

Bogdan Lupu
Enterprise House
Paddington
London
W26JX

Our Ref
PRM-IOP-0447

IN Number
UK/61/2022/0009

Date 01/09/2022

**Contact: Luisa Freitas
Senior Civil Engineer**

Dear Bogdan

**THE RAILWAYS (INTEROPERABILITY) REGULATIONS 2011, AS AMENDED
AP10 Crossrail Anglia Infrastructure (Pudding Mill Lane – Shenfield)**

I refer to your application letter for authorisation received on the 08/08/2022. 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 in service of the Crossrail On Network Works AP10 Crossrail Anglia Infrastructure (Pudding Mill Lane – Shenfield), defined by the following limits:

Limit of Authorisation Area or Station	Mileage Boundaries	Track Id UM = Up main, DE = Down Electric	Engineers Line Reference
Pudding Mill Lane	*2m 78ch to 3m 51ch	UM = 1100 DM = 2100 UE = 1152 DE = 2152	LTN1
Ilford Track Works	7m 20ch to 7m 52ch	UM = 1100 DM = 2100 UE = 1152 DE = 2152	LTN1
Chadwell Heath Turn-back	9m 57ch to 11m 41ch	UM = 1100 DM = 2100 UE = 1152 DE = 2152	LTN1
Gidea Park Sidings	13m 55ch to 14m 15ch	UM = 1100 DM = 2100 UE = 1152 DE = 2152	LTN1
Brentwood Crossover	18m 16ch to 18m 24ch	UM = 1100 DM = 2100	LTN1

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Shenfield West	19m 63ch to 20m 19ch	UM = 1100 DM = 2100 UE = 1152 DE = 2152	LTN1
Shenfield East NB Platform No 6	20m 16ch to 20m 50ch	UM = 1100 DM = 2100 UE = 1152 DE = 2152	LTN1
* The CRL/NR boundary at Pudding Mill Lane is at approximately 5438m (CRL-ONW mileage) as per NPM1E-ETR-DRG-COS-001004 -Y01 to Turnouts in Electric Lines. Note that this is the Western side of Northern Outfall Sewer Bridge.			

ORR notes that the ApBo letter, dated 07/06/2022 confirms the closure of the conditions in the Annex to Ricardo's EC Certificate of Verification (NoBo), Certificate Number: 2673/6/SG/2019/INF/EN/N20190552. The observations and agreed actions from the visits are recorded in the following site visit report:

- AP10 Shenfield Station Site Visits Issue 3, 298673-A0099

Of the outstanding conditions in the Annex to Ricardo's EC Certificate of Verification (NoBo), nineteen have been closed as compliant.

The condition of use of the structural subsystem is the one listed on the Declaration of Verification reference XPM1B-MPM-CER-NCA-000011, Version A01, dated 05/08/2022 and described in the NoBo/DeBo Verification Report reference 298673-A0041, issue 3.0, dated 09/09/2019 and ApBo addendum letter dated 07/06/2022.

The outstanding condition must be met within the timescales specified that is reproduced below for convenience.

Condition 1 - INF NTSN clauses 4.2.9.2 and 4.2.9.3 (7.7.17.6 and 7.7.17.7 UK network for GB) – Platform Height and Offset: 'As-built' values are outside of the permitted tolerance in the national technical rule GIRT 7020, clause 2.2.1.1 The project entity has received a temporary deviation from RSSB certificate number: 21-053 DEV valid until May 2023.

Before expiry of the RSSB temporary deviation authority (to which RSSB certificate number 21-053 DEV applies), the project entity shall reconcile the non-compliance of platform offsets at Shenfield Station.

Completion date: by 31 May 2023

Closure of the above condition is to be completed by the date specified and reported to ORR.

In 2019 the Anglia System Review Panel (Anglia SRP) endorsed this project and were satisfied that any identified hazards, both legacy and residual, had been adequately closed and/or transferred to the appropriate body before placing in service in accordance with the Declaration of Control of Risk DoCoR (Reference: NAA1E-ESS-CER-NCA000002, version A01, dated 4/09/2019).

The infrastructure 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.

Please note that the person who applied for the authorisation shall send particulars to the owner of the infrastructure to enable the owner of the infrastructure to enter the items on the Register of Infrastructure in accordance with Table 1 Commission Implementing Decision 2011/633/EU. 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 infrastructure subsystem(s).

This decision letter will be published on ORR's website

Yours sincerely

A handwritten signature in black ink, appearing to read 'Steve Fletcher', written in a cursive style.

Steve Fletcher

Deputy Director, Engineering & Asset Management

Cc

James Le Grice	Head of Interoperability, Safety and Standards DfT
Rob Jones	Eastern SRP Chair
David Galloway	NRAP Head of System Compatibility, NR
Ian Prosser	HM Chief Inspector of Railways, ORR
Dermot Kelly	Head of Civil Engineering, ORR
Pete Gracey	Head of Interoperability and Rail Vehicle Engineering, ORR
Catherine Hui	HM Principal Inspector of Railways, ORR