

Mr. Paul Carter
Design Assurance and Authorisation Manager
Bombardier Transportation UK Ltd.
Registered Office: Litchurch Lane,
Derby,
DE24 8AD

Your Ref

Case Ref PRM-IOP-0323
EIN UK/51/2020/0033

8th June 2020

Contact: Paul Frary
HM Inspector of Railways
25 Cabot Square
London
E14 4QZ

Dear Mr. Carter

**THE RAILWAYS (INTEROPERABILITY) REGULATIONS 2011, AS AMENDED
AUTHORISATION OF CLASS 720/5**

UNIT NUMBERS (INCLUSIVE): 720501 TO 720589

I refer to your application for authorisation, received on the 27th May 2020.

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 placing into service Class 720/5 vehicles as per Appendix 1.

I also refer to your EC Declaration of Verification, reference 3EER400028-8440_B dated 26th May 2020 and Article 16 Declaration dated 26th May 2020.

The restrictions or limitations of use on the structural subsystem are those contained in your Declaration of Verification dated 26th May 2020 and contained in your Technical File, reference 3EER400031-4334_A

The conditions are summarised below:

Conditions of Use Inherent in the Vehicle Design are recorded in document 3EER400031-4480

Restrictions are summarised below:

1. Class 720/5 units cannot operate as 10-car single units.

2. The unit's interface with Energy TSI compliant wayside energy metering equipment is not demonstrated.
3. Guard Door Controls in Saloon adjacent to passenger doors to control passenger doors are to be locked out of use.
4. All recommendations as identified in the Safety Assessment Report AES_1328_R02_Iss_02 are adhered to before putting into use of the CL720 trains.
5. Compatibility between the vehicle and the infrastructure. Network Rail Summary of Compatibility (NRSC) shall be issued in accordance with RIS-8270-RST issue 1 prior to trains being put into use.

Closure plan and mechanisms for the restrictions 1, 2 and 3 are contained within document 3EER400031-4480.

The Technical File should be kept up to date.

The rolling stock 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.

Karen Barnes

HM Inspector of Railways, ORR

Pete Gracey

Head of Interoperability, ORR

Dave Galloway

Professional Head of System Compatibility, NR

CLASS	Operator Code	DTLW		M3		M2		PML	
	Design Code	EQ2050A		ER2230A		ER2220A		ER2210A	
	UNIT	(Domestic)	(European)	(Domestic)	(European)	(Domestic)	(European)	(Domestic)	(European)
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