

RFLI - Rail for London (Infrastructure) Ltd

Document Number: RFLI-TIM-PE-OPR-0005

Revision: 1.1

Revision Date: November 2018

Crossrail Central Operating Section Engineering Access Statement 2020

Applicable from Sunday 15th December 2019 to Saturday 12th December 2020

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Document History

Revision	Date	Change
1.0	14/09/2018	First Issue: - CCOS EAS Proposal
1.1	20/11/2018	Address updated. Section 7 date error corrected

Record of Holds in Document

Specify any Holds within the document.

Hold No	Section	Description of Hold	

Revision Tracking

Specify significant change from previous revisions of the document. (From Rev. 1.0 onwards)

Revision	Section	Description of Change	

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1. INTRODUCTION

1.1 Purpose

- 1.1.1 The purpose of this document is to define the Engineering Access Statement (EAS) for the Crossrail Central Operating Section (CCOS) for the period commencing Sunday 15 December 2019 to Saturday 12 December 2020.
- 1.1.2 CCOS EAS defines the standard times during which inspection, maintenance and renewal activities will take place and identifies occasions when additional works will be necessary during traffic hours for for such work to be undertaken.
- 1.1.3 This EAS has been prepared in accordance with Rail for London (Infrastructure) Limited (RFLI) CCOS Network Code (clause D2.2) and meets the requirements of CRL1-XRL-O8-RSP-CR001-50015 (Rev 4.0) Crossrail Programme Functional Requirement Baseline 7.0 (CPFR).

1.2 Scope

- 1.2.1 This document is applicable to the CCOS owned and operated by RFLI.

1.3 Reference Documentation

- 1.3.1 CCOS Network Code Part D (Timetable Change)
- 1.3.2 CRL1-XRL-O8-RSP-CR001-50015 - Crossrail Programme Functional Requirement Baseline 7.0
- 1.3.3 CCOS Rule Book - Module COS/T3
- 1.3.4 RFLI-GEN-SD-SDD-0001- Principles, Timescales and Functional Responsibilities for CCOS Engineering Access Planning

1.4 Applications for Possessions

- 1.4.1 Applications for possessions should be made at all times in accordance with RFLI's possession planning process. For particular details of the mechanism for applying for possessions, contact the RFLI Network Strategy and Performance (NS&P) team.
- 1.4.2 The information required at the application stage is provided in clause 3.1 below.
- 1.4.3 Sequence of activities:
- Continuous Engineering Access Planning (a 5 year rolling horizon)
 - TT-61 to TT-45 Develop and publish CCOS EAS
 - T-44 to T-26 Build the Period Possession Plan
 - T-26 to T-12 Amend the Weekly Timetable
 - T-12 to T-4 Finalise the Weekly Delivery Plans
 - T-4 to T-0 Make network available for Short Term Plan (STP) services

1.5 Specific Planning Arrangements

- 1.5.1 Possessions within the times defined in Section 4 of this document must be given up for the passage of Structure Gauging, Ultrasonic Test, or any other infrastructure inspection, measurement and testing trains as determined by RFLI.
- 1.5.2 Production timetable planning teams must receive confirmation from the RFLI NS&P Team prior to submitting a train schedule that runs foul of possessions in the CCOS EAS.
- 1.5.3 To deliver the operational objectives stated in CCOS Network Code Part H, before requesting a disruptive possession, consideration should be given to:
- potential alternative approaches to avoid the need for a disruptive possession;
 - making safe use of bi-directional working (subject to platform crowd management);
 - use of an existing possession;
 - releasing parts of the line during a possession (e.g staggered start and finish times for each line); or
 - Using fewer longer or more shorter possessions.

1.6 Train Operating Company Consultation

- 1.6.1 **CCOS Draft Period Possession Plan (CCOS DPPP).** Every 4 weeks a detailed programme of proposed engineering works covering a 4 week period will be issued as the CCOS DPPP at least 28 weeks before the start of the 4 weeks concerned. This will contain details of proposed disruptive possessions, together with any non-disruptive possessions.
- 1.6.2 **CCOS Confirmed Period Possession Plan (CCOS CPPP).** A CCOS CPPP will be issued 26 weeks prior to the start of the relevant 4 weekly period giving sufficient details of planned disruptive possessions to enable an assessment of train alterations to be made. RFLI will advise details of Disruptive Possessions at this stage as part of the Informed Traveller process.
- 1.6.3 **Trains Meetings.** In certain instances, prior to the conclusion of train operating company (TOC) consultation, RFLI may arrange a Trains Meeting for all affected TOCs. This is most likely where a particular possession, or series of possessions, will result in significant train alterations. Trains meetings will be held to:
- outline the likely disruptive effects;
 - determine train alterations required; and
 - agree an outline train plan
- 1.6.4 A TOC may request a meeting with RFLI to discuss concerns arising from 1.6.3.
- 1.6.5 In constructing their Access Proposals, TOCs should take into account the capacity constraints noted. Where any form of reduced track capacity is indicated in this CCOS EAS, it applies between adjacent crossovers only, unless such work can be accommodated within the time allowances shown in CCOS TPR.
- 1.6.6 If a TOC wishes to make a Spot Access Proposal or protect the slot of an existing train slot which is not compliant with this CCOS EAS, it should first consult with RFLI NS&P Team to establish whether an amendment is likely to be agreed and, if appropriate, submit an amendment proposal which will be considered by RFLI in accordance with clause 1.6.2 above. The CCOS EAS

amendment proposal should be submitted to RFLI as early as possible or with the submission of the Spot Access Proposal.

- 1.6.7 With the exception of emergency possessions, planned possessions shall be agreed 26 weeks in advance of the relevant week. After this time RFLI will usually support an CCOS EAS amendment proposal to allow acceptance of a Spot Access Proposal which does not conflict with planned possessions. Where a Spot Access Proposal relates to the carriage of exceptional numbers of passengers in connection with a sporting or other public event, RFLI recognises that it may be appropriate to cancel possessions to allow the Spot Access Proposal to be accepted.

1.7 Timetable Periods

- 1.7.1 For 2020 a single engineering timetable period is proposed.

- 1.7.2 The Timetable Period dates are provided in Table 1 below.

Table 1: Engineering Timetable Period Dates

Period	Start Date and Time	End Date and Time	Sundays
Period A	0001 Sun 15/12/2019	2359 Sat 12/12/2020	52 Sundays

1.8 Key Timetable Event Dates

- 1.8.1 Key timetable event dates refer to significant changes to the timetable anticipated in the relevant year.
- 1.8.2 Significant changes relate but are not limited to changes in rolling stock (e.g. introduction of new types) and infrastructure remodelling.
- 1.8.3 Significant timetable events affecting CCOS are provided in Table 2 below and will be augmented with relevant timetable events from Network Rail's Calendar of Events.

Table 2: Key Timetable Events

Date	Event
TBA	Elizabeth Line Stage 4 – Paddington-Shenfield
TBA	Elizabeth Line Stage 5 – Full Elizabeth Line

1.9 Bank Holidays

- 1.9.1 The 2020 Bank Holiday calendar is provided in Table 3 below:

Table 3: Bank Holiday Dates

Week	Event
37	Sun 15th Dec 2019 - start of Dec 2019 timetable (Timetable Year 2020)
39	Wed 25 th Dec 2019 - Christmas Day
39	Thu 26 th Dec 2019 - Boxing Day
40	Wed 1 st Jan 2020 - New Year's Day
01	Fri 10 th April 2020 - Good Friday
02	Mon 13 th April 2020 - Easter Monday
05	Mon 4 th May 2020 - May Bank Holiday
07	Sun 17 th May 2020 - May 2020 Timetable Change
08	Mon 25 th May 2020 - Late Spring Bank Holiday

22	Mon 31 st Aug 2020 - Summer Bank Holiday
37	Sun 13th Dec 2020 - start of Dec 2020 timetable (Timetable Year 2021)

1.10 Daylight saving time

1.10.1 Spring (1 hour forward, British Summer Time): Sunday, 29 March, 2020, 01:00 am.

1.10.2 Autumn (1 hour back, Greenwich Mean Time): Sunday, 25 October, 2020, 02:00 am.

1.11 Major London Events in the CCOS EAS Period

1.11.1 Major events affecting the London Area are co-ordinated with the TfL Events and Closures team and disruptive possessions will not be planned to co-incide.

1.11.2 Current major London events anticipated in the 2020 CCOS EAS period are provided in Table 4 below.

Table 4: Events in the CCOS EAS Period

Wk No	Start Date	End Date	Type of Event	Venue	Event	Start and End Times	Soft/ Hard Start	Soft/ Hard Finish	Expected Attendance	Nearest Station(s)
5	Sun 19 Apr 2020	Sun 19 Apr 2020	Sport	Central London	London Marathon	0900 Start	Soft	Soft	100,000	Canary Wharf
18	Sun 02 Aug 2020	Sun 02 Aug 2020	Sport	Central London	Ride London	0700 Start	Soft	Soft	100,000	Westminster
22	Sun 30 Aug 2020	Sun 30 Aug 2020	Event	Notting Hill Carnival	Notting Hill Carnival	1100 to 2000	Soft	Soft	250,000	Paddington
22	Mon 31 Aug 2020	Mon 31 Aug 2020	Event	Notting Hill Carnival	Notting Hill Carnival	1100 to 2000	Soft	Soft	750,000	Paddington
33	Sat 14 Nov 2020	Sat 14 Nov 2020	Cultural	City of London	Lord Mayor's Show	1100 to 1430	Soft	Soft	Upto 500,000	Farringdon Liverpool Street

1.12 Change Procedure

1.12.1 The Change Procedure has been devised in accordance with CCOS Network Code Condition D 2.2.7 to provide a means of updating the CCOS EAS and/or CCOS TPR other than through the twice-yearly process having effect from the Passenger Change Dates.

1.12.2 This procedure will be used by RFLI to add, substitute or delete engineering access opportunities contained within CCOS EAS. All possessions so agreed will be regarded as being within CCOS EAS.

1.12.3 RFLI is committed to the achievement of the Informed Traveller deadlines allowing details of amended train services to be available 12 weeks before the date of operation.

1.12.4 RFLI will consult with Operators regarding possessions and other capacity restrictions which are disruptive to agreed train slots in sufficient time to allow details of those disruptive possessions to be included in a CCOS Confirmed Period Possessions Plan which will be published 26 weeks prior to the start of each 4-week period.

1.12.5 Where a need arises to amend the CCOS EAS to cater for an urgent safety requirement or other emergency situations, all parties concerned will co-operate in accelerating the normal timescales in this Procedure commensurate with the urgency of the circumstances.

1.13 Changes Initiated by Train Operating Companies

1.13.1 A TOC may propose changes to any part of CCOS EAS/CCOS TPR affecting or likely to affect that TOC.

1.13.2 The TOC shall submit a written statement of the proposed change and a concise explanation of the reasons for that change to the Network Strategy and Performance Manager, who will acknowledge receipt within 5 working days of receipt of the proposed change.

1.13.3 RFLI shall notify all affected TOCs details of the proposed change and RFLI's comments including concise reasons for the change and a statement as to whether RFLI supports the proposal.

1.14 Changes Initiated by RFLI

1.14.1 RFLI may propose changes to any part of this CCOS EAS at any time.

1.14.2 RFLI shall notify to all TOCs affected details of the proposed change including a concise explanation of its reasons including dependancies on adjacent Infrastructure Managers.

1.14.3 Proposed changes to CCOS EAS arising before publication of the CCOS DPPP shall be notified to TOCs by RFLI in the issue of that document.

1.15 Response by TOCs

1.15.1 Each TOC receiving notification of a proposed change in accordance with paragraphs 1.14.2 or 1.14.3 above will consider that proposal and respond to RFLI within 5 working days from receipt of the notification, indicating:

1. its agreement to the proposed change; or
2. details of a counter-proposal and an explanation of its rationale.

1.15.2 Any TOC whose response is not received by RFLI within 5 working days will be deemed to have agreed to the proposed change and will forfeit any right of Appeal.

1.16 Decision by RFLI

1.16.1 RFLI shall give due consideration to responses received from TOCs in accordance with paragraph 1.15.1 above and shall decide which changes, if any, should be made to CCOS EAS.

1.16.2 RFLI shall have due regard to the Decision Criteria provided in CCOS Network Code Condition D6.

1.16.3 RFLI will notify its decision to each affected TOC within 5 working days of the last date for receipt of responses under paragraph 1.15.2 above.

1.16.4 A TOC may Appeal in accordance with CCOS Network Code Condition D2.2.7.

1.16.5 Any Appeal must be referred to the CCOS Access Disputes Secretary in accordance with the timescales shown in Condition D5 (i.e. within 5 working days of notification by RFLI of its decision).

2. GLOSSARY

Abbreviation	Description
CCOS	Crossrail Central Operating Section
CPPP	Confirmed Period Possession Plan
DPPP	Draft Period Possession Plan
EAS	Engineering Access Statement
EPA	Engineering Protection Area
ES	Engineering Supervisor
NR	Network Rail
OTP	On track plant
PICOP	Person in Charge of a Possession
PON	Period Operating Notice
RfL	Rail for London
RFLI	Rail for London Infrastructure Ltd.
STP	Short Term Plan
TfL	Transport for London
TOC	Train Operating Company
TPR	Timetable Planning Rules
TSR	Temporary Speed Restriction
WON	Weekly Operating Notice
WTT	Working Timetable

3. GUIDELINES FOR GRANTING POSSESSIONS

3.1 Information Required from requestors when submitting Possession Requests

3.1.1 The following detailed information will be required from requestors when submitting possession requests:-

- Proposed date, start and finish time of worksites and possessions;
- Proposed method of protection including the Engineering Protection Areas (EPA) to be created and their reference numbers listed;
- Geographical extent of the possession (as shown in Sectional Appendix) and worksite location (in km and m);
- Start and finish times and geographical extent (as shown in the Sectional appendix) of electrical isolation (if required);
- Tunnel ventilation modes and applicable arrangements;
- The extent of any Transit Zone (if required)
- Loss of, or reduction in, any signalling facilities affected outside the Possession Outline infrastructure train requirements;
- The movement of any engineerings or on-track plant (OTP) requirements (in detailed form rather than outline if at less than 32 weeks) and if a possession zone is to be imposed around a stationary engineering train;
- Any protective speed restriction to be imposed on adjacent lines which are open;
- Reduction in available platform capacity (including actual length of platform available, platform screen doors and any special instructions to be given to train drivers);
- Effect on access to other facilities;
- Significant traction current supply or voltage reductions;

- Affected electrical feed equipment;
- Any restrictions which will persist after the Possession is given up;
- If a Temporary Speed Restriction (TSR) is to be imposed on the line affected after the Possession is given up the following should be advised:
 - Speed;
 - location (precise start and finish); and
 - date and time of removal;
- Details of any ventilation system restrictions that will remain in force with the following advised:
 - location (e.g. shaft, affected section); and
 - date and time of removal;
- Work content; and
- Details of operational telecommunications disconnections.
- At TW-12, the following additional details should be provided for incorporation in the Weekly Operating Notice (WON):
 - The name of the Person in Charge of the Possession (PICOP);
 - The name of the Engineering Supervisor (ES);
 - The ID of the last train to operate prior to the possession being taken; and
 - The ID of the first train to operate after the possession has been given up.

3.2 Late Possession Requests

- 3.2.1 The procedure to enable an amendment of the Operational Planning Rules, following their finalisation in accordance with Condition D2.2 of the CCOS Network Code, is set out in the CCOS TPR 11.3.

4. STANDARD POSSESSION OPPORTUNITIES

Track Section	Direction	TT Pd	Midweek Nights			Saturday Night into Sunday Morning			Sunday Night into Monday Morning		
			Start	End	Duration	Start	End	Duration	Start	End	Duration
Royal Oak Portal to Stepney Green Junction	Eastbound	A	00:40	05:35	04h55m	00:40	07:20	06h40m	23:55	05:35	05h40m
Stepney Green Junction to Pudding Mill Lane Portal	Eastbound	A	00:45	05:50	05h05m	00:45	07:35	06h50m	00:00	05:50	05h50m
Stepney Green Junction to Victoria Dock Portal	Eastbound	A	00:40	05:55	05h15m	00:40	07:40	07h00m	23:55	05:55	06h00m
Custom House to Plumstead Portal	Eastbound	A	00:45	06:00	05h15m	00:45	07:45	07h00m	00:00	06:00	06h00m
Plumstead Portal to Abbey Wood	Both directions	A	01:10	05:00	03h50m	01:10	06:45	05h35m	00:25	05:00	04h35m
Plumstead Portal to Custom House	Westbound	A	00:10	05:20	05h10m	00:10	07:05	06h55m	23:25	05:20	05h55m
Victoria Dock Portal to Stepney Green Junction	Westbound	A	00:20	05:25	05h05m	00:20	07:10	06h50m	23:35	05:25	05h50m
Pudding Mill Lane Portal to Stepney Green Junction	Westbound	A	00:20	05:30	05h10m	00:20	07:15	06h55m	23:35	05:30	05h55m
Stepney Green Junction to Royal Oak Portal	Westbound	A	00:35	05:30	04h55m	00:35	07:15	06h40m	23:50	05:30	05h40m

5. POSSESSION STRATEGY

5.1 Possessions Under Possession Strategy Notice

5.1.1 There are currently no proposed Possession Strategy Notices issued under CCOS Network Code Clause D6.1.

6. (SECTION NOT USED)

7. REGISTER OF POSSESSIONS

7.1 Possessions Planned in Traffic Hours

7.1.1 Maintenance and renewal of assets and systems are planned to be carried out within the scope of the times given in Section 4 above and during traffic hours possessions limited to a maximum of two 52 hour closure periods per annum (refer to Crossrail Programme Functional Requirements CPFR5039 and CPFR5040).

7.1.2 Shorter possession periods planned in traffic hours may be taken up to a total of 104 hours per annum.

7.1.3 Possessions planned for traffic hours during the timetable year are provided in the Table 5 below:

Table 5: Disruptive Possessions

Possession Reference Number	Line of Route	Possession Location			Protection Type	Possession Date and Time		Traffic Remarks	Work Type
		From	To	Blocked Line		Start	End		
TBA	XR001	Royal Oak Portal	Pudding Mill Lane Portal	All Lines	Possession	15/02/20 01:10 Sat	17/02/20 05:00 Mon	52 HOURS ALL LINES POSSESSION. BLOCK TO ELECTRIC TRACTION.	VENTILATION SYSTEM SCHEDULED MAINTENANCE
	XR002	Stepney Green Junction	Plumstead Portal	All Lines	Possession	15/02/20 01:10 Sat	17/02/20 05:00 Mon		
TBA	XR001	Royal Oak Portal	Pudding Mill Lane Portal	All Lines	Possession	18/07/20 01:10 Sat	20/07/20 05:00 Mon	52 HOURS ALL LINES POSSESSION. BLOCK TO ELECTRIC TRACTION.	VENTILATION SYSTEM SCHEDULED MAINTENANCE
	XR002	Stepney Green Junction	Plumstead Portal	All Lines	Possession	18/07/20 01:10 Sat	20/07/20 05:00 Mon		