

RFLI - Rail for London (Infrastructure) Ltd

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Crossrail Central Operating Section Engineering Access Statement 2023 (V4)

Applicable from Sunday 11th December 2022 to Saturday 9th December 2023

Issued by Network Strategy and Performance Manager

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Document History

Revision	Date	Change
1.0	22/11/2021	First issue for formal consultation
2.0	01/08/2022	Final issue (version 4) Revised to reflect amendments proposed to Sections 4 & 7.

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	
2.0	4	Easements for Stage 5B- Timetable	
2.0	4	Addition of Periodic Cyclical Possession Plan	
2.0	7	52 Hour Maintenance moved from week 29 to Week 34	
2.0	7	ELR400 Commissioning and Over and back testing	

Contents

1. INTRODUCTION	4
1.1 Purpose	4
1.2 Scope	4
1.3 Reference Documentation	4
1.4 Applications for Possessions	5
1.5 Specific Planning Arrangements	5
1.6 Train Operating Company Consultation	6
1.7 Timetable Periods	6
1.8 Key Timetable Event Dates	7
1.9 Bank Holidays	7
1.10 Daylight saving time	7
1.11 Change Procedure	7
1.12 Changes Initiated by Train Operating Companies	8
1.13 Changes Initiated by RFLI	8
1.14 Response by TOCs	8
1.15 Decision by RFLI	8
2. GLOSSARY	10
3. GUIDELINES FOR GRANTING POSSESSIONS	10
3.1 Possessions Planned in Traffic Hours	10
3.2 Information Required from requestors when submitting Possession Requests	10
3.3 Late Possession Requests	11
4. STANDARD POSSESSION OPPORTUNITIES	12
4.1 Standard Possession Times	12
4.2 Cyclical Possessions	14
4.3 Stepney Green Possessions	14
4.4 Cross Interface Possessions with Network Rail	14
4.5 Protected Paths/ Signal Protection Zones	14
4.6 Plumstead Sidings	15
5. POSSESSION STRATEGY	17
5.1 Possessions Under Possession Strategy Notice	17
6. (SECTION NOT USED)	18
7. REGISTER OF POSSESSIONS	19

1. INTRODUCTION

1.1 Purpose

- 1.1.1 This document is the Crossrail Central Operating Section Engineering Access Statement (CCOS EAS) valid for the period Sunday 11 December 2022 to Saturday 9 December 2023 inclusive.
- 1.1.2 CCOS EAS defines standard times during which inspection, maintenance and renewal activities may take place without disruption to timetabled services. It also identifies occasions when additional works will be necessary during traffic hours for for such work to be undertaken.
- 1.1.3 This document has been prepared in accordance with Rail for London (Infrastructure) Limited (RFLI) CCOS Network Code (clause D2.2) and meets the requirements of RFLI-GEN-SD-SDD-0001- Principles, Timescales and Functional Responsibilities for CCOS Engineering Access Planning.

1.2 Scope

- 1.2.1 This document is applicable to the CCOS railway infrastructure owned and managed by RFLI.

1.3 Reference Documentation

- 1.3.1 CCOS Network Code Part D (Timetable Change)
- 1.3.2 RFLI-GEN-SD-SDD-0001- Principles, Timescales and Functional Responsibilities for CCOS Engineering Access Planning
- 1.3.3 RFLI-MTC-MA-PRO-0004 Crossrail Central Operating Section Planning Process Module 01 (Long-term)
- 1.3.4 RFLI-MTC-MA-PRO-0001 Crossrail Central Operating Section Planning Process Module 02 (Medium Term)
- 1.3.5 RFLI-MTC-MA-PRO-0003 Crossrail Central Operating Section Planning Process Module 03 (Short-term)
- 1.3.6 CRL1-XRL-O8-RSP-CR001-50015 - Crossrail Programme Functional Requirement Baseline 7.0
- 1.3.7 CCOS Rule Book - Module COS/T3 - Possession For Engineering Work In The Central Operating Section
- 1.3.8 RFLI-ENG-MA-SDD-0002 – Working on or About 25kV AC
- 1.3.9 RFLI-OPS-OP-REP-0031 - RFLI/ NR Interface Protection Principles
- 1.3.10 RFLI-GEN-HS-PRO-0006 - RFLI Change Assurance Framework
- 1.3.11 RFLI-OPS-OP-PLN-0018 - RFLI Network Access Change Control Procedure
- 1.3.12 RFLI-ENG-BP-PRO-0001 - Configuration management of changes to RFLI Elizabeth Line engineering assets

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. Please refer to the following Planning Process modules:

- RFLI-MTC-MA-PRO-0004 Crossrail Central Operating Section Planning Process Module 01 (Long-term)
- RFLI-MTC-MA-PRO-0001 Crossrail Central Operating Section Planning Process Module 02 (Medium Term)
- RFLI-MTC-MA-PRO-0003 Crossrail Central Operating Section Planning Process Module 03 (Short-term)

1.4.2 For particular details of the mechanism for applying for possessions, contact RFLI-NetworkAccess@tfl.gov.uk.

1.4.3 The information required at the application stage is provided in clause 3.1 below.

1.4.4 Outline 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 shall be given up for the passage of Structure Gauging, Ultrasonic Test, or any other infrastructure inspection, measurement and testing trains as determined by RFLI Maintenance.

1.5.2 Train planning teams must request and obtain confirmation from the RFLI Network Access prior to submitting a train schedule that runs foul of possessions in the CCOS EAS or the timings given in Section 4.

1.5.3 To deliver the operational objectives as stated in CCOS Network Code Part H, consideration should be given to:

- finding alternative approaches to avoid the need for a disruptive possession;
- making use of reversible working functionality (subject to an assessment of platform crowd management);
- plan work into 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 30 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 2023 the engineering timetable periods are proposed as specified in Table 1-1 below.

Table 1-1: Engineering Timetable Period Dates

Period	Start Date and Time	End Date and Time	Sundays
Period A	0001 Sun 11/12/2022	2359 Sun 01/01/2023	(4 Sundays)
Period B	0001 Mon 02/01/2023	2359 Sun 12/02/2023	(6 Sundays)
Period C	0001 Mon 13/02/2023	2359 Sun 26/03/2023	(6 Sundays)
Period D	0001 Mon 27/03/2023	2359 Sat 13/05/2023	(6 Sundays)

Period	Start Date and Time	End Date and Time	Sundays
Period E	0001 Sun 14/05/2023	2359 Sun 18/06/2023	(6 Sundays)
Period F	0001 Mon 19/06/2023	2359 Sun 30/07/2023	(6 Sundays)
Period G	0001 Mon 31/07/2023	2359 Sun 10/09/2023	(6 Sundays)
Period H	0001 Mon 11/09/2023	2359 Sun 22/10/2023	(6 Sundays)
Period J	0001 Mon 23/10/2023	2359 Sat 9/12/2023	(6 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 1-2 below:

Table 1-2: Key Timetable Events

Date	Event
First Qtr 2023	Full Elizabeth Line services from Shenfield to Reading via Tottenham Court Road.

1.9 Bank Holidays

- 1.9.1 The 2023 Bank Holiday calendar is provided in Table 1-3 below:

Table 1-3: Bank Holiday Dates

Week	Event
39	Mon 26 th December 2022 Boxing Day
39	Tue 27 th December 2022 Christmas Day (substitute day)
40	Mon 2 nd Jan 2023 - New Year's Day
01	Fri 7 th April 2023 - Good Friday
02	Mon 10 th April 2023 - Easter Monday
05	Mon 1 st May 2023 – Early May Bank Holiday
09	Thu 29 th May 2023 - Spring Bank Holiday
22	Mon 28 th Aug 2023 - Summer Bank Holiday

1.10 Daylight saving time

- 1.10.1 Spring (1 hour forward, British Summer Time): Sunday, 26th March, 2023, 01:00 am.
- 1.10.2 Autumn (1 hour back, Greenwich Mean Time): Sunday, 29th October, 2023, 02:00 am.

1.11 Change Procedure

- 1.11.1 The Change Procedure RFLI-OPS-OP-PLN-0018 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.

- 1.11.2 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.
- 1.11.3 RFLI is committed to the achievement of the Informed Traveller deadlines allowing details of amended train services to be available 12 weeks prior to the intended date of operation.
- 1.11.4 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.
- 1.11.5 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.

1.12 Changes Initiated by Train Operating Companies

- 1.12.1 A TOC may propose changes to any part of CCOS EAS affecting or likely to affect that TOC.
- 1.12.2 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.
- 1.12.3 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.

1.13 Changes Initiated by RFLI

- 1.13.1 RFLI may propose changes to any part of this CCOS EAS at any time.
- 1.13.2 RFLI shall notify to all TOCs affected details of the proposed change including a concise explanation of its reasons which may include a dependency on adjacent Infrastructure Managers.
- 1.13.3 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.

1.14 Response by TOCs

- 1.14.1 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.
- 1.14.2 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.

1.15 Decision by RFLI

- 1.15.1 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.
- 1.15.2 RFLI shall have due regard to the Decision Criteria provided in CCOS Network Code Condition D6.

- 1.15.3 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.
- 1.15.4 A TOC may Appeal in accordance with CCOS Network Code Condition D2.2.7.
- 1.15.5 Any Appeal must be referred to the CCOS Access Disputes Secretary in accordance with the timescales shown in CCOS Network Code Condition D5.

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 Possessions Planned in Traffic Hours

- 3.1.1 Maintenance and renewal of assets and systems are planned to be carried out within the scope of the times given in Section 4 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).
- 3.1.2 Additional provisions for essential signal and control systems software upgrade commissioning and associated advanced testing works have been made to support the next phases of the Elizabeth Line opening.
- 3.1.3 A possession strategy notice may be issued where a sequence of extensions to Standard Possession Opportunities to enable works to be broken down and conducted in a series of smaller disruptive possessions of a regular or repeating pattern. Possession Strategy Notices are issued under CCOS Network Code Clause D6.1.
- 3.1.4 Possessions currently planned for traffic hours during the timetable year are provided in Table 7-1 in Section 7 below.

3.2 Information Required from requestors when submitting Possession Requests

- 3.2.1 The following detailed information will be required from requestors when submitting possession requests:
- Proposed date, start and finish time of possessions;
 - Proposed method(s) of protection such as Engineering Protection Areas (EPA) and adjacent Infrastructure Manager protection to be created and their reference numbers listed;
 - Geographical extent of the possession (as shown in CCOS Sectional Appendix) and worksite location (in metres);

- Start and finish times and geographical extent (as shown in the Sectional appendix) of electrical isolation;
- The nature of work being undertaken in the worksites;
- 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 engineering trains 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 (including low and high voltage systems);
- Any restrictions that 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;
- Details of operational telecommunications disconnections; and
- At TW-13, the following additional details should be provided for incorporation in the CCOS 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.

3.3 Late Possession Requests

- 3.3.1 The procedure to enable an amendment of the Operational Planning Rules, following finalisation in accordance with Condition D2.2 of the CCOS Network Code, is set out in the CCOS TPR 7.3.

4. STANDARD POSSESSION OPPORTUNITIES

4.1 Standard Possession Times

XR001: WESTBOURNE PARK JUNCTION (EXCL) TO PUDDING MILL LANE JUNCTION (EXCL)

Table 4-1

		Periods A to J 11.12.2022 to 09.12.2023					
Track Section	Direction		Start	End	Duration	Working Time Available (Approx)	Remarks
Westbourne Park and Royal Oak Portal to Stepney Green Junction	Eastbound	Midweek Nights	00:40	05:40	05h00m	04h00m	Easements for SLC 5B-
		Saturday Night into Sunday Morning	00:40	07:30	06h50m	05h50m	
		Sunday Night into Monday Morning	23:50	05:40	05h50m	04h50m	
Stepney Green Junction to Pudding Mill Lane Portal	Eastbound	Midweek Nights	00:40	05:45	05h05m	03h05m	
		Saturday Night into Sunday Morning	00:40	07:30	06h50m	05h50m	
		Sunday Night into Monday Morning	23:55	05:45	05h50m	04h50m	
Pudding Mill Lane Portal to Stepney Green Junction	Westbound	Midweek Nights	00:20	05:30	05h10m	04h10m	
		Saturday Night into Sunday Morning	00:20	07:15	06h55m	05h55m	
		Sunday Night into Monday Morning	23:35	05:30	05h55m	04h55m	
Stepney Green Junction to Royal Oak Portal and Westbourne Park	Westbound	Midweek Nights	00:35	05:35	05h00m	04h00m	
		Saturday Night into Sunday Morning	00:35	07:05	06h30m	05h30m	
		Sunday Night into Monday Morning	23:50	05:35	05h45m	04h45m	

XR002 STEPNEY GREEN JUNCTION TO ABBEY WOOD (ALSIKE ROAD JUNCTION)

Table 4-2

		Periods A to J 11.12.2022 to 09.12.2023					
Track Section	Direction		Start	End	Duration	Working Time Available (Approx)	Remarks
Stepney Green Junction to Victoria Dock Portal	Eastbound	Midweek Nights	00:35	05:55	05h20m	04h20m	
		Saturday Night into Sunday Morning	00:35	07:40	07h05m	06h05m	
		Sunday Night into Monday Morning	23:50	05:55	06h05m	05h05m	
Custom House to Plumstead Portal	Eastbound	Midweek Nights	00:45	06:00	05h15m	04h15m	
		Saturday Night into Sunday Morning	00:45	07:50	07h05m	06h05m	
		Sunday Night into Monday Morning	00:00	06:00	06h00m	05h00m	
Plumstead Portal to Abbey Wood	Both directions	Midweek Nights	00:50	05:10	04h20m	03h20m	Not including prep time at Abbey Wood/Plumstead CS: AW Isolation 04:50
		Saturday Night into Sunday Morning	00:50	06:35	05h45m	04h45m	Not including prep time at Abbey Wood/Plumstead CS: AW Isolation 06:25
		Sunday Night into Monday Morning	00:05	05:10	05h05m	04h05m	Not including prep time at Abbey Wood/Plumstead CS: AW Isolation 04:50
Plumstead Portal to Custom House	Westbound	Midweek Nights	00:10	05:15	05h05m	04h05m	
		Saturday Night into Sunday Morning	00:10	06:35	06h25m	05h25m	First WB ECS ex ABX 06+55
		Sunday Night into Monday Morning	23:15	05:15	06h00m	05h00m	
Victoria Dock Portal to Stepney Green Junction	Westbound	Midweek Nights	00:15	05:25	05h10m	04h10m	
		Saturday Night into Sunday Morning	00:15	06:55	06h40m	05h40m	First WB ECS can pass Custom House 07/02½
		Sunday Night into Monday Morning	23:25	05:25	06h00m	05h00m	
Plumstead Stabling Sidings 1 to 8 and access lines	Both directions	Access To be agreed at DPPP					

4.2 Cyclical Possessions

- 4.2.1 Table 4-3 below lists the cyclical possessions RfLI intends to take in each period subject to alternative arrangements identified in Sections 5 and 7 of this CCOS EAS.
- 4.2.2 Work deliverers should note available working time is approximately one hour less than the duration of a possession period allowing for the process of taking and giving up possessions and isolations.
- 4.2.3 Saturday night to Sunday morning possession periods shall be 1hr 45mins longer than Monday night to Saturday morning duration in accordance with CPFR4953.
- 4.2.4 Sunday night to Monday morning possession periods shall be 45mins longer than Monday night to Saturday morning duration in accordance with CPFR4953.

4.3 Stepney Green Possessions

- 4.3.1 Possessions requiring a full isolation of Stepney Green Junction shall be planned for Saturday nights on Even timetable weeks.
- 4.3.2 Supporting isolations shall be planned in this circumstance to be removed with the OLE re-energised at least 60 minutes in advance of the possession end time to allow sufficient time for units stabled at Plumstead to be re-localised on the signalling system.
- 4.3.3 In all other circumstances Isolations should be planned to end at the time indicated in the remarks relating to the Plumstead-Abbey Wood section above allowing no less than 90 minutes for powering up stabled units.
- 4.3.4 The possession remarks shall be annotated to ensure units are to be stabled with pantographs down and for the units to be relocalised in Staff Accountable mode upon reactivation.

4.4 Cross Interface Possessions with Network Rail

- 4.4.1 RFLI possessions of the Westbourne Park area extending west of the Network Rail interface shall be planned in odd number timetable weeks.
- 4.4.2 Network Rail cyclical possessions in the Westbourne Park area extending east as far as Royal Oak Portal on RFLI infrastructure shall be booked on even timetable weeks.

4.5 Protected Paths/ Signal Protection Zones

- 4.5.1 The RFLI Infrastructure Monitoring Vehicle (IMV) shall be planned to operate in a protected path on Friday nights every fortnight.
- 4.5.2 Single Train Testing (STT)
- 4.5.3 Testing of train software upgrades shall be planned in a Signal Protection Zone (SPZ).
- 4.5.4 Test deliverers should make specific arrangements with the RfLI Operations team to arrange transit moves to the testing zone.

4.6 Plumstead Sidings

4.6.1 There are no standard possession opportunities possible at Plumstead. Daytime access is subject to agreement with the train operator.

4.6.2 All possessions should be given up where possible during disruptive incidents to ensure the best possible service may be operated for TfL Elizabeth Line customers.

Table 4-3: Standard Period Possession Plan

PERIOD WEEK	1	Day	Possession Type	Possession From	Possession To	Isolation Sections
		Fri/Sat	STT TESTING - 2 x Trains accessing from OOC			SPZ – No Isolation
		Sat/Sun	SE Branch M6	Stepney Green Junction	Abbey Wood	101-M,N,P,Q,R,S,T,U 102-K,L,M,N,P,R,S
		Sat/Sun	East Only M8	Pudding Mill Lane	Stepney Green Jnc (Non Inclusive)	
		Sat/Sun	West M1	Westbourne Park Jn	Farringdon (inclusive)	SPZ – No Isolation
		Sun/Mon	SE Branch M6	Stepney Green Junction	Abbey Wood	101- B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T,U
		Sun/Mon	West M2	Paddington	Whitechapel	102- A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S
		Mon/Tue	Extended West M1	Westbourne Park Jn	Whitechapel	A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T,U 102-A,B,C,D,E,F,G,H,K,L,M,N,P,Q,R,S
		Mon/Tue	SE Branch M6	Stepney Green Jnc (Non-Inclusive)	Plumstead	
		Tue/Wed	Extended West M1	Westbourne Park Jn	Whitechapel	101- B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T,U
		Tue/Wed	SE Branch M6	Stepney Green Jnc (Non-Inclusive)	Abbey Wood	102- A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S
		Wed/Thu	Extended West M1	Westbourne Park Jn	Whitechapel	101- A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T,U
		Wed/Thu	SE Branch M6	Stepney Green Jnc (Non-Inclusive)	Abbey Wood	102-A,B,C,D,E,F,G,H,K,L,M,N,P,Q,R,S
		Thu/Fri	Extended West M1	Westbourne Park Jn	Whitechapel	101- A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T,U
		Thu/Fri	Short East West M9	Stepney Green Jnc (Non Inclusive)	Pudding Mill Lane	102-A,B,C,D,E,F,G,H,K,L,M,N,P,Q,R,S
PERIOD WEEK	2	Day	Possession Type	Possession From	Possession To	Isolation Sections
		Fri/Sat	Protected Path for IMV Run			No isolation
		Sat/Sun	Stepney 'Y' Shape M12	Liverpool Street	Abbey Wood & PML (pts)	101 & 102 Complete - END TIMINGS FOR ISOLATION 60 minutes prior to traffic start
		Sun/Mon	Extended East M3	Stepney Green Jnc (Non-Inclusive)	PML (pts)	101-A,D,E,F,G,H
		Sun/Mon	Short West West M11	Farringdon	Paddington	102-J
		Sun/Mon	SE Branch	CW	AW	SPZ – No Isolation
		Mon/Tue	Extended SE Branch M5	Stepney Green Junction	Plumstead	101- A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T,U
		Mon/Tue	West M2	Paddington	Whitechapel	102-A,B,C,D,E,F,G,H,K,L,M,N,P,Q,R,S
		Tue/Wed	Extended SE Branch M5	Stepney Green Junction	Plumstead	101- B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T,U
		Tue/Wed	West M2	Paddington	Whitechapel	102- A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S
		Wed/Thu	SE Branch M6	Stepney Green Jnc (Non-Inclusive)	Abbey Wood	101-A,B,C,D,E,F,G,M,N,P,Q,R,S,T,U
		Wed/Thu	West M2	Paddington	Whitechapel	102-A,B,C,D,E,F,G,H,K,L,M,N,P,Q,R,S
		Thu/Fri	Extended East M3	Stepney Green Jnc (Non-Inclusive)	Abbey Wood	101-A
		Thu/Fri	Short West East M10	Paddington	Farringdon	102-B,C,D,E,F,J

PERIOD WEEK	Day	Possession Type	Possession From	Possession To	Isolation Sections
3	Fri/Sat	STT TESTING - 2 x Trains accessing from OOC			SPZ – No Isolation
	Sat/Sun	SE Branch M6	Stepney Green Junction	Abbey Wood	101-M,N,P,Q,R,S,T,U 102-K,L,M,N,P,R,S
	Sat/Sun	East Only M8	Pudding Mill Lane	Stepney Green Jnc (Non Inclusive)	
	Sat/Sun	West M1	Westbourne Park Jn	Farringdon (inclusive)	SPZ – No Isolation
	Sun/Mon	SE Branch M6	Stepney Green Junction	Abbey Wood	101- B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T,U 102- A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S
	Sun/Mon	West M2	Paddington	WHITECHAPEL	
	Mon/Tue	Extended West M1	Westbourne Park Jn	Whitechapel	101- A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T,U 102-A,B,C,D,E,F,G,H,K,L,M,N,P,Q,R,S
	Mon/Tue	SE Branch M6	Stepney Green Jnc (Non-Inclusive)	Plumstead	
	Tue/Wed	Extended West M1	Westbourne Park Jn	Whitechapel	101- B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T,U 102- A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S
	Tue/Wed	SE Branch M6	Stepney Green Jnc (Non-Inclusive)	Abbey Wood	
	Wed/Thu	Extended West M1	Westbourne Park Jn	Whitechapel	101- A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T,U 102-A,B,C,D,E,F,G,H,K,L,M,N,P,Q,R,S
	Wed/Thu	SE Branch M6	Stepney Green Jnc (Non-Inclusive)	Abbey Wood	
	Thu/Fri	Extended West M1	Westbourne Park	Whitechapel	101- B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T,U 102- A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S
	Thu/Fri	Short East West M9	Stepney Green Jnc (Non-Inclusive)	Pudding Mill Lane	
4	Fri/Sat	Protected Path for IMV Run			No Isolation Required
	Sat/Sun	Stepney 'Y' Shape M12	Liverpool Street	Abbey Wood & PML (pts)	101 & 102 Complete - END TIMINGS FOR ISOLATION TO BE 60 MINUTES PRIOR TO TRAFFIC START
	Sun/Mon	Extended East M3	Stepney Green Jnc (Non-Inclusive)	PML (pts)	101-A,D,E,F,G,H 102-J
	Sun/Mon	Short West West M11	Paddington	Farringdon	
	Sun/Mon	SE Branch	CW	AW	SPZ – No Isolation
	Mon/Tue	Extended SE Branch M5	Stepney Green Junction	Plumstead	101- A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T,U 102-A,B,C,D,E,F,G,H,K,L,M,N,P,Q,R,S
	Mon/Tue	West M2	Paddington	Whitechapel	
	Tue/Wed	Extended SE Branch M5	Stepney Green Junction	Plumstead	101- B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S,T,U 102- A,B,C,D,E,F,G,H,J,K,L,M,N,P,Q,R,S
	Tue/Wed	West M2	Paddington	Whitechapel	
	Wed/Thu	SE Branch M6	Stepney Green Jnc (Non-Inclusive)	Abbey Wood	101-A,B,C,D,E,F,G,M,N,P,Q,R,S,T,U 102-A,B,C,D,E,F,G,H,K,L,M,N,P,Q,R,S
	Wed/Thu	West M2	Paddington	Whitechapel	
	Thu/Fri	Extended East M3	Stepney Green Jnc (Non-Inclusive)	Abbey Wood	101-A 102-B,C,D,E,F,J
	Thu/Fri	Short West East M10	Paddington	Farringdon	

5. POSSESSION STRATEGY

5.1 Possessions Under Possession Strategy Notice

- 5.1.1 Details of the possession strategy for Plumstead sidings maintenance are not yet agreed and shall be appended following consultation with Access Beneficiaries.

Title: Crossrail Central Operating Section Engineering Access Statement 2023
V4

Revision: 2.0

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6. (SECTION NOT USED)

7. REGISTER OF POSSESSIONS

Table 7-1: Disruptive Possessions

PPS/EPP Reference Number	Line of Route	Possession Location			Protection	Date and Time		Traffic Remarks	Work Type
		From	To	Lines		Start	End		
P2022/36026 89 TS11 and P2022/36028 08 SPZ	XR001/XR002	Portobello Junction (Beyond SN92)/ Sidings 1-8/ XR561	Pudding Mill Lane Junction (Approach L2135pts#)/Abbey Wood Bufferstops Pfm4)	Eastbound	TS11 Section 3 (plus subsequent SPZ for testing)	25/12/22 01:10	27/12/22 05:10	Block to electric traction. All running lines, turnbacks and stabling sidings wheels free. Units to be outstabled from CCOS. All Class 345 Units to receive software upload – protective path requests to be made to NR Routes to ensure Ilford, Gidea Park and Maidenhead sidings remain	ELR300 Seimens ATS Software Update Commissioning and Testing Precise timings for TS11 and SPZ to be finalised. NR to place protection at the possession limits.
	XR001/XR002	Pudding Mill Lane Junction (Beyond L2129pts# / / Abbey Wood XR397)	Portobello Junction (Approach (SN91, SN95 Bufferstops Turnbacks B&C)	Westbound		25/12/22 01:10	27/12/22 05:10		

								live.	
P2022/3502691	XR001/XR002	Portobello Junction (Beyond SN92) Sidings Access Line (XR374)	Pudding Mill Lane Portal (Approach XR416)/Abbey Wood Bufferstops Pfm4)	Eastbound	T3 Possession +OLE Isolation	4/02/23 01:10 Sat	6/02/23 05:10 Mon	52 Hours all lines possession. Block to electric traction. Stabled units to be localised in Staff Accountable Mode after the possession has been given up.	Cyclical Maintenance, Track, OLE and Ventilation
	XR001/XR002	Pudding Mill Lane Junction (Beyond XR415) / Abbey Wood (XR397)	Portobello Junction (Approach , (SN91, SN95) Bufferstops Turnbacks B&C)	Westbound		4/02/23 01:10 Sat	6/02/23 05:10 Mon		
P2022/3668466 TS11 P2022/3668467 SPZ	XR001/XR002	Portobello Junction (SN92)/ Sidings 1-8/ XR561	Pudding Mill Lane Junction (Approach L2135pts#)/Abbey Wood Bufferstops Pfm4)	Eastbound	TS11 Section 3 (plus subsequent SPZ for testing)	11/03/23 01:10	13/03/23 05:00	All running lines, turnbacks and stabling sidings wheels free. Units to be outstabled.	ELR400 Seimens ATS Software Update Over and back software testing
	XR001/XR002	Pudding Mill Lane Junction (Beyond	Portobello Junction (Approach	Westbound		11/03/23 01:10	13/03/23 05:00		

		L2129pts# / / Abbey Wood XR397)	(SN91, SN95 Bufferstops Turnbacks B&C)						
P2023/3668530 TS11 P2023/3668487 SPZ	XR001/XR002	Portobello Junction (SN92)/ Sidings 1-8/ XR561	Pudding Mill Lane Junction (Approach L2135pts#)/Abb ey Wood Bufferstops Pfm4)	Eastbound	TS11 Section 3 (plus subsequent SPZ for testing)	07/04/23 01:10	11/04/23 05:00	Block to electric traction. All running lines, turnbacks and stabling sidings wheels free. Units to be outstabled. All Class 345 Units to receive software upload – protective path requests to be made to NR Routes to ensure Ilford, Gidea Park and Maidenhead sidings remain live.	ELR400 Seimens ATS Software Update Commissioning and Testing Precise timings for TS11 and SPZ to be finalised. NR to place protection at the possession limits..
	XR001/XR002	Pudding Mill Lane Junction (Beyond L2129pts# / / Abbey Wood XR397)	Portobello Junction (Approach (SN91, SN95 Bufferstops Turnbacks B&C)	Westbound		07/04/23 01:10	11/04/23 05:00		

P2023/37405 83	XR001/XR002	Portobello Junction (Beyond SN92) Sidings Access Line (XR374)	Pudding Mill Lane Portal (Approach XR416)/Abbey Wood Bufferstops Pfm4)	Eastbound	T3 Possession +OLE Isolation	0100 Sat 18/11/2023	0500 Mon 20/11/2023	52 Hours all lines possession. Stabled units to be localised in Staff Accountable	Cyclical Maintenance, Track, OLE and Ventilation
	XR001/XR002	Pudding Mill Lane Junction (AppXR415) / Abbey Wood (XR397)	Portobello Junction (Approach , (SN91, SN95 Bufferstops Turnbacks B&C)	Westbound	T3 Possession +OLE Isolation	0100 Sat 18/11/2023	0500 Mon 20/11/2023	Mode after the possession has been given up.	