

Mr Steve Leigh  
Program Manager  
Network Rail Telecoms  
The Quadrant, Level 2 Caldecotte,  
Eldergate  
Milton Keynes  
Buckinghamshire  
MK9 1EN

Your Ref : OP158365  
R00019

Case Ref : PRM-IOP-0333

IN Number : As listed

Date: 23<sup>rd</sup> November 2021

**Contact: Adam Buckland**

2 Rivergate,  
Temple Quay,  
Bristol.  
BS1 6EH.

Dear Steve,

**THE RAILWAYS (INTEROPERABILITY) REGULATIONS 2011, AS AMENDED UK TYPE AUTHORISATION OF GSM-R V4.0 FITTED TO THE VEHICLES LISTED IN THIS LETTER IN CONFORMITY WITH EUROPEAN REGISTER OF AUTHORISED TYPE REFERENCE 11-095-0001-5-001.**

I refer to your application for authorisation against an approved type, received on 17<sup>th</sup> November 2021. Following a review of your application, I can confirm that ORR grants an authorisation under regulation 9 of the Railways (Interoperability) Regulations 2011, as amended.

This authorisation is for the placing in service of V4.0 GSM-R Cab Mobile sub system fitted with an interference resistant transceiver. In addition, there is an option to replace the current GSM-R antenna with a combined GSM-R/GPS antenna and to fit and additional LTE antenna.

- GSM-R Cab Mobile Type - GSM-R V4.0 Cab Mobile SVR400+ with NR4.0 software (Build 1127) which incorporate an ETSI TS 102 933 V 2.1.1 compliant transceiver.
- GSM-R/GPS antenna (Fitment of combined GSM-R/GPS antennae is optional)
  - Huber & Suhner – SWA-0825/360/5/30/DFRX30
  - Polomarconi – BGLD1/S
- LTE antenna (Fitment of LTE antennae is optional)
  - Huber & Suhner – SWA-0825/360/5/30/MIMO
  - Panorama Antennas – TRNM-7-60-NJ
  - Polomarconi – T01811814
  - Huber & Suhner – Sencity Rail MIMO Antenna 1399.17.0222

This conforms to European Register of Authorised Types (ERATV) type 11-095-0001-5-001.

It is noted that V4.0 GSM-R cab mobile build number, 1136, is included within this application. You have confirmed with your Approved Body that the two modifications in this build do not change either the GSM-R cab mobile software or related hardware on the train. This build is, therefore, considered by Network Rail and the manufacturer as a minor change with no part of the applicable National Technical Specification Notice (NTSN) or Technical Specification for Interoperability (TSI) being impacted. Therefore, it is considered that the initial determination of type remains unchanged.

I refer to your documents V4.0 GSM-R Cab Mobile Build 1136 Significance Decision, dated the 3<sup>rd</sup> September 2021 and the Letter of Assessment of Minor Change reference ACS9244 L02 dated the 30<sup>th</sup> July 2021.

This authorisation applies to the following inclusive.

Operator	Class	Vehicle	Cab	V4.0 Installation Date	IN
125 Group	43	43044	A	11/10/2021	UK/51/2020/0056
125 Group	43	43159	A	11/10/2021	UK/51/2020/0056
Abellio ScotRail	385	385002	A	11/11/2021	UK/51/2021/0058
Abellio ScotRail	385	385002	B	11/11/2021	UK/51/2021/0058
Abellio ScotRail	385	385004	A	22/09/2021	UK/51/2021/0058
Abellio ScotRail	385	385004	B	22/09/2021	UK/51/2021/0058
Abellio ScotRail	385	385006	A	19/09/2021	UK/51/2021/0058
Abellio ScotRail	385	385006	B	19/09/2021	UK/51/2021/0058
Abellio ScotRail	385	385009	B	01/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385012	A	23/09/2021	UK/51/2021/0058
Abellio ScotRail	385	385012	B	23/09/2021	UK/51/2021/0058
Abellio ScotRail	385	385013	A	02/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385013	B	02/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385014	A	30/09/2021	UK/51/2021/0058
Abellio ScotRail	385	385014	B	30/09/2021	UK/51/2021/0058
Abellio ScotRail	385	385015	A	05/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385015	B	05/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385019	A	05/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385019	B	05/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385021	A	23/09/2021	UK/51/2021/0058

Abellio ScotRail	385	385021	B	15/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385022	A	02/11/2021	UK/51/2021/0058
Abellio ScotRail	385	385022	B	21/09/2021	UK/51/2021/0058
Abellio ScotRail	385	385023	A	03/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385023	B	03/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385027	A	03/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385027	B	03/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385029	A	03/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385029	B	03/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385031	A	22/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385031	B	22/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385034	A	19/09/2021	UK/51/2021/0058
Abellio ScotRail	385	385034	B	19/09/2021	UK/51/2021/0058
Abellio ScotRail	385	385035	A	10/11/2021	UK/51/2021/0058
Abellio ScotRail	385	385035	B	10/11/2021	UK/51/2021/0058
Abellio ScotRail	385	385042	A	27/09/2021	UK/51/2021/0058
Abellio ScotRail	385	385042	B	27/09/2021	UK/51/2021/0058
Abellio ScotRail	385	385043	A	02/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385043	B	02/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385044	A	13/11/2021	UK/51/2021/0058
Abellio ScotRail	385	385044	B	13/11/2021	UK/51/2021/0058
Abellio ScotRail	385	385045	A	26/09/2021	UK/51/2021/0058
Abellio ScotRail	385	385045	B	26/09/2021	UK/51/2021/0058
Abellio ScotRail	385	385102	A	12/11/2021	UK/51/2021/0058
Abellio ScotRail	385	385102	B	12/11/2021	UK/51/2021/0058
Abellio ScotRail	385	385103	A	21/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385103	B	21/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385104	A	10/11/2021	UK/51/2021/0058
Abellio ScotRail	385	385104	B	10/11/2021	UK/51/2021/0058
Abellio ScotRail	385	385110	A	01/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385110	B	01/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385122	A	25/09/2021	UK/51/2021/0058
Abellio ScotRail	385	385122	B	25/09/2021	UK/51/2021/0058
Abellio ScotRail	385	385124	A	03/10/2021	UK/51/2021/0058
Abellio ScotRail	385	385124	B	03/10/2021	UK/51/2021/0058
Arriva Rail London	710	710108	A	09/11/2021	UK/51/2021/0049
Arriva Rail London	710	710108	B	09/11/2021	UK/51/2021/0049
Arriva Rail London	710	710109	A	10/11/2021	UK/51/2021/0049
Arriva Rail London	710	710109	B	10/11/2021	UK/51/2021/0049

Arriva Rail London	710	710115	A	09/11/2021	UK/51/2021/0049
Arriva Rail London	710	710115	B	10/11/2021	UK/51/2021/0049
Arriva Rail London	710	710117	A	13/11/2021	UK/51/2021/0049
Arriva Rail London	710	710117	B	13/11/2021	UK/51/2021/0049
Arriva Rail London	710	710121	A	11/11/2021	UK/51/2021/0049
Arriva Rail London	710	710121	B	11/11/2021	UK/51/2021/0049
Arriva Rail London	710	710126	A	11/11/2021	UK/51/2021/0049
Arriva Rail London	710	710126	B	11/11/2021	UK/51/2021/0049
Arriva Rail London	710	710127	A	13/11/2021	UK/51/2021/0049
Arriva Rail London	710	710127	B	13/11/2021	UK/51/2021/0049
Arriva Rail London	710	710256	A	21/10/2021	UK/51/2021/0049
Arriva Rail London	710	710256	B	21/10/2021	UK/51/2021/0049
Arriva Rail London	710	710263	A	01/10/2021	UK/51/2021/0049
Arriva Rail London	710	710263	B	01/10/2021	UK/51/2021/0049
Arriva Rail London	710	710271	A	31/10/2021	UK/51/2021/0049
Arriva Rail London	710	710271	B	31/10/2021	UK/51/2021/0049
Arriva Rail London	710	710272	A	06/10/2021	UK/51/2021/0049
Arriva Rail London	710	710272	B	06/10/2021	UK/51/2021/0049
Arriva Rail London	710	710273	A	09/11/2021	UK/51/2021/0049
Arriva Rail London	710	710273	B	09/11/2021	UK/51/2021/0049
Avanti West Coast	390	390001	A	23/10/2021	UK/51/2021/0060
Avanti West Coast	390	390001	B	23/10/2021	UK/51/2021/0060
Avanti West Coast	390	390002	A	19/10/2021	UK/51/2021/0060
Avanti West Coast	390	390002	B	19/10/2021	UK/51/2021/0060
Avanti West Coast	390	390005	A	08/10/2021	UK/51/2021/0060
Avanti West Coast	390	390005	B	08/10/2021	UK/51/2021/0060
Avanti West Coast	390	390008	A	30/09/2021	UK/51/2021/0060
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Avanti West Coast	390	390013	B	08/10/2021	UK/51/2021/0060
Avanti West Coast	390	390020	A	19/10/2021	UK/51/2021/0060
Avanti West Coast	390	390020	B	19/10/2021	UK/51/2021/0060
Avanti West Coast	390	390040	A	28/09/2021	UK/51/2021/0060
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Avanti West Coast	390	390044	A	06/10/2021	UK/51/2021/0060
Avanti West Coast	390	390044	B	06/10/2021	UK/51/2021/0060
Avanti West Coast	390	390046	A	02/10/2021	UK/51/2021/0060

Avanti West Coast	390	390046	B	02/10/2021	UK/51/2021/0060
Avanti West Coast	390	390047	A	29/09/2021	UK/51/2021/0060
Avanti West Coast	390	390047	B	29/09/2021	UK/51/2021/0060
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Avanti West Coast	390	390104	A	24/09/2021	UK/51/2021/0060
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Avanti West Coast	390	390107	A	31/10/2021	UK/51/2021/0060
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Avanti West Coast	390	390119	B	17/10/2021	UK/51/2021/0060
Avanti West Coast	390	390121	A	12/10/2021	UK/51/2021/0060
Avanti West Coast	390	390121	B	12/10/2021	UK/51/2021/0060
Avanti West Coast	390	390122	A	28/09/2021	UK/51/2021/0060
Avanti West Coast	390	390122	B	28/09/2021	UK/51/2021/0060
Avanti West Coast	390	390124	A	04/11/2021	UK/51/2021/0060
Avanti West Coast	390	390124	B	04/11/2021	UK/51/2021/0060
Avanti West Coast	390	390127	A	03/10/2021	UK/51/2021/0060
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Avanti West Coast	390	390128	B	03/11/2021	UK/51/2021/0060
Avanti West Coast	390	390129	A	20/09/2021	UK/51/2021/0060
Avanti West Coast	390	390129	B	20/09/2021	UK/51/2021/0060
Avanti West Coast	390	390130	A	25/10/2021	UK/51/2021/0060
Avanti West Coast	390	390130	B	25/10/2021	UK/51/2021/0060
Avanti West Coast	390	390132	A	28/10/2021	UK/51/2021/0060
Avanti West Coast	390	390132	B	28/10/2021	UK/51/2021/0060
Avanti West Coast	390	390134	A	05/10/2021	UK/51/2021/0060
Avanti West Coast	390	390134	B	05/10/2021	UK/51/2021/0060
Avanti West Coast	390	390136	A	08/10/2021	UK/51/2021/0060
Avanti West Coast	390	390136	B	30/09/2021	UK/51/2021/0060

Avanti West Coast	390	390137	A	06/10/2021	UK/51/2021/0060
Avanti West Coast	390	390137	B	06/10/2021	UK/51/2021/0060
Avanti West Coast	390	390157	A	30/09/2021	UK/51/2021/0060
Avanti West Coast	390	390157	B	30/09/2021	UK/51/2021/0060
Balfour Beatty	098	098216	A	09/11/2021	UK/51/2020/0022
Balfour Beatty	098	098216	B	09/11/2021	UK/51/2020/0022
c2c	357	357035	A	28/09/2021	UK/51/2021/0006
c2c	357	357045	A	20/09/2021	UK/51/2021/0006
c2c	357	357045	B	20/09/2021	UK/51/2021/0006
c2c	357	357201	A	08/10/2021	UK/51/2021/0006
c2c	357	357201	B	21/09/2021	UK/51/2021/0006
c2c	357	357202	A	23/09/2021	UK/51/2021/0006
c2c	357	357202	B	23/09/2021	UK/51/2021/0006
c2c	357	357203	A	22/09/2021	UK/51/2021/0006
c2c	357	357203	B	22/09/2021	UK/51/2021/0006
c2c	357	357205	A	24/09/2021	UK/51/2021/0006
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c2c	357	357206	A	28/09/2021	UK/51/2021/0006
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c2c	357	357207	A	27/09/2021	UK/51/2021/0006
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c2c	357	357208	A	29/09/2021	UK/51/2021/0006
c2c	357	357208	B	29/09/2021	UK/51/2021/0006
c2c	357	357209	A	30/09/2021	UK/51/2021/0006
c2c	357	357209	B	30/09/2021	UK/51/2021/0006
c2c	357	357210	A	01/10/2021	UK/51/2021/0006
c2c	357	357210	B	01/10/2021	UK/51/2021/0006
c2c	357	357211	A	04/10/2021	UK/51/2021/0006
c2c	357	357211	B	04/10/2021	UK/51/2021/0006
C2C	357	357314	A	06/10/2021	UK/51/2021/0006
C2C	357	357314	B	06/10/2021	UK/51/2021/0006
c2c	357	357315	A	08/10/2021	UK/51/2021/0006
c2c	357	357315	B	08/10/2021	UK/51/2021/0006
c2c	357	357316	A	07/10/2021	UK/51/2021/0006
c2c	357	357316	B	07/10/2021	UK/51/2021/0006
c2c	357	357317	A	13/10/2021	UK/51/2021/0006
c2c	357	357317	B	13/10/2021	UK/51/2021/0006
c2c	357	357318	A	11/10/2021	UK/51/2021/0006
c2c	357	357318	B	11/10/2021	UK/51/2021/0006

c2c	357	357319	A	12/10/2021	UK/51/2021/0006
c2c	357	357319	B	12/10/2021	UK/51/2021/0006
c2c	357	357321	A	12/10/2021	UK/51/2021/0006
c2c	357	357321	B	12/10/2021	UK/51/2021/0006
c2c	357	357322	A	13/10/2021	UK/51/2021/0006
c2c	357	357322	B	13/10/2021	UK/51/2021/0006
c2c	357	357323	A	14/10/2021	UK/51/2021/0006
c2c	357	357323	B	14/10/2021	UK/51/2021/0006
c2c	357	357324	A	14/10/2021	UK/51/2021/0006
c2c	357	357324	B	14/10/2021	UK/51/2021/0006
c2c	357	357325	A	15/10/2021	UK/51/2021/0006
c2c	357	357325	B	15/10/2021	UK/51/2021/0006
c2c	357	357326	A	07/10/2021	UK/51/2021/0006
c2c	357	357326	B	07/10/2021	UK/51/2021/0006
c2c	357	357327	A	05/10/2021	UK/51/2021/0006
c2c	357	357327	B	05/10/2021	UK/51/2021/0006
C2C	357	357328	A	13/10/2021	UK/51/2021/0006
C2C	357	357328	B	13/10/2021	UK/51/2021/0006
c2c	387	387303	A	30/10/2021	UK/51/2020/0009
c2c	387	387303	B	30/10/2021	UK/51/2020/0009
c2c	387	387304	A	30/10/2021	UK/51/2020/0009
c2c	387	387304	B	30/10/2021	UK/51/2020/0009
c2c	387	387305	A	24/10/2021	UK/51/2020/0009
c2c	387	387305	B	30/10/2021	UK/51/2020/0009
Chiltern Railways	165	165004	A	06/10/2021	UK/51/2020/0042
Chiltern Railways	165	165004	B	06/10/2021	UK/51/2020/0042
Colas Rail	073	073907	A	02/11/2021	UK/51/2020/0018
Colas Rail	073	073907	B	02/11/2021	UK/51/2020/0018
Colas Rail	075	075009	A	21/10/2021	UK/51/2020/0016
Colas Rail	075	075009	B	21/10/2021	UK/51/2020/0016
Colas Rail	37	37025	A	18/10/2021	UK/51/2020/0015
Colas Rail	37	37116	A	05/11/2021	UK/51/2020/0015
Colas Rail	37	37607	A	19/10/2021	UK/51/2020/0015
Colas Rail	43	43251	A	14/10/2021	UK/51/2020/0056
Colas Rail	43	43257	A	14/10/2021	UK/51/2020/0056
Colas Rail	43	43272	A	11/10/2021	UK/51/2020/0056
Colas Rail	43	43274	A	11/10/2021	UK/51/2020/0056
Colas Rail	56	56096	A	04/11/2021	UK/51/2020/0063
Colas Rail	70	70808	A	05/11/2021	UK/51/2020/0002

D.A.T.S.	91	91122	A	22/10/2021	UK/51/2021/0062
D.A.T.S.	91	91128	A	22/10/2021	UK/51/2021/0062
DB Cargo	60	60001	A	11/10/2021	UK/51/2020/0064
DB Cargo	60	60011	A	28/09/2021	UK/51/2020/0064
DB Cargo	60	60017	A	02/11/2021	UK/51/2020/0064
DB Cargo	60	60020	A	22/10/2021	UK/51/2020/0064
DB Cargo	60	60024	A	02/11/2021	UK/51/2020/0064
DB Cargo	60	60035	A	30/09/2021	UK/51/2020/0064
DB Cargo	60	60039	A	28/09/2021	UK/51/2020/0064
DB Cargo	60	60040	A	03/11/2021	UK/51/2020/0064
DB Cargo	60	60045	A	30/09/2021	UK/51/2020/0064
DB Cargo	60	60059	A	27/09/2021	UK/51/2020/0064
DB Cargo	60	60062	A	08/10/2021	UK/51/2020/0064
DB Cargo	60	60065	A	29/09/2021	UK/51/2020/0064
DB Cargo	60	60066	A	01/11/2021	UK/51/2020/0064
DB Cargo	60	60071	A	24/09/2021	UK/51/2020/0064
DB Cargo	60	60092	A	01/11/2021	UK/51/2020/0064
DB Cargo	60	60100	A	24/09/2021	UK/51/2020/0064
DB Cargo	66	66002	A	01/10/2021	UK/51/2020/0001
DB Cargo	66	66004	A	22/10/2021	UK/51/2020/0001
DB Cargo	66	66005	A	29/09/2021	UK/51/2020/0001
DB Cargo	66	66006	A	25/10/2021	UK/51/2020/0001
DB Cargo	66	66009	A	29/09/2021	UK/51/2020/0001
DB Cargo	66	66011	A	25/10/2021	UK/51/2020/0001
DB Cargo	66	66013	A	08/11/2021	UK/51/2020/0001
DB Cargo	66	66019	A	27/10/2021	UK/51/2020/0001
DB Cargo	66	66024	A	12/11/2021	UK/51/2020/0001
DB Cargo	66	66025	A	30/10/2021	UK/51/2020/0001
DB Cargo	66	66027	A	25/10/2021	UK/51/2020/0001
DB Cargo	66	66030	A	08/11/2021	UK/51/2020/0001
DB Cargo	66	66031	A	21/09/2021	UK/51/2020/0001
DB Cargo	66	66041	A	09/11/2021	UK/51/2020/0001
DB Cargo	66	66044	A	05/10/2021	UK/51/2020/0001
DB Cargo	66	66050	A	11/10/2021	UK/51/2020/0001
DB Cargo	66	66057	A	04/11/2021	UK/51/2020/0001
DB Cargo	66	66060	A	26/10/2021	UK/51/2020/0001
DB Cargo	66	66063	A	22/09/2021	UK/51/2020/0001
DB Cargo	66	66065	A	09/11/2021	UK/51/2020/0001
DB Cargo	66	66068	A	09/11/2021	UK/51/2020/0001



DB Cargo	66	66080	A	27/10/2021	UK/51/2020/0001
DB Cargo	66	66084	A	19/10/2021	UK/51/2020/0001
DB Cargo	66	66086	A	20/10/2021	UK/51/2020/0001
DB Cargo	66	66089	A	12/10/2021	UK/51/2020/0001
DB Cargo	66	66092	A	21/09/2021	UK/51/2020/0001
DB Cargo	66	66093	A	21/10/2021	UK/51/2020/0001
DB Cargo	66	66096	A	20/10/2021	UK/51/2020/0001
DB Cargo	66	66103	A	28/10/2021	UK/51/2020/0001
DB Cargo	66	66104	A	11/10/2021	UK/51/2020/0001
DB Cargo	66	66107	A	23/09/2021	UK/51/2020/0001
DB Cargo	66	66112	A	01/10/2021	UK/51/2020/0001
DB Cargo	66	66119	A	20/09/2021	UK/51/2020/0001
DB Cargo	66	66128	A	21/09/2021	UK/51/2020/0001
DB Cargo	66	66130	A	09/11/2021	UK/51/2020/0001
DB Cargo	66	66137	A	25/10/2021	UK/51/2020/0001
DB Cargo	66	66139	A	22/10/2021	UK/51/2020/0001
DB Cargo	66	66140	A	22/10/2021	UK/51/2020/0001
DB Cargo	66	66142	A	20/10/2021	UK/51/2020/0001
DB Cargo	66	66143	A	21/10/2021	UK/51/2020/0001
DB Cargo	66	66147	A	11/10/2021	UK/51/2020/0001
DB Cargo	66	66148	A	20/09/2021	UK/51/2020/0001
DB Cargo	66	66149	A	27/09/2021	UK/51/2020/0001
DB Cargo	66	66150	A	02/11/2021	UK/51/2020/0001
DB Cargo	66	66154	A	12/10/2021	UK/51/2020/0001
DB Cargo	66	66158	A	24/09/2021	UK/51/2020/0001
DB Cargo	66	66162	A	01/11/2021	UK/51/2020/0001
DB Cargo	66	66164	A	27/09/2021	UK/51/2020/0001
DB Cargo	66	66167	A	19/10/2021	UK/51/2020/0001
DB Cargo	66	66168	A	11/10/2021	UK/51/2020/0001
DB Cargo	66	66174	A	29/10/2021	UK/51/2020/0001
DB Cargo	66	66176	A	19/10/2021	UK/51/2020/0001
DB Cargo	66	66181	A	19/10/2021	UK/51/2020/0001
DB Cargo	66	66192	A	19/10/2021	UK/51/2020/0001
DB Cargo	66	66199	A	08/10/2021	UK/51/2020/0001
DB Cargo	67	67001	A	21/09/2021	UK/51/2021/0029
DB Cargo	67	67002	A	20/10/2021	UK/51/2021/0029
DB Cargo	67	67007	A	13/10/2021	UK/51/2021/0029
DB Cargo	67	67010	A	26/10/2021	UK/51/2021/0029
DB Cargo	67	67014	A	30/09/2021	UK/51/2021/0029

DB Cargo	67	67017	A	22/09/2021	UK/51/2021/0029
DB Cargo	67	67029	A	29/09/2021	UK/51/2021/0029
DB Cargo	90	90021	A	08/10/2021	UK/51/2020/0004
DB Cargo	90	90035	A	11/10/2021	UK/51/2020/0004
DB Cargo	90	90040	A	20/09/2021	UK/51/2020/0004
DB Cargo	92	92019	A	06/10/2021	UK/51/2021/0050
Diesel Traction Group	89	89416	A	19/10/2021	UK/51/2021/0056
DRS	37	37407	A	22/09/2021	UK/51/2020/0015
DRS	88	88002	A	01/10/2021	UK/51/2021/0041
East Midlands Railway	153	153308	A	24/10/2021	UK/51/2021/0024
East Midlands Railway	153	153319	A	25/10/2021	UK/51/2021/0024
East Midlands Railway	156	156402	A	29/09/2021	UK/51/2021/0002
East Midlands Railway	156	156402	B	10/11/2021	UK/51/2021/0002
East Midlands Railway	170	170417	A	01/10/2021	UK/51/2020/0051
East Midlands Railway	170	170417	B	01/10/2021	UK/51/2020/0051
East Midlands Railway	170	170420	B	02/10/2021	UK/51/2020/0051
East Midlands Railway	360	360121	A	18/10/2021	UK/51/2021/0053
East Midlands Railway	360	360121	B	18/10/2021	UK/51/2021/0053
EUROPHOENIX	37	37901	A	20/09/2021	UK/51/2020/0015
EUROPHOENIX	91	91117	A	09/11/2021	UK/51/2021/0062
GB Railfreight	60	60026	A	20/10/2021	UK/51/2020/0064
GB Railfreight	60	60087	A	13/10/2021	UK/51/2020/0064
GB Railfreight	66	66705	A	30/10/2021	UK/51/2020/0001
GB Railfreight	66	66735	A	21/10/2021	UK/51/2020/0001
GB Railfreight	66	66737	A	01/10/2021	UK/51/2020/0001
GB Railfreight	66	66771	A	26/09/2021	UK/51/2020/0001
GB Railfreight	73	73107	A	19/10/2021	UK/51/2020/0018
GB Railfreight	73	73107	B	19/10/2021	UK/51/2020/0018
GB Railfreight	73	73119	A	20/09/2021	UK/51/2020/0018
GB Railfreight	73	73119	B	20/09/2021	UK/51/2020/0018
GB Railfreight	73	73128	A	20/09/2021	UK/51/2020/0018
GB Railfreight	73	73128	B	20/09/2021	UK/51/2020/0018
GB Railfreight	73	73201	A	20/09/2021	UK/51/2020/0018
GB Railfreight	73	73201	B	20/09/2021	UK/51/2020/0018
GB Railfreight	73	73212	A	12/10/2021	UK/51/2020/0018
GB Railfreight	73	73212	B	12/10/2021	UK/51/2020/0018
GB Railfreight	73	73213	A	11/10/2021	UK/51/2020/0018
GB Railfreight	73	73213	B	02/11/2021	UK/51/2020/0018
GB Railfreight	73	73962	A	12/10/2021	UK/51/2020/0018

GB Railfreight	73	73962	B	12/10/2021	UK/51/2020/0018
GB Railfreight	73	73963	A	04/10/2021	UK/51/2020/0018
GB Railfreight	73	73963	B	04/10/2021	UK/51/2020/0018
GB Railfreight	73	73964	A	03/11/2021	UK/51/2020/0018
GB Railfreight	73	73964	B	03/11/2021	UK/51/2020/0018
GB Railfreight	73	73965	A	04/10/2021	UK/51/2020/0018
GB Railfreight	73	73965	B	04/10/2021	UK/51/2020/0018
Govia Thameslink Railway	700	700001	A	12/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700001	B	12/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700004	A	11/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700004	B	11/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700005	A	10/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700005	B	10/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700007	A	10/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700007	B	10/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700009	A	12/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700009	B	12/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700012	A	11/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700012	B	11/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700013	A	11/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700013	B	11/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700015	A	12/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700015	B	12/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700017	A	11/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700017	B	11/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700029	A	10/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700029	B	10/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700031	A	11/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700031	B	11/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700035	A	11/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700037	A	11/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700037	B	11/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700043	A	11/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700043	B	11/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700046	A	12/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700046	B	12/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700053	A	11/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700053	B	11/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700056	A	12/11/2021	UK/51/2020/0045

Govia Thameslink Railway	700	700056	B	12/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700125	A	12/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700125	B	12/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700127	A	11/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700127	B	11/11/2021	UK/51/2020/0045
Govia Thameslink Railway	700	700134	B	10/11/2021	UK/51/2020/0045
Grand Central Railway	180	180104	A	09/11/2021	UK/51/2021/0030
Grand Central Railway	180	180104	B	09/11/2021	UK/51/2021/0030
Great Western Railway	387	387301	A	02/11/2021	UK/51/2020/0009
Great Western Railway	387	387301	B	02/11/2021	UK/51/2020/0009
Great Western Railway	387	387302	A	12/11/2021	UK/51/2020/0009
Great Western Railway	387	387302	B	12/11/2021	UK/51/2020/0009
Great Western Railway	387	387306	A	09/11/2021	UK/51/2020/0009
Great Western Railway	387	387306	B	09/11/2021	UK/51/2020/0009
Great Western Railway	800	800002	A	14/10/2021	UK/51/2021/0013
Great Western Railway	800	800002	B	14/10/2021	UK/51/2021/0013
Great Western Railway	800	800004	A	02/10/2021	UK/51/2021/0013
Great Western Railway	800	800004	B	02/10/2021	UK/51/2021/0013
Great Western Railway	800	800005	A	12/10/2021	UK/51/2021/0013
Great Western Railway	800	800005	B	12/10/2021	UK/51/2021/0013
Great Western Railway	800	800006	A	29/09/2021	UK/51/2021/0013
Great Western Railway	800	800006	B	29/09/2021	UK/51/2021/0013
Great Western Railway	800	800007	A	01/10/2021	UK/51/2021/0013
Great Western Railway	800	800007	B	01/10/2021	UK/51/2021/0013
Great Western Railway	800	800008	B	16/10/2021	UK/51/2021/0013
Great Western Railway	800	800009	A	01/10/2021	UK/51/2021/0013
Great Western Railway	800	800009	B	01/10/2021	UK/51/2021/0013
Great Western Railway	800	800012	A	06/10/2021	UK/51/2021/0013
Great Western Railway	800	800012	B	06/10/2021	UK/51/2021/0013
Great Western Railway	800	800014	A	02/11/2021	UK/51/2021/0013
Great Western Railway	800	800014	B	02/11/2021	UK/51/2021/0013
Great Western Railway	800	800015	A	30/09/2021	UK/51/2021/0013
Great Western Railway	800	800015	B	30/09/2021	UK/51/2021/0013
Great Western Railway	800	800016	B	27/10/2021	UK/51/2021/0013
Great Western Railway	800	800019	A	16/10/2021	UK/51/2021/0013
Great Western Railway	800	800019	B	16/10/2021	UK/51/2021/0013
Great Western Railway	800	800022	A	22/09/2021	UK/51/2021/0013
Great Western Railway	800	800022	B	22/09/2021	UK/51/2021/0013
Great Western Railway	800	800024	A	01/11/2021	UK/51/2021/0013

Great Western Railway	800	800024	B	01/11/2021	UK/51/2021/0013
Great Western Railway	800	800025	A	04/10/2021	UK/51/2021/0013
Great Western Railway	800	800025	B	04/10/2021	UK/51/2021/0013
Great Western Railway	800	800027	A	23/09/2021	UK/51/2021/0013
Great Western Railway	800	800027	B	23/09/2021	UK/51/2021/0013
Great Western Railway	800	800028	A	18/10/2021	UK/51/2021/0013
Great Western Railway	800	800028	B	13/10/2021	UK/51/2021/0013
Great Western Railway	800	800029	A	13/10/2021	UK/51/2021/0013
Great Western Railway	800	800029	B	13/10/2021	UK/51/2021/0013
Great Western Railway	800	800030	A	01/10/2021	UK/51/2021/0013
Great Western Railway	800	800030	B	01/10/2021	UK/51/2021/0013
Great Western Railway	800	800031	A	22/09/2021	UK/51/2021/0013
Great Western Railway	800	800031	B	22/09/2021	UK/51/2021/0013
Great Western Railway	800	800033	A	20/09/2021	UK/51/2021/0013
Great Western Railway	800	800033	B	20/09/2021	UK/51/2021/0013
Great Western Railway	800	800034	A	05/10/2021	UK/51/2021/0013
Great Western Railway	800	800034	B	05/10/2021	UK/51/2021/0013
Great Western Railway	800	800035	A	29/09/2021	UK/51/2021/0013
Great Western Railway	800	800035	B	29/09/2021	UK/51/2021/0013
Great Western Railway	800	800036	A	28/10/2021	UK/51/2021/0013
Great Western Railway	800	800036	B	28/10/2021	UK/51/2021/0013
Great Western Railway	800	800301	A	02/10/2021	UK/51/2021/0013
Great Western Railway	800	800301	B	02/10/2021	UK/51/2021/0013
Great Western Railway	800	800302	A	18/10/2021	UK/51/2021/0013
Great Western Railway	800	800302	B	18/10/2021	UK/51/2021/0013
Great Western Railway	800	800303	A	22/10/2021	UK/51/2021/0013
Great Western Railway	800	800303	B	22/10/2021	UK/51/2021/0013
Great Western Railway	800	800305	A	21/10/2021	UK/51/2021/0013
Great Western Railway	800	800305	B	21/10/2021	UK/51/2021/0013
Great Western Railway	800	800306	A	25/10/2021	UK/51/2021/0013
Great Western Railway	800	800306	B	25/10/2021	UK/51/2021/0013
Great Western Railway	800	800307	A	11/10/2021	UK/51/2021/0013
Great Western Railway	800	800307	B	11/10/2021	UK/51/2021/0013
Great Western Railway	800	800308	A	21/09/2021	UK/51/2021/0013
Great Western Railway	800	800308	B	21/09/2021	UK/51/2021/0013
Great Western Railway	800	800309	A	05/10/2021	UK/51/2021/0013
Great Western Railway	800	800309	B	05/10/2021	UK/51/2021/0013
Great Western Railway	800	800310	A	12/10/2021	UK/51/2021/0013
Great Western Railway	800	800310	B	12/10/2021	UK/51/2021/0013

Great Western Railway	800	800311	A	08/10/2021	UK/51/2021/0013
Great Western Railway	800	800311	B	08/10/2021	UK/51/2021/0013
Great Western Railway	800	800312	A	22/10/2021	UK/51/2021/0013
Great Western Railway	800	800312	B	22/10/2021	UK/51/2021/0013
Great Western Railway	800	800313	A	20/09/2021	UK/51/2021/0013
Great Western Railway	800	800313	B	20/09/2021	UK/51/2021/0013
Great Western Railway	800	800314	A	21/10/2021	UK/51/2021/0013
Great Western Railway	800	800314	B	21/10/2021	UK/51/2021/0013
Great Western Railway	800	800315	A	04/10/2021	UK/51/2021/0013
Great Western Railway	800	800315	B	04/10/2021	UK/51/2021/0013
Great Western Railway	800	800317	A	08/11/2021	UK/51/2021/0013
Great Western Railway	800	800317	B	08/11/2021	UK/51/2021/0013
Great Western Railway	800	800318	A	28/10/2021	UK/51/2021/0013
Great Western Railway	800	800318	B	28/10/2021	UK/51/2021/0013
Great Western Railway	800	800319	A	11/11/2021	UK/51/2021/0013
Great Western Railway	800	800319	B	11/11/2021	UK/51/2021/0013
Great Western Railway	800	800320	A	19/10/2021	UK/51/2021/0013
Great Western Railway	800	800320	B	19/10/2021	UK/51/2021/0013
Great Western Railway	800	800321	A	30/09/2021	UK/51/2021/0013
Great Western Railway	800	800321	B	30/09/2021	UK/51/2021/0013
Great Western Railway	802	802001	A	04/10/2021	UK/51/2021/0007
Great Western Railway	802	802001	B	04/10/2021	UK/51/2021/0007
Great Western Railway	802	802002	A	05/10/2021	UK/51/2021/0007
Great Western Railway	802	802002	B	05/10/2021	UK/51/2021/0007
Great Western Railway	802	802003	A	21/09/2021	UK/51/2021/0007
Great Western Railway	802	802003	B	21/09/2021	UK/51/2021/0007
Great Western Railway	802	802004	A	02/10/2021	UK/51/2021/0007
Great Western Railway	802	802004	B	02/10/2021	UK/51/2021/0007
Great Western Railway	802	802006	A	20/10/2021	UK/51/2021/0007
Great Western Railway	802	802006	B	20/10/2021	UK/51/2021/0007
Great Western Railway	802	802007	A	05/11/2021	UK/51/2021/0007
Great Western Railway	802	802007	B	05/11/2021	UK/51/2021/0007
Great Western Railway	802	802013	A	12/11/2021	UK/51/2021/0007
Great Western Railway	802	802013	B	12/11/2021	UK/51/2021/0007
Great Western Railway	802	802014	A	14/10/2021	UK/51/2021/0007
Great Western Railway	802	802014	B	14/10/2021	UK/51/2021/0007
Great Western Railway	802	802015	A	07/10/2021	UK/51/2021/0007
Great Western Railway	802	802015	B	07/10/2021	UK/51/2021/0007
Great Western Railway	802	802016	A	22/09/2021	UK/51/2021/0007

Great Western Railway	802	802016	B	22/09/2021	UK/51/2021/0007
Great Western Railway	802	802017	A	15/10/2021	UK/51/2021/0007
Great Western Railway	802	802017	B	15/10/2021	UK/51/2021/0007
Great Western Railway	802	802019	A	06/10/2021	UK/51/2021/0007
Great Western Railway	802	802019	B	06/10/2021	UK/51/2021/0007
Great Western Railway	802	802020	A	07/10/2021	UK/51/2021/0007
Great Western Railway	802	802020	B	07/10/2021	UK/51/2021/0007
Great Western Railway	802	802021	A	30/10/2021	UK/51/2021/0007
Great Western Railway	802	802021	B	30/10/2021	UK/51/2021/0007
Great Western Railway	802	802022	A	26/10/2021	UK/51/2021/0007
Great Western Railway	802	802022	B	26/10/2021	UK/51/2021/0007
Great Western Railway	802	802101	A	25/10/2021	UK/51/2021/0007
Great Western Railway	802	802101	B	25/10/2021	UK/51/2021/0007
Great Western Railway	802	802102	A	13/10/2021	UK/51/2021/0007
Great Western Railway	802	802102	B	13/10/2021	UK/51/2021/0007
Great Western Railway	802	802103	A	26/10/2021	UK/51/2021/0007
Great Western Railway	802	802103	B	26/10/2021	UK/51/2021/0007
Great Western Railway	802	802104	A	15/10/2021	UK/51/2021/0007
Great Western Railway	802	802104	B	26/10/2021	UK/51/2021/0007
Great Western Railway	802	802106	A	06/10/2021	UK/51/2021/0007
Great Western Railway	802	802106	B	06/10/2021	UK/51/2021/0007
Great Western Railway	802	802107	A	04/11/2021	UK/51/2021/0007
Great Western Railway	802	802107	B	04/11/2021	UK/51/2021/0007
Great Western Railway	802	802108	A	11/10/2021	UK/51/2021/0007
Great Western Railway	802	802108	B	11/10/2021	UK/51/2021/0007
Great Western Railway	802	802109	A	15/10/2021	UK/51/2021/0007
Great Western Railway	802	802109	B	15/10/2021	UK/51/2021/0007
Great Western Railway	802	802111	A	05/11/2021	UK/51/2021/0007
Great Western Railway	802	802111	B	05/11/2021	UK/51/2021/0007
Great Western Railway	802	802113	A	03/11/2021	UK/51/2021/0007
Great Western Railway	802	802113	B	03/11/2021	UK/51/2021/0007
Great Western Railway	802	802114	A	23/10/2021	UK/51/2021/0007
Great Western Railway	802	802114	B	23/10/2021	UK/51/2021/0007
Greater Anglia	321	321331	A	08/11/2021	UK/51/2020/0068
Greater Anglia	321	321331	B	08/11/2021	UK/51/2020/0068
Greater Anglia	321	321333	A	27/10/2021	UK/51/2020/0068
Greater Anglia	321	321333	B	27/10/2021	UK/51/2020/0068
Greater Anglia	321	321337	A	12/11/2021	UK/51/2020/0068
Greater Anglia	321	321337	B	12/11/2021	UK/51/2020/0068

Greater Anglia	321	321410	A	28/10/2021	UK/51/2020/0068
Greater Anglia	321	321410	B	28/10/2021	UK/51/2020/0068
Greater Anglia	321	321423	A	11/11/2021	UK/51/2020/0068
Greater Anglia	321	321423	B	11/11/2021	UK/51/2020/0068
Greater Anglia	321	321426	A	11/11/2021	UK/51/2020/0068
Greater Anglia	321	321426	B	11/11/2021	UK/51/2020/0068
Greater Anglia	321	321427	A	01/11/2021	UK/51/2020/0068
Greater Anglia	321	321427	B	01/11/2021	UK/51/2020/0068
Greater Anglia	321	321433	A	03/11/2021	UK/51/2020/0068
Greater Anglia	321	321433	B	03/11/2021	UK/51/2020/0068
Greater Anglia	321	321434	A	02/11/2021	UK/51/2020/0068
Greater Anglia	321	321434	B	02/11/2021	UK/51/2020/0068
Greater Anglia	321	321440	A	08/11/2021	UK/51/2020/0068
Greater Anglia	321	321440	B	08/11/2021	UK/51/2020/0068
Greater Anglia	321	321441	A	05/11/2021	UK/51/2020/0068
Greater Anglia	321	321441	B	05/11/2021	UK/51/2020/0068
Greater Anglia	321	321447	A	28/10/2021	UK/51/2020/0068
Greater Anglia	321	321447	B	28/10/2021	UK/51/2020/0068
Greater Anglia	755	755403	A	21/09/2021	UK/51/2021/0012
Greater Anglia	755	755403	B	21/09/2021	UK/51/2021/0012
Harry Needle Railroad Company	20	20118	A	28/09/2021	UK/51/2021/0027
Harry Needle Railroad Company	20	20901	A	28/09/2021	UK/51/2021/0027
Harry Needle Railroad Company	20	20905	A	13/10/2021	UK/51/2021/0027
HydroFLEX - Porterbrook	799	799201	A	04/10/2021	UK/51/2021/0069
HydroFLEX - Porterbrook	799	799201	B	04/10/2021	UK/51/2021/0069
LNER	91	91101	A	29/09/2021	UK/51/2021/0062
Locomotive Services	43	43058	A	21/09/2021	UK/51/2020/0056
Locomotive Services	43	43059	A	21/09/2021	UK/51/2020/0056
Merseyrail	507	507004	A	30/09/2021	UK/51/2020/0011
Merseyrail	507	507004	B	30/09/2021	UK/51/2020/0011
Merseyrail	507	507005	A	27/09/2021	UK/51/2020/0011
Merseyrail	507	507005	B	27/09/2021	UK/51/2020/0011
Merseyrail	507	507007	A	28/09/2021	UK/51/2020/0011
Merseyrail	507	507007	B	28/09/2021	UK/51/2020/0011
Merseyrail	507	507008	A	29/09/2021	UK/51/2020/0011
Merseyrail	507	507008	B	29/09/2021	UK/51/2020/0011
Merseyrail	507	507009	A	27/09/2021	UK/51/2020/0011



Merseyrail	507	507009	B	27/09/2021	UK/51/2020/0011
Merseyrail	507	507011	A	03/11/2021	UK/51/2020/0011
Merseyrail	507	507011	B	03/11/2021	UK/51/2020/0011
Merseyrail	507	507013	A	14/10/2021	UK/51/2020/0011
Merseyrail	507	507013	B	14/10/2021	UK/51/2020/0011
Merseyrail	507	507014	A	11/11/2021	UK/51/2020/0011
Merseyrail	507	507014	B	11/11/2021	UK/51/2020/0011
Merseyrail	507	507018	A	10/11/2021	UK/51/2020/0011
Merseyrail	507	507018	B	10/11/2021	UK/51/2020/0011
Merseyrail	507	507024	A	20/10/2021	UK/51/2020/0011
Merseyrail	507	507024	B	20/10/2021	UK/51/2020/0011
Merseyrail	507	507025	A	11/10/2021	UK/51/2020/0011
Merseyrail	507	507025	B	11/10/2021	UK/51/2020/0011
Merseyrail	507	507027	A	22/09/2021	UK/51/2020/0011
Merseyrail	507	507027	B	22/09/2021	UK/51/2020/0011
Merseyrail	507	507031	A	23/09/2021	UK/51/2020/0011
Merseyrail	507	507031	B	23/09/2021	UK/51/2020/0011
Merseyrail	507	507032	A	06/10/2021	UK/51/2020/0011
Merseyrail	507	507032	B	06/10/2021	UK/51/2020/0011
Merseyrail	508	508103	A	01/10/2021	UK/51/2020/0012
Merseyrail	508	508103	B	01/10/2021	UK/51/2020/0012
Merseyrail	508	508108	A	12/10/2021	UK/51/2020/0012
Merseyrail	508	508108	B	12/10/2021	UK/51/2020/0012
Merseyrail	508	508111	A	13/10/2021	UK/51/2020/0012
Merseyrail	508	508111	B	13/10/2021	UK/51/2020/0012
Merseyrail	508	508112	A	07/10/2021	UK/51/2020/0012
Merseyrail	508	508112	B	07/10/2021	UK/51/2020/0012
Merseyrail	508	508114	A	15/10/2021	UK/51/2020/0012
Merseyrail	508	508114	B	15/10/2021	UK/51/2020/0012
Merseyrail	508	508115	A	18/10/2021	UK/51/2020/0012
Merseyrail	508	508115	B	18/10/2021	UK/51/2020/0012
Merseyrail	508	508122	A	05/10/2021	UK/51/2020/0012
Merseyrail	508	508122	B	05/10/2021	UK/51/2020/0012
Merseyrail	508	508123	A	04/10/2021	UK/51/2020/0012
Merseyrail	508	508124	A	21/09/2021	UK/51/2020/0012
Merseyrail	508	508124	B	21/09/2021	UK/51/2020/0012
Merseyrail	508	508125	A	19/10/2021	UK/51/2020/0012
Merseyrail	508	508125	B	19/10/2021	UK/51/2020/0012
Merseyrail	508	508127	A	28/10/2021	UK/51/2020/0012

Merseyrail	508	508127	B	28/10/2021	UK/51/2020/0012
Merseyrail	508	508130	A	04/11/2021	UK/51/2020/0012
Merseyrail	508	508130	B	04/11/2021	UK/51/2020/0012
Merseyrail	508	508131	A	20/09/2021	UK/51/2020/0012
Merseyrail	508	508131	B	20/09/2021	UK/51/2020/0012
Merseyrail	508	508136	A	01/11/2021	UK/51/2020/0012
Merseyrail	508	508136	B	01/11/2021	UK/51/2020/0012
Merseyrail	508	508137	A	26/10/2021	UK/51/2020/0012
Merseyrail	508	508137	B	26/10/2021	UK/51/2020/0012
Merseyrail	508	508138	A	27/10/2021	UK/51/2020/0012
Merseyrail	508	508138	B	27/10/2021	UK/51/2020/0012
Merseyrail	508	508141	A	25/10/2021	UK/51/2020/0012
Merseyrail	508	508141	B	25/10/2021	UK/51/2020/0012
Merseyrail	508	508143	A	02/11/2021	UK/51/2020/0012
Merseyrail	508	508143	B	02/11/2021	UK/51/2020/0012
Mid-Norfolk Railway	144	144018	A	09/11/2021	UK/51/2021/0066
Mid-Norfolk Railway	144	144018	B	09/11/2021	UK/51/2021/0066
Mid-Norfolk Railway	82	82112	A	09/11/2021	UK/51/2020/0044
Mid-Norfolk Railway	82	82133	A	09/11/2021	UK/51/2020/0044
Network Rail	073	073114	A	13/10/2021	UK/51/2020/0018
Network Rail	073	073114	B	13/10/2021	UK/51/2020/0018
Network Rail	077	077904	A	13/10/2021	UK/51/2020/0019
Network Rail	077	077904	B	13/10/2021	UK/51/2020/0019
Network Rail	079	079102	A	27/10/2021	UK/51/2020/0070
Network Rail	079	079103	A	27/10/2021	UK/51/2020/0070
Network Rail	079	079104	A	01/11/2021	UK/51/2020/0070
Network Rail	079	079105	A	01/11/2021	UK/51/2020/0070
Network Rail	079	079266	A	09/10/2021	UK/51/2020/0070
Network Rail	079	079276	A	09/10/2021	UK/51/2020/0070
Network Rail	080	080208	A	05/10/2021	UK/51/2021/0042
Network Rail	080	080208	B	05/10/2021	UK/51/2021/0042
Preservation	143	143603	A	15/10/2021	UK/51/2021/0070
Preservation	143	143603	B	15/10/2021	UK/51/2021/0070
Preservation	143	143612	A	15/10/2021	UK/51/2021/0070
Preservation	143	143612	B	15/10/2021	UK/51/2021/0070
RAIL OPERATIONS GROUP	360	360201	A	19/10/2021	UK/51/2021/0053
RAIL OPERATIONS GROUP	360	360201	B	19/10/2021	UK/51/2021/0053
RAIL OPERATIONS GROUP	360	360202	A	19/10/2021	UK/51/2021/0053
RAIL OPERATIONS GROUP	360	360202	B	19/10/2021	UK/51/2021/0053

RAIL OPERATIONS GROUP	360	360203	A	19/10/2021	UK/51/2021/0053
RAIL OPERATIONS GROUP	360	360203	B	19/10/2021	UK/51/2021/0053
RAIL OPERATIONS GROUP	360	360204	A	19/10/2021	UK/51/2021/0053
RAIL OPERATIONS GROUP	360	360204	B	19/10/2021	UK/51/2021/0053
RAIL OPERATIONS GROUP	360	360205	A	19/10/2021	UK/51/2021/0053
RAIL OPERATIONS GROUP	360	360205	B	19/10/2021	UK/51/2021/0053
Riley & Son Ltd	98	98507	A	02/11/2021	UK/51/2020/0017
Riley & Son Ltd	98	98571	A	02/11/2021	UK/51/2020/0017
ROSCO Storage	37	37403	A	20/10/2021	UK/51/2020/0015
ROSCO Storage	82	82107	A	27/10/2021	UK/51/2020/0044
ROSCO Storage	82	82136	A	09/11/2021	UK/51/2020/0044
ROSCO Storage	82	82307	A	27/10/2021	UK/51/2020/0044
ROSCO Storage	91	91112	A	08/11/2021	UK/51/2021/0062
ROSCO Storage	91	91121	A	08/11/2021	UK/51/2021/0062
South Western Railway	701	701010	A	10/11/2021	UK/51/2020/0060
Steam Loco	98	98144	A	08/11/2021	UK/51/2020/0017
Steam Loco	98	98484	A	08/11/2021	UK/51/2020/0017
Steam Loco	98	98834	A	06/10/2021	UK/51/2020/0017
Transport for Wales	150	150213	A	30/09/2021	UK/51/2021/0009
Transport for Wales	150	150213	B	30/09/2021	UK/51/2021/0009
Transport for Wales	150	150227	A	22/09/2021	UK/51/2021/0009
Transport for Wales	150	150227	B	28/09/2021	UK/51/2021/0009
Transport for Wales	150	150235	A	08/10/2021	UK/51/2021/0009
Transport for Wales	150	150235	B	08/10/2021	UK/51/2021/0009
Transport for Wales	150	150236	A	24/09/2021	UK/51/2021/0009
Transport for Wales	150	150236	B	24/09/2021	UK/51/2021/0009
Transport for Wales	150	150240	A	23/09/2021	UK/51/2021/0009
Transport for Wales	150	150240	B	23/09/2021	UK/51/2021/0009
Transport for Wales	150	150241	A	26/10/2021	UK/51/2021/0009
Transport for Wales	150	150241	B	26/10/2021	UK/51/2021/0009
Transport for Wales	150	150242	A	24/10/2021	UK/51/2021/0009
Transport for Wales	150	150242	B	24/10/2021	UK/51/2021/0009
Transport for Wales	150	150245	A	20/10/2021	UK/51/2021/0009
Transport for Wales	150	150245	B	20/10/2021	UK/51/2021/0009
Transport for Wales	150	150250	A	22/09/2021	UK/51/2021/0009
Transport for Wales	150	150250	B	22/09/2021	UK/51/2021/0009
Transport for Wales	150	150254	A	29/09/2021	UK/51/2021/0009
Transport for Wales	150	150254	B	29/09/2021	UK/51/2021/0009
Transport for Wales	150	150255	A	22/10/2021	UK/51/2021/0009

Transport for Wales	150	150255	B	22/10/2021	UK/51/2021/0009
Transport for Wales	150	150257	A	20/09/2021	UK/51/2021/0009
Transport for Wales	150	150257	B	20/09/2021	UK/51/2021/0009
Transport for Wales	150	150258	A	13/10/2021	UK/51/2021/0009
Transport for Wales	150	150258	B	13/10/2021	UK/51/2021/0009
Transport for Wales	150	150260	A	07/10/2021	UK/51/2021/0009
Transport for Wales	150	150260	B	07/10/2021	UK/51/2021/0009
Transport for Wales	150	150262	A	10/10/2021	UK/51/2021/0009
Transport for Wales	150	150262	B	18/10/2021	UK/51/2021/0009
Transport for Wales	150	150264	A	21/10/2021	UK/51/2021/0009
Transport for Wales	150	150264	B	21/10/2021	UK/51/2021/0009
Transport for Wales	150	150267	A	05/10/2021	UK/51/2021/0009
Transport for Wales	150	150267	B	05/10/2021	UK/51/2021/0009
Transport for Wales	150	150278	A	12/10/2021	UK/51/2021/0009
Transport for Wales	150	150278	B	12/10/2021	UK/51/2021/0009
Transport for Wales	150	150279	A	28/09/2021	UK/51/2021/0009
Transport for Wales	150	150279	B	28/09/2021	UK/51/2021/0009
Transport for Wales	150	150280	A	13/10/2021	UK/51/2021/0009
Transport for Wales	150	150280	B	13/10/2021	UK/51/2021/0009
Transport for Wales	150	150281	A	08/10/2021	UK/51/2021/0009
Transport for Wales	150	150281	B	08/10/2021	UK/51/2021/0009
Transport for Wales	150	150284	A	29/09/2021	UK/51/2021/0009
Transport for Wales	150	150284	B	29/09/2021	UK/51/2021/0009
Transport for Wales	150	150285	A	06/10/2021	UK/51/2021/0009
Transport for Wales	150	150285	B	06/10/2021	UK/51/2021/0009
Transport for Wales	153	153312	A	21/09/2021	UK/51/2021/0024
Transport for Wales	153	153320	A	08/11/2021	UK/51/2021/0024
Transport for Wales	153	153325	A	27/10/2021	UK/51/2021/0024
Transport for Wales	153	153327	A	24/10/2021	UK/51/2021/0024
Transport for Wales	153	153329	A	11/10/2021	UK/51/2021/0024
Transport for Wales	153	153333	A	21/09/2021	UK/51/2021/0024
Transport for Wales	153	153353	A	09/11/2021	UK/51/2021/0024
Transport for Wales	153	153361	A	09/11/2021	UK/51/2021/0024
Transport for Wales	153	153362	A	26/10/2021	UK/51/2021/0024
Transport for Wales	153	153367	A	14/10/2021	UK/51/2021/0024
Transport for Wales	153	153368	A	20/09/2021	UK/51/2021/0024
Transport for Wales	153	153369	A	08/11/2021	UK/51/2021/0024
Transport for Wales	153	153909	A	21/10/2021	UK/51/2021/0024
Transport for Wales	153	153910	A	19/10/2021	UK/51/2021/0024

Transport for Wales	153	153913	A	18/10/2021	UK/51/2021/0024
Transport for Wales	153	153921	A	27/09/2021	UK/51/2021/0024
Transport for Wales	153	153922	A	06/10/2021	UK/51/2021/0024
Transport for Wales	153	153972	A	27/09/2021	UK/51/2021/0024
Transport for Wales	153	153982	A	08/11/2021	UK/51/2021/0024
Transport for Wales	158	158818	A	02/11/2021	UK/51/2020/0013
Transport for Wales	158	158818	B	02/11/2021	UK/51/2020/0013
Transport for Wales	158	158820	A	03/11/2021	UK/51/2020/0013
Transport for Wales	158	158820	B	03/11/2021	UK/51/2020/0013
Transport for Wales	158	158821	A	04/11/2021	UK/51/2020/0013
Transport for Wales	158	158821	B	04/11/2021	UK/51/2020/0013
Transport for Wales	158	158822	A	01/11/2021	UK/51/2020/0013
Transport for Wales	158	158822	B	01/11/2021	UK/51/2020/0013
Transport for Wales	158	158824	A	01/11/2021	UK/51/2020/0013
Transport for Wales	158	158824	B	01/11/2021	UK/51/2020/0013
Transport for Wales	158	158825	A	07/10/2021	UK/51/2020/0013
Transport for Wales	158	158825	B	07/10/2021	UK/51/2020/0013
Transport for Wales	158	158826	A	19/10/2021	UK/51/2020/0013
Transport for Wales	158	158826	B	19/10/2021	UK/51/2020/0013
Transport for Wales	158	158827	A	23/09/2021	UK/51/2020/0013
Transport for Wales	158	158827	B	23/09/2021	UK/51/2020/0013
Transport for Wales	158	158828	A	19/10/2021	UK/51/2020/0013
Transport for Wales	158	158828	B	19/10/2021	UK/51/2020/0013
Transport for Wales	158	158830	A	10/11/2021	UK/51/2020/0013
Transport for Wales	158	158830	B	10/11/2021	UK/51/2020/0013
Transport for Wales	158	158832	A	03/11/2021	UK/51/2020/0013
Transport for Wales	158	158832	B	03/11/2021	UK/51/2020/0013
Transport for Wales	158	158835	A	24/09/2021	UK/51/2020/0013
Transport for Wales	158	158835	B	24/09/2021	UK/51/2020/0013
Transport for Wales	158	158837	A	19/10/2021	UK/51/2020/0013
Transport for Wales	158	158837	B	19/10/2021	UK/51/2020/0013
Transport for Wales	158	158839	A	02/11/2021	UK/51/2020/0013
Transport for Wales	158	158839	B	02/11/2021	UK/51/2020/0013
Transport for Wales	170	170271	A	28/09/2021	UK/51/2020/0051
Transport for Wales	175	175001	A	11/11/2021	UK/51/2021/0068
Transport for Wales	175	175001	B	11/11/2021	UK/51/2021/0068
Transport for Wales	175	175003	A	13/10/2021	UK/51/2021/0068
Transport for Wales	175	175003	B	11/10/2021	UK/51/2021/0068
Transport for Wales	175	175004	A	10/11/2021	UK/51/2021/0068

Transport for Wales	175	175004	B	10/11/2021	UK/51/2021/0068
Transport for Wales	175	175006	A	14/10/2021	UK/51/2021/0068
Transport for Wales	175	175006	B	14/10/2021	UK/51/2021/0068
Transport for Wales	175	175007	A	27/10/2021	UK/51/2021/0068
Transport for Wales	175	175007	B	27/10/2021	UK/51/2021/0068
Transport for Wales	175	175008	A	12/10/2021	UK/51/2021/0068
Transport for Wales	175	175008	B	12/10/2021	UK/51/2021/0068
Transport for Wales	175	175010	A	09/11/2021	UK/51/2021/0068
Transport for Wales	175	175010	B	09/11/2021	UK/51/2021/0068
Transport for Wales	175	175011	A	24/10/2021	UK/51/2021/0068
Transport for Wales	175	175011	B	24/10/2021	UK/51/2021/0068
Transport for Wales	175	175101	A	28/09/2021	UK/51/2021/0068
Transport for Wales	175	175101	B	28/09/2021	UK/51/2021/0068
Transport for Wales	175	175102	A	30/09/2021	UK/51/2021/0068
Transport for Wales	175	175102	B	30/09/2021	UK/51/2021/0068
Transport for Wales	175	175103	A	04/10/2021	UK/51/2021/0068
Transport for Wales	175	175103	B	04/10/2021	UK/51/2021/0068
Transport for Wales	175	175105	A	05/10/2021	UK/51/2021/0068
Transport for Wales	175	175105	B	05/10/2021	UK/51/2021/0068
Transport for Wales	175	175106	A	12/10/2021	UK/51/2021/0068
Transport for Wales	175	175106	B	12/10/2021	UK/51/2021/0068
Transport for Wales	175	175107	A	27/09/2021	UK/51/2021/0068
Transport for Wales	175	175107	B	27/09/2021	UK/51/2021/0068
Transport for Wales	175	175108	A	22/10/2021	UK/51/2021/0068
Transport for Wales	175	175108	B	22/10/2021	UK/51/2021/0068
Transport for Wales	175	175109	A	27/10/2021	UK/51/2021/0068
Transport for Wales	175	175109	B	27/10/2021	UK/51/2021/0068
Transport for Wales	175	175112	A	12/10/2021	UK/51/2021/0068
Transport for Wales	175	175112	B	12/10/2021	UK/51/2021/0068
Transport for Wales	175	175113	A	18/10/2021	UK/51/2021/0068
Transport for Wales	175	175113	B	18/10/2021	UK/51/2021/0068
Transport for Wales	175	175115	A	13/10/2021	UK/51/2021/0068
Transport for Wales	175	175115	B	13/10/2021	UK/51/2021/0068
Transport for Wales	769	769008	A	04/10/2021	UK/51/2021/0010
Transport for Wales	769	769008	B	04/10/2021	UK/51/2021/0010
Transport for Wales	769	769421	A	21/09/2021	UK/51/2021/0010
Transport for Wales	769	769421	B	21/09/2021	UK/51/2021/0010
Transport for Wales	82	82306	A	22/10/2021	UK/51/2020/0044
Transport for Wales	82	82308	A	27/10/2021	UK/51/2020/0044

West Coast Railways	37	37518	A	13/10/2021	UK/51/2020/0015
West Coast Railways	89	89509	A	18/10/2021	UK/51/2021/0056
West Midlands Trains	170	170501	A	30/09/2021	UK/51/2020/0051
West Midlands Trains	170	170504	A	02/10/2021	UK/51/2020/0051
West Midlands Trains	170	170504	B	02/10/2021	UK/51/2020/0051
West Midlands Trains	170	170506	A	01/10/2021	UK/51/2020/0051
West Midlands Trains	170	170506	B	01/10/2021	UK/51/2020/0051
West Midlands Trains	170	170509	A	02/10/2021	UK/51/2020/0051
West Midlands Trains	170	170509	B	02/10/2021	UK/51/2020/0051
West Midlands Trains	170	170517	B	04/10/2021	UK/51/2020/0051
West Midlands Trains	170	170535	A	03/10/2021	UK/51/2020/0051
West Midlands Trains	170	170535	B	03/10/2021	UK/51/2020/0051

The restrictions or limitations of use on the structural subsystem are those referenced in the Determination of Type.

The rolling stock subsystem 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 declaration of conformity to an authorised type of railway vehicle, documentation recording any alterations, and maintenance manuals in relation to the subsystem, keeping them up to date and making them available to the ORR in accordance with Regulation 19.

If you are not the owner of the authorised subsystem you shall within 60 days, in accordance with Regulation 19(3), transfer the declaration of conformity to an authorised type of railway vehicle, documentation recording any alterations, and maintenance manuals in relation to the subsystem 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 declaration of conformity to an authorised type of railway vehicle, documentation recording any alterations, and maintenance manuals in relation to the subsystem 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.

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.

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

Yours sincerely



Steve Fletcher      ORR Deputy Director, Railway Planning and Performance

Cc

Ian Jones            Head of Interoperability, Safety and Standards DfT.

Ian Prosser         Director, Railway Safety, ORR.

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