

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

Your Ref : OP158365

R00003

Case Ref: PRM-IOP-0333

EIN Number : As listed

Date: 9th April 2020

Contact: Stephen Williams
3rd Floor, Mallard House, Kings Pool,
1-2 Peasholme Green,
York.
YO1 7PX.

Dear Steve.

THE RAILWAYS (INTEROPERABILITY) REGULATIONS 2011, AS AMENDED TYPE AUTHORISATION OF GSMR 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 type authorisation, received on 30th March 2020. Following 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
 - o 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
 - o Polomarconi T01811814
 - o Huber & Suhner Sencity Rail MIMO Antenna 1399.17.0222

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

This authorisation applies to the following inclusive.

Operator	Class	Vehicle	Cab	V4.0 Installation Date	EIN
A1 Steam Locomotive Trust	98	98863	Α	02/03/2020	UK/51/2020/0017
Colas Rail	073	073910	Α	16/03/2020	UK/51/2020/0018
Colas Rail	073	073910	В	16/03/2020	UK/51/2020/0018
Colas Rail	073	073923	Α	18/03/2020	UK/51/2020/0018
Colas Rail	073	073923	В	18/03/2020	UK/51/2020/0018
Colas Rail	075	075012	Α	12/03/2020	UK/51/2020/0016
Colas Rail	075	075012	В	12/03/2020	UK/51/2020/0016
Colas Rail	075	075407	Α	24/03/2020	UK/51/2020/0016
Colas Rail	075	075407	В	24/03/2020	UK/51/2020/0016
Colas Rail	077	077327	Α	19/03/2020	UK/51/2020/0019
Crossrail	345	345003	Α	21/03/2020	UK/51/2020/0020
Crossrail	345	345003	В	21/03/2020	UK/51/2020/0020
Crossrail	345	345004	Α	21/03/2020	UK/51/2020/0020
Crossrail	345	345004	В	21/03/2020	UK/51/2020/0020
Crossrail	345	345030	Α	21/03/2020	UK/51/2020/0020
Crossrail	345	345030	В	21/03/2020	UK/51/2020/0020
Crossrail	345	345034	Α	27/03/2020	UK/51/2020/0020
Crossrail	345	345034	В	27/03/2020	UK/51/2020/0020
Crossrail	345	345063	Α	25/03/2020	UK/51/2020/0020
Crossrail	345	345063	В	25/03/2020	UK/51/2020/0020
Crossrail	345	345066	Α	19/03/2020	UK/51/2020/0020
Crossrail	345	345066	В	19/03/2020	UK/51/2020/0020
Crossrail	345	345067	Α	20/03/2020	UK/51/2020/0020
Crossrail	345	345067	В	20/03/2020	UK/51/2020/0020
Crossrail	345	345068	Α	21/03/2020	UK/51/2020/0020
Crossrail	345	345068	В	21/03/2020	UK/51/2020/0020
Crossrail	345	345069	Α	19/03/2020	UK/51/2020/0020
Crossrail	345	345069	В	19/03/2020	UK/51/2020/0020
Crossrail	345	345070	Α	20/03/2020	UK/51/2020/0020
Crossrail	345	345070	В	20/03/2020	UK/51/2020/0020
Freightliner	59	59001	Α	02/03/2020	UK/51/2020/0021
Freightliner	59	59004	Α	03/03/2020	UK/51/2020/0021
Freightliner	59	59005	Α	10/03/2020	UK/51/2020/0021
Freightliner	59	59103	Α	09/03/2020	UK/51/2020/0021

Freightliner	59	59104	Α	03/03/2020	UK/51/2020/0021
Freightliner	59	59202	Α	02/03/2020	UK/51/2020/0021
Freightliner	59	59203	Α	09/03/2020	UK/51/2020/0021
Freightliner	59	59204	Α	03/03/2020	UK/51/2020/0021
Freightliner	59	59205	Α	04/03/2020	UK/51/2020/0021
Freightliner	59	59206	Α	10/03/2020	UK/51/2020/0021
Freightliner	66	66513	Α	04/03/2020	UK/51/2020/0001
Freightliner	66	66515	Α	25/03/2020	UK/51/2020/0001
Freightliner	66	66526	Α	06/03/2020	UK/51/2020/0001
Freightliner	66	66529	Α	09/03/2020	UK/51/2020/0001
Freightliner	66	66537	Α	04/03/2020	UK/51/2020/0001
Freightliner	66	66539	Α	05/03/2020	UK/51/2020/0001
Freightliner	66	66549	Α	12/03/2020	UK/51/2020/0001
Freightliner	66	66566	Α	12/03/2020	UK/51/2020/0001
Freightliner	66	66585	Α	18/03/2020	UK/51/2020/0001
Freightliner	66	66587	Α	06/03/2020	UK/51/2020/0001
Freightliner	66	66599	Α	25/03/2020	UK/51/2020/0001
Freightliner	66	66601	Α	05/03/2020	UK/51/2020/0001
Freightliner	66	66605	Α	18/03/2020	UK/51/2020/0001
Freightliner	66	66613	Α	22/03/2020	UK/51/2020/0001
Freightliner	66	66953	Α	26/03/2020	UK/51/2020/0001
Freightliner	66	66955	Α	06/03/2020	UK/51/2020/0001
Freightliner	66	66956	Α	13/03/2020	UK/51/2020/0001
Freightliner	66	66957	Α	23/03/2020	UK/51/2020/0001
Freightliner	70	70001	Α	11/03/2020	UK/51/2020/0002
Freightliner	70	70002	Α	11/03/2020	UK/51/2020/0002
Freightliner	70	70004	Α	04/03/2020	UK/51/2020/0002
Freightliner	70	70006	Α	04/03/2020	UK/51/2020/0002
Freightliner	70	70007	Α	03/03/2020	UK/51/2020/0002
Freightliner	70	70014	Α	03/03/2020	UK/51/2020/0002
Freightliner	70	70016	Α	03/03/2020	UK/51/2020/0002
Freightliner	70	70020	Α	11/03/2020	UK/51/2020/0002
Freightliner	86	86609	Α	26/03/2020	UK/51/2020/0003
Freightliner	86	86609	В	26/03/2020	UK/51/2020/0003
Freightliner	86	86627	Α	18/03/2020	UK/51/2020/0003
Freightliner	86	86627	В	18/03/2020	UK/51/2020/0003
Freightliner	90	90047	Α	26/03/2020	UK/51/2020/0004
GB Railfreight	66	66750	Α	26/03/2020	UK/51/2020/0001
Govia Thameslink Railway	171	171726	Α	16/03/2020	UK/51/2020/0005
Govia Thameslink Railway	171	171726	В	16/03/2020	UK/51/2020/0005
Govia Thameslink Railway	313	313210	Α	13/03/2020	UK/51/2020/0006
Govia Thameslink Railway	313	313210	В	13/03/2020	UK/51/2020/0006

Govia Thameslink Railway	313	313213	Α	26/03/2020	UK/51/2020/0006
Govia Thameslink Railway	313	313213	В	26/03/2020	UK/51/2020/0006
Govia Thameslink Railway	313	313220	Α	05/03/2020	UK/51/2020/0006
Govia Thameslink Railway	313	313220	В	05/03/2020	UK/51/2020/0006
Govia Thameslink Railway	365	365504	Α	14/03/2020	UK/51/2020/0007
Govia Thameslink Railway	365	365504	В	14/03/2020	UK/51/2020/0007
Govia Thameslink Railway	365	365506	Α	26/03/2020	UK/51/2020/0007
Govia Thameslink Railway	365	365506	В	26/03/2020	UK/51/2020/0007
Govia Thameslink Railway	365	365514	Α	19/03/2020	UK/51/2020/0007
Govia Thameslink Railway	365	365514	В	19/03/2020	UK/51/2020/0007
Govia Thameslink Railway	365	365516	Α	13/03/2020	UK/51/2020/0007
Govia Thameslink Railway	365	365516	В	13/03/2020	UK/51/2020/0007
Govia Thameslink Railway	365	365534	Α	26/03/2020	UK/51/2020/0007
Govia Thameslink Railway	365	365534	В	26/03/2020	UK/51/2020/0007
Govia Thameslink Railway	377	377101	Α	13/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377101	В	13/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377108	Α	17/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377108	В	17/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377125	Α	25/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377125	В	25/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377136	Α	19/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377136	В	19/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377143	Α	03/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377143	В	03/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377144	Α	02/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377144	В	02/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377145	Α	25/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377145	В	25/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377154	Α	17/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377154	В	17/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377155	Α	16/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377155	В	16/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377161	Α	11/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377161	В	11/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377316	Α	05/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377316	В	05/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377318	Α	02/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377327	Α	03/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377327	В	04/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377342	Α	04/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377342	В	04/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377408	Α	25/03/2020	UK/51/2020/0008

Govia Thameslink Railway	377	377408	В	25/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377409	Α	26/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377409	В	26/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377411	Α	28/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377411	В	28/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377413	Α	13/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377413	В	16/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377418	Α	20/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377418	В	20/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377420	Α	17/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377420	В	17/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377435	Α	26/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377435	В	26/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377436	Α	05/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377436	В	05/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377443	Α	18/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377443	В	18/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377451	Α	06/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377451	В	06/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377457	Α	18/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377457	В	18/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377462	Α	26/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377462	В	26/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377474	Α	26/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377474	В	26/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377475	Α	25/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377475	В	25/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377604	Α	19/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377604	В	19/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377608	Α	12/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377608	В	12/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377613	Α	18/03/2020	UK/51/2020/0008
Govia Thameslink Railway	377	377613	В	18/03/2020	UK/51/2020/0008
Govia Thameslink Railway	387	387106	Α	23/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387106	В	23/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387108	Α	23/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387108	В	23/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387112	Α	16/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387112	В	16/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387113	Α	03/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387113	В	03/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387118	Α	26/03/2020	UK/51/2020/0009

Govia Thameslink Railway	387	387118	В	26/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387121	Α	25/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387121	В	25/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387123	Α	20/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387123	В	20/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387124	Α	03/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387124	В	03/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387127	Α	25/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387127	В	25/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387128	Α	11/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387128	В	11/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387129	Α	17/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387129	В	19/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387201	Α	28/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387201	В	28/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387205	Α	16/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387205	В	16/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387207	Α	09/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387207	В	09/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387208	Α	15/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387208	В	15/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387212	Α	15/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387212	В	15/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387218	Α	27/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387218	В	27/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387224	Α	11/03/2020	UK/51/2020/0009
Govia Thameslink Railway	387	387224	В	11/03/2020	UK/51/2020/0009
Govia Thameslink Railway	455	455826	Α	27/03/2020	UK/51/2020/0010
Govia Thameslink Railway	455	455826	В	27/03/2020	UK/51/2020/0010
Govia Thameslink Railway	455	455838	Α	02/03/2020	UK/51/2020/0010
Network Rail	098	098008	Α	18/03/2020	UK/51/2020/0022
North Yorkshire Moors Railway	25	25278	Α	11/03/2020	UK/51/2020/0023
South Western Railway	158	158880	Α	15/03/2020	UK/51/2020/0013
Southeastern	395	395001	Α	15/03/2020	UK/51/2020/0024
Southeastern	395	395001	В	15/03/2020	UK/51/2020/0024
Southeastern	395	395002	Α	16/03/2020	UK/51/2020/0024
Southeastern	395	395002	В	16/03/2020	UK/51/2020/0024
Southeastern	395	395003	Α	17/03/2020	UK/51/2020/0024
Southeastern	395	395003	В	17/03/2020	UK/51/2020/0024
Southeastern	395	395004	Α	18/03/2020	UK/51/2020/0024
Southeastern	395	395004	В	18/03/2020	UK/51/2020/0024
Southeastern	395	395005	Α	19/03/2020	UK/51/2020/0024

Southeastern	395	395005	В	19/03/2020	UK/51/2020/0024
Southeastern	395	395006	Α	20/03/2020	UK/51/2020/0024
Southeastern	395	395006	В	20/03/2020	UK/51/2020/0024
Southeastern	395	395007	Α	21/03/2020	UK/51/2020/0024
Southeastern	395	395007	В	21/03/2020	UK/51/2020/0024
Southeastern	395	395008	Α	22/03/2020	UK/51/2020/0024
Southeastern	395	395008	В	22/03/2020	UK/51/2020/0024
Southeastern	395	395009	Α	23/03/2020	UK/51/2020/0024
Southeastern	395	395009	В	23/03/2020	UK/51/2020/0024
Southeastern	395	395010	Α	24/03/2020	UK/51/2020/0024
Southeastern	395	395010	В	24/03/2020	UK/51/2020/0024
Southeastern	395	395011	Α	12/03/2020	UK/51/2020/0024
Southeastern	395	395011	В	13/03/2020	UK/51/2020/0024
Southeastern	395	395012	Α	26/03/2020	UK/51/2020/0024
Southeastern	395	395012	В	26/03/2020	UK/51/2020/0024
Southeastern	395	395013	Α	27/03/2020	UK/51/2020/0024
Southeastern	395	395013	В	27/03/2020	UK/51/2020/0024
Southeastern	395	395014	Α	14/03/2020	UK/51/2020/0024
Southeastern	395	395014	В	14/03/2020	UK/51/2020/0024
Southeastern	395	395015	Α	15/03/2020	UK/51/2020/0024
Southeastern	395	395015	В	15/03/2020	UK/51/2020/0024
Southeastern	395	395016	Α	27/03/2020	UK/51/2020/0024
Southeastern	395	395016	В	28/03/2020	UK/51/2020/0024
Southeastern	395	395017	Α	18/03/2020	UK/51/2020/0024
Southeastern	395	395017	В	18/03/2020	UK/51/2020/0024
Southeastern	395	395018	Α	16/03/2020	UK/51/2020/0024
Southeastern	395	395018	В	16/03/2020	UK/51/2020/0024
Southeastern	395	395019	Α	19/03/2020	UK/51/2020/0024
Southeastern	395	395019	В	19/03/2020	UK/51/2020/0024
Southeastern	395	395020	Α	20/03/2020	UK/51/2020/0024
Southeastern	395	395020	В	20/03/2020	UK/51/2020/0024
Southeastern	395	395021	Α	21/03/2020	UK/51/2020/0024
Southeastern	395	395021	В	21/03/2020	UK/51/2020/0024
Southeastern	395	395022	Α	22/03/2020	UK/51/2020/0024
Southeastern	395	395022	В	22/03/2020	UK/51/2020/0024
Southeastern	395	395023	Α	23/03/2020	UK/51/2020/0024
Southeastern	395	395023	В	29/03/2020	UK/51/2020/0024
Southeastern	395	395024	Α	24/03/2020	UK/51/2020/0024
Southeastern	395	395024	В	24/03/2020	UK/51/2020/0024
Southeastern	395	395025	Α	25/03/2020	UK/51/2020/0024
Southeastern	395	395025	В	25/03/2020	UK/51/2020/0024
Southeastern	395	395026	Α	12/03/2020	UK/51/2020/0024

Southeastern	395	395026	В	11/03/2020	UK/51/2020/0024
Southeastern	395	395027	Α	27/03/2020	UK/51/2020/0024
Southeastern	395	395027	В	27/03/2020	UK/51/2020/0024
Southeastern	395	395028	Α	13/03/2020	UK/51/2020/0024
Southeastern	395	395028	В	13/03/2020	UK/51/2020/0024
Southeastern	395	395029	Α	14/03/2020	UK/51/2020/0024
Southeastern	395	395029	В	14/03/2020	UK/51/2020/0024
West Midlands Trains	323	323205	Α	18/03/2020	UK/51/2020/0025
West Midlands Trains	323	323205	В	18/03/2020	UK/51/2020/0025
West Midlands Trains	323	323209	Α	05/03/2020	UK/51/2020/0025
West Midlands Trains	323	323209	В	05/03/2020	UK/51/2020/0025
West Midlands Trains	323	323211	Α	12/03/2020	UK/51/2020/0025
West Midlands Trains	323	323211	В	12/03/2020	UK/51/2020/0025
West Midlands Trains	323	323213	Α	27/03/2020	UK/51/2020/0025
West Midlands Trains	323	323213	В	27/03/2020	UK/51/2020/0025
West Midlands Trains	323	323218	Α	17/03/2020	UK/51/2020/0025
West Midlands Trains	323	323218	В	17/03/2020	UK/51/2020/0025
West Midlands Trains	350	350238	Α	20/03/2020	UK/51/2020/0026

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.

Сс

Ian Jones Head of Interoperability, Safety and Standards DfT

Ian Prosser Director, Railway Safety

National Vehicle Register nvr@networkrail.co.uk

David Galloway Head of Vehicle Compatibility, Network Rail.

Pete Gracey Head of Interoperability and Rail Vehicle Engineering,

ORR.