

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-0327

29 January 2024

**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 AVENTRA CL730/0 AND CL730/2 EMU TRAINS FOR**  
**SINGLE AND MULTIPLE UNIT OPERATION**

I refer to your application for submission, received on 3 October 2023 and updated on 29 January 2024.

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 of electric multiple unit Class 730/2 trainsets numbered 730201 – 730236, and also for the placing in service of Class 730/0 trainsets numbered 730001 – 730048 which have been upgraded for operation in multiple with Class 730/2. The individual vehicle numbers are listed in the annex to this letter.

The restrictions or limitations of use on the structural subsystem are those contained in your Technical Files:

UKDV Technical File: reference 3EER400032-5646.  
ApBo & DeBo Technical File : RTV-5202917-R010

The Technical File should be kept up to date.

The rolling stock subsystems 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 will be issued with a determination of type in accordance with Commission Implementing Decision 2011/665/EC. The person who applied for the authorisation to place in service will receive the type authorisation after providing the data to the Registration Entity in accordance with Annex II of Commission Implementing Decision 2011/665/EC.

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 these rolling stock subsystems.

This decision letter will be published on the ORR website.

Yours sincerely

**Richard Hines**  
**HM Deputy Chief Inspector of Railways**

cc:

Ian Prosser  
James Le Grice  
Dave Galloway  
National Vehicle Register  
Umar Ali  
Giles Turner

Director, Railway Safety Directorate, ORR  
Head of Interoperability, DfT  
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HM Principal Inspector of Railways, ORR  
Head of Interoperability, ORR

## **Annex – Vehicle numbers**

Class 730 3-car vehicle numbers

CLASS	UNIT	DM1(Met)		PMLW(Met)		DM2(Met)	
		EL2490A		ER2500A		EL2490A	
		(Domestic)	(European)	(Domestic)	(European)	(Domestic)	(European)
730/0	730001	490001	947004900017	492001	947004920015	494001	947004940013
730/0	730002	490002	947004900025	492002	947004920023	494002	947004940021
730/0	730003	490003	947004900033	492003	947004920031	494003	947004940039
730/0	730004	490004	947004900041	492004	947004920049	494004	947004940047
730/0	730005	490005	947004900058	492005	947004920056	494005	947004940054
730/0	730006	490006	947004900066	492006	947004920064	494006	947004940062
730/0	730007	490007	947004900074	492007	947004920072	494007	947004940070
730/0	730008	490008	947004900082	492008	947004920080	494008	947004940088
730/0	730009	490009	947004900090	492009	947004920098	494009	947004940096
730/0	730010	490010	947004900108	492010	947004920106	494010	947004940104
730/0	730011	490011	947004900116	492011	947004920114	494011	947004940112
730/0	730012	490012	947004900124	492012	947004920122	494012	947004940120
730/0	730013	490013	947004900132	492013	947004920130	494013	947004940138
730/0	730014	490014	947004900140	492014	947004920148	494014	947004940146
730/0	730015	490015	947004900157	492015	947004920155	494015	947004940153
730/0	730016	490016	947004900165	492016	947004920163	494016	947004940161
730/0	730017	490017	947004900173	492017	947004920171	494017	947004940179
730/0	730018	490018	947004900181	492018	947004920189	494018	947004940187
730/0	730019	490019	947004900199	492019	947004920197	494019	947004940195
730/0	730020	490020	947004900207	492020	947004920205	494020	947004940203
730/0	730021	490021	947004900215	492021	947004920213	494021	947004940211
730/0	730022	490022	947004900223	492022	947004920221	494022	947004940229
730/0	730023	490023	947004900231	492023	947004920239	494023	947004940237
730/0	730024	490024	947004900249	492024	947004920247	494024	947004940245
730/0	730025	490025	947004900256	492025	947004920254	494025	947004940252
730/0	730026	490026	947004900264	492026	947004920262	494026	947004940260
730/0	730027	490027	947004900272	492027	947004920270	494027	947004940278
730/0	730028	490028	947004900280	492028	947004920288	494028	947004940286
730/0	730029	490029	947004900298	492029	947004920296	494029	947004940294
730/0	730030	490030	947004900306	492030	947004920304	494030	947004940302
730/0	730031	490031	947004900314	492031	947004920312	494031	947004940310
730/0	730032	490032	947004900322	492032	947004920320	494032	947004940328
730/0	730033	490033	947004900330	492033	947004920338	494033	947004940336
730/0	730034	490034	947004900348	492034	947004920346	494034	947004940344
730/0	730035	490035	947004900355	492035	947004920353	494035	947004940351
730/0	730036	490036	947004900363	492036	947004920361	494036	947004940369
730/0	730037	490037	947004900371	492037	947004920379	494037	947004940377
730/0	730038	490038	947004900389	492038	947004920387	494038	947004940385
730/0	730039	490039	947004900397	492039	947004920395	494039	947004940393
730/0	730040	490040	947004900405	492040	947004920403	494040	947004940401
730/0	730041	490041	947004900413	492041	947004920411	494041	947004940419
730/0	730042	490042	947004900421	492042	947004920429	494042	947004940427
730/0	730043	490043	947004900439	492043	947004920437	494043	947004940435
730/0	730044	490044	947004900447	492044	947004920445	494044	947004940443
730/0	730045	490045	947004900454	492045	947004920452	494045	947004940450
730/0	730046	490046	947004900462	492046	947004920460	494046	947004940468
730/0	730047	490047	947004900470	492047	947004920478	494047	947004940476
730/0	730048	490048	947004900488	492048	947004920486	494048	947004940484

Class 730 5-car vehicle numbers

CLASS	UNIT	DM(LD)		M1L(LD)		PMLW(LD)		M2L(LD)		DMC(LD)	
		EL2510A		ER2560A		ER2550A		ER2540A		EA3160A	
		(Domestic)	(European)	(Domestic)	(European)	(Domestic)	(European)	(Domestic)	(European)	(Domestic)	(European)
730/2	730201	490201	947004902013	491201	947004912012	492201	947004922011	493201	947004932010	494201	947004942019
730/2	730202	490202	947004902021	491202	947004912020	492202	947004922029	493202	947004932028	494202	947004942027
730/2	730203	490203	947004902039	491203	947004912038	492203	947004922037	493203	947004932036	494203	947004942035
730/2	730204	490204	947004902047	491204	947004912046	492204	947004922045	493204	947004932044	494204	947004942043
730/2	730205	490205	947004902054	491205	947004912053	492205	947004922052	493205	947004932051	494205	947004942050
730/2	730206	490206	947004902062	491206	947004912061	492206	947004922060	493206	947004932069	494206	947004942068
730/2	730207	490207	947004902070	491207	947004912079	492207	947004922078	493207	947004932077	494207	947004942076
730/2	730208	490208	947004902088	491208	947004912087	492208	947004922086	493208	947004932085	494208	947004942084
730/2	730209	490209	947004902096	491209	947004912095	492209	947004922094	493209	947004932093	494209	947004942092
730/2	730210	490210	947004902104	491210	947004912103	492210	947004922102	493210	947004932101	494210	947004942100
730/2	730211	490211	947004902112	491211	947004912111	492211	947004922110	493211	947004932119	494211	947004942118
730/2	730212	490212	947004902120	491212	947004912129	492212	947004922128	493212	947004932127	494212	947004942126
730/2	730213	490213	947004902138	491213	947004912137	492213	947004922136	493213	947004932135	494213	947004942134
730/2	730214	490214	947004902146	491214	947004912145	492214	947004922144	493214	947004932143	494214	947004942142
730/2	730215	490215	947004902153	491215	947004912152	492215	947004922151	493215	947004932150	494215	947004942159
730/2	730216	490216	9.47005E+11	491216	947004912160	492216	947004922169	493216	947004932168	494216	947004942167
730/2	730217	490217	947004902179	491217	947004912178	492217	947004922177	493217	947004932176	494217	947004942175
730/2	730218	490218	947004902187	491218	947004912186	492218	947004922185	493218	947004932184	494218	947004942183
730/2	730219	490219	947004902195	491219	947004912194	492219	947004922193	493219	947004932192	494219	947004942191
730/2	730220	490220	947004902203	491220	947004912202	492220	947004922201	493220	947004932200	494220	947004942209
730/2	730221	490221	947004902211	491221	947004912210	492221	947004922219	493221	947004932218	494221	947004942217
730/2	730222	490222	947004902229	491222	947004912228	492222	947004922227	493222	947004932226	494222	947004942225
730/2	730223	490223	947004902237	491223	947004912236	492223	947004922235	493223	947004932234	494223	947004942233
730/2	730224	490224	947004902245	491224	947004912244	492224	947004922243	493224	947004932242	494224	947004942241
730/2	730225	490225	947004902252	491225	947004912251	492225	947004922250	493225	947004932259	494225	947004942258
730/2	730226	490226	947004902260	491226	947004912269	492226	947004922268	493226	947004932267	494226	947004942266
730/2	730227	490227	947004902278	491227	947004912277	492227	947004922276	493227	947004932275	494227	947004942274
730/2	730228	490228	947004902286	491228	947004912285	492228	947004922284	493228	947004932283	494228	947004942282
730/2	730229	490229	947004902294	491229	947004912293	492229	947004922292	493229	947004932291	494229	947004942290
730/2	730230	490230	947004902302	491230	947004912301	492230	947004922300	493230	947004932309	494230	947004942308
730/2	730231	490231	947004902310	491231	947004912319	492231	947004922318	493231	947004932317	494231	947004942316
730/2	730232	490232	947004902328	491232	947004912327	492232	947004922326	493232	947004932325	494232	947004942324
730/2	730233	490233	947004902336	491233	947004912335	492233	947004922334	493233	947004932333	494233	947004942332
730/2	730234	490234	947004902344	491234	947004912343	492234	947004922342	493234	947004932341	494234	947004942340
730/2	730235	490235	947004902351	491235	947004912350	492235	947004922359	493235	947004932358	494235	947004942357
730/2	730236	490236	947004902369	491236	947004912368	492236	947004922367	493236	947004932366	494236	947004942365