Huw Parry-Jones
Hitachi Rail Limited
7th Floor, 1 New Ludgate
60 Ludgate Hill
London
EC4M 7AW

Your Ref HRL-EMR-COR-02019-Y

Case Ref PRM-IOP-00662

UK/51/2026/0001

19 May 2026

Contact: Jonathon Cunningham
Rail Vehicles Engineer
HM Inspector of Railway
23 Stephenson Street
Birmingham
B2 4BH

Dear Mr Parry-Jones,

THE RAILWAYS (INTEROPERABILITY) REGULATIONS 2011, AS AMENDED
HITACHI RAIL CLASS 810 UPGRADE (MULTIPLE UNIT OPERATION)

I refer to your application for authorisation, received on the 24th April 2026. 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 Hitachi 810 units, as shown in Appendix A, to allow 2 x 5-car Multiple Unit Operation.

The restrictions or limitations of use on the structural subsystem are those contained on the Declaration of Verification 'HRL-EMR-SFA-CER-00005 (Class 810 EMR Trains DoV)' dated 24th April 2026 and contained in section 5.2 of your technical file, 'RTV-SN0198584-R015 Iss2' dated 15th April 2026. These are related to the Rolling Stock and Control, Command and Signalling structural subsystems.

Your Declaration according to Article 16 (EU) 402/2013 as amended, reference 'HRL-EMR-SFA-CER-00008 Issue 1.0 (Class 810 EMR CSM Art16 Decl)' dated 24th April 2026 references no open safety requirements at the time of application.

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, they 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	interoperability@orr.gov.uk
Sarah Robinson	ORR HM Inspector of Railways
Caroline Barter	ORR HM Inspector of Railways
National Vehicle Register	nvr@networkrail.co.uk

Appendix A: Authorised Vehicle Numbers

Unit	DTF	MC	TS	MS	DTS
	Car 1	Car 2	Car 3	Car 4	Car 5
810001	851001	852001	853001	854001	855001
810002	851002	852002	853002	854002	855002
810003	851003	852003	853003	854003	855003
810004	851004	852004	853004	854004	855004
810005	851005	852005	853005	854005	855005
810006	851006	852006	853006	854006	855006
810007	851007	852007	853007	854007	855007
810008	851008	852008	853008	854008	855008
810009	851009	852009	853009	854009	855009
810010	851010	852010	853010	854010	855010
810011	851011	852011	853011	854011	855011
810012	851012	852012	853012	854012	855012
810013	851013	852013	853013	854013	855013
810014	851014	852014	853014	854014	855014
810015	851015	852015	853015	854015	855015
810016	851016	852016	853016	854016	855016
810017	851017	852017	853017	854017	855017
810018	851018	852018	853018	854018	855018
810019	851019	852019	853019	854019	855019
810020	851020	852020	853020	854020	855020
810021	851021	852021	853021	854021	855021
810022	851022	852022	853022	854022	855022
810023	851023	852023	853023	854023	855023
810024	851024	852024	853024	854024	855024
810025	851025	852025	853025	854025	855025
810026	851026	852026	853026	854026	855026
810027	851027	852027	853027	854027	855027
810028	851028	852028	853028	854028	855028
810029	851029	852029	853029	854029	855029
810030	851030	852030	853030	854030	855030
810031	851031	852031	853031	854031	855031
810032	851032	852032	853032	854032	855032
810033	851033	852033	853033	854033	855033