Elements the IM	Partly aligned	the information contained within is available in other formats/documents Explanation:	the Manual, and the Rule Book to fulfil this requirement Yes x No □	together to align with the TSI requirement. Deficiency: x	RU 🗆	IM x
	has to provide to the RU for the route book and for the train compatibility over the route intended for operation		Certain elements required for the route book are available from the IM but currently are not included in the book	Justification: • NR Route Book Compatibility document Review work in the future using this document will look at collating all the required information	Justification: The ERA has announced that it wishes to look again at Appendix D and align this with the register of infrastructure (RINF). For note as it may, for example, remove the need for gradient information and other fixed information from the OPE TSI	Other \Box , state:	

Annex 3 Specific Cases

TSI OPE Requirement	Question 1	Question 2	Question 3	Question 4	Question 5
	When has this requirement been implemented or when do you plan to be compliant	How is this requirement implemented in your MS?	e) Do you have any specific National Rule (NR) that relate to this? What is the	Does this requirement mean that you need a specific case or that a specific common	Who is the actor responsible for this process?

		with this requirement?		reference/title of the NR? f) Can this NR be withdrawn? If not, please explain why not	operational principle/rule should be developed in Appendix B or that a deficiency in the TSI should be raised?	
4.2.3.2	Identification of trains	Specific Case 7.3.2.2 Year 2024	Explanation: The format of train running numbers in the Telematics Applications for Freight (TAF TSI) TSI is NNNNN which is different to that used on the GB mainline railway which is alphanumeric	 Yes □ No x Justification: It is requested that the TSI should retain the UK specific case that permits use of alphanumeric train running numbers during the migration phase a) The long-term requirement for this specific case is dependent on the outcome of Network Rail's study on train running numbers. b) UK technical and operational systems are compatible with the use of alphanumeric train running numbers, 	Specific Case 7.3.2.2	RU x IM x Other □, please state:

				whereas European practice is to use numeric only train running numbers.		
				c) The existing UK specific case:		
				i) Does not mandate alphanumeric train running numbers.		
				ii) Allows the duty holder to use an alphanumeric keyboard for entry		
				of the train running number, if support for alphanumeric		
				train running numbers is required, in accordance with the		
				technical rule notified for this purpose		
4.2.3.2.1	Format of train running number	Specific Case 7.3.2.2 Year 2024	Explanation: The format of train running numbers in the Telematics	Yes □ No x Justification: • Explanation as described 4.2.3.2.	Specific Case 7.3.2.2	RU x IM x Other □, please state:

	Applications for Freight	
	(TAF TSI) TSI is NNNNN	
	which is different to	
	that used on the GB	
	mainline railway which	
	is alphanumeric	

Annex 4 Aligned

TSI OPE Re	equirement	Question 1	Question 2	Question 3	Question 4	Question 5
		When has this requirement been implemented or when do you plan to be compliant with this requirement?	How is this requirement implemented in your MS?	 g) Do you have any specific National Rule (NR) that relates to this? What is the reference/title of the NR? h) Can this NR be withdrawn? If not, please explain why not 	Does this requirement mean that you need a specific case or that a specific common operational principle/rule should be developed in Appendix B or that a deficiency in the TSI should be raised?	Who is the actor responsible for this process?
4.2.1.2	Documentation for drivers	Aligned	Explanation: Railway undertakings have processes in place for providing drivers with all required publications on top of national rules	 a) Yes x No Examples: Company procedures Sectional Appendices Weekly/periodic operating notices Traction manuals Route information 	N/A	RU x IM□ Other □, please state:
4.2.1.2.1	Drivers rule book	Aligned	Explanation: Railway undertakings and infrastructure managers discharge their responsibilities	Yes x No □ • GE/RT8000 Rule Book Modules + Handbooks	N/A	RU x IM x Other □, please state:

			for the production of Drivers' Rule Books through the processes set out in the Standards Manual, facilitated by RSSB			
4.2.1.2.3	Timetables	Aligned	Explanation: Railway undertakings provide drivers with the full working timetable (WTT) or by producing their own timetables or schedule cards using the information provided by the infrastructure manager	Yes x No 🗆	N/A	RU x IM x
4.2.1.2.4	Rolling stock	Aligned	Explanation: Railway undertakings have processes in place for the provision and updating of traction manuals, traction bulletins and any other instructions required for the types of rolling stock their drivers operate	Yes x No □ Justification: • GE/RT8000 TW5 Rule Book	N/A	RU x IM x
4.2.1.3	Documentation for railway undertaking staff other than drivers	Aligned	Explanation: Railway undertakings have processes in place for the provision	Yes x No Justification: Safety critical tasks undertaken by staff are	N/A	RU x IM□ Other □, please state:

			and updating of Rule Book modules, weekly and periodical operating notices, route and traction information, working manuals and freight train loads books required by each of their staff, based on the job roles they are undertaking	identified by role within the Rule Book.		
4.2.1.4	Documentation for infrastructure managers' staff authorising train movements	Aligned	Explanation: Infrastructure managers have processes in place for the provision and updating of rule book modules, weekly and periodical operating notices and any other publications necessary based on the job roles they are undertaking	Yes x No □ N Justification: • Rule Book modules	N/A	RU□ IM x Other □, please state:
4.2.1.5	Safety related communication between train crew, other railway undertaking staff and staff authorising train movements	Aligned	Explanation: Railway Group Standard GE/RT8046 Spoken Safety Communications, states: 'employees and others working on their behalf shall use	Yes x No □ N Justification: • The Network Code requires that 'all notices served under this code shall be in the English language.'	N/A	RU x IM x Other □, please state:

			the English language for spoken communications regarding the safe movement of trains on the mainline railway			
4.2.2.1.1	Train visibility – general requirement	Aligned	 Explanation: 4.2.2.1 is linked to 4.2.7.1 of the LOC&PAS TSI: ISCC - 010 Strategic direction for revised locomotive and passenger rolling stock (LOC&PAS) TSI 	 Yes x No Justification: ISCC- 010 Strategic direction for revised locomotive and passenger rolling stock (LOC&PAS) TSI GMGN2615 Guidance on the Conventional Rail Locomotives and Passenger Rolling Stock TSI 	N/A	RU IM Other x , please state: Rolling Stock
4.2.2.1.2	Front end lights	Aligned	Explanation: All new trains (and all existing trains complying with GM/RT2131 Visibility Requirements for Trains) will have three white front end lights/lamps	Yes x No □ Justification: • GM/RT2131 Visibility Requirements for Trains	N/A	Other x , please state: Rolling Stock
4.2.2.1.3	Rear end lights	Aligned	Explanation: Aligned	Yes x No □ Justification: • GM/RT2131 Visibility	N/A	RU IM Other x , please state: Rolling Stock

				Requirements for Trains		
4.2.2.1.3.1	Passenger trains	Aligned	Explanation: Aligned with the LOC&PAS TSI	Yes x No □ Justification: • Railway Group Standard GM/RT2131 Visibility Requirements for Trains	Specific case: □ N/A	RU x IM x Other □, please state:
4.2.2.1.3.2	Freight trains in international traffic	Aligned	Explanation: GB International freight has local procedures for the two red tail lights to be sited before transitioning out of GB railway	Yes x No 🗆 Justification:	N/A	RU x IM□ Other □, please state:
4.2.2.1.3.3	Freight trains not crossing a border between Member States	Aligned	Explanation: All our NTRs are notified to the commission	Yes x No □ • Justification: GM/RT2131 Visibility Requirements for Trains	N/A	RU x IM□ Other x , please state: Rolling Stock
4.2.2.2.1	Train audibility – general requirement	Aligned	Explanation: Contained in relevant national group standards	Yes x No □ Justification: • GM/RT2131 Audibility and Visibility of Trains • GM/RT2161 Requirements for	N/A	RU x IM□ Other x , please state: Rolling Stock

4.2.2.2.2	Train audibility – control	Aligned	Explanation: Contained in relevant national group standards	 Driving Cabs of Railway Vehicles Yes x No □ Justification: GM/RT2131 Audibility and Visibility of Trains GM/RT2161 Requirements for Driving Cabs of Railway Vehicles 	N/A	RU x IM□ Other x , please state: Rolling Stock
4.2.2.4.1	Safety of load	Aligned	Explanation: Various related documentation as shown plus The Railways and Other Guided Transport Systems (Safety Regulations) 2006 (ROGS) overseen by the Office of Rail and Road (ORR)	Yes x No □ Justification: • GE/RT8000 Rule Book • GO/GN3653 Guidance on Safe Freight Train Operation • GO/RT3056 Working Manual for Rail Staff Freight Operations GO/RT3053 Working Manual for Rail Staff – Handling and Carriage of Dangerous Goods	N/A	RU x IM x Other □, please state:
4.2.2.4.2	Safety of passengers	Aligned	Explanation:	Yes x No Justification:	N/A	RU x IM x

			Various related documentation as shown plus The Railways and Other Guided Transport Systems (Safety Regulations) 2006 (ROGS) overseen by the ORR	 IM's Safety Management System GE/RT8000 Rule Book RIS-3703-TOM Rail Industry Standard for Passenger Train Dispatch and Platform Safety 		Other □, please state:
4.2.2.5	Train composition	Aligned	Explanation: Various documentation held by RUs and IM, including load books and Sectional Appendices	Yes x No □ Justification: • GO/RT3407 Train Operation – Exceptional Load Documentation • GE/RT8270 Assessment of Compatibility of Rolling Stock and Infrastructure • GO/RT3056 Working Manual for Rail Staff	N/A	RU x IM x Other □, please state:
4.2.2.6.1	Minimum requirements of the braking system	Aligned	Explanation: The Railway Safety (Miscellaneous Provisions) Regulations 1997 require 'the operator of a vehicle shall ensure that a	Yes x No □ • Justification: GM/RT2045 Compatibility Requirements for Braking Systems of Rail Vehicles	N/A	RU x IM x Other □, please state:

			suitable and sufficient braking system is provided'. The Regulations of Railways Act 1889 requires that continuous brakes are provided			
4.2.2.6.2	Braking performance and maximum speed allowed	Aligned	Explanation: Apart from the documentation shown specific instructions may be contained in drivers' manuals or traction bulletins	Yes x No □ • Justification: GM/RT2045 Compatibility Requirements for Braking Systems of Rail Vehicle GE/RT8000 Rule Book • GO/RT3056 Working Manual for Rail Staff	N/A	RU x IM□ Other x, please state: Rolling Stock
4.2.2.7.1	Ensuring the train is in running order – general requirements	Aligned	Explanation: Instructions for train preparation and checks of safety systems for each type of traction are contained within traction manuals, bulletins and other operating instructions	Yes x No □ Justification: • GE/RT8000 Rule Book • GO/RT3056 Working Manual for Rail Staff	N/A	RU x IM x Other □, please state:
4.2.2.7.2	Data required	Aligned	Explanation:	Yes x No 🗆	N/A	

			The Total Operations Processing System (TOPS) has been developed for the management and control of freight vehicles and locomotives	Justification: • GO/RT3436 Information for Safe Train Operation	Other □, please state:
4.2.2.8	Requirements for signal and lineside marker signalling	Aligned	Explanation: Various documentation available to fulfil this requirement	Yes x No □ N/A Justification: • GM/RT2161 Requirements for Driving Cabs of Railway Vehicles • • GI/RT7033 Lineside Operational Safety Signs • GE/RT8034 Maintenance of Signal Visibility • GE/RT8037 Signal Positioning and Visibility	RU x IM x Other □, please state:
4.2.2.9	Driver vigilance	Aligned	Explanation: Most trains on the GB railway are generally aligned through the relevant standard shown	Yes x No □ N/A • Justification: GM/RT2185 Train Safety Systems	RU x IM□ Other x, please state: Rolling Stock

4.2.3.1	Train planning	Aligned	Explanation: Network licence conditions include specific obligations for the IM	Yes x No □ Justification: • Guidelines produced by the ORR	N/A	RU x IM□ Other □, please state:
4.2.3.3.1	Checks and tests before departure	Aligned	Explanation: Apart from the stated documentation, local working instructions can also be found in Sectional Appendices, company specific operating instructions, station working instructions and signal box working instructions	 Yes x No □ Justification: GO/RT3056 Working Manual for Rail Staff GE/RT8000 Rule Book GO/GN3653 Guidance on Safe Freight Train Operation RIS-3703-TOM Rail Industry Standard for Passenger Train Dispatch and Platform Safety 	N/A	RU x IM Other , please state:
4.2.3.3.2	Informing the infrastructure manager of the trains operational status	Aligned	Explanation:	 Yes x No □ Justification: GE/RT8000 Rule Book GO/RT3437 Defective On-Train Equipment 	N/A	RU x IM x Other □, please state:

4.2.3.4.1	Traffic management – general requirements	Aligned	Explanation: This is covered in various national control instructions as shown	 Yes x No Justification: NR/L2/OCS/009 Network Capability Management Procedure NR/L3/OCS/043/1.7 National Control Instructions 	N/A	RU x IM x Other □, please state:
4.2.3.4.2.1	Train reporting – data required for train position reporting	Aligned	Explanation: For the GB mainline railway this requirement is met by the Train Running Systems TOPS (TRUST)	Yes x No 🗆 Justification:	N/A	RU x IM x Other □, please state:
4.2.3.4.2.2	Predicted handover time	Aligned	Explanation: This is covered in various national control instructions as shown	Yes x No □ • Justification: NR/L3/OCS/043/4.2. Train Regulation Policy		RU□ IM x Other □, please state:
4.2.3.4.3	Dangerous goods	Aligned	Explanation: This requirement is met by arrangements in various documentation. The main documents are shown in the justification	Yes x No □ Justification: • GO/RT3421 Dangerous Goods – Rail Conditions of Acceptance • GO/RT3421 Dangerous Goods – Rail Conditions of Acceptance		RU x IM x Other □, please state:

				GO/RT3053 Working Manual for Rail Staff		
4.2.3.4.4	Operational quality	Aligned	Explanation: The IM manages incidents contained in National Control Instructions. National standards are used by both the IM and RU as shown	Yes x No □ Justification: NR/L3/OCS/043/4.1 National Control Instructions GE/RT8047 NR/L2/OCS/250 Network Rail National Emergency Plan Reporting of Safety Related Information GO/RT3350 Communication of Urgent Operating Advice Railway Group Standard GO/RT3118 Incident Response Planning and Management	N/A	RU x IM x Other □, please state:
4.2.3.5	Data recording	Aligned	Explanation: Included in documentation as shown	Yes x No □ Justification: • GM/RT2472 Requirements for Data Recorders on Trains	N/A	RU x IM x Other □, please state:

4.2.3.5.1	Recording of supervision data outside the train	Aligned	Explanation: Arrangements in documentation as shown meets this requirement	Yes x No □ Justification: • GE/RT8106 Management of Safety Related Control, Command and Signalling (CCS) System Failures • GE/RT8014 Axle box Condition Monitoring • GE/RT8046 Spoken Safety Communications. • GK/RT0094 Train Voice Radio Systems NR/L3/OCS/043/3.9 National Control Instructions	N/A	RU x IM x Other □, please state:
4.2.3.5.2	Recording of supervision data on- board the train	Aligned	Explanation: RUs meet this requirement by complying with GM/RT2472 Requirements for Data Recorders on Trains	Yes x No □ Justification: • GM/RT2472 Requirements for Data Recorders on Trains	N/A	RU x IM Other , please state:
4.2.3.6.1	Degraded operation – advice to other users	Aligned	Explanation: Various documentation as shown meets this requirement	Yes x No □ Justification: • GE/RT8047 Reporting of Safety Related Information.	N/A	RU x IM x Other □, please state:

				 GE/RT8250 Reporting High Risk Defects. GO/RT3350 Communication of Urgent Operating Advice. National Control Instructions 2.4 Railway Operational Code (ROC) 		
4.2.3.6.2	Degraded operation – advice to train drivers	Aligned	Explanation: Documentation as shown contains instructions for drivers on how to give and receive advice	Yes x No □ Justification: • GE/RT8000 Rule Book modules	N/A	RU x IM x Other □, please state:
4.2.3.6.3	Degraded operation – contingency arrangements	Aligned	Explanation: The IM and RU have defined procedures to meet this requirement in the documentation as shown	 Yes x No □ Justification: GO/RT3437 Defective On-Train Equipment GE/RT8000 Rule Book NR/L1/RMVP/001 Network Rails Plant and Traction and Rolling Stock (T&RS) Policy NR/L2/OCS/009 Network Capability 	N/A	RU x IM x Other □, please state:

			 Management Procedure Network Rail National Control Instructions GO/GN3637 Guidance on Defective On-Train Equipment 		
Managing an emergency situation	Aligned	Explanation: The IM and RU have defined procedures to meet this requirement in the documentation as shown	 Yes x No □ Justification: GO/RT3118 Incident Response Planning and Management GO/RT3119 Accident and Incident Investigation GE/RT8000 Rule Book modules GO/RT3053 Working Manual for Rail Staff – Handling and Carriage of Dangerous Goods NR/L2/OCS/250 Network Rail National Emergency Plan GO/GN3518 Guidance on Incident Response 	N/A	RU x IM x Other □, please state:

				 Planning and Management GO/GN3519 Guidance on Accident and Incident Investigation GM/RT2130 Vehicle Fire, Safety and Evacuation 		
4.2.3.8	Aid to train crew in the event of an incident or of a major rolling stock malfunction	Aligned	Explanation: GE/RT8000 Rule Book contains instructions on the management of trains during degraded situations. Supporting documentation as shown also meets this requirement	Yes x No 🗆 Justification:	N/A	RU x IM x Other □, please state:
4.6.1	Professional competence for staff undertaking safety critical tasks associated when accompanying a train	Aligned	Explanation: Dealt with in Appendices F and G	Yes x No □ Justification: • Detail in Appendices F & G	N/A	RU x IM x Other □, please state:

4.6.2.1	Language competence - principles	Aligned	Explanation: Detailed in the 'Conditions for Obtaining Certification' section of the documentation as shown	Yes x No □ Justification: • The Train Driving Licences and Certificates Regulations 2010	N/A	RU x IM x Other □, please state:
4.6.2.2	Language competence – level of knowledge and Appendix E	Aligned	Explanation: Detailed in the 'Language Tests' section of the documentation as shown	Yes x No □ Justification: • The Train Driving Licences and Certificates Regulations 2010 • Detail in Appendix E	N/A	RU x IM x Other □, please state:
4.6.3.1	Initial and ongoing assessment of staff – basic elements	Aligned	Explanation: IM and RUs use the basic principles contained within the Railway Safety Publication 'Developing and Maintaining Staff Competence' produced by the ORR to support the measures within their own Competence Management Systems	 Yes x No □ Justification: RSSB Good Practice Guide RS100 on Competence Development RIS-3751-TOM for Train Driver Selection The Train Driving Licences and Certificates Regulations 2010 	N/A	RU x IM x Other □, please state:

4.6.3.2	Analysis and update of training needs	Aligned	Explanation: IM and RUs use the basic principles contained within the Railway Safety Publication 'Developing and Maintaining Staff Competence' produced by the ORR to support the measures within their own Competence Management Systems	 Yes x No □ Justification: RSSB Good Practice Guide RS100 on Competence Development RIS-3751-TOM Train Driver Selection The Train Driving Licences and Certificates Regulations 2010 	N/A	RU x IM x Other □, please state:
4.6.4	Auxiliary staff	Aligned	Explanation: IM and RU include provisions for the training and development of on- board staff within their own Competence Management Systems	Yes x No Justification:	N/A	RU x IM x Other □, please state:
4.7.1	Health and safety conditions – introduction	Aligned	Explanation: Supporting documentation as shown to comply with The Health and Safety at Work Act 1974	Yes x No □ Justification: • GO/RT3451 Train Movement – Train Drivers - Suitability and Medical Fitness Requirements • GO/RT3452 Train Movement -	N/A	RU x IM x Other □, please state:

			 Medical Fitness Requirements GE/RT8070 Testing Railway Safety Critical Workers The Train Driving Licences and Certificates Regulations 2010 		
4.7.2.1 Medical exam and psycholog assessments - appointment	gical	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: GO/RT3451 Train Movement – Train Drivers - Suitability and Medical Fitness Requirements GO/RT3452 Train Movement - Medical Fitness Requirements GO/GN3655 Guidance on Medical Fitness for Railway Safety Critical Workers GE/RT8070 Testing Railway Safety Critical Workers GO/GN8570 Guidance on the	N/A	RU x IM x Other □, please state:

				Management of Drugs and Alcohol The Train Driving Licences and Certificates Regulations 2010		
4.7.2.2.2	Minimum content of periodic medical examination	Aligned	Explanation: The minimum content of medicals to meet this requirement are defined in the documents shown	 Yes x No □ Justification: NR/L2/OHS/00124 The Train Driving Licences and Certificates Regulations 2010 GO/RT3451 Train Movement – Train Drivers - Suitability and Medical Fitness GO/RT3452 Train Movement - Medical Fitness Requirements GO/GN3655 Medical Fitness for Railway Safety Critical Workers GE/RT8070 Testing Railway Safety Critical Workers GO/GN8570 Guidance on the 	N/A	RU x IM x Other □, please state:

4.7.2.2.3	Additional medical examinations and/or psychological assessments	Aligned	Explanation: Documentation in support of this requirement as shown	Management of Drugs and Alcohol NR/L2/OHS/018 Supplier requirements for approval of medical assessments NR/L1/OHS/051 Drugs and Alcohol Policy NR/L2/OHS/00124 Competence Specific Medical Fitness Requirement Yes x No □ Justification: The Train Driving Licences and Certificates Regulations 2010 GE/RT8070 Testing Railway Safety Critical Workers GO/GN8570 Guidance on the Management of Drugs and Alcohol	RU x IM x Other □, please state:
4.7.3.1	Medical requirements – general requirements	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ N/A Justification: • GO/RT3451 Train Movement – Train	RU x IM x Other □, please state:

			 Drivers - Suitability and Medical Fitness GO/RT3452 Train Movement - Medical Fitness Requirements GO/GN3655 Guidance on Medical Fitness for Railway Safety Critical Workers The Train Driving Licences and Certificates Regulations 2010 		
4.7.3.2	Vision requirements Aligned	Explanation: Documentation in support of this requirement as shown	 Yes x No Justification: GO/RT3451 Train Movement – Train Drivers - Suitability and Medical Fitness GO/RT3452 Train Movement - Medical Fitness Requirements The Train Driving Licences and Certificates Regulations 2010 	N/A	RU x IM x Other □, please state:

4.7.3.3	Hearing requirements	Aligned	Explanation: Documentation in support of this requirement as shown	 Yes x No Justification: GO/RT3451 Train Movement - Train Drivers - Suitability and Medical Fitness GO/RT3452 Train Movement - Medical Fitness Requirements The Train Driving Licences and Certificates Regulations 2010 	N/A	RU x IM x Other □, please state:
App. A 5.1.1	Cab Signalling	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GE/RT8000 Rule Book	NON- HARMONISED	RU x IM Other , please state:
A 5.1.2	Knowledge of operating level	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GE/RT8000 Rule Book • Degraded Workshop requirement: 'Signaller to have visibility of Level / Mode of all trains'	N/A	RU x IM x Other □, please state:
A 5.1.3	Observance of signalling	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GE/RT8000 Rule Book	N/A	RU x IM x Other □, please state:

A 5.1.4	INTENTIONALLY BLANK					
A 5.1.5	INTENTIONALLY BLANK					
A 5.1.6	Authorisation to start a movement in SR	Aligned	Explanation: Documentation in support of this requirement as shown. Will continue to monitor via EIM/CER involvement in European working groups	Yes x No □ Justification: • Rule Book GE/RT8000 and User Procedures	N/A	RU x IM x Other x, please state:
A 5.1.7	Speed restriction in SR	Aligned	Explanation: Awaiting outcome of Appendix C review and will align accordingly	Yes x No 🗆 Justification:	N/A	RU x IM x Other x , please state:
A 5.1.8	Authorisation to pass an EOA	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No Justification: Degraded Workshop Requirement: 'Driver and Signaller rules to cover use of SR and Written Orders'	N/A	RU x IM x Other □, please state:
A 5.1.9	Trains / shunting movements being tripped	Aligned	Explanation: Awaiting outcome of Appendix C review and will align accordingly	Yes x No 🗆 Justification:	N/A	RU x IM x Other x , please state:
A 5.2	Principles for GSM-R	Aligned	Explanation: Currently blank in OPE/TSI	Yes x No 🗆 Justification:	NON- HARMONISED	RU x IM x Other □, please state:
App. A 6.1	Putting the ETCS on- board into service	Aligned	Explanation: Not clearly defined at all levels. Will be taken	Yes x No Justification: • User Procedures	NON- HARMONISED	RU x IM Other , please state:

A 6.2	Preparing a movement	Aligned	into account in future development of ETCS and align accordingly Explanation: Not at all levels but will align	Yes x No Justification: Currently being developed in workshops and will align accordingly as levels are implemented on the GB railway	NON- HARMONISED	RU x IM x Other □, please state:
A 6.2.1	The traction unit has to move as a train	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: No current plans to offer SR from the trackside for GB application	N/A	RU x IM x Other □, please state:
A 6.2.2	The traction unit has to move in SH	Aligned	Explanation:	Yes x No □ Justification: • GSM-R User Procedures • Requirement included in Degraded Workshop	NON- HARMONISED	RU x IM x Other □, please state:
A 6.2.3	The traction unit has to move in NL	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification:	NON- HARMONISED	RU x IM x Other □, please state:

A 6.2.4	The traction unit has to move as a train and an acknowledgement for SR is requested	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: Currently not intending to use	NON- HARMONISED	RU x IM x Other x , please state:
A 6.3.1	Manual entry into SH	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures • Requirement included in Degraded Workshop	NON- HARMONISED	RU x IM Other , please state:
A 6.3.2	Automatic entry into SH	Aligned	Explanation: See Documentation in support of this requirement as shown	 Yes x No Justification: GSM-R User Procedures Requirement included in Degraded Workshop 	N/A	RU x IM x Other □, please state:
A 6.3.3	Running in SH	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures • Requirement included in Degraded Workshop	NON- HARMONISED	RU I IM x Other I, please state:
A 6.3.4	Maintain SH when changing the cab	Aligned	Explanation: See justification>	Yes x No Justification: Incorporated into Future Rules Review Group.	N/A	RU IM x Other x, please state:

				GB railway would not prohibit this if it was available. If we have it we will use it		
A 6.3.5	Exit from SH	Aligned	Explanation: See justification>	Yes x No Justification: Requirements to prohibit leaving traction units unattended in PS mode currently being developed in workshop	N/A	RU x IM x Other □, please state:
A 6.3.6	SH not granted	Aligned	Explanation: See justification>	Yes x No Justification: Training and competence Included in Future Rules Review Group work and Digital Rail Operations Requirements Specification	NON- HARMONISED	RU IM x Other x , please state:
A 6.3.7	Passing a defined border of a shunting area	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No 🗆 Justification:	NON- HARMONISED	RU IM x Other x , please state:
A 6.4.1	Entering data during train preparation	Aligned	Explanation: See justification>	Yes x No Justification: There is no role in the GB railway as a recognised train	N/A	RU x IM□ Other x, please state:

				preparer. This role is performed by drivers and is aligned though training requirements. Only when the train is about to be moved is the pre-configured data available, which drivers can modify		
A 6.4.2	Manual change of data	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures • Requirement included in Degraded Workshop	N/A	RU x IM x Other □, please state:
A 6.4.3	Change of data by ETCS external sources	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: No known plans in UK to implement this at the present time. Question if this is part of design choice or not	N/A	RU IM CONTRACT I DONTRACT I DONTRACTINACTI INTENTI A CONTRACT I DONTRACTACTINACTI INTENTACTI INTENTI CONTRACT I DONTRACTINACTINACTINACTINA
A 6.5	INTENTIONALLY BLANK					
A 6.6	INTENTIONALLY BLANK					
A 6.7.1	Announcement level 0	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures	NON- HARMONISED	RU□ IM x Other x , please state:

A 6.7.2	Acknowledgment L.0	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures	NON- HARMONISED	RU IM Other x, please state:
A 6.7.3	Running L.O	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures	NON- HARMONISED	RU IM x Other x , please state:
A 6.8.1	Announcement level 1	Aligned	Explanation: See justification>	Yes x No Justification: Currently being developed in workshop	N/A	RU x IM x Other □, please state:
A 6.8.2	Acknowledgment L.1	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures	N/A	RU x IM x Other □, please state:
A 6.8.3	Running L.1	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures	N/A	RU x IM x Other □, please state:
A 6.9.1	Announcement level 2	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures	N/A	RU x IM x Other □, please state:

A 6.9.2	Acknowledgment L.2	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures	N/A	RU x IM x Other □, please state:
A 6.9.3	Running L.2	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures	N/A	RU x IM x Other □, please state:
A 6.10.1	Announcement level 3	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No □ Justification:	N/A	RU IM Other x, please state:
A 6.10.2	Acknowledgment L.3	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No 🗖 Justification:	N/A	RU IM Other x, please state:
A 6.10.3	Running L.3	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No 🗖 Justification:	N/A	RU IM Other x, please state:
A 6.11.1	Announcement level NTC	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No Justification: • GSM-R User Procedures	NON- HARMONISED	RU x IM x Other □, please state:

A 6.11.2	Acknowledgment NTC	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: Training and competence	N/A	RU x IM x Other x , please state:
A 6.11.3	Running NTC	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: Training and competence	NON- HARMONISED	RU x IM x Other x , please state:
A 6.12	Running in FS	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • User procedures	N/A	RU IM Other x, please state:
A 6.13	Running in OS	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • User Procedures	N/A	RU x IM x Other \Box , please state:
A 6.14	Running in SR	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • User Procedures	N/A	RU x IM x Other □, please state:
A 6.15	Running in LS	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: No LS lines on GB railway	NON- HARMONISED	RU x IM x Other x , please state:
A 6.16	Running in UN	Aligned	Explanation: See justification>	Yes x No □ Justification: • User Procedures	NON- HARMONISED	RU x IM x Other □, please state:

A 6.17	Running in SN	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: Requires further work if required on GB railway	NON- HARMONISED	RU x IM x Other x , please state:
A 6.18	Approaching an EOA with a release speed indication	Aligned	Explanation: See justification>	Yes x No □ Justification: • User Procedures	N/A	RU x IM x Other □, please state:
A 6.19	Managing a track ahead free request	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No □ Justification: • Facility G reference design for national application	N/A	RU x IM x Other x , please state:
A 6.20	Passing a section with lowered pantograph(s)	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: Requires further work if required on GB railway. Training and competency	N/A	RU x IM x Other x , please state:
A 6.21	Changing the electrical power supply	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: Requires further work if required on GB railway	N/A	RU□ IM x Other x , please state:
A 6.22	Passing a section with main power switched off	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: Requires further work if required on GB railway	N/A	RU x IM x Other x, please state:

A 6.23	Passing a non-stopping	Aligned	Requires further work if required on GB railway Explanation:		N/A	
A 0.23	area	Alighed	Will align if and when requirement is implemented on GB railway	Yes x No Justification: It is currently proposed to not use non-stopping areas		RU x IM□ Other x, please state:
A 6.24	Passing a section with inhibition of magnetic shoe brake	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: It is currently proposed to not use this function	N/A	RU x IM Other x , please state:
A 6.25	Passing a section with inhibition of eddy current brake	Aligned	Explanation:	Yes x No Justification: It is currently proposed to not use this function	N/A	RU x IM Other x , please state:
A 6.26	Passing a section with inhibition of regenerative brake	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: Requires further work if required on GB railway	N/A	RU x IM□ Other x, please state:
A 6.27	Passing a pressure seal section	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: It is currently proposed to not use the airtightness function	N/A	RU x IM Other x , please state:

A 6.28	Sounding an audible warning device	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GE/RT8000 Rule Book	NON- HARMONISED	RU x IM x Other x , please state:
A 6.29	Changing of adhesion factor	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No 🗖 Justification:	NON- HARMONISED	RU IM x Other x , please state:
A 6.30	Passing a radio hole	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • User Procedures	NON- HARMONISED	RU □ IM x Other □, please state:
A 6.31	Entering an occupied track section within a station	Aligned	Explanation: See justification>	Yes x No □ Justification: Rules may need checking and modifying to ensure confirmation	NON- HARMONISED	RU □ IM x Other □, please state:
A 6.32.1	Entry into NL	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No □ Justification:	NON- HARMONISED	RU x IM □ Other □, please state:
A 6.32.2	Performing the tandem movement	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: Currently being developed in workshop. Tandem working rules for ETCS operations	NON- HARMONISED	RU x IM □ Other □, please state:

A 6.32.3	Exit from NL	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No □ Justification:	NON- HARMONISED	RU x IM x Other □, please state:
A 6.33	Revoking an authorisation for ERTMS train movement	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures • Requirement included in Degraded Workshop • GE/RT8000 Rule Book	NON- HARMONISED	RU □ IM x Other □, please state:
A 6.34.1	To protect the trains	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GE/RT8000 Rule Book	NON- HARMONISED	RU 🗆 IM x Other 🗆, please state:
A 6.34.2	To restart the trains	Aligned	Explanation: See justification>	Yes x No Justification: Currently being developed in workshop	NON- HARMONISED	RU x IM □ Other □, please state:
A 6.34.3	To protect and restart shunting movements	Aligned	Explanation: See justification>	Yes x No Justification: Currently being developed in workshop. Communication with Person In Charge still required	NON- HARMONISED	RU x IM x Other □, please state:

A 6.35	Stopping in a safe area	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: Requires further work if required on GB railway. Assume this is intended for aligning to evacuation points in sub-surface railways?	N/A	RU x IM□ Other x , please state:
A 6.36	Propelling in RV	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: Currently not allowed on GB railway	N/A	RU IM Other x, please state:
A 6.36.1	Preparing the movement to be performed in RV	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: Currently not allowed on GB railway	N/A	RU IM Other x, please state:
A 6.36.2	Running in RV	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: Currently not allowed on GB railway	NON- HARMONISED	RU□ IM x Other x , please state:
A 6.36.3	Exceeding the permitted distance in RV	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: Currently not allowed on GB railway	N/A	RU IM Other x, please state:
A 6.36.4	Exit from RV	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: Currently not allowed on GB railway	N/A	RU IM Other x, please state:

A 6.37	Reacting to unintentional movements	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: This feature is not being displayed on GB railway. If required further work will be required to align.	NON- HARMONISED	RU x IM□ Other x , please state:
A 6.38	Managing route unsuitability	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No Justification: • User Procedures	NON- HARMONISED	RU □ IM x Other □, please state:
A 6.39	Authorising the passing of an EOA	Aligned	Explanation: Awaiting outcome of Appendix C review and will align accordingly	Yes x No Justification: Will require further work to clarify	N/A	RU I IM x Other I, please state:
A 6.40	Reacting to unexpected situations when preparing a train movement	Aligned	Explanation: Although no specific situations defined in the OPE/TSI, documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures	N/A	RU □ IM x Other □, please state:
A 6.40.1	The traction unit has to move as a train but an acknowledgement for SH is requested	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • User Procedures	NON- HARMONISED	RU □ IM x Other □, please state:
A 6.40.2	The train is rejected	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: Currently this indication has not been seen on GB railway	NON- HARMONISED	RU IM x Other x , please state:

A 6.41	Responding to a trip	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • User Procedures	N/A	RU x IM x Other □, please state:
A 6.41.1	Immediate measures	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • User Procedures	NON- HARMONISED	RU □ IM x Other □, please state:
A 6.41.2	To continue running	Aligned	Explanation: Awaiting outcome of Appendix C review and will align accordingly	Yes x No Justification: Currently being developed in workshop	NON- HARMONISED	RU □ IM x Other □, please state:
A 6.41.3	No movement required after a trip	Aligned	Explanation: Awaiting outcome of Appendix C review and will align accordingly	Yes x No □ Justification: • GE/RT8000 Rule Book	N/A	RU x IM x Other x , please state:
A 6.41.4	Trip in SH when passing a defined border of a shunting area	Aligned	Explanation: Documentation in support of this requirement as shown	 Yes x No □ Justification: Requirement included in Degraded Workshop GE/RT8000 Rule Book 	NON- HARMONISED	RU □ IM x Other □, please state:
A 6.42	Managing a trackside malfunction	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • Requirement included in Degraded Workshop • GE/RT8000 Rule Book	N/A	RU x IM x Other □, please state:

A 6.43	Managing incompatibility between trackside and ETCS on-board	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • Requirement included in Degraded Workshop • GE/RT8000 Rule Book	NON- HARMONISED	RU □ IM x Other □, please state:
A 6.44.1	If in FS, OS or LS	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No 🗆 Justification:	NON- HARMONISED	RU □ IM x Other □, please state:
A 6.44.2	If in SR	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: Currently not seen on GB railway and not covered in GB procedures	NON- HARMONISED	RU □ IM x Other □, please state:
A 6.45	Managing a balise read error	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • Requirement included in Degraded Workshop • User Procedures	NON- HARMONISED	RU □ IM x Other □, please state:
A 6.46.1	If the train has been tripped	Aligned	Explanation: See justification>	Yes x No Justification: Currently being developed in workshop -rules to consider	NON- HARMONISED	RU □ IM x Other □, please state:

A 6.46.2	If in SR	Aligned	Explanation: See justification>	transition failure and use of manual transition Yes x No □ Justification: Currently being developed in workshop- rules to consider transition failure and use of manual transition	N/A	RU x IM x Other □, please state:
A 6.46.3	In all other cases	Aligned	Explanation: See justification>	Yes x No Justification: Currently being developed in workshop - failure to transition due to the unavailability of Level 2 in a signals away environment is not covered	NON- HARMONISED	RU □ IM x Other □, please state:
A 6.47	Managing absence of RBC information	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • Requirement included in Degraded Workshop • User Procedures	N/A	Other □, please state:
A 6.48	Managing a radio communication failure	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: Parts A and B currently not seen on GB railway	NON- HARMONISED	RU □ IM x Other □, please state:

A 6.49	Managing a failure of self-test	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • User Procedures	NON- HARMONISED	RU □ IM x Other □, please state:
A 6.50	Managing a failure affecting the on-board radio equipment	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GE/RT8000 Rule Book • User Procedures	NON- HARMONISED	RU x IM x Other □, please state:
A 6.50.1	During the preparation of the traction	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GE/RT8000 Rule Book • User Procedures	NON- HARMONISED	RU □ IM x Other □, please state:
A 6.50.2	While running	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GE/RT8000 Rule Book • User Procedures	NON- HARMONISED	RU □ IM x Other □, please state:
A 6.51	Managing a DMI with a blank screen	Aligned	Explanation: Documentation in support of this requirement as shown	 Yes x No □ Justification: Requirement included in Degraded Workshop RIS 3780 TOM User Procedures 	NON- HARMONISED	RU x IM x Other □, please state:
A 6.52	Managing a system failure	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • Requirement included in Degraded Workshop • User Procedures	NON- HARMONISED	RU x IM x Other □, please state:

A 6.53	Managing an NTC failure	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • RIS 3780 TOM • GE/RT8000 Rule Book	NON- HARMONISED	RU□ IM x Other x , please state:
A 6.54	Managing a VBC	Aligned	Explanation: Will align if and when requirement is implemented on GB railway	Yes x No Justification: Currently not proposed to use Virtual Balise Cover (VBC)	NON- HARMONISED	RU x IM x Other x, please state:
Α7	GSM-R Rules	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures	N/A	RU x IM x Other □, please state:
A 7.1	Selecting the GSM-R mode	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification • GSM-R User Procedures	N/A	RU x IM x Other □, please state:
A 7.2	Entering the functional number	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures	N/A	RU x IM x Other □, please state:
A 7.3	Selecting the GSM-R network at a border crossing	Aligned	Explanation: Will align if and when requirement is implemented on GB railway If we use it	Yes x No Justification: Requires further work if required on GB railway	N/A	RU x IM x Other x , please state:
A 7.4	Performing a de- registration	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures	NON- HARMONISED	RU x IM □ Other □, please state:

A 7.5	INTENTIONALLY BLANK	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No Justification: GSM-R User Procedures	N/A	RU x IM x Other □, please state:
A 7.6	Managing a failure of self-test	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures • RIS 3780 TOM	NON- HARMONISED	RU x IM 🗆 Other 🗆, please state:
A 7.7	Managing a lack of network	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures • RIS 3780 TOM	NON- HARMONISED	RU 🗆 IM x Other 🗆, please state:
A 7.8	Managing a failure of the GSM-R on-board whilst running	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures • RIS 3780 TOM	NON- HARMONISED	RU x IM x Other □, please state:
A 7.9	Managing a failure of de-registration	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures	N/A	RU x IM x Other □, please state:
A 7.10	Taking measures in case the functional number is not available	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures	N/A	RU x IM x Other □, please state:

A 7.11	Taking measures in case the functional number is already used	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures	N/A	RU x IM x Other □, please state:
A 7.12	Managing a failure while entering a functional number	Aligned	Explanation: Documentation in support of this requirement as shown	Yes x No □ Justification: • GSM-R User Procedures	N/A	RU x IM x Other 🗆, please state:
Appendix B.1	Sanding	Aligned	Explanation: We are compliant as the OPE/TSI applies to a train equipped with a manual activated sanding device for which we are compliant and the automatic sanding device stated in the RIS is not reflected in the TSI. (Automatic sanders are isolated when defective as opposed to being switched to manual.)	Yes x No Justification: • GMRT2461	N/A	RU IM Other , please state:
B.2	Departure of a train	Aligned	Covered in the Rule Book modules as shown. S7 and SS1	Yes x No □ Justification: • GO/RT3056 Working Manual for Rail Staff	N/A	RU x IM□ Other □, please state:

				 GE/RT8000 Rule Book S7 and SS1 GO/GN3653 Guidance on Safe Freight Train Operation RIS-3703-TOM Rail Industry Standard for Passenger Train Dispatch and Platform Safety 		
B.3	No authorisation of train movement	Aligned	Covered in the Rule Book modules as shown	Yes x No □ Justification: • GE/RT8000 Rule Book S4 & TW1	N/A	RU x IM□ Other □, please state:
B.4	Complete failure of front end lights	Aligned		Yes x No □ Justification: • GERT8000 Rule Book TW5 • GORT3437 • GOGN3637	N/A	RU x IM□ Other □, please state:
B.5	Complete failure of rear end signal	Aligned	Covered in the Rule Book modules as shown	Yes x No □ Justification: • GERT8000 Rule Book TW5 and within the Train Signalling (TS) series of modules.	N/A	RU x IM□ Other □, please state:

B.6	Failure of the audible warning device of a train	Aligned	Covered in the Rule Book modules as shown	Yes x No □ Justification: • GERT8000 Rule Book TW5	N/A	RU x IM□ Other □, please state:
B.7	Failure of a level crossing	Aligned	Explanation:	Yes x No □ Justification: • GERT8000 Rule Book TW5, TW and TW9	N/A	RU x IM x Other □, please state:
B. 8	Failure of radio communication	Aligned	Explanation: Risk work supporting guidance contained in RIS 3780-TOM is being presented to CER in support of OPE/TSI requirement	Yes x No □ Justification: • GERT8000 Rule Book TW5 RIS-3780-TOM	N/A	RU x IM x Other □, please state:
B. 9	Running on sight	Aligned	We are currently aligned as no 'On Sight' speed is stated in the OPE/TSI	Yes x No □ Justification: • GERT8000 Rule Book TW1	N/A	RU x IM x Other □, please state:
B. 10	Assistance to a failed train	Aligned	Covered in the Rule Book module as shown	Yes x No □ Justification: • GERT8000 Rule Book TW1	N/A	RU x IM□ Other □, please state:

B .11	Authorisation to pass a	Aligned	Covered in the Rule	Yes 🗴 No 🗆	N/A	RUx IM□
	signal showing a stop aspect/indication		Book module as shown	• Justification: GERT8000 Rule Book S5		Other □, please
D 40					N1/A	state:
B. 12	Anomalies in lineside	Aligned	Explanation:	Yes 🗴 🛛 🗆	N/A	RU x IM x
	signalling		Covered in the Rule	Justification:		Other \Box , please
			Book module as shown	GERT8000 Rule Book S7		state:
B. 13	Emergency call	Aligned	Explanation:	Yes x No 🗆	N/A	RU x IM x
				Justification:		Other □, please
				GERT8000 Rule Book		state:
				TW1		
				 Signaller's 		
				Instructions		
B. 14	Immediate actions to	Aligned	Explanation: Covered	Yes 🗴 🛛 No 🗆	N/A	RU x IM x
	prevent danger to		in the Rule Book	Justification:		Other □, please
	trains		module as shown	GERT8000 Rule Book		state:
				G1, TW1 & TS1.		
				Handbook 1		
C. 1	N/A	Aligned			N/A	
C. 2	Communication	Aligned	Explanation:	Yes 🗴 🛛 No 🗆	N/A	RU x IM x
	structure		Covered in the Rule	Justification:		Other □, please
			Book module as shown	GERT8000 Rule Book		state:
				G1		
C. 3	Communication	Aligned	Explanation:	Yes 🗴 🛛 No 🗆	N/A	RU x IM x
	methodology		Covered in the Rule	Justification:		Other □, please
			Book module as shown	GERT8000 Rule Book		state:
				G1		
C. 4	Communication rules	Aligned	Explanation:	Yes x No 🗆	N/A	RUX IMX

C. 6	Written orders	Aligned	Covered in the Rule Book module as shown. Awaiting App. C review Explanation: Awaiting outcome of Appendix C review and will align accordingly	Justification: • GERT8000 Rule Book G1 Yes x No I N Justification:	N/A	Other □, please state: RU x IM x Other □, please state:
C. 7	Terms (written orders)	Aligned	Explanation: GB railway project T1078 (Safety Communications) will take into account forthcoming App. C review	Yes x No □ N Justification: • GERT8000 Rule Book	N/A	RU x IM x Other □, please state:
C. 9	Glossary	Aligned	Explanation: The Rule Book glossary produced by RSSB is used	Yes x No □ Justification: • GERT8000 Glossary • Might require minor amendments when Appendix C has been reviewed		RU x IM x Other □, please state:
Appendix E	Language and communication level. Oral qualification in a language can be	Aligned	Explanation: Elements contained in level three of the language table are met through GB railway selection criteria		N/A	RU x IM x Other □, please state:

	subdivided into five levels:					
Appendix F1	Minimum elements relevant to professional qualification for the tasks associated with 'accompanying trains' – general requirements	Aligned	Explanation: GB railway through the competency arrangements in the safety management system of operators. This is enshrined in law, and ROGS, overseen by the ORR	 Yes x No □ Justification: GORT8000, Module G1, 1.1 Handbook 1, 2.1. Driver Licensing directive 2010 Railway and Other Guided Transport Systems (Safety) Regulations 2006 	N/A	RU x IM x Other □, please state:
F2	Professional knowledge	Aligned	Explanation: As F1	 Yes x No □ Justification: Driver Licensing directive 2010 Railway and Other Guided Transport Systems (Safety) Regulations 2006 	N/A	RU x IM x Other □, please state:
F3	Ability to put the knowledge into practice	Aligned	Explanation: As F1	Yes x No □ Justification: • Driver Licensing directive 2010	N/A	RU x IM x Other □, please state:

				 Railway and Other Guided Transport Systems (Safety) Regulations 2006 		
G	Minimum elements relevant to professional qualification for the tasks of preparing trains – general requirements	Aligned	Explanation: As F1	 Yes x No □ Justification: Driver Licensing directive 2010 Railway and Other Guided Transport Systems (Safety) Regulations 2006 	N/A	RU x IM x Other □, please state:
Appendix I	List of open points	Aligned	Explanation: Alignment as shown in Appendix B section		N/A	N/A
Appendix J	Glossary (Definitions and Abbreviations)	Aligned	Explanation:	Yes x No 🗆	Deficiency: x Definitions will be monitored to ensure alignment with any future changes to OPE/TSI definitions	RU x IM x Other □, please state: