

Mr Giles Haley  
Siemens Mobility Limited  
Sixth Floor, The Latern  
75 Hampstead Road  
London  
NW1 2PL

Your Ref: G A

Case Ref: PRM-IOP-0458

IN Number: UK/51/2023/0005

7<sup>th</sup> August 2023

**Contact: Adam Buckland**

2 Rivergate  
Temple Quay  
Bristol  
BS1 6EH

Dear Mr Haley,

**THE RAILWAYS (INTEROPERABILITY) REGULATIONS 2011, AS AMENDED  
AUTHORISATION OF SIEMENS DESIRO CITY CLASS 717 – UPGRADE OF ETCS  
SYSTEM TO ETCS BASELINE 3.6 LEVELS NTC (AWS/TPWS), 0, 1 AND 2**

I refer to your application for authorisation, received on the 20<sup>th</sup> July 2023. Following review of your application, I can confirm that ORR grants authorisation under regulation 4(1)(a) of the Railways (Interoperability) Regulations 2011, as amended. This authorisation is for the upgraded Class 717 vehicles shown in Appendix 1. This follows the first authorisation granted 20<sup>th</sup> September 2018 and upgrade dated 21<sup>st</sup> March 2023 references PRM-IOP-0268 UK51/2018/0006 and PRM-IOP-0417 UK51/2023/0002 respectively.

These vehicles are fitted with the Control, Command and Signalling On-Board System identified within Technical File report reference PM2 A6Z00055556053 000 C dated 2<sup>nd</sup> August 2023 and specific application system version 3R2.1.3.2.1.UK1.1.1.1.C It is noted that the ETCS structural subsystem has been assessed against Set of Specifications #3 (ETCS Baseline 3 Release 2 and GSM-R Baseline 1).

I refer to your UK Declaration of Verification PM2 A6Z00055263069 000 B dated 11<sup>th</sup> July 2023. The restrictions or limitations of use on the structural subsystem are those contained in section 3 of your Technical File report. These are related to the Control, Command and Signalling structural subsystems.

I also refer to your Declaration according to Article 16 (EU) 402/2013 as amended, dated 22<sup>nd</sup> June 2023.

The Control, Command and Signalling subsystem(s) authorised by this letter must be operated and maintained in accordance with Regulation 20.



You should be aware that any future modifications to the authorised subsystem may constitute a 'renewal' or an 'upgrade' as defined in Regulation 2. If a project entity, in relation to the project, considers that the modification meets either of these definitions they may apply, in accordance with the provisions of Regulation 13, to the Department for Transport (DfT) for a decision on whether a new authorisation will be required. Should DfT decide that an authorisation is not required they must consult with ORR whether authorisation is required on safety grounds.

As the project entity you are responsible for retaining the technical file, keeping it up to date and making it available to the ORR in accordance with Regulations 18 and 19.

If you are not the owner of the authorised subsystem you shall within 60 days, in accordance with Regulation 19(3), transfer the technical file, certificate of verification and verification declaration to the owner of the subsystem and the owner shall then be regarded as the project entity. If the owner, in accordance with Regulation 19(4), disposes of his interest in the authorised subsystem, he shall within 60 days of the disposal transfer the technical file, certificate of verification and verification declaration to the person acquiring that interest and that person shall be regarded as the project entity.

Please note that under Regulation 36, the person who applied for the authorisation shall send particulars to the Registration Entity to enable the registration entity to enter the information on the National Vehicle Register. This will include such further information as the registration entity may reasonably require set out in the relevant standard.

The person who applied for the authorisation to place in service may apply to the ORR for a determination of type in accordance with Commission Implementing Decision 2018/1614 as amended by Regulation 20 of The Railways (Interoperability) (Miscellaneous Amendments and Revocations) (EU Exit) Regulations 2020.

If you are the operator, may I remind you of the need to have adequate arrangements within your Safety Management System to control the risks associated with this rolling stock subsystem(s).

This decision letter will be published on ORR's website.

Yours sincerely

**Steve Fletcher**  
**Deputy Director, Engineering & Asset Management**



Cc

James Le Grice	Head of Interoperability, Safety and Standards DfT
David Galloway	Head of System Compatibility, Network Rail
Giles Turner	ORR Head of Interoperability & Rail Vehicle Engineering
ORR Interoperability	<a href="mailto:interoperability@orr.gov.uk">interoperability@orr.gov.uk</a>
Laura Oliver	ORR HM Inspector of Railways
National Vehicle Register	<a href="mailto:nvr@networkrail.co.uk">nvr@networkrail.co.uk</a>



## **Appendix 1: Authorised Vehicle Numbers**

717001	451001	452001	453001	454001	455001	456001
717002	451002	452002	453002	454002	455002	456002
717003	451003	452003	453003	454003	455003	456003
717004	451004	452004	453004	454004	455004	456004
717005	451005	452005	453005	454005	455005	456005
717006	451006	452006	453006	454006	455006	456006
717007	451007	452007	453007	454007	455007	456007
717008	451008	452008	453008	454008	455008	456008
717009	451009	452009	453009	454009	455009	456009
717010	451010	452010	453010	454010	455010	456010
717011	451011	452011	453011	454011	455011	456011
717012	451012	452012	453012	454012	455012	456012
717013	451013	452013	453013	454013	455013	456013
717014	451014	452014	453014	454014	455014	456014
717015	451015	452015	453015	454015	455015	456015
717016	451016	452016	453016	454016	455016	456016
717017	451017	452017	453017	454017	455017	456017
717018	451018	452018	453018	454018	455018	456018
717019	451019	452019	453019	454019	455019	456019
717020	451020	452020	453020	454020	455020	456020
717021	451021	452021	453021	454021	455021	456021
717022	451022	452022	453022	454022	455022	456022
717023	451023	452023	453023	454023	455023	456023
717024	451024	452024	453024	454024	455024	456024
717025	451025	452025	453025	454025	455025	456025