

Kent, Sussex & Wessex Routes

KSW

Week No.

50

PERIODICAL OPERATING NOTICE

CONTAINING

AMENDMENTS TO NATIONAL OPERATIONS PUBLICATIONS
INCLUDING NATIONAL OPERATING INSTRUCTIONS
MISCELLANEOUS INSTRUCTIONS AND NOTICES

INCORPORATING

SUPPLEMENT NO. 74 TO THE KSW ROUTE
SECTIONAL APPENDIX

SATURDAY 07 MARCH 2026
to
FRIDAY 05 JUNE 2026
Inclusive

For additional items during the currency of this Notice, see Section D of the
Weekly Operating Notice (WON).

Published quarterly, on the first Saturday of March, June, September and December.

This notice comprises of 32 pages

**For queries regarding the content of this publication contact:
PlanningPublications@networkrail.co.uk**

Sectional Appendix Feedback (SAF) Form QR Code



The Sectional Appendix Feedback (SAF) Form is designed for reporting anomalies in the National Electronic Sectional Appendix (NESA), paper copy Sectional Appendices, or other format (e.g. PDF file) Sectional Appendices.

It provides a structured way to log, investigate, and resolve errors.

Examples may include:

- Differences between what is published in NESA and in the corresponding paper copy Sectional Appendix
- Differences between what is published and what is provided on the network (e.g. speed change commencing at a different mileage, platform lengths longer or shorter than what is published).

If the QR code is not working, please use this link here to access the form:

networkrail-networkcapabilityupdatetool.oncreate.app/w/webpage/141GBPTP1

When to use Rail Notices

<https://www.railnotices.net/CommonInterface/Default.aspx>

Use Rail Notices for planned changes to infrastructure. Examples:

- New or altered infrastructure (e.g. junction renewals, changes to signals, electrification, line speed changes).
- Permanent withdrawal of capability (e.g. plain-lining, temporary speed restriction converted to a permanent speed restriction).

REMEMBER that any proposed changes to infrastructure capability, track layout, speeds, etc. MUST first be established through industry consultation via the Network Change process.

If you are unsure of which is the appropriate process to use, then please use this Sectional Appendix Feedback Form and a WON Approver will be in touch to provide further guidance.

ACKNOWLEDGEMENT SLIP

Please complete the Acknowledgement Slip below (if appropriate), detach it and hand it to your Supervisor/Manager.

I, the undersigned, acknowledge receipt of the Periodical Operating Notice and Supplement No. 74 to the KSW Route Sectional Appendix effective from Saturday 07 March 2026 to Friday 05 June 2026.

I undertake to familiarise myself with the contents and observe the instructions therein which apply to me.

Full Name (in capitals): _____

Signature (in full): _____

Location: _____

Date: _____

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Introduction

This Periodical Operating Notice (PON) composed of two sections:-

Part 1 contains items published for the first time in the PON. Items published in this first section that have not been published in the Weekly Operating Notice (WON) are additionally noted by a vertical line in the margin.

Part 2 contains items previously published in the PON that are still valid.

Items marked * * will not appear in future issues of the PON and a note must be taken of them.

Supplement to the Sectional Appendix

Attached to the back of this Notice are updates to the existing Sectional Appendix in the form of a Supplement. This is not part of the PON. It is a document in its own right. It has been physically attached to the PON to:

- ensure its effective distribution to all users
- reduce the amount of raw materials consumed in its generation and distribution
- reduce costs associated with production

The Supplement is identified as Supplement No. 74 and is dated 07 March 2026. In line with current industry standards items published in the Supplement will not appear in future PONs.

**Enquiries concerning amendments to the Sectional Appendix must be e-mailed to the
Planning Publications mailbox
PlanningPublications@networkrail.co.uk**

**Enquiries concerning amendments to the :
NATIONAL OPERATING PUBLICATIONS should be addressed to
STEVE RAY, NETWORK OPERATIONS.**

**Amendments to the Rule Book and Working Manuals for Railway Staff are produced by Rail
Safety & Standards Board.**

**NETWORK RAIL KSW ROUTE TAKE NO RESPONSIBILITY FOR ANY ERRORS THAT MAY BE
CONTAINED IN THESE AMENDMENTS**

**Enquiries concerning amendments to the Rule Book and Working Manual should be addressed
to:**

**RSSB
The Helicon
1 South Place
London
EC2M 2RB**

Email: enquirydesk@rssb.co.uk

RECORDING OF CONVERSATIONS

Telephone calls to Network Rail Signal boxes, Electrical Controls and Production Controls may be recorded for the purposes of monitoring the quality of safety related information being exchanged and to assist with investigations into incidents.

This publication is printed and distributed by APS Group

Telephone:

0161 495 4515

E-mail:

nrrons@theapsgroup.com

LATE OR NON-DELIVERY

Please contact APS Group if you have not received your PON by 15.00 hours on the Wednesday prior to the operative Saturday of this publication, thus allowing adequate time to expedite tracking and replacement procedures as necessary.

If you receive this publication from your line manager or a local distribution point arrangement, then please contact them direct and NOT APS Group

Part A - Foreword

A1 Introduction

This document contains new and previously published amendments to National Operations Publications, which are considered too urgent to await a complete reissue of the document concerned.

A2 Scope

This document is primarily used to publish minor changes to National Operations Publications. However, it may also be used to publish material changes that have already been consulted on but do not justify the reissue of a Rule Book module and / or handbook.

A3 Implementation

The publication date of this document is **07 March 2026**.

A4 Technical content

The technical content of this document has been approved by James Webb, Professional Head of Rail Operations, RSSB. Enquiries should be directed to RSSB at <https://customer-portal.rssb.co.uk/>.

A5 Definitions

Material change

Where duty holders are required by a Railway Group Standard to do something physically different.

Minor change

A minor change comprises of one of the following:

- Typographical errors or changes to administrative details such as telephone numbers, or
- Changes for the purpose of clarification, where there is negligible potential for misinterpretation which diminishes safety, or
- Changes to operational documents affecting only one duty holder, provided that the duty holder consents to those changes.

National Operations Publications

These are Railway Group Standards which set out mandatory requirements for direct application in the workplace and which are subject to frequent changes. These include any modules or handbooks forming part of the Rule Book (GERT8000) or its associated information handbooks with references in the RS500 series.

Periodical Operating Notice

An official document for publishing details of changes to National Operations Publications and local operational publications to the railway industry. This is often referred to as the PON.

Part B - Changes since previous issue

Amendment No	Publication and section
Part C - New amendments to National Operations Publications	
No new amendments	
Amendment No	Publication and section
Part D - Previous amendments to National Operations Publications	
No change to previous amendments	

Part C - New amendments to National Operations Publications

No new amendments

Part D - Previous amendments to National Operations Publications

GERT8000 Rule Book

Changes to various modules and handbooks as a result of the term 'manned level crossing' being replaced by 'manually-controlled level crossing'

Explanation of change

It has been pointed out that the use of the term 'manned level crossing' in the Rule Book suggests that the person operating the crossing must be a man. This is not correct and the wording has been changed as necessary to refer to these crossings as 'manually-controlled'.

The modules and handbooks concerned will be reissued over a period. Those listed below will not be reissued in printed format at this stage but were amended as shown from 3 December 2022. Existing copies should be altered in ink to show these changes.

Electronic versions of the modules and handbooks including these changes can be found at www.rssb.co.uk or in the Rule Book App.

Rule Book module or handbook	Section or regulation	Amendment
T3 ERTMS Possession of an ERTMS running line for engineering work where lineside signals are not provided	5.9	Amend 'manned level crossing' to 'manually-controlled level crossing'

Changes to various modules and handbooks as a result of the term 'pilotman' being replaced by 'pilot'

Explanation of change

It has been pointed out that the use of the term 'pilotman' in Rule Book modules P1 *Single line working* and P2 *Working single and bi-directional lines by pilotman* suggests that the person carrying out the role must be a man. This is not correct and the term has been changed to 'pilot'.

The modules and handbooks concerned will be reissued over a period. Those listed below will not be reissued in printed format at this stage but were amended as shown from 3 December 2022. Existing copies should be altered in ink to show these changes.

Electronic versions of the modules and handbooks including these changes can be found at www.rssb.co.uk or in the Rule Book App.

Rule Book module or handbook	Section or regulation	Amendment
T3 ERTMS Possession of an ERTMS running line for engineering work where lineside signals are not provided.	7.2	Amend 'pilotman' to 'pilot'
TS4 Electric token block regulations	2.2 8.1.1 8.2.1 8.6.1	Amend title of module P2 to read <i>'Working single and bi-directional lines by pilot'</i> .
TS4 Electric token block regulations	8.1.1 8.1.2 8.2.1 8.2.2 8.2.3 8.5 8.6.1 8.6.2 8.7 8.8	Amend 'pilotman' to 'pilot'
TS5 Tokenless block regulations	8.1 8.2	Amend title of module P2 to read <i>'Working single and bi-directional lines by pilot'</i>
TS5 Tokenless block regulations	8 8.1 8.2 8.3 8.4 8.5 8.5.2	Amend 'pilotman' to 'pilot'
TS7 No-signaller token regulations	2.2 8.1.1 8.2.1 8.3.1	Amend title of module P2 to read <i>'Working single and bi-directional lines by pilot'</i>

<p>TS7 No-signaller token regulations</p>	<p>3.1 8.1.1 8.1.2 8.2.1 8.2.2 8.2.3 8.3.1 8.3.2 8.4</p>	<p>Amend 'pilotman' to 'pilot'</p>
<p>TS8 One-train working regulations</p>	<p>8.1 8.4.1</p>	<p>Amend title of module P2 to read '<i>Working single and bi-directional lines by pilot</i>'</p>
<p>TS8 One-train working regulations</p>	<p>3.1 3.2 8 8.1 8.2 8.3 8.4.1 8.4.2</p>	<p>Amend 'pilotman' to 'pilot'</p>

Handbook RS524 List of Dangerous Goods and their United Nations numbers

Table 1

Explanation of change

The 2023 RID regulations include a number of changes to the details of UN numbers which are as shown below.

Delete: the following which ceased to be valid after 30th June 2023:

UN Number	Substance	Dangerous Goods Class	Subsidiary Hazard(s)	Packing Group
1169	Extracts, aromatic, liquid			

Amend: the following as shown:

UN Number	Substance	Dangerous Goods Class	Subsidiary Hazard(s)	Packing Group
1197	Extracts, liquid for flavour or aroma	3		II, III
1345	Rubber scrap or Rubber shoddy, powdered or granulated not exceeding 840 microns and rubber content exceeding 45%	4.1		II
1872	Lead dioxide	5.1		III
1891	Ethyl bromide (Bromoethane)	3	6.1	II
2015	Hydrogen peroxide, stabilized or hydrogen peroxide, aqueous solution, stabilized with more than 70% hydrogen peroxide	5.1	8	I

Add: the following new entry:

UN Number	Substance	Dangerous Goods Class	Subsidiary Hazard(s)	Packing Group
3550	Cobalt dihydroxide powder, containing not less than 10% respirable particles	6.1		I

Handbook RS524 List of Dangerous Goods and their United Nations numbers

Table 1

Explanation of change

The 2025 RID regulations include a number of changes to the details of UN numbers which are as shown below.

Amend: the following as shown:

UN Number	Substance	Dangerous Goods Class	Subsidiary Hazard(s)	Packing Group
1835	Tetramethylammonium hydroxide aqueous solution	8		II, III
2870	Aluminium borohydride in devices	4.2	4.3	
3165	Aircraft hydraulic power unit fuel tank (containing a mixture of anhydrous hydrazine and methyl hydrazine) (M86 fuel)	3	6.1 8	
3292	Batteries containing metallic sodium or sodium alloy cells, containing metallic sodium or sodium alloy	4.3		
3423	Tetramethylammonium hydroxide solid	6.1	8	I

Add: the following new entries:

UN Number	Substance	Dangerous Goods Class	Subsidiary Hazard(s)	Packing Group
3551	Sodium ion batteries with organic electrolyte	9		
3552	Sodium ion batteries contained in equipment or sodium ion batteries packed with equipment, with organic electrolyte	9		
3553	Disilane	2.1		
3554	Gallium contained in manufactured articles	8		
3555	Trifluoromethyltetrazole-sodium salt in acetone, with not less than 68% acetone, by mass	3		II
3556	Vehicle, lithium ion battery powered	9		

3557	Vehicle, lithium metal battery powered	9		
3558	Vehicle, sodium ion battery powered	9		
3559	Fire suppressant dispersing devices	9		
3560	Tetramethylammonium hydroxide aqueous solution with not less than 25% tetramethylammonium hydroxide	6	8	1

Part E - Amendments summary

GERT8000 Rule Book

Module, Issue and Section amended	Number	Published
Various modules and handbooks	01/22	December 2022
Various modules and handbooks	02/22	December 2022
Handbook RS524 List of Dangerous Goods and their United Nations numbers, issue 1, table 1	03/23	March 2023
Handbook RS524 List of Dangerous Goods and their United Nations numbers, issue 1, table 1	03/24	December 2024

Work Instructions For D.C. Electrified Lines in the Liverpool Area (Nr/Wi/EI/27051) (Dated June 2007)

Contents page 8 (Section F)

In sub-heading 21 **delete** reference to 'Rule book module TS2 regulation 9.2' and **substitute** 'Rule Book Module TS1, General Signalling Regulation 20.2'.

Section F

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20 Underground axle counter sections

In Clause 20.1 **delete** reference to 'Rule Book module TS2 Regulation 9' and **substitute** 'Rule Book Module TS1, General Signalling Regulation 20'.

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In sub-heading 21 **delete** reference to 'Rule book module TS2 regulation 9.2' and **substitute** 'Rule Book Module TS1, General Signalling Regulation 20.2'.

In Clause 21.1 **delete** reference to 'rule book module TS2 Regulation 9.4' and **substitute** 'Rule Book Module TS1, General Signalling Regulation 20.6'.

Miscellaneous Instructions

CONTACTING SIGNAL BOXES and GSM-R SIGNAL BOXES/PANELS

The telephone numbers shown below must be used if it is necessary to contact a signal box. These numbers may only be used in connection with essential messages regarding train operations or in case of emergency.

Note: GSM-R calls and messages will be diverted to another signal box/panel if:

- The signal box has closed ('switched out') while the line remains open
- The panel/workstation is unstaffed during 'Light Duty Working'

In an emergency or when safety of the line is affected, ALWAYS contact the controlling Signaller first.

Signal Box	Prefix	External No	Internal No	GSM-R No
Arundel	AR	01273 228303	00 68303	74 3303 01
Ashford Integrated Electronic Control Centre (IECC) Signaller Shift Manager	AD	0330 8531350	085 31350	74 2250 01
Workstation 1 <i>(Elmstead Woods - Hildenborough)</i>	AD	0330 8531285 0330 8531286	085 31285 085 31286	74 2253 01
Workstation 2 <i>(Hildenborough to Staplehurst including Tonbridge to Godstone and Paddock Wood to Beltring)</i>	AD	0330 8531287 0330 8531288	085 31287 085 31288	74 2254 01
Workstation 3 <i>(Ashford to Rye)</i>	AD	0330 8531289 0330 8531290	085 31289 085 31290	74 2255 01
Workstation 4 <i>(Staplehurst to Westenhangar)</i>	AD	0330 8531291 0330 8531305	085 31291 085 31305	74 2256 01
Workstation 5 <i>(Westenhangar to Folkestone/Eurotunnel interface)</i>	AD	0330 8531292 0330 8531306	085 31292 085 31306	74 2257 01
Ashford (CTRL) Shift Manager	AF	01233 739410 01233 739411	085 39410 085 39411	74 2004 02
Aylesford	AF	0330 8561742	085 61742	74 2209 01
Barnham	BH	01273 228354	00 68354	74 3307 01
Basingstoke Dorset Coast	PW	01256 490010	075 0010/19	74 4208 01
Basingstoke East Signaller	BE	01256 478756	07 50186	74 4205 01
Basingstoke West Signaller	BE	01256 478758	07 50193	74 4206 01
Basingstoke West of England Panel	SE	01256 490006	07 50006	74 4207 01
Bognor Regis	BR	01273 228358	00 68358	74 3309 01
Basingstoke Rail Operating Centre	BEF			
BROC Shift Manager	BEF	0330 8543011	085 43011	74 3370 01
Strawberry Hill Workstation 1 <i>(Norbiton/Shepperton to Strawberry hill including depot)</i> <i>(Richmond to Whitton)</i>	BEF	0330 8543012	085 43012	74 3371 01
Staines Workstation 2 <i>(Whitton to Egham) (Chiswick to Hounslow) (Staines to Windsor & Eaton Riverside)</i>	BEF	0330 8543014	085 43014	74 4102 01
Ascot Workstation 3 <i>(Rusham CCTV to Earley) (Virginia Water to Addlestone)</i> <i>(Ascot to Frimley)) (Farnborough North to Wokingham Junction)</i>	BEF	03308543013	085 43013	74 4103 01

CONTACTING SIGNAL BOXES and GSM-R SIGNAL BOXES/PANE- Continued

Signal Box	Prefix	External No	Internal No	GSM-R No
Level Crossing Workstation 1 <i>(Chertsey CCTV Grove Park CCTV Wood Lane CCTV Star Lane CCTV Wokingham CCTV)</i>	BEF	0330 8543015	085 43015	
Level Crossing Workstation 2 <i>(Thorpe Lane CCTV Pooley Green CCTV Egham CCTV Rusham CCTV)</i>	BEF	0330 8543016	085 43016	
Bo Peep Junction	BJ	01233 651119	00 71119	74 3299 01
Bo-Peep Signal Box Telephone Line		03308561922	08561922	
Bournemouth	BC	01202 295893	075 3332	74 4213 01
Brockenhurst	BH	01590 623800	075 8704	74 4212 01
Canterbury West	EDH	0330 8553184	085 53184	74 2217 01
Canterbury Wye Area Control Centre	EBT	0330 8553191	085 53191	74 2222 01
Charlton Lane (crossing box)		0330 8531222	08531222	N/A
Chichester	CC	01273 228360	00 68360	74 3310 01
Cuxton	CX	0330 8553556 0330 8553589	085 53556 085 53589	74 2207 01
Deal	EBZ	0330 8526920 0330 8526908 0330 8529927	085 56920 085 26908 0852 9927	74 2221 01
Dorchester South	DR	01305 262483	085 28317	74 4201 01
Dorking	CBK	01483 804648 01483 804618	00 64648 00 64618	74 3300 01
East Farleigh	EF	0330 8561744	085 61744	74 2211 01
East Kent Signalling Centre (EKSC)				
Signaller Shift Manager	EK	0330 8553593	085 53593	74 2230 01
Ramsgate Workstation – Minster East Junction (excl) to London side of Birchington-on-Sea	EK	0330 8553600	085 53600	74 2232 01
Faversham Workstation – London side of Birchington-on-Sea/Buckland Junction (excl) to Sittingbourne (excl)	EK	0330 8553599	085 53599	74 2231 01
Rochester Workstation – Longfield (excl/Higham (incl) to Chatham Station	EK	0330 8553585	085 53585	74 2234 01
Sittingbourne Workstation – Chatham Station (excl) to Sittingbourne (incl) Sheerness branch (complete) Note: Signal prefix on the Sheerness branch between Middle Junction (excl) and Sheerness is EV	EK EV	0330 8553539	085 53539	74 223301
Eastleigh, Signaller Shift Manager		02380 612142	075 7202	74 4224 01

Miscellaneous Instructions - Continued
Contacting Signal Boxes and GSM-R Signal Boxes/Panels –
Continued

Signal Box	Prefix	External No	Internal No	GSM-R No
Panel 1 – Worting Jn (excl) – Southampton Parkway, Hedge End to Eastleigh	E / EH	02380 728875	075 8875	74 4220 01
Panel 2 – (St Denys End) Southampton Parkway (excl) to Northam (incl) Northam to Southampton Eastern Docks	E	02380 728890	075 8890	74 4221 01
Panel 2 (Southampton / Fareham End) – Northam (excl) to Southampton (incl), Fareham to Hedge End / St Denys	E	02380 728890	075 7251	74 4222 01
Panel 3 – Dunbridge (excl) to Millbrook, Ashurst New Forest / Marchwood to Redbridge, Southampton Western Docks	E	02380 728894	075 8894	74 4223 01
FAX			075885	
Exeter	E	01392 210873	07 66410 07 66411 07 66412	
Exmouth Jn	EJ	01392 412764	07 66311	
Folkestone East	YE	0330 8526924	085 26924	74 2218 01
Guildford ASC	GD	01483 302311		
<i>Guildford (North end) to Worplesdon/ Bookham/Farnborough North Guildford (South end) to Farncombe/Gomshall</i>			00 67726 00 67727	74 4110 01/ 74 4111 01
Grain Crossing Keeper			07746 802420	N/A
Hastings	EDL	0330 8529822 0330 8529831	085 29822 085 29831	74 2223 01
Havant ASC				
Havant Workstation (Petersfield exc/ Emsworth/ Fareham exc to Hilsea)	HT	023 8075 6181	07 56181	74 4225 01
Portsmouth Workstation (Hilsea exc to Portsmouth Harbour)	HT	023 8075 6185	07 56185	74 4226 01
Kingsferry Bridge		01795 423627		N/A
Lancing				
Panel 1 (Hove to East Worthing)	LG	01903 763937	00 60015	74 3311 01
Panel 2 (East Worthing to Angmering)	LG	01903 763937	00 60016	74 3312 01
Panel 3	LG	01903 763937	00 60018	
Littlehampton	LH	01273 228307	00 68307	74 3308 01

Miscellaneous Instructions - Continued
Contacting Signal Boxes and GSM-R Signal Boxes/Panels –
Continued

Signal Box	Prefix	External No	Internal No	GSM-R No
Littlehaven (Crossing box)		01273 784750	00 60750	
Maidstone East	ME	0330 8561751	085 61751	74 2202 01
Maidstone West	MS			74 2210 01
		0330 8561756 0330 8561757	085 61756 085 61757	
Marchwood	MW	02380 728028	075 8028	74 4230 01
Minster	EBE	0330 8526333	085 26333	74 2215 01
New Cross Gate, East London Line Signalling Control Centre	EL	02033566773	067-66773	74926601
North Kent (Ashford IECC) North Kent 1 (Woolwich/ Falconwood / Mottingham to Dartford)	NK	0330 8531314	085 31314	74 2251 01
North Kent 2 Dartford /Higham / Grain single line	NK	0330 8531320	085 31320	74 2252 01
Oxted	OD	01883 716293	00 64150	74 3279 01
Reigate	RG	020 7928 5151	00 64786	74 3301 01
Robertsbridge	RB	0330 8529912	085 29912 085 31543	74 2224 01
Rye	RY	0330 8531278	085 31278	74 2219 01
Salisbury	SY	01722 329480	075 5111 / 075 8547	74 4218 01
Sandwich Sandwich Signal Box Fax Line	SW	03308529963 0330 8526906 03308529929	08529963 085 26906 08529929	74 2220 01
Sturry	ST	0330 8553183	085 53813	74 2216 01

Miscellaneous Instructions - Continued

Contacting Signal Boxes and GSM-R Signal Boxes/Panels –

Continued

Signal Box	Prefix	External No	Internal No	GSM-R No
Three Bridges Rail Operating Centre (TBROC)				
TBROC TULSE HILL WORKSTATION (Between Birkbeck, Bromley Jn and Streatham Hill via Crystal Palace)	TVC	0330 857 5007	085 75007	74 3105 01
Shift Signalling Manager (Kent)		01293 621368	085 75368	74335501
Shift Signalling Manager (Sussex)		01293 621350	085 75350	74335501
Shift Signalling Manager (Victoria Central)		0330 8575001	08575001	74310801
TBROC East Sussex Workstation Glynde – Eastbourne & Willingdon Jn to West St Leonards	TEB	01293 621 351	085 75351	74 333001
TBROC Lewes Workstation Cooksbridge/Lewes to Seaford	TLW	01293 621354	085 75354	74 333000
TBROC Cannon Street “A” Workstation Cannon Street to London Bridge	TL	01293 621360	085 57360	74 332901
TBROC Cannon Street “B” Workstation London Bridge to New Cross/	TL	01293 621361	085 57361	74 333301
TBROC Lewisham Workstation New Cross to Lewisham	TL	01293 621364	085 57364	74 333501
TBROC Angerstein Workstation Deptford/Lewisham to Woolwich Arsenal/Eltham	TL	01293 621393	085 75393	74 333901
TBROC Grove Park “A” Workstation Lewisham to Hayes/Hither Green (excl)	TL	01293 621370	085 75370	74 333601
TBROC Grove Park B Workstation Hither Green to Grove Park (Incl Bromley North Branch)	TL	01293 621371	085 75371	74 333801
TBROC 3A London Bridge Central Workstation London End Bricklayers Arms Jn/South Bermondsey Stn to London Bridge Station	TL	01293-621363	085 75363	74 3331 01
TBROC 3B London Bridge Central Workstation Country End Anerley/East Dulwich to Bricklayers Arms Jn/South Bermondsey Stn	TL	01293-621366	085 75366	74 3332 01
TBROC Charing Cross Workstation London Bridge to Charing Cross station	TL	01293 621362	085 75362	74 3327 01
TBROC Thameslink Core South Workstation Farringdon (incl) to Loughborough Junction (excl)	TVS	01293 621369	085 75369	74 3326 01
TBROC Thameslink Core Central Workstation Farringdon (excl) to Kentish Town (excl) and Camden Road tunnels to St Pancras High Level platforms	TWH	01293 621367	085 75367	74 3325 01
TBROC Streatham Workstation Between Balham Jn (excl) and Norbury Between Tulse Hill (excl) and Streatham South Jn Between Streatham South Jn and Tooting Down & Up Slow Spurs Down & Up Streatham Spurs Reversible Fast Spur	TVC	01293 621352	085 75352	74 3328 01
TBROC Sutton Workstation Wallington/Mitcham Eastfields/ Epsom downs to Sutton Sutton to Cheam/ Haydons Road (Incl Wimbledon P9)	TVC	01293 621353	085 75353	74 3106 01
TBROC Victoria Central Workstation (Battersea park to Victoria P9-19)	TVC	0330 8575003	085 75003	74 3102 01
TBROC Victoria Eastern Workstation Between Battersea Pier Jn (Eastern lines) and Victoria, platforms 1-8)	TVS	0330 8575006	085 75006	74 3107 01
TBROC Clapham Workstation (Between Wandsworth Common and Battersea Park and between Latchmere Jn and North Pole Jn.)	TVC	0330 8575004	085 75004	74 3103 01
TBROC Balham Workstation (Between Wandsworth Common and Balham Jn and between Streatham Hill station and Balham station)	TVC	0330 8575005	085 75005	74 3104 01

Miscellaneous Instructions - Continued
Contacting Signal Boxes and GSM-R Signal Boxes/Panels –
Continued

Three Bridges Area Signalling Centre (TBASC)	T			
Shift Signaller Manager Desk 1	T	01293 621384	00 61759	74 3289 01
Shift Signaller Manager Desk 2	T	01293 621385	00 61758	74 3289 01
Panel 1a <i>(Norwood Junction to Norwood Fork Junction)</i>	T	01293 621374	00 61751	74 3280 01
Panel 1b <i>(Windmill Bridge Junction/Cottage Junction to South Croydon South Croydon to Upper Warlingham)</i>	T	01293 621375	00 61760	74 3281 01
Panel 1c <i>(Thornton Heath to Selhurst. Norwood Fork Junction (excl) to West Croydon)</i>	T	01293 621376	00 21002	74 2102 01
Panel 2 <i>(South Croydon (excl) to south of Stoats Nest Jn on the Quarry lines and to Coulsdon South on the Redhill lines. and Purley to Caterham/Tattenham Corner)</i>	T	01293 621377	00 61752	74 3283 01
Panel 3 <i>(Quarry Tunnel/Merstham Tunnel (incl) to Salfords (incl). Redhill to Godstone)</i>	T	01293 621378	00 61753	74 3284 01
Panel 4 <i>(Horley (incl) to Balcombe Tunnel Jn (incl) and Three Bridges to Crawley)</i>	T	01293 621379	00 61754	74 3285 01
Panel 5 <i>(Balcombe Tunnel Jn (excl) to Patcham Tunnel (incl). Keymer Jn to Plumpton (incl). Ardingly Branch)</i>	T	01293 621380	00 61755	74 3286 01

Miscellaneous Instructions - Continued
Contacting Signal Boxes and GSM-R Signal Boxes/Panels –
Continued

Signal Box	Prefi x	External No	Internal No	GSMR No
Panel 6 <i>(Patcham Tunnel (excl) to Brighton/Hove). Brighton to Falmer</i>	T	01293 621381	00 61756	74 3287 01
Panel 7 <i>Horsham station area (Billingshurst (exclusive) and Three Bridges (exclusive))</i>	T		00 61778 00 61772	74 3288 01
Panel 7a	T	01293 621382		
Panel 7b	T	01293 621383		
Tonbridge	PE	0330 8531542	085 31542	74 2200 01
Victoria Area Signalling Centre (VASC)				
Victoria (SE) Signaller Shift Manager <i>(Battersea Park to Victoria, platforms 9-19)</i>	VS	020 7228 5370	00 25127	74 3101 01
Panel 7 <i>(Between Linford St Jn and Brixton Jn and Canterbury Road Jn (main line) Between Latchmere Jn and Factory Jn and Shepherds Lane Jn. Lines via Stewarts Lane including depot)</i>	VS	0330 8553307	08553307	74 3109 01
Panel 8 <i>(Between Ravensbourne and Loughborough Jn via Nunhead (Catford Loop) Between Shepherds Lane Jn and Peckham Rye on the Atlantic Lines)</i>	VS	0330 8553308	08553308	74 3110 01
Panel 9 <i>(Between Beckenham Jn and Herne Hill via main line)</i>	VS	0330 8553309	08553309	74 3111 01
Panel 10 <i>(Between Bat and Ball/Kemsing and Swanley via Oxford. Between Longfield and Ravensbourne via Swanley, Bickley / Bromley South)and Shortlands</i>	VS			74 3112 01/ 74 3113 01
Panel 10A		03308553310	08553310	
Panel 10B		03308553312	08553312	
Wateringbury	WB	0330 8531445	08531445	74 2212 01

Miscellaneous Instructions - Continued
Contacting Signal Boxes and GSM-R Signal Boxes/Panels – Continued

Signal Box	Prefix	External No	Internal	GSM-R No
Westbury - Lavington (excl.) to Fairwood Jn (incl.) via Westbury station or Westbury avoiding line, also Heywood Road Jn to Bradford- on-Avon (incl.), also Hawkeridge Jn to Warminster (incl.) and Fairwood Jn (incl.), also Thingley Jn (excl.) to Bradford Jn - Fairwood Jn (excl.) to Somerton Tunnel (incl.), Yeovil Pen Mill(excl.), Merehead and Cranmore via Frome station or Frome avoiding line; also Frome North Jn to Whatley Quarry-	W	01373 826518	07 47212/3 07 47214 / 5	
Wimbledon , Signaller Shift Manager W'loo pl. 1-14 & Main line - Clapham Junction W'loo pl. 15-24 & Windsor lines to Putney Clapham Junction - Berrylands Kingston - Putney Bridge Wimbledon (Including LUL) Raynes Park (excl) - Boxhill - Bookham Ewell East - Chessington Putney - North Sheen, Barnes - Chiswick	W Panel 1 Panel 2 Panel 3 Panel 4 Panel 5	020 8540 1901 033 0855 3821 033 0855 3822 033 0855 3823 033 0855 3824 033 0855 3774	00 62525 00 62254 08 553821 08 553822 08 553823 08 553824 08 553774	 74 4112 01 74 4112 01 74 4113 01 74 4114 01 74 4115 01 74 4116 01
Wimbledon Duty Shift Manager	W	020 8540 1901	00 62525 00 62254 00 62226	74 4117 01
All Desks	W		00 62345	
Panel 2 (Waterloo International to Clapham Jn.)	W	020 8545 5522	00 62522 00 62212	
Woking -West Byfleet (incl) to Farnborough (excl), Woking Jn to Worplesdon and Pirbright Jn to Ash Vale (excl) Berrylands to West Byfleet (excl), Chertsey (excl) to Weybridge and Addlestone Jn to Byfleet Jn Hampton Court Jn to Hampton Court/ Cobham	WK	033 085 63878	00 69410 00 69420	74 4108 01 74 4109 01
Woking Panel 3 Ash Vale to Alton Aldershot South Junction (excl) Ash Vale to Frimley		01483 749469	00 69469	74 4121 01

Miscellaneous Instructions - Continued
Contacting Signal Boxes and GSM-R Signal Boxes/Panels – Continued

WASC LOMs Office		033085 29522	085 29522	
Woking ASC 1st Flr Ops Rm back desk Tel		033085 29512	085 29512	
Woking ASC D/L to Eastleigh ECR		033085 29508	085 29508	
Woking ASC Pan 1 DL to Raynes Pk ECR		033085 29555	085 29555	
Woking ASC Pan 1 DL to Cntrl B/stoke		033085 29505	085 29505	
Woking ASC Pan 3 DL to Cntrl B/stoke		033085 29531	085 29531	
Woking ASC Pan 3 DL to Eastleigh ECR		033085 29559	085 29559	
Woking ASC Panel 1 Ops Tel		033085 29459	085 29459	
Woking ASC Panel 2 Tel		033085 29532	085 29532	
Woking ASC Panel 3 Ops Tel		033085 29598	085 29598	
Woking CRE portacabin EMP desk		033085 29468	085 29468	
Woking MOMS Office Woking Box		033085 29465	085 29465	
Woking SB Electrical Switch Room Tel		033085 29517	085 29517	
Woking Signal Box Fax		033085 29488	085 29488	
Woking Signal Box Plant desk ETD		033085 29506	085 29506	
Woking Signal Box S&T Phone		033085 29526	085 29526	
Woking Signal Box Signalling Modem		033085 29504	085 29504	
Yeovil Pen Mill	YPM	01935 471058	074 7333	74 4204 01

Miscellaneous Instructions - Continued
Contacting Signal Boxes and GSM-R Signal Boxes/Panels –
Continued

SIGNAL BOX/PANEL - WESTERN	SIGNAL PREFIX	GSM-R CONTACT NUMBER
Thames Valley SC Shift Signalling Manager	-	74 5100 01
Thames Valley SC Paddington workstation GSM-R coverage area: Paddington to Acton West Jn (excl), Old Oak Common West to Park Royal Jn	SN	74 6100 01
Thames Valley SC Acton workstation GSM-R coverage area: Acton West Jn to Southall West Jn (excl), West Ealing Jn to South Greenford (excl), Hanwell to Drayton Green Jn	SN	74 6105 01
Thames Valley SC Hayes workstation GSM-R coverage area: Southall West Jn to Stockley Bridge Jn, Heathrow Branch to Terminals 4 & 5	SN	74 6106 01
Thames Valley SC Twyford workstation GSM-R coverage area: Reading Platforms 4, 5 & 6, Ruscombe to Kennet Loop, Twyford to Henley	TR DM UM	74 5105 01
Thames Valley SC Reading Station workstation GSM-R coverage area: Reading New Jn to Reading West Jn (excl) except Reading Platforms 4, 5 & 6	TR	74 5111 01
Thames Valley SC West Junction workstation GSM-R coverage area: Reading West Jn to Cholsey and Oxford Road Jn, Oxford Road Jn to Southcote Jn, Southcote Jn to Route Boundary and Drakes No2 LC	TR	74 5106 01
Thames Valley SC Newbury workstation GSM-R coverage area: Oxford Road Jn to Lavington	TR	74 5110 01
Thames Valley SC Didcot workstation GSM-R coverage area: Moreton Cutting to Challow, Didcot East Jn to Didcot North Jn, Foxhall Jn to Didcot West Curve Jn, Didcot West Jn to Radley (excl)	SB	74 5107 01

GSM-R – ELECTRICAL CONTROL ROOM (ECR) CONTACT NUMBERS –
KENT/SUSSEX

ELECTRICAL CONTROL ROOM	GSM-R CONTACT NUMBER
ECO Brighton	74 4030 03
ECO Eastleigh	74 4042 03
ECO Raynes Park	74 4040 03
ECO Selhurst	74 4041 03

GSM-R – ROUTE CONTROL CONTACT NUMBERS – KENT/SUSSEX

NETWORK RAIL OPERATIONS CONTROL	GSM-R CONTACT NUMBER
Network Delivery Manager Kent Inner	74 3020 02
Network Delivery Manager Kent Outer	74 3021 02
Network Delivery Manager Sussex Inner	74 3030 02
Network Delivery Manager Sussex Outer	74 3031 02

GSM-R – ROUTE CONTROL CONTACT NUMBERS – WESSEX

NETWORK RAIL OPERATIONS CONTROL	GSM-R CONTACT NUMBER
Route Control Manager Wessex Inner	74 3040 02
Route Control Manager Wessex Outer	74 3041 02

GSM-R – ELECTRICAL CONTROL ROOM (ECR) CONTACT NUMBERS – WESSEX

ELECTRICAL CONTROL ROOM	GSM-R CONTACT NUMBER
ECO Eastleigh	74 4042 03
ECO Raynes Park	74 4040 03

Miscellaneous Instructions - Continued

NETWORK RAIL ELECTRICAL CONTROL ROOMS

CONTROL ROOM	EMERGENCY LINE	INTERNAL NUMBER	EXTERNAL NUMBER	MOBILE (in emergency)
BRIGHTON	171	00 61284	01273 820050	07771 672803
CANTERBURY	175	085 41190 (Emergency) 085 41191 (Non-Emergency)	0330 854 1190 (Emergency) 0330 854 1191 (Non-Emergency)	07771 612364
EASTLEIGH	173	075 7547 075 7472	0330 855 7452.	07771 830393
LEWISHAM	177	085 41070 (Emergency) 085 41071 (Non-emergency)	0330 854 1070 (Emergency) 0330 854 1071 (Non-emergency)	07771 612930
PADDOCK WOOD	172	08541075	03308541075	
ECO PADDOCK WOOD NON-EMERGENCY		08541076	03308541076	07771830372
RAYNES PARK	178	00-62900 00-62901	020 8545 5900 0330 854 1021	07771 613564
RUGBY	172 (London end) 177 (West Coast)	050-6422 050-6533	01788 555422	
SELHURST	179	00-66993	020 8653 6297	07771 830361

CROYDON TRAM LINK

020 8689 5613 (Emergency line)

020 8689 7251

CONTACTING LEWISHAM ELECTRICAL CONTROL ROOM

From immediate effect, unless you have a direct line or 'hotline', anyone wishing to speak to the LEWISHAM Electrical Control Room should use the following numbers:

Emergency – 085 41070 (External – 0330 854 1070)

Non-emergency – 085 41071 (External – 0330 854 1071)

Previous contact numbers will divert to the lines above, but incoming calls will not be identified with caller ID and could lead to you waiting longer to be answered.

Emergency short code (only from railway ETD) – 177 remains active.

Please ensure any mobile phones/speed dials are updated at the earliest opportunity.

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Rule Book Module T10 – Duties of a designated person (DP) and people working on rail vehicles

Section 4 – General duties of a DP

Working on a train on a running line including at a station platform

Red flashing light/flag units are provided at a number of locations for use of train operator staff working on trains in terminal platform lines only.

A second red flashing light/flag unit will be exhibited in the following circumstances:

5. When length of the train/platform curvature, etc requires the additional unit to be positioned towards the centre of the train, or
6. When the work/examination involves train operator staff going underneath the train, unless this is a coach upon which a unit is already exhibited.

The Rule Book, Module T10, Section 4.3 is modified accordingly.

South East (Kent/Sussex/Wessex) Territory GI – Dated: 19/03/11

Rule Book Module TS1 - General signalling regulations

Section 13, Clause 13.1 - Personnel asking for trains to be stopped

These Instructions modify and prescribe the actions to be taken by the controlling signaller within the modular rule book General Signalling Regulations TS1 13.1 (Personnel asking for trains to be stopped), when a member of station staff or Network Rail Employee makes a request to recover an item dropped on the track (using non-conductive litter pickers or other suitable equipment) **whilst remaining on the station platform**.

When a person makes a request to recover an item from the track whilst remaining on the platform the signaller must:

7. Confirm with the person who has requested to recover the item the exact location and from which line the item is to be recovered from;
8. Confirm that the person will recover the item **whilst remaining on the station platform**;
9. Record details on the Personnel asking for trains to be stopped form (NR 3178) of the line to be blocked, the protecting signal(s) and the role and employer of the person making the request to recover the item; If the controlling signal is controlled by another signaller, confirmation must be obtained by the signaller receiving the request that the protecting signal is confirmed to be at red and protection afforded by that signaller
10. Arrange for the line from which the item is to be recovered from ONLY to be blocked, affording reminder appliances for the line blockage as necessary;
11. Confirm with the person who has requested to recover the item that the line will stay blocked until they inform you that the item has been recovered and they are in a place of safety away from the platform edge;
12. Remind the person about adjacent lines that remain open for normal working and where applicable that the traction current remains live.
13. Give the person an authority number
14. Give that person permission for the activity to start and recover the item.

When the person has recovered the item confirms that the item has been recovered and they are in a place of safety away from the platform edge, the signaller must:

1. Record this on the Personnel asking for trains to be stopped form
2. The person who asked for the line to be blocked will tell you their authority number
3. Withdraw the signal protection / reminder appliances and return to normal working.

If a person makes a request to recover an item by **going onto the track**, the requirements of rule book modules TS1 (13) Section 13.1 and SS1 (2) must continue to be fully applied.

Wessex Route GI - Dated: 07/12/2024

Rule Book Module TS1 – General signalling regulations

Regulation 13.2 – COSS, IWA or PC blocking a line

Regulation 13.2.4 – Additional protection

Handbook 8 – IWA, COSS or PC blocking a line, section 2.5

Handbook 8 – IWA, COSS or PC blocking a line, section 2.6

The use of an approved track circuit operating device (T-COD) is authorised throughout Network Rail Wessex Route (RWEX) subject to the conditions shown below, and as shown in the following tables.

If a section of route or location is not shown in the left-hand column and it does not show it as prohibited in the right-hand column, a T-COD must not be used.

Approved track-circuit operating devices

Only the following T-CODs are currently approved for use on Network Rail Wessex Route (RWEX):

- T-COD bullhead rail (SAFE 7265) Cat. No. 0057/052991
- T-COD flat-bottom rail (SAFE 7239) Cat. No. 0057/052992
- Manufacturer: Safetrack Baavhammer AB (may be identified as 'TRACK WARNING', 'SAFETRACK SAFE' or 'TRACK')
- Remote T-CODs and their location for use are detailed within the standard NR/L3/OPS/009
- ZKL3000 manufactured by Duel Inventive (Cat. No. 057/052973)
- ZKL3000RC manufactured by Duel Inventive (Cat. No. 057/052993)

Manual track-circuit operating devices

The following must be noted and understood before using a manual T-COD:

- Must not be used on a track circuit affected by track circuit failures, broken rail, or negative impedance bond.
- Must not be used on a line equipped with axle counters.
- Must not be used where permissive working applies (as indicated by the remarks PP, PP-A, PP-S, PP-C and PF in Table A of this publication).
- Must not be used on the approach to an OD, AHBC, ABCL or AOCL level crossing.
- Must not be applied between the signal protecting a CCTV or MCB level crossing and the level crossing itself.
- Must not be applied in 'fourth rail' electrified areas.
- Must not be applied where check or guard rails are provided.
- Must not be used where there are single-rail rack circuits on 'third rail' electrified areas (identified by the yellow cover on the underside of the running rail).
- Must not be used where track circuits in sidings are present
- Must not be used on a tokenless block line.
- May only be used by a person trained and certified competent in the use of the T-COD being applied.
- May only be used in areas where signals are controlled or maintained by the operation of track circuits.

Cautionary notes

- Applying a T-COD near points may inhibit the use of some signalled routes which are unaffected by the work.
- Applying a T-COD on a section of line that becomes part of an overlap track circuit may inhibit the use of some signalled routes which are unaffected by the work.
- Applying a T-COD in an area where Train-Operated Warning System (TOWS) is fitted will prompt a continuous warning from the TOWS equipment.
- T-CODs must be applied either on the approach to the worksite or within the first signal section of the worksite itself. The presence of converging routes must be considered when planning protection by T-COD.

Additional instructions for remote-controlled track-circuit operating devices (RC T-CODs)

Wessex Route will on a case-by-case basis review applications for permanent installations of RC T-CODs. Any such prohibition shown in this list that may otherwise apply will be superseded by the application upon approval by the relevant Signals & Telecoms representative and the route Head of Assets.

A complete list of permanently installed RC T-CODs in use on Wessex Route will be maintained by the relevant Project Manager.

Locations where T-COD are permitted	Locations where T-COD use is prohibited
SW100 Waterloo to Clapham Junction	
Between Waterloo and Nine Elms Jn: <ul style="list-style-type: none"> • Down Main Slow from Waterloo to W91 • Down Main Fast from Waterloo to W93 • Up Main Slow from W60 to Waterloo • Up Main Fast from W62 to Waterloo • Up Main Relief (incl.) • Down Windsor Slow from Waterloo to W97 • Down Windsor Fast from Waterloo to W99 • Up Windsor from W64 to Waterloo • Windsor Reversible from W922 to Waterloo 	<ul style="list-style-type: none"> • South Siding (Waterloo) • Engineer's Siding (Waterloo) • North Siding (Waterloo)
Between Nine Elms Jn and Linford Street Jn: <ul style="list-style-type: none"> • Down Waterloo Curve from W99 to VS73 • Up Waterloo Curve from VS74 to W64 	<ul style="list-style-type: none"> • No restrictions
Between Nine Elms Jn and West London Jn: <ul style="list-style-type: none"> • Down Main Slow from W91 to W121 • Down Main Fast from W93 to W123 • Up Main Slow from W102 to W60 • Up Main Fast from W104 to W62 • Down Windsor/Down Windsor Slow from W97 to W127 • Down Windsor Fast from W119 (Queenstown Road) to W129 • Up Windsor from W96 to W64 • Windsor Reversible from W930 to W922 	<ul style="list-style-type: none"> • No restrictions
Between West London Jn and Latchmere No. 3 Jn: <ul style="list-style-type: none"> • Down Sheepcote Lane from West London Jn (624 pts) to Latchmere No. 3 Jn (282 pts) • Up Sheepcote Lane from Latchmere No. 3 Jn (283 pts) to West London Jn (625 pts) 	<ul style="list-style-type: none"> • No restrictions
Between West London Jn and Clapham Jn: <ul style="list-style-type: none"> • Down Main Slow from W121 to W155 • Down Main Fast from W123 to W157 • Up Main Slow from W120 to W102 • Up Main Fast from W122 to W104 • Up Main Loop (incl.) • Down Windsor Slow from W127 to W307 • Down Windsor Fast from W129 to W309 • Up Windsor Slow/Windsor Reversible from W302 to W930 • Up Windsor Fast/Up Windsor W300 from to W96 	<ul style="list-style-type: none"> • West London Sidings No. 1 • West London Sidings No. 3 • West London Sidings No. 6 • Engineer's Sidings (Clapham Jn)
Between Clapham Jn and Longhedge Jn: <ul style="list-style-type: none"> • Down Ludgate from Clapham Jn to VS70 • Up Ludgate from W135 to Clapham Jn 	<ul style="list-style-type: none"> • Middle Siding (Clapham Jn)
Between Clapham Jn and Latchmere No. 2 Jn: <ul style="list-style-type: none"> • Down Latchmere Curve from Clapham Jn to Latchmere No. 2 Jn (295 pts) • Up Latchmere Curve from Latchmere No. 2 Jn (296 pts) to Clapham Jn 	<ul style="list-style-type: none"> • Middle Siding (Clapham Jn)

SW105 Clapham Junction to Weymouth	
<p>Between Clapham Jn and Raynes Park:</p> <ul style="list-style-type: none"> • Down Main Slow/Down Slow from W155 to W215 • Down Main Fast/Down Fast from W157 to W217 • Up Slow/Up Main Slow from W194 to W120 • Up Slow/Up Main Fast from W192 to W122 • Down Epsom from Raynes Park (804 pts) to W401 • Up Epsom from W400 to Raynes Park (802A pts) 	<ul style="list-style-type: none"> • Up Siding No. 1 (Wimbledon Park CSD) • Up Siding No. 2 (Wimbledon Park CSD) • Siding No. 1 (Wimbledon Traincare Depot) • Down Sidings (Wimbledon)
<p>Between Raynes Park and New Malden:</p> <ul style="list-style-type: none"> • Down Slow from W215 to WK121 • Down Fast from W217 to WK323 • Up Slow from W234 to W194 • Up Fast from W232 to W192 • Down Kingston from New Malden Jn (811 pts) to BEF2419 • Up Kingston from W212 to New Malden Jn (813 pts) 	<ul style="list-style-type: none"> • Up Kingston from W212 to % Elm Road Crossing
<p>Between New Malden and Hampton Court Jn:</p> <ul style="list-style-type: none"> • Down Slow from WK121 to WK133 • Down Fast from WK323 to WK335 • Up Slow from WK336 to W234 • Up Fast from WK134 to W232 • Down Hampton Court from Surbiton (2101A pts) to WK527 • Up Hampton Court from to WK520 to Hampton Court Jn (2114 pts) 	<ul style="list-style-type: none"> • Up Siding (Surbiton)
<p>Between Hampton Court Jn and Byfleet Jn:</p> <ul style="list-style-type: none"> • Down Slow from WK133 to WK157 • Down Fast from WK335 to WK359 • Up Slow from WK158 to WK134 • Up Fast from WK360 to WK336 • Down Hampton Court from Surbiton (2101A pts) to WK527 • Down Cobham from Hampton Court Jn (2117 pts) to WK701 • Up Cobham from WK702 to Hampton Court Jn (2119 pts) • Down Chertsey from Weybridge to WK904 • Up Chertsey from WK901 to Up Bay Buffer Stops • Down Byfleet Curve from WK549 to Byfleet Jn (2137 pts) • Up Byfleet Curve from Byfleet Jn (2135 pts) to WK544 	<ul style="list-style-type: none"> • Up Slow from WK156 to WK154
<p>Between Byfleet Jn and Pirbright Jn:</p> <ul style="list-style-type: none"> • Down Slow from WK157 to WK193 • Down Fast from WK359 to WK395 • Up Slow from WK190 to WK158 • Up Fast from WK392 to WK360 • Down Guildford from Woking Jn (2234 pts) to WK803 • Up Guildford from WK802 to Woking Jn (2236 switch diamond) • Up Alton from WK956 to Pirbright Jn (2260 pts) • Down Alton from Pirbright Jn (2261 pts) to WK951 • Down Ash Branch from WK421 to Aldershot North Jn (2311 pts) • Up Ash Branch from Aldershot North Jn (2310 	<ul style="list-style-type: none"> • East End Siding (Woking) • Woking station platform limits (all lines) • Up Bay from Woking East Jn (2208 pts) to Buffer Stops • Down Bay from 2225B pts to Buffer Stops • Down Yard Shunting Siding (Woking) • Down Yard Reception Road (Woking) • Up Yard Hurdles (Woking) • Up Yard Neck (Woking) • Up Yard Reception Road No. 1 (Woking) • Up Yard Reception Road No. 2 (Woking)

<p>Between Pirbright Jn and Basingstoke:</p> <ul style="list-style-type: none"> • Down Slow from WK193 to BE165 • Down Fast from WK395 to BE411 • Up Slow from BE172 to WK190 • Up Fast from BE420 to WK392 • Down Reading from BE547 to Basingstoke (2521 pts) • Up Reading from Basingstoke (2520 pts) to BE536 	<ul style="list-style-type: none"> • Long Valley Sidings • Barton Mill Carriage Sidings • Up Siding East (Basingstoke) • Basingstoke station platform limits (all lines) • Up Bay from 2616A pts to Buffer Stops • Up Branch Siding (Basingstoke) • Up Neck (Basingstoke) • Up Siding No. 1 (Basingstoke) • No. 6 Siding (Basingstoke)
<p>Between Basingstoke and Worting Jn:</p> <ul style="list-style-type: none"> • Down Slow from BE165 to BE183 • Down Fast from BE411 to BE431 • Up Slow from BE182 to BE172 • Up Fast from BE430 to BE420 	<ul style="list-style-type: none"> • Down Siding
<p>Between Worting Jn and Shawford Down Jn:</p> <ul style="list-style-type: none"> • Down Exeter from BE431 to BE439 • Up Exeter from BE444 to BE430 • Down Southampton/Down Main BE183 to Shawford Down Jn (8024 pts) • Up Main/Up Southampton EH150 to BE182 • Down Passenger Loop (Wallers Ash) (incl.) • Up Passenger Loop (Wallers Ash) (incl.) 	<ul style="list-style-type: none"> • Down Sidings (Micheldever) • Down Siding (Winchester) • Baltic Siding
<p>Between Shawford Down Jn and Eastleigh East Jn:</p> <ul style="list-style-type: none"> • Down Slow from Shawford Down Jn to E26 • Down Fast from Shawford Down Jn to E28 • Up Slow from E105 to Shawford Up Jn (8025 pts) • Up Fast/Up Main E103 from to EH150 	<ul style="list-style-type: none"> • Eastleigh East Yard
<p>Between Eastleigh East Jn and St Denys:</p> <ul style="list-style-type: none"> • Down Slow from E26 to Eastleigh West Jn (464 pts) • Down Main from E28 to St Denys (490 pts) • Up Slow from Stonham Jn (466 pts) to E105 • Up Main from St Denys (492 pts) to E103 • Portsmouth Single from Eastleigh West Jn (464 pts) to Eastleigh South Jn (476 pts) • Down Salisbury from Eastleigh East Jn (442 pts) to E97 • Up Salisbury from E30 to Eastleigh East Jn (437 pts) 	<ul style="list-style-type: none"> • Eastleigh station platform limits (all lines) • Down Portsmouth Loop • Down Carriage Sidings (Eastleigh) (all roads) • Eastleigh Airport Sidings (Eastleigh Works)
<p>Between St Denys and Northam Jn:</p> <ul style="list-style-type: none"> • Down Slow from St Denys (491B pts) to Northam Jn (512A pts) • Down Fast from St Denys (490 pts) to Northam Jn (512B pts) • Up Slow from Northam Jn (513 pts) to St Denys (492 pts) • Up Fast from Northam Jn (513 pts) to St Denys (492 pts) 	<ul style="list-style-type: none"> • Southampton Ctrl station platform limits (all lines) • Southampton Up Yard • Down Slow from E707 % Mount Pleasant Level Crossing • Down Fast from E709 % Mount Pleasant Level Crossing • Up Slow from E710 % Mount Pleasant Level Crossing • Up Fast from E708 % Mount Pleasant Level Crossing • Northam Train Care Depot

<p>Between Northam Jn and Redbridge Jn:</p> <ul style="list-style-type: none"> • Down Main (Reversible) from Northam Jn (512B pts) to Southampton Ctrl (515 pts) • Up Main (Reversible) from Southampton Ctrl (516B pts) to Northam Jn (513 pts) • Eastern Docks Single from Northam Jn (512A pts) to E841 • Down Slow from Southampton Ctrl (515 pts) to • Down Fast from Southampton Ctrl (515 pts) to Millbrook (545A pts) • Up Slow from Millbrook (547 pts) to Southampton Ctrl (516B pts) • Up Fast from Millbrook Church Lane (549A pts) to Southampton Ctrl (516B pts) • Up Docks Branch from Millbrook (538 pts) to E851 • Down Docks Branch from E852 to Millbrook (546 pts) • Down Main from Millbrook Church Lane (549B pts) to Redbridge Jn (567 pts) • Up Main from Redbridge Jn (569 pts) Millbrook Church Lane (549A pts) 	<ul style="list-style-type: none"> • Bay Siding West (Southampton Ctrl) • Bay Siding East (Southampton Ctrl) • Down Loop (Southampton Ctrl) • Down Loop Extension (Southampton Ctrl) • Up Goods Loop (Southampton Ctrl) • Maritime Back Road • Down Bay Siding (Southampton Ctrl) • Redbridge Goods from Millbrook (546 pts) to Redbridge Jn (566A pts) • Depot Reception No. 1 (Redbridge) • Depot Reception No. 2 (Redbridge) • Loading Dock Siding (Redbridge)
<p>Between Redbridge Jn and New Milton:</p> <ul style="list-style-type: none"> • Down Main from Redbridge Jn (567 pts) to BC131 • Up Main from BC130 to Redbridge Jn (569 pts) • Down Passenger Loop from BH13 to BH17 	<ul style="list-style-type: none"> • Down Main from E787 % Totton Level Crossing • Up Main from E784 % Totton Level Crossing • Down Fawley Up from Fawley Branch Jn (573A pts) to Totton Jn West (576A pts) • Shunting Neck (Fawley Branch Jn) • Goods Loop (Fawley Branch Jn) • Coal Yard (Fawley Branch Jn) • Down Main from BH3 % Brockenhurst Level Crossing • Up Main from BH6 % Brockenhurst Level Crossing • Brockenhurst station limits (all lines) • Engineer's Siding (Brockenhurst) • Down Siding (Brockenhurst) • Up Siding (Brockenhurst)
<p>Between New Milton and Parkstone</p> <ul style="list-style-type: none"> • No permissions 	<ul style="list-style-type: none"> • Down Main from BC131 (Distant) to PW5183 (axle counter detection in use) • Up Main from BC178 to BC130 (axle counter detection in use) • Up Bay (Bournemouth) • Up Siding (Bournemouth) • Middle Siding 1 (Bournemouth) (axle counter detection in use) • Middle Siding 2 (Bournemouth) (axle counter detection in use) • Outwards Road (Bournemouth Maintenance Depot) (incl.) • Inwards Road (Bournemouth Maintenance Depot) (incl.)
<p>Between Parkstone and Moreton: No permissions</p>	<ul style="list-style-type: none"> • Down Main from PW5183 to DR163R (axle counter detection in use) • Up Main from PW5270 (Distant) to BC178 (axle counter detection in use) • Reception Road (Poole) (incl.) • Shunting Neck (Poole) (incl.) • Engine Siding (Poole) (incl.) • Up Sidings (Poole) (incl.) • Hamworthy Goods (incl.) • Wareham Down Sidings (incl.) • Swanage Single (incl.) • Furzebrook Sidings (incl.) • Winfrith Siding (incl.)
<p>Between Moreton and Dorchester Jn:</p> <ul style="list-style-type: none"> • Down Main/Moreton Single from DR163R to DR167 • Up Main/Up Main Reversible/Moreton Single from DR182 to PW5270 (Distant) 	<ul style="list-style-type: none"> • Down Sidings (Dorchester South)
<p>Between Dorchester Jn and Weymouth:</p> <ul style="list-style-type: none"> • Down Main from DR167 to Weymouth • Up Main from Weymouth to DR182 	<ul style="list-style-type: none"> • Jersey Sidings • Jubilee Siding • Weymouth station platform limits (all lines)

SW110 Woking Junction to Portsmouth Harbour	
Between Woking Jn and Worplesdon: <ul style="list-style-type: none"> • Down Guildford from Woking Jn (2234 pts) to GD809 • Up Guildford from WK808 to Woking Jn (2236 switch diamond) 	<ul style="list-style-type: none"> • No restrictions
Between Worplesdon and Shalford Jn: <ul style="list-style-type: none"> • Down Main from GD809 to Shalford Jn (3141 pts) • Up Main from Shalford Jn (3142 pts) to WK808 • Down Ash from GD931 to GD939 • Up Ash from GD940 to Guildford (3110B pts) 	<ul style="list-style-type: none"> • Up Cobham from GD748 to GD744 • Down Cobham from GD745 to Guildford (3114B pts) • Guildford station platform limits (all lines) • Guildford North Box Sidings • Carriage Sidings (Guildford) • Dock Siding (Guildford)
Between Shalford Jn and Haslemere: <ul style="list-style-type: none"> • Down Main from Shalford Jn (3141 diamond) to BEP2837 • Up Main from GD834 to Shalford Jn (3141 pts) 	<ul style="list-style-type: none"> • Down Main from BEP2837 to BEP2877 (axle counter detection in use) • Up Main from BEP2872 to GD834 (axle counter detection in use)
Between Haslemere and Petersfield: <ul style="list-style-type: none"> • No permissions 	<ul style="list-style-type: none"> • Up Haslemere Loop (incl.) (axle counter detection in use) • Haslemere Up Siding No. 1 • Haslemere Up Siding No. 3 • Down Main from BEP2877 to HT1 (axle counter detection in use) • Up Main from BEP2922 to BEP2872 (axle counter detection in use)
Between Petersfield and Havant Jn <ul style="list-style-type: none"> • No permissions 	<ul style="list-style-type: none"> • Down Main from HT1 to Havant Jn (2600 diamond) (axle counter detection in use) • Up Main from Havant Jn (2601 pts) to BEP2922 (axle counter detection in use)
Between Havant Jn and Blackfriars Jn: No permissions	<ul style="list-style-type: none"> • Down Main from Havant Jn (2600 diamond) to Blackfriars Jn (2704 pts) (axle counter detection in use) • Up Main from Blackfriars Jn (2705 pts) to Havant Jn (2601 pts) (axle counter detection in use) • Shunting Siding (Fratton) (incl.) • No. 1 Reception Road (Fratton) (incl.) • No. 2 Reception Road (Fratton) (incl.) • Fuelling Siding (Fratton) (incl.) • Old Yard CET No. 4 (Fratton) (incl.) • Old Yard CET No. 5 (Fratton) (incl.) • Freight Siding (Fratton) (incl.)

<p>Between Fratton Jn and Portsmouth Harbour: No permissions</p>	<ul style="list-style-type: none"> • Down Main from Fratton Jn (2704 pts) to Portsmouth Harbour Buffer Stops (axle counter detection in use) • Up Main from Portsmouth Harbour Buffer Stops to Fratton Jn (2705 pts) (axle counter detection in use) • Up & Down Fratton from Fratton Jn (2704 pts) to Blackfriars Jn (2717 pts) (axle counter detection in use) • Down Spur from Farlington Jn (2360 pts) to Cosham Jn (2650 diamond) (axle counter detection in use) • Up Spur from Cosham Jn (2650 pts) to Farlington Jn (2627 pts) (axle counter detection in use) • Down Branch from Cosham Jn (2650 pts) to Portcreek Jn (2640 pts) (axle counter detection in use) • Up Branch from Portcreek Jn (2641 pts) to Cosham Jn (2651 pts) • Back Road (incl.) • Down Carriage Sidings (incl.) • Portsmouth & Southsea (Low Level) (incl.) (axle counter detection in use)
SW115 Worting Junction to Exeter St David's	
<p>Between Worting Jn and Grateley:</p> <ul style="list-style-type: none"> • Down Exeter from BE439 to BE475 • Up Exeter from BE478 to BE444 	<ul style="list-style-type: none"> • Ludgershall Branch Siding (incl.) • Ludgershall Loop Siding (incl.) • Up Siding 1 (incl.) • Up Siding 2 (incl.) • OTM Siding (incl.)
<p>Between Grateley and Salisbury Tunnel Jn:</p> <ul style="list-style-type: none"> • Down Main from BE475 to Salisbury Tunnel Jn (106 pts) • Up Main from Salisbury Tunnel Jn (105 pts) to BE478 • Laverstock Loop (incl.) 	<ul style="list-style-type: none"> • No restrictions
<p>Between Salisbury Tunnel Jn and Wilton Jn:</p> <ul style="list-style-type: none"> • Down Main from Salisbury Tunnel Jn (106 pts) to Wilton Jn (141A pts) • Up Main from Wilton Jn (142 pts) to Salisbury Tunnel Jn (105 pts) 	<ul style="list-style-type: none"> • Down Main from SY43 to SY53 • Up Main from SY52 to SY40 • East Bay (incl.) • Down Main Reversible (incl.) • Platform Loop (incl.) • East Carriage Holding Sidings (incl.) • Down Siding No. 1 (incl.) • Down Siding No. 2 (incl.) • West Bay (incl.) • Holding Sidings (incl.) • West Carriage Sidings (incl.) • Salisbury Traincare Depot (incl.) • Reception Line (incl.) • Through Siding (incl.) • Up Siding (incl.) • Shunting Neck (Incl.) • Sorting Sidings (incl.)

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Between Wilton Jn and Wilton South: <ul style="list-style-type: none"> Down Exeter from Wilton Jn (141A pts) to SY57 Up Exeter from SY58 to Wilton Jn (142 pts) 	<ul style="list-style-type: none"> No restrictions
Between Wilton South and Gillingham West Jn: <ul style="list-style-type: none"> No permissions 	<ul style="list-style-type: none"> Exeter Main from SY57 to SE4677
Between Gillingham West Jn and Templecombe: <ul style="list-style-type: none"> Gillingham Down Loop from SE4677 to Gillingham East Jn (2804A pts) Up Exeter from Gillingham East Jn (2804B pts) to Gillingham West Jn (2800 pts) Exeter Main from SE4689 to SE4691 	<ul style="list-style-type: none"> Gillingham Up Siding Exeter Main from Gillingham East Jn (2804B pts) to SE4689 (axle counter detection in use)
Between Templecombe and Yeovil Jn: <ul style="list-style-type: none"> No permissions 	<ul style="list-style-type: none"> All lines (axle counter detection in use)
Between Yeovil Jn and Axminster East Jn: <ul style="list-style-type: none"> Down Exeter from SE4678 Up Exeter from Chard Jn (2824 pts) to Chard Jn (2820 pts) Chard Down Loop from Chard Jn (2824 pts) to SE4773 	<ul style="list-style-type: none"> Down Exeter from SE4711 to Chard Jn (2820 pts) Up Exeter from Chard Jn (2820 pts) to SE4710 Down Main Siding (incl.) Down Siding No. 1 (incl.) Down Siding No. 2 (incl.) Down Siding (Chard Jn) (incl.) Exeter Main from Chard Jn (2824 pts) to Axminster East Jn (2825 pts) (axle counter detection in use)
Between Axminster East Jn and Pinhoe: <ul style="list-style-type: none"> Down Exeter from Axminster East Jn (2825 pts) to Axminster west Jn (2826 pts) Up Exeter from Axminster West Jn (2826 pts) to Axminster East Jn (2825 pts) Down Exeter from SE4803 to Honiton (2834 pts) Up Exeter from SE4794 to Honiton (2830 pts) 	<ul style="list-style-type: none"> Exeter Main from Axminster West Jn (2826 pts) to SE4803 (axle counter detection in use) Exeter Main from Honiton (2834 pts) to EJ1R (axle counter detection in use) Down Exeter from SE4789 % Axminster Level Crossing Up Exeter from SE4784 % Axminster Level Crossing
SW120 Pirbright Junction to Alton	
Between Pirbright Jn and Ash Vale Jn: <ul style="list-style-type: none"> Down Alton from Pirbright Jn (2261 pts) and Ash Vale Jn (2306 pts) Up Alton from Ash Vale Jn (2307 pts) to Pirbright Jn (2260 pts) 	<ul style="list-style-type: none"> No restrictions
Between Ash Vale Jn and Farnham: <ul style="list-style-type: none"> Down Alton from Ash Vale Jn (2306pts) to WK445 Up Alton from WK438 to Ash Vale Jn (2307 pts) 	<ul style="list-style-type: none"> Farnham Traincare Depot (all lines) Down Alton WK441 to WK433 Up Alton WK438 to WK432
Between Farnham and Alton: <ul style="list-style-type: none"> Alton Single from WK445 to Alton Down Bentley Loop (incl.) 	<ul style="list-style-type: none"> Holybourne Oil Sidings Alton platform 1 (incl.) Alton platform 2 (incl.)
SW125 Southcote Junction to Basingstoke:	
Between Southcote Jn and Basingstoke: <ul style="list-style-type: none"> Down Reading from Southcote Jn (8814 pts) to Basingstoke (2521 pts) Up Reading from Basingstoke (2520 pts) to Southcote Jn (8817 pts) 	<ul style="list-style-type: none"> Down Reading from BE525 to BE531 (Bramley Level Crossing) Up Reading from BE528 to BE522 (Bramley Level Crossing)

SW185 Motspur Park to Chessington South	
Between Motspur Park Jn and Chessington South:	
<ul style="list-style-type: none"> Down Chessington from Motspur Park Jn (830 pts) to W421 Up Chessington from W418 to Motspur Park Jn (831 pts) 	<ul style="list-style-type: none"> Chessington South station platform limits Up Sidings (Chessington South) Coal/Stone Depot (Tolworth)
SW190 New Malden to Shepperton	
Between New Malden Jn and Shacklegate Jn:	
<ul style="list-style-type: none"> No permissions 	<ul style="list-style-type: none"> Down Kingston from BEF2419 to Shacklegate Jn (4120 pts) (axle counter detection in use) Up Kingston from Shacklegate Jn (4121 pts) to W212 (axle counter detection in use)
Between Shacklegate Jn and Shepperton:	
<ul style="list-style-type: none"> No permissions 	<ul style="list-style-type: none"> Down Shepperton from Shacklegate Jn (4120 pts) to Shepperton Buffer Stops (axle counter detection in use) Up Shepperton from BEF2544 to Shacklegate Jn (4121 pts) (axle counter detection in use)
SW195 Hampton Court Junction to Hampton Court	
Between Hampton Court Jn and Hampton Court:	
<ul style="list-style-type: none"> Down Hampton Court from WK527 to WK531 Up Hampton Court from WK522 to Hampton Court Jn (2114 pts) 	<ul style="list-style-type: none"> Down Hampton Court from WK531 to Hampton Court Buffer Stops Up Hampton Court from Hampton Court Buffer Stops to WK522
SW200 Hampton Court Junction to Guildford	
Between Hampton Court Jn and Effingham Jn:	
<ul style="list-style-type: none"> Down Cobham from Hampton Court Jn (2117 pts) and Effingham Jn (3150 pts) Up Cobham from Effingham Jn (3151 pts) to Hampton Court Jn (2119 pts) 	<ul style="list-style-type: none"> Down Cobham from WK709 % Cooks Level Crossing Up Cobham from WK712 % Cooks Level Crossing
Between Effingham Jn and Guildford:	
<ul style="list-style-type: none"> Down Cobham from Effingham Jn (3150 pts) to GD745 Up Cobham from GD744 to Effingham Jn (3151 pts) 	<ul style="list-style-type: none"> Effingham Junction station platform limits (all lines) Down Sidings (Effingham Junction)
SW205 Leatherhead to Effingham Junction	
Between Leatherhead Jn and Effingham Jn:	
<ul style="list-style-type: none"> Down Bookham from Leatherhead Jn (860 pts) to Effingham Jn (3150 pts) Up Bookham from Effingham Jn (3151 pts) to Leatherhead Jn (861 pts) 	<ul style="list-style-type: none"> No restrictions
SW210 Clapham Junction to Reading	
Between Clapham Jn and Barnes Jn:	
<ul style="list-style-type: none"> Down Windsor Slow from W307 to Barnes Jn (2588 pts) Down Windsor Fast from W309 to Barnes Jn (2588 pts) Up Windsor Slow from Barnes Jn (2587 points) to W302 Up Windsor Fast from Barnes Jn (2587 pts) to W300 	<ul style="list-style-type: none"> No restrictions

<p>Between Barnes Jn and Richmond:</p> <ul style="list-style-type: none"> No permissions 	<ul style="list-style-type: none"> Down Richmond from Barnes Jn (2588 pts) to BEF2103 Up Richmond from W532 to Barnes Jn (2587pts)
<p>Between Richmond and Twickenham Jn:</p> <ul style="list-style-type: none"> No permissions 	<ul style="list-style-type: none"> Down Twickenham from BEF2103 to Twickenham Jn (4324 pts) (axle counter detection in use) Up Twickenham from BEF2134 to W532 (axle counter detection in use) Twickenham Up Loop from BEF2456 to BEF2112 (axle counter detection in use)
<p>Between Twickenham Jn and Staines Jn:</p> <ul style="list-style-type: none"> No permissions 	<ul style="list-style-type: none"> Down Twickenham from BEF2133 to Staines Jn (4353 pts) (axle counter detection in use) Up Twickenham from Staines Jn (4354 pts) to BEF2134 (axle counter detection in use)
<p>Between Staines Jn and Bracknell:</p> <ul style="list-style-type: none"> No permissions 	<ul style="list-style-type: none"> Down Twickenham from Staines Jn (4353 pts) to BEF2253 (axle counter detection in use) Up Twickenham from BEF2252 to Staines Jn (4354 pts) (axle counter detection in use)
<p>Between Bracknell and Wokingham Jn:</p> <ul style="list-style-type: none"> No permissions 	<ul style="list-style-type: none"> Down Twickenham from BEF2253 to Wokingham Jn (4389 pts) (axle counter detection in use) Up Twickenham from Wokingham Jn (4390 pts) to BEF2252 (axle counter detection in use)
<p>Between Wokingham Jn and Earley:</p> <ul style="list-style-type: none"> No permissions 	<ul style="list-style-type: none"> Down Southern from Wokingham Jn (4389 pts) to BEF2283 (axle counter detection in use) Up Southern from BEF 2280 to Wokingham Jn (4390 pts)(axle counter detection in use)
<p>SW225 Point Pleasant Junction to Wimbledon</p>	
<p>Between Point Pleasant Jn and Wimbledon</p> <ul style="list-style-type: none"> Putney Reversible from Point Pleasant Jn (693A pts) to East Putney (695A pts) Down Putney from East Putney (695A pts) to W353 Up Putney from East Putney (698 pts) to W352 	<ul style="list-style-type: none"> Down Putney from East Putney (697 pts) to Wimbledon (1-4) Buffer Stops (4th rail electrification in use) Up Putney from Wimbledon (1-4) Buffer Stops to East Putney (698 pts) (4th rail electrification in use) Westbound District Line to East Putney (697 pts) (4th rail electrification in use) Eastbound District Line from East Putney (698 pts) (4th rail electrification in use)

SW230 Barnes to Feltham Jn	
<p>Between Barnes Jn and Feltham Jn:</p> <ul style="list-style-type: none"> Down Hounslow % Vine Road (Hounslow) Level Crossing to BEF2333 Up Hounslow % Grove Park Level Crossing to W550 Up Hounslow % Vine Road (Hounslow) Level Crossing to Barnes Jn (2585 pts) 	<ul style="list-style-type: none"> Down Hounslow from BEF2333 to Feltham Jn (4331 pts) (axle counter detection in use) Up Hounslow from Feltham Jn (4332 pts) % Grove Park Level Crossing (axle counter detection in use) Up Hounslow from W550 % Vine Road (Hounslow) Level Crossing Down Kew Spur from Kew East Jn (206 pts) to New Kew Jn (4071A pts) (axle counter detection in use) Up Kew Spur from New Kew Jn (4075 pts) to Kew East Jn (207 pts) (axle counter detection in use) Down Kew Branch from Kew East Jn (206 pts) to Old Kew Jn (4076 pts) (axle counter detection in use) Up Kew Branch from Old Kew Jn (4079pts) to Kew East Jn (207 pts) (axle counter detection in use) Down Hounslow Spur (incl.) (axle counter detection in use) Up Hounslow Spur (incl.) (axle counter detection in use)
SW245 Twickenham to Shacklegate Junction	
<p>Between Twickenham Jn and Shacklegate Jn:</p> <ul style="list-style-type: none"> No permissions 	<ul style="list-style-type: none"> Down Strawberry Hill from Twickenham Jn (4324 pts) to Shacklegate Jn (4121 pts) (axle counter detection in use) Up Strawberry Hill from Shacklegate Jn (4120 pts) to BEF2456 (axle counter detection in use)
SW250 Staines to Windsor & Eton Riverside	
<p>Between Staines Jn and Windsor & Eton Riverside:</p> <ul style="list-style-type: none"> No permissions 	<ul style="list-style-type: none"> Down Windsor from Staines Jn (4353 pts) to Windsor & Eton Riverside Buffer Stops (axle counter detection in use) Up Windsor from Windsor & Eton Riverside Buffer Stops to Staines Jn (4354 pts) (axle counter detection in use)
SW255 Virginia Water to Weybridge	
<p>Between Virginia Water Jn and Chertsey:</p> <ul style="list-style-type: none"> No permissions 	<ul style="list-style-type: none"> Down Chertsey from Virginia Water Jn (4363 pts) to WK909 (axle counter detection in use) Up Chertsey from BEF2718 to Virginia Water Jn (4364 pts) (axle counter detection in use)
<p>Between Chertsey and Addlestone Jn:</p> <ul style="list-style-type: none"> Down Chertsey from WK909 to WK905 Up Chertsey from Addlestone Jn (2141 pts) to WK906 	<ul style="list-style-type: none"> Down Chertsey from WK905 % Addlestone Level Crossing Up Chertsey from WK906 to BEF2718
<p>Between Addlestone Jn and Weybridge:</p> <ul style="list-style-type: none"> Down Chertsey % Addlestone Level Crossing to Byfleet Jn (2132 pts) Up Chertsey from Byfleet Jn (2132 pts) to Addlestone Jn (2140B diamond) 	<ul style="list-style-type: none"> Up Bay (Weybridge) from Byfleet Jn (2132 pts) to Buffer Stops (Weybridge)

SW260 Ascot to Ash Vale	
Between Ascot and Frimley: <ul style="list-style-type: none"> No permissions 	<ul style="list-style-type: none"> Down Frimley from Ascot Jn (4374 pts) to WK407 (axle counter detection in use) Up Frimley from BEF2822 to Ascot Jn (4375 pts) (axle counter detection in use) Down Ascot Loop (incl.) (axle counter detection in use)
Between Frimley and Ash Vale Jn: <ul style="list-style-type: none"> No permissions 	<ul style="list-style-type: none"> Down Frimley from WK407 to Frimley Jn (2301 pts) Up Frimley from Frimley Jn (2301 pts) to BEF2822 Ash Vale Single (incl.) Down Ash Vale Branch from WK413 to Ash Vale Jn (2306 pts) Up Ash Vale Branch (2307 pts)
SW265 Guildford to Wokingham	
Between Guildford and Ash: <ul style="list-style-type: none"> Down Ash from GD939 to GD951 Up Ash from GD954 to GD940 	<ul style="list-style-type: none"> Guildford station platform limits Down Ash from GD951 % Ash Level Crossing Up Ash from GD954 % Ash Level Crossing
Between Ash and Aldershot South Jn: <ul style="list-style-type: none"> Down Ash % Ash Level Crossing to Aldershot South Jn (3162 pts) Up Ash from Aldershot South Jn (3161 pts) to GD954 Down Ash Branch from Aldershot South Jn (3162 pts) to WK421 Up Ash Branch from GD960 to Aldershot South Jn (3161 pts) 	<ul style="list-style-type: none"> No restrictions
Between Aldershot South Jn and North Camp: <ul style="list-style-type: none"> Down Blackwater from Aldershot South Jn (3162 pts) to GD963 Up Blackwater % North Camp Level Crossing to Aldershot South Jn (3162 pts) 	<ul style="list-style-type: none"> Down Blackwater from GD963 % North Camp Level Crossing
Between North Camp and Blackwater: <ul style="list-style-type: none"> Down Blackwater % North Camp Level Crossing to GD967 Up Blackwater % Farnborough North Level Crossing to GD966 	<ul style="list-style-type: none"> Down Blackwater from GD967 to BEF2973 Up Blackwater from BEF2978 % Farnborough North Level Crossing
Between Blackwater and Wokingham Jn: <ul style="list-style-type: none"> No permissions 	<ul style="list-style-type: none"> Down Blackwater from BEF2973 to Wokingham Jn (4389 pts) (axle counter detection in use) Up Blackwater from Wokingham Jn (4390 pts) to BEF2978 (axle counter detection in use)
SW300 Gomshall to Shalford Junction	
Between Gomshall and Shalford Jn: <ul style="list-style-type: none"> Down Redhill from GD911 to Shalford Jn (3141 pts) Up Redhill from Shalford Jn (3140 pts) to GD912 	<ul style="list-style-type: none"> Down Redhill from GD901 to GD911 Up Redhill from GD912 to GD908

Wessex Route GI - Dated: 21/11/2025

Additional Protection Using a Remote Disconnection Device (RDD)

Section 13.2, Clause 13.2.4

ADDITIONAL PROTECTION BY REMOTE DISCONNECTION DEVICE (RDD)

RDD is installed into the signalling system and is capable of being remotely switched on by the authorised user.

Operating instructions are provided for the authorised user.

If the device becomes defective during the time additional protection is provided, the instructions in Rule Book, Module TS11 / 4 – Releasing signalling controls must be carried out.

RDD may be used at the following locations:

<u>RDD ID</u>	<u>Controlling Signal Box</u>	<u>Location</u>	<u>Disconnects</u>	<u>Line</u>
123073-0423	Wimbledon	London Waterloo	<u>Track Circuits</u> MX	Up Main Relief
			<u>WN/WO</u>	Down Windsor
123073-0428	Wimbledon	London Waterloo	<u>Track Circuits</u> DH	Beyond Platform 11 Beyond Platforms 11, 12, 13 & 14
			<u>WH</u>	Down Windsor
			<u>VH</u>	Beyond Platforms 11, 12, 13 & 14
123073-0425	Wimbledon	Clapham Junction	<u>Track Circuits</u> DQ	Down Ludgate
			<u>TH/TN</u>	Up Windsor Slow
			<u>TW</u>	Platform 2
			<u>ZE</u>	Up Ludgate
123073-0426	Wimbledon	Clapham Junction - <i>Latchmere Curves</i>	<u>Track Circuits</u> BY	Down Latchmere Curve
			ZA	Up Latchmere Curve

South East (Kent/Sussex/Wessex) Territory GI Dated: 06/12/2025

Rule Book Module TW1 - Preparation and movement of trains : General

Section 2 - Classification trains

Speed of freight trains

Class 6, 7 and 8 freight trains (excluding MPV (Multi-Purpose Vehicle) OTM (On Track Machine) parcels trains and those listed in note (b) below)

These trains are limited to the maximum speeds shown below, subject to any lower limit imposed by the Rule Book Module SP, Section 2.2 'Speed restrictions' or specified for individual vehicles or local permanent and temporary speed restrictions:-

<u>Maximum permissible speed of line as shown in Table A diagrams</u>	<u>Maximum permissible speed of Class 6, 7 and 8 freight trains (excluding MPV's, OTM's & parcels trains)</u>
90	60
85	55
80	50
75	50
70	45
65	40
60	40
55	35
50	30
45	30
40	25
35	20
30	30

NOTE:- No reduction in speed is required:-

- a) where the maximum permissible speed of the line is less than 30 mph, or
- b) where EWS International Traffic, Class 6 & 7, are authorised by the Person in charge, at either Dollands Moor or Wembley, to run at full line speed, or maximum train speed, whichever is lower, on CTRL 1, 2 & 3 routes, subject to the following restrictions:

CTRL1 Wembley-Latchmere Junction-Nunhead/Herne Hill-Maidstone East-Dollands Moor

Between the (Midland) London North Western Territory border on the cross London Lines to Shortlands Junction via the Chatham Main lines (Penge Tunnel) and the Catford Loop lines a maximum speed of 40 mph is applied to in both the up & down directions over this section and all lower speed restrictions to apply as normal.

CTRL 2 Wembley-Latchmere Junction-Orpington/Sevenoaks or Swanley/Otford/Sevenoaks-Dollands Moor

Between the (Midland) London North Western Territory border on the cross London Lines to Shortlands Junction via the Chatham Main lines (Penge Tunnel) and the Catford Loop lines a maximum speed of 40 mph is applied to in both the up & down directions over this section and all lower speed restrictions to apply as normal.

CTRL 3 Wembley-Latchmere Junction-Redhill-Tonbridge-Dollands Moor

Between the (Midland) London North Western Territory border on the cross London Lines to Purley Oakes Station via Balham & Selhurst a maximum speed of 40 mph is applied in both the up & down directions over this section and all lower speed restrictions to apply as normal.

Between the (Midland) London North Western Territory border on the cross London Lines to Purley Oakes Station via the alternative route from Balham via Crystal Palace and Norwood Junction a maximum speed of 25 mph is applied in both the up & down directions on the section of line between Crystal Palace and West Norwood and all lower speed restrictions to apply as normal.

- c) on the following goods lines:-
Hoo Junction - Grain
Totton – Fawley
- d) Freight trains are permitted to operate at full maximum permissible speed over the line between Southcote Junction and Basingstoke.

South East (Kent, Sussex, Wessex) Territory GI - Dated: 30/11/24

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LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO130	035	Charing Cross / Cannon Street to Dover Priory / Eurotunnel Interface (via Tonbridge)	XTD HSE	Kent / Sussex	06/10/2024
Location		Mileage M Ch	Running lines & speed restrictions		Signalling & Remarks
		76 36 *	<p style="text-align: center;">2 1 To/From Dover Priory SO160 seq 6</p>		TCB RA8 Folkestone East SB (YE) DC: Canterbury
					1 Down Main 2 Up Main

Kent / Sussex / Wessex Routes Sectional Appendix Module KSW2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO140	001	Swanley to Ashford	SBJ	Kent / Sussex	14/11/2025
Location		Mileage M Ch	Running lines & speed restrictions		Signalling & Remarks
(Swanley Jn)		(17 46)	<p>MAXIMUM PERMISSIBLE SPEED BETWEEN SWANLEY AND ASHFORD - 80 MPH</p> <p>To/From Swanley SO110 seq 13</p>		<p>TCB Victoria SB (VS) RA8 DC: Paddock Wood</p> <p>GSM-R </p> <p>Authorised EWS Class 6 & 7 International Traffic are exempt from the 2/3rds rule over this route.</p> <p>CTLP-KNT-Kent-43-SBJ-17m65ch</p>
Wested Lane TP Hut		18 41			
Eynsford Tunnel (828 yards)		18 67 to 19 24			
Eynsford Substation		19 52			
Hulberry FP (R/G-X)		19 68			
EYNSFORD		20 32			
Lullingstone Substation		21 33			
Willmotts F/P Crossing		22 33			
SHOREHAM		22 52			
Greenhill Substation		23 15			<p>1 Up Maidstone 2 Down Maidstone</p>

Kent / Sussex / Wessex Routes Sectional Appendix Module KSW2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO160	003	Faversham to Dover Priory	FDM	Kent / Sussex	19/03/2016
Location		Mileage M Ch	Running lines & speed restrictions		Signalling & Remarks
Little Barton TP Hut		62 67 * 62 76 * 62 79 * 64 44 *			GSM-R TCB East Kent Signalling Centre (EK) RA8 DC: Canterbury Axle counter area
BEKESBOURNE		64 58			
Bekesbourne Substation		64 63			
Brambling TP Hut		66 39			
ADISHAM		67 60			
Adisham Substation		68 16			
AYLESHAM		68 66			
		69 40 *			
SNOWDOWN		69 60			
Snowdown TP Hut		69 67			
					1 Up Chatham 2 Down Chatham

Kent / Sussex / Wessex Routes Sectional Appendix Module KSW2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SO160	004	Faversham to Dover Priory	FDM	Kent / Sussex	01/11/2025
Location	Mileage M Ch	Running lines & speed restrictions	Signalling & Remarks		
			<p>TCB East Kent Signalling Centre (EK) RA8 DC: Canterbury</p> <p>GSM-R </p> <p>Axle counter area</p> <p>Siding length 12 SLU's Short term NC expires 01/11/28</p> <p>1 Up Chatham 2 Down Chatham</p>		
	70 20 *				
Shepherds Well Substation	71 47				
SHEPHERDS WELL	71 60				
Lydden Tunnel (1m 609 yards)	71 66				
	73 15 *				

Kent / Sussex / Wessex Routes Sectional Appendix Module KSW2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated									
SO290	007	North Kent East Jn to Dartford Jn (via Greenwich)	NKL	Kent / Sussex	31/01/2026									
Location		Mileage M Ch	Running lines & speed restrictions		Signalling & Remarks									
Plumstead Portal CCOS		10 53			<table border="1"> <tr> <td>TCB</td> <td>Ashford IECC (NK)</td> <td rowspan="2"></td> </tr> <tr> <td>RA8</td> <td>DC:Lewisham</td> </tr> </table> <p>UNK = Up North Kent DNK = Down North Kent</p> <p>CCOS - Crossrail Central Operating Section lines, Operating details CCOS only : -</p> <table border="1"> <tr> <td>Communications Based Train Control (CBTC)</td> <td>Rail for London Infrastructure RCC (XR)</td> </tr> <tr> <td>RA3</td> <td>AC: ECO RFLI RCC</td> </tr> </table> <p>All CCOS lines use COS Rule Book & ELR = XRS Axle Counter area. HS - CRL Head Shunt SA - CRL Sidings Access Road EB - CRL Eastbound, WB - CRL Westbound</p>	TCB	Ashford IECC (NK)		RA8	DC:Lewisham	Communications Based Train Control (CBTC)	Rail for London Infrastructure RCC (XR)	RA3	AC: ECO RFLI RCC
TCB	Ashford IECC (NK)													
RA8	DC:Lewisham													
Communications Based Train Control (CBTC)	Rail for London Infrastructure RCC (XR)													
RA3	AC: ECO RFLI RCC													
Plumstead Sidings Crossover CCOS		10 67												
ABBEY WOOD		11 43												

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LOR	Seq.	Line of Route Description	ELR	Route	Last Updated		
SO660	001	Purley to Caterham	PAT	Kent / Sussex	20/12/2025		
Location		Mileage M Ch	Running lines & speed restrictions		Signalling & Remarks		
(PURLEY)		(15 13)	<p>MAXIMUM PERMISSIBLE SPEED - 60 MPH To/From Purley SO500 seq 10</p> <p>To/From Reedham SO660 seq 2</p> <p>Up Siding 15</p> <p>1 2</p>		TCB RA8	Three Bridges SB (T) DC: Brighton	GSM-R
Chipstead Line Jn		15 23					
		15 26 *					
Purley Substation		15 28					
KENLEY		16 29					
Bourneview R/G FP Crossing		16 48 *					
Kenley TP Hut		16 61					
		16 67					
		16 74 *					
WHYTELEAFE		17 58					
Whyteleafe LC (CCTV)		17 63					
WHYTELEAFE SOUTH		18 18					
Whyteleafe South Substation		18 18					
Whyteleafe South LC (CCTV)		18 21					
		19 53 *					
CATERHAM		19 70	Platform 1 PP	Platform 2 PP	1 Up Caterham 2 Down Caterham 3 Up Tattenham 4 Down Tattenham		

Kent / Sussex / Wessex Routes Sectional Appendix Module KSW2

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated		
SO660	002	Purley to Tattenham Corner	TAT	Kent / Sussex	18/11/2023		
Location		Mileage M Ch	Running lines & speed restrictions		Signalling & Remarks		
(PURLEY) (Chipstead Line Jn) Purley Substation		(15 13) (15 23) 15 28	<p style="text-align: center;">MAXIMUM PERMISSIBLE SPEED - 60 MPH</p>		TCB RA8	Three Bridges SB (T) DC: Brighton	GSM-R
		15 58 *					
REEDHAM		15 65					
		15 71 *					
		16 33 *					
COULSDON TOWN Smitham TP Hut		16 46 16 66					
		16 75 *					
WOODMANSTERNE		17 40					
					1 Up Tattenham 2 Down Tattenham		

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247	07 December 2024
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Kent / Sussex / Wessex Routes Sectional Appendix Module KSW3

LOR	Seq.	Line of Route Description	ELR			Route	Last Updated	
SW100	002	Waterloo to Clapham Junction	JAT	RDG1	BML1	Wessex	07/02/2026	
Location		Mileage M Ch	Running lines & speed restrictions				Signalling & Remarks	
							<p>TCB Wimbledon SC (W) - Main Line RA4/8 (1) DC: Raynes Park</p> <p>(1) RA4 = Up Main Slow and Down Main Slow from Carlisle Lane Jn 0m 42ch to crossover at 2m 65ch RA8 = All other lines</p> <p>1 Windsor Reversible 2 Up Windsor 3 Down Windsor 4 Up Main Relief 5 Up Main Fast 6 Down Main Fast 7 Up Main Slow 8 Down Main Slow 9 Windsor Relief Line 2 10 Windsor Relief Line 1</p> <p>Wimbledon SC (W) - Windsor Lines</p> <p>A.W.S not provided for emergency and temporary speed restrictions between Waterloo and Clapham Jn</p> <p>RA4 Up Main Slow and Down Main Slow RA8 All other lines</p> <p>9 Windsor Reversible 10 Up Windsor 11 Down Windsor Fast 12 Down Windsor Slow 13 Up Main Fast 14 Down Main Fast 15 Up Main Slow 16 Down Main Slow</p>	
		00 34 *					<p>GSM-R</p>	
International Jn		00 40 *						
West Crossings								
Carlisle Lane Jn		00 42 *						

Kent / Sussex / Wessex Routes Sectional Appendix Module KSW3

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW100	003	Waterloo to Clapham Junction	RDG1 BML1	Wessex	07/02/2026
Location		Mileage M Ch	Running lines & speed restrictions		Signalling & Remarks
VAUXHALL					GSM-R
		01 00 *			TCB Wimbledon SC (W) - Main Line RA4/8 (1) DC: Raynes Park
		01 16 *			(1) RA4 = Up Main Slow and Down Main Slow from Carlisle Lane Jn 0m 42ch to crossover at 2m 65ch RA8 = All other lines
		01 29			1 Windsor Reversible 2 Up Windsor 3 Down Windsor Fast 4 Down Windsor Slow 5 Up Main Fast 6 Down Main Fast 7 Up Main Slow 8 Down Main Slow Wimbledon SC (W) - Windsor Lines
		01 40 *			A.W.S not provided for emergency and temporary speed restrictions between Waterloo and Clapham Jn ① MPV's through Platform 7 (Up Main Slow) are restricted to 5 mph
		01 55 *			
		01 60 *			
		01 61 *			

Kent / Sussex / Wessex Routes Sectional Appendix Module KSW3

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW100	004	Waterloo to Clapham Junction	RDG1 BML1 AHG	Wessex	07/02/2026
Location	Mileage M Ch	Running lines & speed restrictions		Signalling & Remarks	
Nine Elms Jn	01 78			TCB Wimbledon SC (W) - Main Line RA4/8 (1) DC: Raynes Park GSM-R	
	02 30 *			(1) RA4 = Up Main Slow and Down Main Slow from Carlisle Lane Jn 0m 42ch to crossover at 2m 65ch RA8 = All other lines 1 Windsor Reversible 2 Up Windsor 3 Down Windsor Fast 4 Down Windsor Slow 5 Up Main Fast 6 Down Main Fast 7 Up Main Slow 8 Down Main Slow Wimbledon SC (W) - Windsor Lines A.W.S not provided for emergency and temporary speed restrictions between Waterloo and Clapham Jn	
	02 38 *			9 Windsor Reversible 10 Up Windsor 11 Down Windsor 12 Up Main Fast 13 Down Main Fast 14 Up Main Slow 15 Down Main Slow	


Kent / Sussex / Wessex Routes Sectional Appendix Module KSW3

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW100	006	Waterloo to Clapham Junction	RDG1 BML1	Wessex	07/02/2026
Location	Mileage M Ch	Running lines & speed restrictions		Signalling & Remarks	
				<p>GSM-R </p> <p>TCB Wimbledon SC (W) - Main Line RA8 DC: Raynes Park</p> <p>1 Up Windsor Slow 2 Up Windsor Fast 3 Down Windsor Fast 4 Down Windsor Slow 5 Up Main Fast 6 Down Main Fast 7 Up Main Slow 8 Down Main Slow</p> <p>Wimbledon SC (W) - Windsor Lines</p> <p>A.W.S not provided for emergency and temporary speed restrictions between Waterloo and Clapham Jn</p> <p>9 Up Ludgate 10 Down Ludgate 11 Up Windsor Slow 12 Up Windsor Fast 13 Down Windsor Fast 14 Down Windsor Slow 15 Up Main Fast 16 Down Main Fast 17 Up Main Slow 18 Down Main Slow</p>	

Kent / Sussex / Wessex Routes Sectional Appendix Module KSW3

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW100	007	Waterloo to Clapham Junction	RDG1 BML1	Wessex	07/02/2026
Location	Mileage M	Ch	Running lines & speed restrictions	FLL3	Signalling & Remarks
			<p>To/From Latchmere Jn SW220 seq 1</p> <p>To/From Wandsworth Town SW210 seq 1</p> <p>To/From Earlsfield SW105 seq 1</p>		<p>TCB Wimbledon SC (W) - Main Line RA8 DC: Raynes Park</p> <p>GSM-R</p> <p>1 Up Ludgate 2 Down Ludgate 3 Up Windsor Slow 4 Up Windsor Fast 5 Down Windsor Fast 6 Down Windsor Slow 7 Up Main Fast 8 Down Main Fast 9 Up Main Slow 10 Down Main Slow 11 Up Latchmere Curve 12 Down Latchmere Curve</p> <p>A.W.S not provided for emergency and temporary speed restrictions between Waterloo and Clapham Jn</p> <p>Wimbledon SC (W) - Windsor Lines</p> <p>Platform 1 PP</p> <p>T.O.W.S. on Up Main Lines London end of Station (See local instructions section)</p> <p>UPL 819 ft. # Platform 8 prohibited to be used by Passenger trains except when for emergency circumstances only</p>
	03	58	*		
	03	63	*		
	03	65	*		
Clapham Yard GF (CY)	03	67	*		
CLAPHAM JUNCTION	03	70	*		
	03	74	*		
	03	75	*		
	04	00	**		
	04	12	**		
	04	13	**		
	04	25	*		

Kent / Sussex / Wessex Routes Sectional Appendix Module KSW3

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW110	009	Woking Junction to Portsmouth Harbour	WPH1	Wessex	01/11/2025
Location		Mileage M Ch	Running lines & speed restrictions		Signalling & Remarks
			<p style="text-align: center;">UP DN</p> <p style="text-align: center;">↑ ↓</p> <p style="text-align: center;">60 60 70 70</p> <p style="text-align: center;">60 *</p> <p style="text-align: center;">40 70</p> <p style="text-align: center;">* *</p> <p style="text-align: center;">60 60 75 75</p> <p style="text-align: center;">* *</p> <p style="text-align: center;">60 60 85 90</p> <p style="text-align: center;">* *</p> <p style="text-align: center;">50 55 65 70</p> <p style="text-align: center;">* *</p> <p style="text-align: center;">55 55 70 85</p> <p style="text-align: center;">* *</p> <p style="text-align: center;">55 55 85 85</p> <p style="text-align: center;">UP DN</p>		<p>TCB Havant SB (HT)</p> <p>RA8 DC: Eastleigh</p> <p>Axle Counter area</p> <p style="text-align: right;">GSM-R </p>
		59 24 *			
		59 46 *			
		59 71 *			
		60 42			
		62 31			
		62 67 *			
		63 07 *			
		ROWLANDS CASTLE			
		63 18			
		63 45 *			
		64 20 *			

Kent / Sussex / Wessex Routes Sectional Appendix Module KSW3

LOR	Seq.	Line of Route Description	ELR	Route	Last Updated
SW110	010	Woking Junction to Portsmouth Harbour	WPH1 WPH2 TBH2	Wessex	16/08/2021
Location		Mileage M Ch	Running lines & speed restrictions		Signalling & Remarks
WARBLINGTON					<p>TCB RA8</p> <p>Havant SB (HT) DC: Eastleigh</p> <p>GSM-R</p> <p>Mileages shown in brackets () apply between Havant and Brighton.</p> <p>Axle Counter area</p> <p>CTLP-WX-CLT-HSLE 37m, 34ch</p>
	65 60 *	(36 60)			
	(36 66)				
	(36 71)				
	(37 13) *				
	(37 20) *				
	66 10 *				
	Havant Jn	66 17			
	Havant LC (CCTV)	37 25			
	Havant SB (HT)	37 26			
		37 28			
		37 34 *			
HAVANT					
		37 41			
		37 61 *			
		37 63 *			

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7	30 May 2020
8	30 May 2020
9	01 June 2019
10	01 June 2019
11	01 June 2019
12	01 June 2019
13	02 March 2024
14	02 March 2024
15	30 May 2020
16	30 May 2020
16A	04 December 2021
16B	04 December 2021
16C	04 March 2023
16D	04 March 2023
16E	29 February 2020
16F	29 February 2020
16G	04 March 2023
16H	04 March 2023
16I	02 March 2024
16J	02 March 2024
16K	29 February 2020
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66A	07 June 2014
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67B	04 September 2021
67C	04 September 2021
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67F	02 March 2024
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67H	03 June 2023
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67O	29 February 2020
67P	29 February 2020
67Q	29 February 2020
67R	02 March 2024
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67T	05 June 2021
67U	04 December 2021
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67X	31 August 2019
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81	03 December 2016

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Table D2A – Route clearance of electric multiple units

Last Updated: 06/12/2025

To be read in conjunction with General Notes.

Line of route	ELR	Line of Route / Sector Description	0000		0000		319	325	373	375	376	377	378	380	387	Notes
			M	Ch	M	Ch										
SO110	VIR	Victoria platforms 1-8 – Battersea Pier Jn	0	00	0	70	E	H	N	Y	Y	Y	N	N	Y	
SO110	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	E	H	N	N	N	Y	Y	N	Y	
SO110	VIR	Battersea Pier Jn – Linford Street Jn	0	70	1	45	E R1	H R2	N	Y	Y	Y	N	N	Y	R1 15 mph over bridge No.11 Ramsgate line over Stewarts Lane Depot (01m 34ch)
SO110	AHG	Linford Street Jn – Route Boundary (SW100) (Nine Elms Jn)	2	50	2	00	N	N	N	N	N	N	N	N	N	
SO110	VIR	Linford Street Jn – Factory Jn	1	45	1	61	E	H R1	N	Y	Y	Y	N	N	Y	R1 Chatham Reversible only
SO110	FLL1	Factory Jn – Longhedge Jn	0	40	0	03	Y	Y	N	N	N	Y	Y	EH	Y	
SO110	VIR	Factory Jn – Shepherds Lane Jn	1	61	2	70	Y	Y	N	Y	Y	Y	E	EH	Y	
SO110	VIR	Shepherds Lane Jn – Brixton Jn	2	70	3	08	Y	Y	N	Y	Y	Y	E	EH	Y	
SO110	VIR	Brixton Jn – Herne Hill North Jn	3	08	3	70	Y	Y	N	Y	Y	Y	E	N	Y	
SO110	VIR	Herne Hill North Jn – Herne Hill South Jn	3	70	4	06	Y	Y	N	Y	Y	Y	E	N	Y	
SO110	HHT	Herne Hill South Jn – Route Boundary Sussex (Tulse Hill)	4	06	4	63	E	H	N	N	N	Y	E	N	Y	
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill North Jn	4	63	4	76	E	H	N	N	N	Y	E	N	Y	
SO110	HHT	Route Boundary Kent (Herne Hill South Jn) – Tulse Hill Substation via platforms 1 and 2	4	63	5	15	E	H	N	N	N	Y	E	N	Y	
SO110	VIR	Herne Hill South Jn – Beckenham Jn	4	06	8	43	Y	Y	N	Y	Y	Y	N	N	Y	
SO110	VIR	Beckenham Jn – Shortlands Jn	8	43	9	57	Y	Y	N	Y	Y	Y	N	N	Y	

Kent / Sussex / Wessex Routes Sectional Appendix Module KSWRC

Line of route	ELR	Line of Route / Sector Description	00	00	00	00	319	325	373	375	376	377	378	380	387	Notes
			M	Ch	M	Ch										
SO110	VIR	Shortlands Jn – Bickley Jn	9	57	12	38	Y	Y	N	Y	Y	Y	N	EH	Y	
SO110	TLP1	Bickley Jn – Petts Wood (Fast Tonbridge Loop)	12	38	13	29	Y	Y	N	Y	Y	Y	N	N	Y	
SO110	TLP2	Bickley Jn – Petts Wood (Slow Tonbridge Loop)	12	49	13	35	Y	Y	N	Y	Y	Y	N	N	Y	
SO110	CSM3	Hawkwood Jn (Up Chatham Loop) – St Mary Cray Jn	11	66	12	30	E	H	N	Y	Y	Y	N	N	Y	
SO110	VIR	Bickley Jn – St Mary Cray Down Jn	12	38	12	79	Y	Y	N	Y	Y	Y	N	EH	Y	
SO110	VIR	St Mary Cray Down Jn – St Mary Cray Up Jn	12	79	13	17	Y	Y	N	Y	Y	Y	N	EH	Y	
SO110	VIR	St Mary Cray Up Jn – Swanley Jn	13	17	17	46	Y	Y	N	Y	Y	Y	N	EH	Y	
SO110	VIR	Swanley Jn – Fawkham Jn	17	46	22	49	N	N	N	Y	Y	Y	N	N	Y	
SO110	VIR	Fawkham Jn – CTRL	22	49	0	00	N	N	N	N	N	N	N	N	N	
SO110	VIR	Fawkham Jn – Rochester Bridge Jn	22	49	33	01	N	N	N	Y	Y	Y	N	N	Y	
SO110	VIR	Rochester Bridge Jn – Gillingham	33	01	35	75	N	N	N	Y	Y	Y	N	N	Y	
SO110	VIR	Gillingham – Western Jn	35	75	43	70	N	N	N	Y	Y	R1 R2	N	N	R3	R1 Prohibited between Gillingham SB and Western Jn R2 Class 377/1 and 377/5 only Gillingham SB – Western Jn R3 Prohibited between Chatham Dockyard Jn and Western Jn
SO110	VIR	Western Jn – Eastern Jn	43	70	44	18	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO110	VIR	Eastern Jn – Faversham Jn	44	18	52	13	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO110	VIR	Faversham Jn – Ramsgate Station	52	13	79	21	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO110	ACR	Ramsgate Station – Ramsgate Substation	85	67	85	22	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO130	XTD	Charing Cross – Metropolitan Jn	0	00	1	31	E	H	N	Y	Y	Y	N	N	Y	
SO130	CBM	Cannon Street – Cannon Street Substation	0	00	0	20	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO130	CSW	Cannon Street Sub Station – Metropolitan Jn (via Metropolitan Reversible line)	1	53	1	33	E	N	N	Y	Y	R1 R2	N	N	N	R1 Class 377/1 and 377/5 only R2 Prohibited between Cannon Street Sub Station and 1m46ch
SO130	XTD	Metropolitan Jn – Borough Market Jn	1	31	1	50	E	H	N	Y	Y	Y	N	N	Y	
SO130	CBM	Cannon Street Substation – Borough Market Jn	0	20	0	38	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only

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Line of route	ELR	Line of Route / Sector Description	00	00	00	00	319	325	373	375	376	377	378	380	387	Notes
			M	Ch	M	Ch										
SO130	XTD	Borough Market Jn – London Bridge platforms 1-9	1	50	1	69	E	H	N	Y	Y	Y	N	N	Y	
SO130	XTD	London Bridge platforms 1-9 – North Kent East Jn	1	69	4	25	E	H	N	Y	Y	Y	N	N	Y	
SO130	XTD	North Kent East Jn – Tanners Hill Jn	4	25	5	29	E	H	N	Y	Y	Y	N	N	Y	
SO130	XTD	Tanners Hill Jn – Parks Bridge Jn	5	29	6	14	Y	H	N	Y	Y	Y	N	N	Y	
SO130	LLL	Parks Bridge Jn – Ladywell Jn	6	14	6	29	N	N	N	Y	Y	R1	N	N	Y	R1 Class 377/1 and 377/5 only
SO130	XTD	Parks Bridge Jn – Courthill Loop South Jn	6	14	6	21	E	H R1	N	Y	Y	Y	N	N	Y	R1 60mph maximum speed
SO130	XTD	Courthill Loop South Jn – Hither Green Jn	6	21	7	04	Y	H R1	N	Y	Y	Y	N	N	Y	R1 60mph maximum speed
SO130	XTD	Hither Green Jn – Lee Spur Jn	7	04	7	44	R1	H R2	N	Y	Y	Y	N	N	Y	R1 Slow lines only R2 60mph maximum speed
SO130	XTD	Lee Spur Jn – Chislehurst Jn	7	44	11	33	R1 R2	H R3 R4 R5 R6	N	Y	Y	R7	N	N	Y	R1 Between London end of Grove Park Station (08m 55ch (Slows to Fasts Double Jn)) and Chislehurst Jn use fast lines and Grove Park bay platform 1 (reversible) only R2 Prohibited Grove Park Down Washer line and Up sidings R3 60mph maximum speed R4 Between London end of Grove Park Station (08m 55ch (Slows to Fasts Double Jn)) and Chislehurst Jn use fast lines R5 25mph through Grove Park (fast lines). R6 Access to Grove Park Up Sidings via 924/925 points R7 Prohibited Grove Park Up and Down Washer line and Up sidings
SO130	CSM1	Chislehurst Jn – St Mary Cray Down Jn via Reversible Chatham Loop	11	33	11	71	E	N	N	Y	Y	Y	N	N	Y	
SO130	CSM3	Chislehurst Jn – Hawkwood Jn (Up Chatham Loop)	11	33	11	66	E	N	N	Y	Y	Y	N	N	Y	

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Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	319	325	373	375	376	377	378	380	387	Notes
SO130	XTD	Chislehurst Jn – Petts Wood Jns	11	33	12	27	R1	H	N	Y	Y	Y	N	N	Y	R1 Prohibited from Slow lines
SO130	XTD	Petts Wood Jns – Sevenoaks Substation	12	27	21	74	R1	Y	N	Y	Y	Y	N	N	Y	R1 Prohibited on Slow lines between Petts Wood Jns and Orpington
SO130	XTD	Sevenoaks Substation – Tonbridge West Jn	21	74	29	35	E R1	Y	N	Y	Y	Y	N	N	Y	R1 75mph maximum speed
SO130	XTD	Tonbridge West Jn – Tonbridge East Jn	29	35	29	55	E R1 R2	Y	N	Y	Y	Y	E	N	Y	R1 75mph maximum speed R2 Prohibited Tonbridge platform 4
SO130	XTD	Tonbridge East Jn – Paddock Wood	29	55	34	67	E R1	Y	N	Y	Y	Y	E	N	Y	R1 75mph maximum speed
SO130	XTD	Paddock Wood – Ashford (Jn with Maidstone line)	34	67	55	54	E R1	Y	N	Y	Y	Y	E	EH R2	Y	R1 75mph maximum speed R2 Prohibited between Paddock Wood and Chart Leacon Depot
SO130	XTD	Ashford (Jn with Maidstone line) – Ashford Station	55	54	56	09	E R1 R2 R3	Y	R4	Y	Y	Y	E	EH	Y	R1 75mph maximum speed R2 Prohibited Ashford platform 1 (Up platform loop) R3 25mph Ashford platform 2 (Up Slow) R4 Permitted Down / Up West Chord and Down / Up East Chords to CTRL interface, via Ashford platforms 3, 4, 5 & 6
SO130	XTD	Ashford Station – Ashford (Jn with Hastings line)	56	09	56	20	E R1 R2 R3	Y	R4	Y	Y	R5	E	N		R1 75mph maximum speed R2 Prohibited Ashford platform 1 (Up platform loop) R3 25mph Ashford platform 2 (Up Slow) R4 Permitted Down / Up West Chord and Down / Up East Chords to CTRL interface, via Ashford platforms 3, 4, 5 & 6 R5 Class 377/1 and 377/5 only
SO130	XTD	Ashford (Jn with Hastings line) – Ashford (Jn with Canterbury Line)	56	20	56	35	N	N	R1	Y	Y	R2	E	N	N	R1 Permitted Down / Up West Chord and Down / Up East Chords to CTRL interface, via Ashford platforms 3, 4, 5 & 6 R2 Class 377/1 and 377/5 only
SO130	XTD	Ashford (Jn with Canterbury Line) – Saltwood Jn	56	35	66	38	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO130	XTD	Saltwood Jn – Folkestone Central	66	38	69	73	N	N	R1	Y	Y	R2	N	N	N	R1 Permitted Down / Up West Chord and Down / Up East Chords to CTRL interface R2 Class 377/1 and 377/5 only

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Line of route	ELR	Line of Route / Sector Description	oo	oo	oo	oo	319	325	373	375	376	377	378	380	387	Notes
			M	Ch	M	Ch										
SO130	XTD	Folkestone Central – Folkestone East Staff Halt	69	73	70	73	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO130	XTD	Folkestone East Staff Halt – Dover Substation	70	73	76	45	N	N	N	Y	R1	R2 R3 R4 R5	N	N	N	R1 Prohibited between Folkestone East and Dover Substation when laden R2 Class 377/1 and 377/5 only R3 Prohibited Archcliffe Jn - Dover Substation R4 Prohibited Abbotscliffe Tunnel Down line R5 Prohibited Martello Tunnel
SO140	SBJ	Swanley Jn (SO110) – Otford Jn	17	46	24	53	Y	Y	N	Y	Y	Y	N	EH	Y	
SO140	OJS	Otford Jn – Sevenoaks Jn	24	53	26	58	Y	Y	N	Y	Y	Y	N	N	Y	
SO140	SBJ	Otford Jn – Jn with Maidstone line	24	53	58	61	N	Y	N	Y	Y	Y	N	EH	Y	
SO150	WMS	Western Jn (SO110) – Middle Jn	43	70	44	13	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO150	SEJ1	Eastern Jn (SO110) – Middle Jn	0	00	0	23	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO150	SEJ2	Middle Jn – Sheerness on Sea	44	13	51	19	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO160	FDM	Faversham Jn (SO110) – Buckland Jn	52	13	76	32	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO160	FDM	Buckland Jn – Change of mileage	76	32	77	76	N	N	N	Y	R1	R2 R3 R4	N	N	N	R1 Prohibited between Dover Priory and Change of mileage when laden R2 Class 377/1 and 377/5 only R3 Prohibited Dover Priory - Change of mileage R4 Prohibited Priory Tunnel on Up Chatham line
SO160	FDM	Change of mileage – Dover Substation	76	53	76	45	N	N	N	Y	E	N	N	N	N	
SO170	TTH	Tonbridge East Jn (SO130) – Tunbridge Wells	29	55	34	32	N	N	N	Y	Y	Y	N	N	Y	
SO170	TTH	Tunbridge Wells – Bo Peep Jn	34	32	60	69	N	N	N	Y	Y	Y	N	N	Y	
SO180	PWS1	Paddock Wood – Maidstone West Change of Mileage	34	67	44	56	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO210	APL	Appledore (SO600) – Dungeness Ground Frame	64	50	73	65	N	N	N	N	N	N	N	N	N	
SO220	ACR	Ashford (Jn with Canterbury line (SO130)) – Hitachi Depot (Access)	56	35	57	05	N	N	N	Y	Y	R1	E	N	N	R1 Class 377/1 and 377/5 only
SO220	ACR	Hitachi Depot (Access) – Minster West Jn	57	05	81	69	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO220	ACR	Minster West Jn – Minster East Jn	81	69	82	17	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO220	ACR	Minster East Jn – Ramsgate Substation	82	17	85	22	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only

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			M	Ch	M	Ch										
SO230	FFH2	Folkstone East Jn (SO130) – Folkstone Harbour	71	08	72	13	N	N	N	N	N	N	N	N	N	
SO240	BME2	Buckland Jn – Sandwich	99	05	86	46	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO240	BME2	Sandwich – Minster South	86	46	82	21	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO240	MSW	Minster South Jn – Minster West Jn	82	12	81	64	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO240	BME1	Minster South Jn – Minster East Jn	0	23	0	00	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO250	BSF	Battersea Pier Jn – Connection to Battersea Reversible	0	71	1	18	E	H	N	Y	Y	Y	N	N	Y	
SO250	BSF	Connection to Battersea Reversible – Stewarts Lane Jn	1	18	1	36	E	H	N	Y	Y	Y	N	N	Y	
SO250	BSF	Stewarts Lane Jn – Factory Jn	1	36	1	61	E	H	N	Y	Y	Y	N	N	Y	
SO250	BSP1	Battersea Pier Jn – Connection to Stewarts Lane Up and Down lines (via Battersea Reversible)	0	71	1	33	E	H	N	N	N	Y	Y	N	Y	
SO250	BSP1	Connection to Stewarts Lane Up and Down lines (via Battersea Reversible) – Longhedge Jn (via Battersea Reversible)	1	33	1	66	E	H	N	N	N	Y	Y	N	Y	
SO250	BSP2	Longhedge Jn – Pouparts Jn	1	66	2	19	E	H	N	N	N	Y	Y	N	Y	
SO250	FLL2	Longhedge Jn – Route Boundary (SW100) (Ludgate Jn)	1	66	1	77	Y	H	N	N	N	Y	Y	N	Y	
SO250	CKL	Longhedge Jn – Latchmere Jn No.3	1	66	2	39	Y	Y	N	N	N	Y	Y	EH	Y	
SO250	SCC	Latchmere Jn No.3 – Route Boundary (SW100) (West London Jn)	3	45	3	30	N	N	N	N	N	N	N	N	N	
SO250	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SW220]	2	39	2	50	Y	Y	N	N	N	Y	Y	N	Y	
SO250	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SW220]	0	63	0	68	Y	Y	N	N	N	Y	Y	EH	Y	
SO250	CJL	Latchmere Jn No.2 – Route Boundary (SW100) (Ludgate Jn)	0	68	0	47	E	H	N	N	N	Y	Y	N	Y	
SO250	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SW220]	0	71	3	42	Y	Y	N	N	N	Y	Y	EH	Y	
SO250	WLL	Kensington Olympia – Northbound AC/DC changeover	3	42	5	16	Y	Y	N	N	N	Y	Y	EH	Y	

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Line of route	ELR	Line of Route / Sector Description	00	00	00	00	319	325	373	375	376	377	378	380	387	Notes
			M	Ch	M	Ch										
SO250	WLL	Northbound AC/DC changeover – Southbound AC/DC changeover	5	16	5	43	Y	Y	N	N	N	Y	Y	EH	Y	
SO250	WLL	Southbound AC/DC changeover – Route Boundary (MD166) (Mitre Bridge Jn)	5	43	5	65	Y	Y	N	N	N	Y	Y	EH	Y	
SO260	CAT	Brixton Jn – Canterbury Road Jn	3	08	3	24	Y	Y	N	Y	Y	Y	N	EH	Y	
SO260	CAT	Canterbury Road Jn – Cambria Jn	3	24	3	68	Y	Y	N	Y	Y	Y	N	EH	Y	
SO260	CAT	Cambria Jn – Nunhead Jn	3	68	6	09	Y	Y	N	Y	Y	Y	N	EH	Y	
SO260	CAT	Nunhead Jn – Ravensbourne Jn	6	09	10	44	Y	Y	N	Y	Y	Y	N	EH	Y	
SO260	RVC	Ravensbourne Jn – Shortlands Jn via Ravensbourne Chord	0	00	0	48	Y	H	N	Y	N	Y	N	N	Y	
SO260	CAT	Ravensbourne Jn – Shortlands Jn	10	44	10	73	Y	Y	N	Y	Y	Y	N	EH	Y	
SO280	MCL	Route Boundary (LN3213) (Kentish Town Jn) – ELR change (Former Farringdon Jn)	0	66	0	00	E	H	N	N	N	Y	N	N	Y	
SO280	FTL	ELR change (Former Farringdon Jn) – Snow Hill Tunnel (Change of Mileage)	0	00	0	39	E	H	N	N	N	R1	N	N	Y	R1 Route prohibited to Classes 377/1, 377/3, 377/4, 377/6 and 377/7
SO280	HHH	Snow Hill Tunnel (Change of Mileage) – Blackfriars	0	21	0	35	E	H	N	N	Y	R1	N	N	Y	R1 Route prohibited to Classes 377/1, 377/3, 377/4, 377/6 and 377/7
SO280	HHH	Blackfriars – Blackfriars Jn	0	35	0	63	E	H	N	Y	Y	Y	N	N	Y	
SO280	BMJ	Blackfriars Jn – Metropolitan Jn	0	63	1	14	E	H	N	Y	Y	Y	N	N	Y	
SO280	HHH	Blackfriars Jn – Loughborough Jn	0	63	3	36	E	H	N	Y	Y	Y	N	N	Y	
SO280	LTC	Loughborough Jn – Cambria Jn	3	34	3	62	E	H	N	Y	Y	Y	N	N	Y	
SO280	LOC	Loughborough Jn – Canterbury Road Jn	3	39	3	79	E	H	N	Y	Y	Y	N	N	Y	
SO280	HHH	Loughborough Jn – Herne Hill North Jn	3	36	4	30	E	H	N	Y	Y	Y	N	N	Y	
SO290	NKL	North Kent East Jn (SO130) – Charlton Jn	4	25	7	35	N	N	N	Y	Y	N	N	N	N	
SO290	NKL	North Kent East Jn (SO130) – Charlton Jn	4	25	7	35	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO290	NKL	Charlton Jn – Charlton	7	35	7	44	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO290	NKL	Charlton – Slade Green Jn	7	44	15	36	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO290	NKL	Slade Green Jn – Crayford Creek Jn	15	36	15	66	E	H	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO290	NKL	Crayford Creek Jn – Crayford Spur 'A' Jn	15	66	16	42	E	H	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO290	NKL	Crayford Spur 'A' Jn – Dartford Jn	16	42	16	75	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only

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Line of route	ELR	Line of Route / Sector Description	00	00	00	00	319	325	373	375	376	377	378	380	387	Notes
			M	Ch	M	Ch										
SO300	BEX	Lewisham Jn – Blackheath Jn	5	74	7	14	E R1 R2 R3	H R1 R2 R3	N	Y	Y	R4	N	N	N	R1 45mph maximum speed R2 10mph Lewisham platform 4 (Down North Kent) R3 10mph Blackheath platform 2 R4 Class 377/1 and 377/5 only
SO300	BTC	Blackheath Jn – Charlton Jn	7	14	8	67	N	N	N	Y	Y	R1 R2	N	N	N	R1 Class 377/1 and 377/5 only R2 Prohibited Blackheath Tunnel Up line
SO300	BEX	Blackheath Jn – Perry Street Fork Jn	7	14	15	07	E R1 R2 R3 R4 R5 R6	H R1 R2 R3 R4 R5 R6	N	Y	Y	R7	N	N	N	R1 45mph maximum speed R2 10mph Kidbrooke platforms 1 and 2 R3 10mph through Eltham Park (Closed) R4 10mph Welling platform 1 R5 10mph Bexleyheath platform 2 R6 10mph Barnehurst platform 1 R7 Class 377/1 and 377/5 only
SO300	PSF	Perry Street Fork Jn – Slade Green Jn	15	07	15	31	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO300	BEX	Perry Street Fork Jn – Crayford Creek Jn	15	07	15	66	E	H	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO310	HDR	Hither Green Jn (SO290) – Lee Loop Jn	7	16	7	29	E	H	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO310	LEE	Lee Loop Jn – Lee Spur Jn	0	00	0	29	E	H	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO310	HDR	Lee Loop Jn – Lee	7	29	7	66	E	H	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO310	HDR	Lee – Crayford Spur 'B' Jcn	7	66	16	11	E	H	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO310	CRA	Crayford Spur 'B' Jn – Crayford Spur 'A' Jn	16	11	16	43	E	H	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO310	HDR	Crayford Spur 'B' Jcn – Dartford Jn	16	11	16	75	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO310	HDR	Dartford Jn – Hoo Jn	16	75	27	19	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO310	HDR	Hoo Jn – Strood Jn	27	19	31	16	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO310	HDR	Strood Jn – Rochester Bridge Jn	31	16	31	34	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO310	PWS2	Strood Jn – Maidstone West Change of Mileage	31	16	42	41	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO320	HTG	Hoo Jn – Grain LC and Sidings beyond	27	19	38	22	N	N	N	N	N	N	N	N	N	

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Line of route	ELR	Line of Route / Sector Description	00	00	00	00	319	325	373	375	376	377	378	380	387	Notes
			M	Ch	M	Ch										
SO330	NLT	Nunhead Jn (SO260) – Lewisham Jn	6	09	7	58	Y	H	N	Y	Y	Y	N	N	Y	
SO330	LVT	Tanners Hill Jn (SO130) – Lewisham Jn	5	29	5	55	N	N	N	Y	Y	Y	N	N	Y	
SO330	BEX	St Johns Jn (SO130) – Lewisham Jn	5	54	5	74	E R1	H R1	N	Y	Y	R2	N	N	Y	R1 45mph maximum speed R2 Class 377/1 and 377/5 only
SO330	LCH	Lewisham Jn – Courthill Loop North Jn	5	72	6	21	Y	H	N	Y	Y	Y	N	N	Y	
SO330	NCS	Courthill Loop North Jn – Courthill Loop South Jn	6	21	6	43	Y	H	N	Y	Y	Y	N	N	Y	
SO330	LCH	Courthill Loop North Jn – Ladywell Jn	6	21	6	41	E	H	N	Y	Y	Y	N	N	Y	
SO330	LCH	Ladywell Jn – New Beckenham Jn	6	41	9	51	E	H	N	Y	Y	Y	N	N	Y	
SO330	NBB	New Beckenham Jn – Beckenham Jn	9	51	10	04	E	H	N	Y	Y	Y	N	N	Y	
SO330	LCH	New Beckenham Jn – Hayes	9	51	14	32	N	N	N	Y	Y	Y	N	N	Y	
SO350	BNG	Grove Park (SO130) – Bromley North	8	87	10	47	N	N	N	Y	Y	R1	N	N	N	R1 Class 377/1 and 377/5 only
SO500	VTB1	Victoria platforms 9-19 – Battersea Pier Jn	0	00	0	71	Y	H	N	Y	N	Y	N	N	Y	
SO500	VTB1	Battersea Pier Jn – Battersea Park Jn	0	71	1	13	Y	H	N	Y	N	Y	N	N	Y	
SO500	VTB1	Battersea Park Jn – Pouparts Jn	1	13	2	03	Y	H	N	Y	N	Y	N	N	Y	
SO500	VTB1	Pouparts Jn – Falcon Jn	2	03	2	66	Y	H	N	Y	N	Y	E	N	Y	
SO500	WLL	Falcon Jn – Latchmere No1 Jn via Clapham Jn platforms 16 and 17	0	00	0	63	E	H	N	N	N	R2 R3	Y	N	R4	R1 OPPOS applies between crossover VC289 points and Falcon Jn (VC290 / 292) points. R2 Classes 377/1 – 377/5 - 15mph Clapham Jn platforms 16 and 17 R3 Classes 377/6 and 377/7 – 15mph Clapham Jn Down West London Line platform16 R4 15mph maximum speed Clapham Junction platforms 16 and 17
SO500	VTB1	Falcon Jn – Balham Jn	2	66	4	69	Y	H	N	Y	N	Y	E	N	Y	
SO500	VTB1	Balham Jn – Streatham North Jn	4	69	6	14	Y	H	N	Y	N	Y	E	N	Y	
SO500	SNS	Streatham North Jn – Streatham South Jn via Reversible Fast Spur	6	16	6	35	E	H	N	N	N	Y	N	N	Y	

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Line of route	ELR	Line of Route / Sector Description	00	00	00	00	319	325	373	375	376	377	378	380	387	Notes
			M	Ch	M	Ch										
SO500	SLJ	Streatham North Jn – Streatham South Jn via Slow Spurs	6	14	6	38	E	H	N	N	N	Y	N	N	Y	
SO500	VTB1	Streatham North Jn – Selhurst Jn	6	14	9	43	Y	H	N	Y	N	Y	E	N	Y	
SO500	WCS	Selhurst Jn – Gloucester Road Jn	9	44	9	62	Y	H	N	N	N	Y	E	N	Y	
SO500	VTB1	Selhurst Jn – Windmill Bridge Jn	9	43	10	12	Y	H	N	Y	N	Y	E	N	Y	
SO500	VTB2	Windmill Bridge Jn – South Croydon Jn	9	69	11	29	Y	H	N	Y	Y	Y	Y	N	Y	
SO500	VTB2	South Croydon Jn – Stoats Nest Jn	11	29	14	20	R1	H R1	N	Y	Y	Y	E	N	Y	R1 60mph Purley platform 3
SO500	RED1/2	Stoats Nest Jn – Redhill	14	20	22	40	Y	H	N	Y	Y	Y	Y	N	E	
SO500	RED1/2	Redhill – Change of Mileage (Redhill / Slow lines) Via Redhill	22	40	23	00	Y	H	N	Y	Y	Y	N	N	Y	
SO500	VTB2	Stoats Nest Jn – Change of Mileage (Quarry / Fast lines)	14	20	23	21	E	H	N	Y	Y	Y	N	N	Y	
SO500	VTB3	Change of Mileage (Quarry / Fast lines) – Three Bridges	21	15	29	21	E	H	N	Y	Y	Y	N	N	Y	
SO500	VTB3	Three Bridges – Copyhold Jn	29	21	36	73	E	H	N	Y	N	Y	N	N	Y	
SO500	CJA1	Copyhold Jn – Change of Mileage	36	73	36	33	N	N	N	N	N	N	N	N	N	
SO500	CJA2	Change of Mileage – Ardingly Sidings	0	00	0	70	N	N	N	N	N	N	N	N	N	
SO500	VTB3	Copyhold Jn – Keymer Jn	36	73	40	69	E	H	N	Y	N	Y	N	N	Y	
SO500	VTB3	Keymer Jn – Preston Park Jn	40	69	49	43	E	H	N	Y	N	Y	N	N	Y	
SO500	PPH	Preston Park Jn – Hove Jn	49	21	50	44	E	H	N	N	N	Y	N	N	Y	
SO500	VTB3	Preston Park Jn – Brighton	49	43	50	49	E	H	N	Y	N	Y	N	N	Y	
SO510	LBW	London Bridge platforms 10-15 – Bricklayers Arms Jn	0	00	2	12	E	H	N	Y	Y	Y	E	N	Y	
SO510	LBW	Bricklayers Arms Jn – New Cross Gate Up Jn	2	12	2	60	E	H	N	Y	Y	Y	E	N	Y	
SO510	ELL1	New Cross Gate Up Jn – Network Rail Boundary / Up ELL	5	51	5	49	N	N	N	N	N	N	Y	N	N	
SO510	LBW	New Cross Gate Up Jn – New Cross Gate Down Jn	2	60	3	10	E	H	N	Y	Y	Y	Y	N	Y	
SO510	ELL1	New Cross Gate Down Jn – Network Rail Boundary / Down ELL	6	02	5	79	N	N	N	N	N	N	Y	N	N	

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Line of route	ELR	Line of Route / Sector Description	00	00	00	00	319	325	373	375	376	377	378	380	387	Notes
			M	Ch	M	Ch										
SO510	LBW	New Cross Gate Down Jn – Sydenham Down Jn	3	10	6	51	E	H	N	Y	Y	Y	Y	N	Y	
SO510	LBW	Sydenham Down Jn – Norwood Jn	6	51	8	55	E	H	N	Y	Y	Y	Y	N	Y	
SO510	LBW	Norwood Jn – Norwood Fork Jn	8	55	9	33	E	H	N	Y	Y	Y	Y	N	Y	
SO510	LBW	Norwood Fork Jn – Cottage Jn / Windmill Bridge Jn	9	33	9	64	E	H	N	Y	Y	Y	Y	N	Y	
SO510	NFE	Norwood Fork Jn – Sutton	9	33	14	75	E	H	N	N	N	Y	R1	N	Y	R1 Prohibited between West Croydon and Sutton except to enable the unit to return to West Croydon station from signal T1048 via the Down Wallington
SO510	NFE	Sutton – Epsom Downs	14	75	18	60	E	H	N	N	N	Y	N	N	Y	
SO520	TBH1	Three Bridges – Crawley	29	21	30	49	E	H	N	N	N	Y	N	N	Y	
SO520	TBH1	Crawley – Horsham Jn	30	49	37	39	E	H	N	N	N	Y	N	N	Y	
SO520	TBH1	Horsham Jn – Horsham	37	39	37	56	E	H	N	N	N	Y	N	N	Y	
SO520	TBH1	Horsham – Billingshurst	37	56	44	71	E R1	H R1	N	N	N	Y	N	N	Y	R1 20mph Billingshurst platform 1
SO520	TBH1	Billingshurst – Arundel Jn	44	71	59	75	N	N	N	N	N	Y	N	N	Y	R1 20mph Pulborough platform 1 (Up Main)
SO520	TBH2	Arundel Jn – Barnham	19	01	22	29	N	N	N	N	N	Y	N	N	Y	
SO520	TBH2	Barnham – Route Boundary (SW110) (Havant Jn)	22	29	35	35	N	N	N	N	N	Y	N	N	Y	
SO520	TBH2	Route Boundary Sussex (Barnham) – Havant Jn [Duplicated on SW110]	35	35	37	24	N	N	N	N	N	Y	N	N	Y	
SO520	WPH2	Havant Jn – Farlington Jn [Duplicated on SW110]	37	24	40	33	N	N	N	N	N	Y	N	N	N	
SO520	WPH2	Farlington Jn – Portcreek Jn [Duplicated on SW110]	40	33	41	03	N	N	N	N	N	Y	N	N	N	
SO520	WPH2	Portcreek Jn – Blackfriars Jn [Duplicated on SW110]	41	03	44	50	N	N	N	N	N	Y	N	N	N	
SO520	WPH2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SW110]	44	26	44	50	N	N	N	N	N	R1	N	N	N	R1 Classes 377/6 and 377/7 prohibited Portsmouth and Southsea Low Level Platforms

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SO520	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SW110]	44	26	44	50	N	N	N	N	N	R1	N	N	N	R1 Route prohibited to Classes 377/6 and 377/7
SO520	WPH2	Portsmouth and Southsea High Level – Portsmouth Harbour *platforms 4 and 5 RA7 *platforms 1 and 3 RA4 [Duplicated on SW110]	44	50	45	36	N	N	N	N	N	Y	N	N	N	
SO530	SCU1	South Croydon Jn (SO600) – Sanderstead	11	29	12	23	E	H	N	N	N	Y	N	N	Y	
SO530	SCU1	Sanderstead – Hurst Green Jn	12	23	21	35	N	N	N	N	N	Y	N	N	Y	
SO530	HGG1	Hurst Green Jn – End of Line beyond East Grinstead	21	35	30	12	N	N	N	N	N	Y	N	N	Y	
SO540	SCU1	Hurst Green Jn – Uckfield	21	35	46	08	N	N	N	N	N	EH R1	N	N	N	R1 Route prohibited to Classes 377/6 and 377/7
SO550	RTT	Redhill (SO500) – Tonbridge	22	40	42	16	Y	H R1	N	Y	Y	Y	E	N	Y	R1 OPPOS applies between through Bletchingley tunnel and Penshurst tunnel
SO560	RSJ	Redhill – Reigate	22	40	24	27	E	H	N	N	N	Y	N	N	Y	
SO560	RSJ	Reigate – Route Boundary (SW300) (Shalford Jn)	24	27	33	10	N	N	N	N	N	N	N	N	N	
SO590	KJE1	Keymer Jn – Lewes	40	69	49	74	E	H	N	Y	N	Y	N	N	Y	
SO590	KJE1/2	Lewes – Southerham Jn [Duplicated on SO620]	49	74	51	11	N	N	N	Y	N	Y	N	N	Y	
SO590	KJE3	Southerham Jn – Willingdon Jn	9	14	21	39	N	N	N	Y	N	Y	N	N	Y	
SO590	KJE3	Willingdon Jn – Eastbourne	21	39	23	75	N	N	N	Y	N	Y	N	N	Y	
SO600	WJB	Willingdon Jn – Connection - St Leonards LMD	20	36	32	21	N	N	N	Y	N	Y	N	N	Y	
SO600	WJB	Connection - St Leonards LMD – Bo Peep Jn	32	21	32	76	N	N	N	Y	Y	Y	N	N	Y	
SO600	TTH	Bo Peep Jn – Hastings	60	69	62	33	N	N	N	Y	Y	Y	N	N	Y	
SO600	ATH	Hastings – Ore Start / End of Electrification	82	34	81	42	N	N	N	Y	Y	Y	N	N	R1	Prohibited with deflated secondary suspension
SO600	ATH	Ore Start / End of Electrification – Jn with Hastings line	81	42	56	20	N	N	N	EH	N	EH	N	N	N	

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			M	Ch	M	Ch										
SO620	BTL	Montpelier Jn – Lewes	0	14	7	77	E	H	N	Y	N	Y	N	N	Y	
SO620	KJE1/2	Lewes – Southerham Jn [Duplicated on SO590]	49	74	51	11	N	N	N	Y	N	Y	N	N	Y	
SO620	STS	Southerham Jn – Newhaven Harbour Jn	51	11	56	55	N	N	N	N	N	Y	N	N	Y	
SO620	NHB	Newhaven Harbour Jn – Wharf Road (Newhaven Marine)	56	55	57	78	N	N	N	N	N	Y	N	N	Y	
SO620	STS	Newhaven Harbour Jn – Seaford	56	55	58	77	N	N	N	N	N	Y	N	N	Y	
SO630	BLI1	Brighton platforms 1 and 2 – Hove Jn	0	00	1	28	E R1	H R1	N	N	N	Y	N	N	Y	R1 Prohibited Brighton platform 1
SO630	BLI1	Hove Jn – Hove platforms 2 and 3	1	28	1	35	E	H	N	N	N	Y	N	N	Y	
SO630	PPH	Hove Jn – Hove Up platform loop via platform 1	50	48	51	02	E	H	N	N	N	Y	N	N	N	
SO630	BLI1	Hove Up platform loop and platforms 2, and 3 – Arundel Jn	1	28	19	01	N	N	N	N	N	Y	N	N	Y	
SO630	BLI1	Arundel Jn – Littlehampton Jn (Change of Mileage)	19	01	19	25	N	N	N	N	N	Y	N	N	Y	
SO630	FJL	Littlehampton Jn – Ford Jn	60	57	60	26	N	N	N	N	N	Y	N	N	Y	
SO630	BLI2	Littlehampton Jn (Change of Mileage) – Littlehampton	60	57	62	03	N	N	N	N	N	Y	N	N	Y	
SO640	BBR	Barnham – Bognor Regis	22	29	25	75	N	N	N	N	N	Y	N	N	Y	
SO645	ATL	Battersea Park – Factory Jn	7	27	6	67	E	H	N	Y	N	Y	Y	EH R1	Y	R1 Prohibited between Battersea Park and Voltaire Road Jn
SO645	ATL	Factory Jn – Wandsworth Road Jn	6	67	6	53	Y	H	N	Y	Y	Y	Y	EH	Y	
SO645	ATL	Wandsworth Road Jn – Shepherds Lane Jn	6	53	5	68	Y	H	N	Y	Y	Y	Y	EH	Y	
SO645	ATL	Shepherds Lane Jn – Crofton Road Jn	5	68	3	67	E	H	N	Y	Y	Y	Y	EH	Y	
SO645	ATL	Crofton Road Jn – Peckham Rye Jn	3	67	3	47	E	H	N	Y	N	Y	Y	N	Y	
SO650	BBJ	Balham Jn (SO500) – Leigham Jn	4	69	6	31	E	H	N	N	N	Y	Y	N	Y	
SO650	BBJ	Leigham Jn – West Norwood Jn	6	31	6	58	E	H	N	N	N	Y	Y	N	Y	
SO650	BBJ	West Norwood Jn – Crystal Palace platforms 1 and 2	6	58	8	56	E	H	N	N	N	Y	Y	N	Y	
SO650	SCP	Crystal Palace platforms 3 - 6 – Sydenham Up Jn	7	52	6	49	E	H	N	N	N	Y	Y	N	Y	
SO650	BBJ	Crystal Palace platforms 1 and 2 – Bromley Up Jn	8	56	9	36	E	H	N	N	N	Y	Y	N	Y	
SO650	BJN1	Bromley Up Jn – Norwood North Jn	9	36	9	75	E	H	N	N	N	Y	Y	N	Y	
SO650	BBJ	Bromley Up Jn – Bromley Down Jn	9	36	9	48	E	H	N	N	N	Y	Y	N	Y	
SO650	BJN2	Bromley Down Jn – Norwood North Jn	9	48	9	75	E	H	N	N	N	Y	Y	N	Y	
SO650	BBJ	Bromley Down Jn – Beckenham Jn	9	48	11	62	E	H	N	N	N	Y	N	N	Y	

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Line of route	ELR	Line of Route / Sector Description	00	00	00	00	319	325	373	375	376	377	378	380	387	Notes
			M	Ch	M	Ch										
SO660	PAT	Purley (S0500) – Caterham	15	13	19	70	E	H	N	N	N	Y	N	N	Y	
SO660	TAT	Purley (S0500) – Tattenham Corner	15	13	23	37	E	H	N	N	N	Y	N	N	Y	
SO680	BTH1	South Bermondsey Jn (SO510) – Old Kent Road Jn	1	49	2	32	E	H	N	N	N	Y	Y	N	Y	
SO680	BTH1	Old Kent Road Jn – Peckham Rye Jn	2	32	3	47	E	H	N	N	N	Y	Y	N	Y	
SO680	BTH1	Peckham Rye Jn – Tulse Hill North Jn	3	47	6	07	E	H	N	N	N	Y	N	N	Y	
SO680	WTH	Tulse Hill – West Norwood Jn	6	14	6	41	E	H	N	N	N	Y	E	N	Y	
SO680	LTH	Tulse Hill – Leigham Jn	6	20	6	40	E	H	N	N	N	Y	E	N	Y	
SO680	BTH1	Tulse Hill North Jn – Streatham Jn	6	07	7	57	E	H	N	N	N	Y	E	N	Y	
SO680	SSC	Streatham Jn – Streatham Common Jn	7	57	8	10	E	H	N	N	N	Y	E	N	Y	
SO680	BTH1	Streatham Jn – Streatham South Jn (a)	7	57	8	09	E	H	N	N	N	Y	N	N	Y	
SO680	BTH1	Streatham South Jn (a) – Streatham South Jn (b)	8	09	8	12	E	H	N	N	N	Y	N	N	Y	
SO680	BTH1	Streatham South Jn (b) – Streatham South Jn (c)	8	12	8	15	E	H	N	N	N	Y	N	N	Y	
SO680	BTH1	Streatham South Jn (c) – Change of Mileage	8	15	13	45	E	H	N	N	N	Y	N	N	Y	
SO680	BTH2	Change of Mileage – Route Boundary Wessex (Epsom)	14	66	17	33	E	H	N	N	N	Y	N	N	Y	
SO680	BTH2	Route Boundary Sussex (Ewell East) – Epsom (Change of ELR) [Duplicated in SW180]	17	33	18	73	E	H	N	N	N	Y	N	N	Y	
SO680	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SW180]	14	27	18	02	E	H	N	N	N	Y	N	N	Y	
SO680	BTH3	Leatherhead–Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	E	H	N	N	N	Y	N	N	Y	
SO680	BTH3	Route Boundary Sussex (Leatherhead) – Horsham jn [Duplicated in SW180]	21	09	35	34	E	H	N	N	N	Y	N	N	Y	
SO700	SMS1	Streatham South Jn (c) – Wimbledon platforms 9 and 10	0	00	3	07	E	H	N	N	N	Y	N	N	Y	
SO700	SMS2	Wimbledon platforms 9 and 10 – Wimbledon West Jn	7	21	7	51	E	H	N	N	N	Y	N	N	Y	
SO700	SMS2	Wimbledon West Jn – Sutton	7	51	12	50	E	H	N	N	N	Y	N	N	Y	

Table D2A – Route clearance of electric multiple units

Last Updated: 06/12/2025

To be read in conjunction with General Notes.

Line of route	ELR	Line of Route / Sector Description	0000		0000		319	325	377	378	380	387	Notes
			M	Ch	M	Ch							
SW100	JAT	Waterloo platforms 20-24 – International Jn	00	00	0	38	N	N	N	N	N	N	
SW100	RDG1	Waterloo platforms 12-19 – International Jn (Windsor lines)	0	00	0	38	Y	H	N	N	N	N	
SW100	RDG1	International Jn – Carlisle Lane Jn (Windsor lines)	0	38	0	42	Y	H	N	N	N	N	
SW100	RDG1	Carlisle Lane Jn – Nine Elms Jn (Windsor lines)	0	42	2	00	Y	H	N	N	N	N	
SW100	BML1	Waterloo platforms 1-11 – International Jn (Main lines)	0	00	0	38	Y	H	N	N	N	N	
SW100	BML1	International Jn – Carlisle Lane Jn (Main lines)	0	38	0	42	Y	H	N	N	N	N	
SW100	BML1	Carlisle Lane Jn – Nine Elms Jn (Main lines)	0	42	2	00	Y	H	N	N	N	N	
SW100	AHG	Nine Elms Jn – Route Boundary (Kent SO110) (Lindford Street Jn)	2	00	2	44	N	N	N	N	N	N	
SW100	RDG1	Nine Elms Jn – West London Jn (Windsor lines)	2	00	3	17	Y	H	N	N	N	N	
SW100	BML1	Nine Elms Jn – Crossovers at 2m 65ch (Main lines)	2	00	2	65	Y	H	N	N	N	N	
SW100	BML1	Crossovers at 2m 65 – West London Jn (Main lines)	2	65	3	17	Y	H	N	N	N	N	
SW100	SCC	West London Jn – Route Boundary (Sussex SO250) (Lathmere Jn No.3)	3	17	3	30	N	N	N	N	N	N	
SW100	RDG1	West London Jn – Ludgate Jn (Windsor lines)	3	17	3	57	E	H	N	N	N	N	
SW100	BML1	West London Jn – Ludgate Jn (Main lines)	3	17	3	57	E	H	N	N	N	N	
SW100	FLL2/3	Route Boundary (Sussex SO250) (Longhedge Jn) – Ludgate Jn	1	77	3	57	E	H	Y	Y	N	Y	
SW100	CJL	Ludgate Jn – Route Boundary (Sussex SO250) (Lathmere Jn No.2)	0	30	0	47	E	H	Y	Y	N	Y	

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Line of route	ELR	Line of Route / Sector Description	0000	0000	0000	0000	319	325	377	378	380	387	Notes
			M	Ch	M	Ch							
SW100	RDG1	Ludgate Jn – Clapham Jn (Windsor lines)	3	57	3	74	E	H	R2	Y	N	R3	R1 Prohibited Clapham platforms 2, 3, 4, 5 and 6 R2 Classes 377/1-377/5 prohibited Clapham platforms 3, 4, 5 and 6 R3 Prohibited: <ul style="list-style-type: none"> Clapham platform 3 (Up Windsor Slow) Clapham platform 4 (Up Windsor Fast) Clapham platform 5 (Down Windsor Fast) Clapham platform 6 (Down Windsor Slow)
SW100	BML1	Ludgate Jn – Clapham Jn (Main lines)	3	57	3	74	E	H	N	N	N	N	
SW105	BML1	Clapham Jn – Wimbledon platforms 5, 6, 7 and 8	3	74	7	19	E	H	N	N	N	N	
SW105	PPW	Wimbledon North Jn – Wimbledon platforms 1, 2, 3 and 4 (District line)	8	26	8	47	E R1	N	N	N	N	N	R1 Prohibited Wimbledon platforms 1, 2 and 3
SW105	BML1	Wimbledon platforms 5, 6, 7 and 8 – Wimbledon West Jn	7	19	7	49	E	H	N	N	N	N	
SW105	BML1	Wimbledon West Jn – Hampton Court Jn	7	49	13	27	E	H	N	N	N	N	
SW105	BML1	Hampton Court Jn – Woking	13	27	24	27	E	H	N	N	N	N	
SW105	BML1	Woking – Basingstoke	24	27	47	61	E R1	H R1	N	N	N	N	R1 Prohibited Basingstoke platform 5
SW105	BML1	Basingstoke – Eastleigh West Jn	47	61	73	42	E	H	R1	N	N	R1	R1 Prohibited between Basingstoke and Eastleigh East Jn
SW105	BML1	Eastleigh West Jn – St Denys	73	42	77	10	N	N	Y	N	N	Y	R1 3-car operation
SW105	BML1	St Denys – Northam Jn	77	10	78	15	N	N	Y	N	N	Y	R1 3-car operation
SW105	BML2	Northam Jn – Redbridge Jn	78	15	81	78	N	N	R1	N	N	R1	R1 Prohibited between Southampton Central and Redbridge Jn
SW105	BML2	Redbridge Jn – Worgret Jn	81	78	121	77	N	N	N	N	N	N	
SW105	FUR	Worgret Jn – Network Rail Boundary (Swanage Railway)	126	30	129	55	N	N	N	N	N	N	
SW105	BML2	Worgret Jn – Dorchester Jn	121	77	136	15	N	N	N	N	N	N	
SW105	BML3	Dorchester Jn – Weymouth	162	14	168	63	N	N	N	N	N	N	

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Line of route	ELR	Line of Route / Sector Description	M	Ch	M	Ch	319	325	377	378	380	387	
SW110	WPH1	Woking Jn – Guildford	24	62	30	27	E	H	R1 R2 R3 R4 R5 R6	N	N	R7	R1 Prohibited between Woking Junction and 29m 43ch (Guildford) R2 Class 377/1-377/5 permitted between Guildford platforms 1, 2 and 3 and SW200 (towards Effingham Jn) R3 Prohibited Guildford Down Main platform 4 R4 Prohibited Guildford Up Main platform 5 R5 Prohibited Guildford Up Ash platforms 6 and 7 R6 Prohibited Guildford Down Ash platform 8 R7 Prohibited Guildford platforms 4-8
SW110	WPH1	Guildford – Shalford Jn	30	27	31	42	E	H	R1	N	N	R2	R1 Route prohibited to Class 377/1 – 377/5 R2 Prohibited Guildford platforms 4-8
SW110	WPH1	Shalford Jn – Haslemere	31	42	42	79	E	H	R1	N	N	Y	R1 Route prohibited to Class 377/1 – 377/5
SW110	WPH1	Haslemere – Havant Jn	42	79	66	17	N	N	R1	N	N	Y	R1 Route prohibited to Class 377/1 – 377/5
SW110	TBH2	Route Boundary (Sussex SO250) (Barnham) – Havant Jn [Duplicated on SO520]	35	35	37	25	N	N	Y	N	N	Y	
SW110	WPH2	Havant Jn – Farlington Jn [Duplicated on SO520]	37	24	40	33	N	N	Y	N	N	R1	R1 Operation only permitted subject to prior agreement of the Wessex E&P RAM
SW110	WPH2	Farlington Jn – Portcreek Jn [Duplicated on SO520]	40	33	41	03	N	N	Y	N	N	R1	R1 Operation only permitted subject to prior agreement of the Wessex E&P RAM
SW110	WPH2	Portcreek Jn – Blackfriars Jn [Duplicated on SO520]	41	03	44	50	N	N	Y	N	N	R1	R1 Operation only permitted subject to prior agreement of the Wessex E&P RAM
SW110	PAS	Blackfriars Jn – Portsmouth and Southsea Low Level [Duplicated on SO520]	44	26	44	50	N	N	R1	N	N	N	R1 Route prohibited to Class 377/6 – 377/7
SW110	WPH2	Blackfriars Jn – Portsmouth and Southsea High Level [Duplicated on SO520]	44	26	44	50	N	N	R1	N	N	R2	R1 Classes 377/6 – 377/7 prohibited Portsmouth and Southsea Low Level platforms R2 Operation only permitted subject to prior agreement of the Wessex E&P RAM

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			M	Ch	M	Ch							
SW110	WPH2	Portsmouth and Southsea High Level – Portsmouth Harbour * platforms 4 and 5 RA7 * platforms 1 and 3 RA4 [Duplicated on SO520]	44	50	45	36	N	N	Y	N	N	R1	R1 Operation only permitted subject to prior agreement of the Wessex E&P RAM
SW115	BAE1	Worting Jn – Connection to Ludgershall Branch line	51	15	66	27	N	N	N	N	N	N	
SW115	LUD1	Connection to main Up line (BAE1) – Red Post Jn	66	27	67	61	N	N	N	N	N	N	
SW115	LUD2	Red Post Jn – Ludgershall	0	00	5	64	N	N	N	N	N	N	
SW115	BAE1	Connection to Ludgershall Branch line – Laverstock North Jn	66	27	82	05	N	N	N	N	N	N	
SW115	LAV	Laverstock North Jn – Laverstock South Jn	82	05	82	39	N	N	N	N	N	N	
SW115	BAE1	Laverstock North Jn – Salisbury Tunnel Jn	82	05	82	36	N	N	N	N	N	N	
SW115	BAE1	Salisbury Tunnel Jn – Fisherton Short Mile Change of Mileage	82	36	83	72	N	N	N	N	N	N	
SW115	BAE2	Fisherton Short Mile Change of Mileage – Wilton Jn	84	00	85	37	N	N	N	N	N	N	
SW115	BAE2	Wilton Jn – Gillingham	85	37	105	23	N	N	N	N	N	N	
SW115	BAE2	Gillingham – Yeovil Jn	105	23	122	48	N	N	N	N	N	N	
SW115	BAE2	Yeovil Jn – Route Boundary (GW610) (Exeter St Davids Jn)	122	48	164	30	N	N	N	N	N	N	
SW120	PAA1	Pirbright Jn – Ash Vale Jn	29	39	32	30	N	N	N	N	N	N	
SW120	PAA1	Ash Vale Jn – Change of ELR	32	30	36	75	N	N	N	N	N	N	
SW120	PAA2	Change of ELR – Connection to Farnham Depot	39	22	42	70	N	N	N	N	N	N	
SW120	PAA2	Connection to Farnham Depot – Alton	42	70	49	13	N	N	N	N	N	N	
SW125	BKE	Route Boundary GW500 (Southcote Jn) – Basingstoke	37	76	51	39	N	N	N	N	N	N	
SW130	ECR	Eastleigh East Jn – Romsey	73	35	80	47	N	N	N	N	N	N	
SW135	ETF	Eastleigh West Jn – Fareham	73	42	84	21	E	H	Y	N	N	R1	R1 Operation only permitted subject to prior agreement of the Wessex E&P RAM
SW140	SDP1	St Denys – Change of ELR	1	59	14	15	E	H	Y	N	N	R1	R1 Operation only permitted subject to prior agreement of the Wessex E&P RAM

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SW140	SDP2	Change of ELR – Fareham	84	10	84	21	E	H	Y	N	N	R1	R1 Operation only permitted subject to prior agreement of the Wessex E&P RAM
SW140	SDP2	Fareham – Quay Viaduct	84	21	84	77	E	H	Y	N	N	R1	R1 Operation only permitted subject to prior agreement of the Wessex E&P RAM
SW140	SDP2	Quay Viaduct – Cosham	84	77	90	06	E	H	Y	N	N	R1	R1 Operation only permitted subject to prior agreement of the Wessex E&P RAM
SW140	SDP2	Cosham – Cosham Jn	90	06	90	43	E	H	Y	N	N	R1	R1 Operation only permitted subject to prior agreement of the Wessex E&P RAM
SW140	SDP2	Cosham Jn – Portcreek Jn	90	43	91	01	N	N	Y	N	N	R1	R1 Operation only permitted subject to prior agreement of the Wessex E&P RAM
SW140	FJJ	Cosham Jn – Farlington Jn	90	43	91	14	N	N	Y	N	N	R1	R1 Operation only permitted subject to prior agreement of the Wessex E&P RAM
SW145	SOY	Northam Jn – Canute Road LC (AOCL) (Eastern Docks)	78	15	79	02	N	N	N	N	N	N	
SW150	RTJ1	Redbridge Jn – Romsey Jn	23	32	18	16	N	N	N	N	N	N	
SW150	RTJ2	Romsey Jn – Salisbury Tunnel Jn	80	35	96	05	N	N	N	N	N	N	
SW155	TTF	Totton – Marchwood	82	43	86	10	N	N	N	N	N	N	
SW155	TTF	Marchwood – Fawley GF	86	10	91	42	N	N	N	N	N	N	
SW160	BLP	Brockenhurst – Lymington Pier	92	66	98	15	N	N	N	N	N	N	
SW165	HAG	Hamworthy – Hamworthy Goods (Stop board)	115	77	118	05	N	N	N	N	N	N	
SW170	SAL	Wilton Jn – Route Boundary Western (GW5001) (Westbury South Jn)	132	33	115	40	N	N	N	N	N	N	
SW175	WEY	Route Boundary (GW500) (Castle Cary Jn) – Yeovil Pen Mill Jn	130	00	141	35	N	N	N	N	N	N	
SW175	YJP	Yeovil Pen Mill Jn – Yeovil Jn	1	42	0	00	N	N	N	N	N	N	
SW180	RPE	Raynes Park – Epsom (Change of ELR)	8	51	14	18	E	H	N	N	N	N	
SW180	BTH2	Route Boundary Sussex (Ewell East) – Epsom [Duplicated in SO680]	17	33	18	73	E	H	Y	N	N	Y	
SW180	BTH3	Epsom (Change of ELR) – Leatherhead [Duplicated in SO680]	14	27	18	02	E	H	Y	N	N	Y	

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SW180	BTH3	Leatherhead – Route Boundary Sussex (Horsham) [Duplicated in SW180]	18	02	21	09	E	H	Y	N	N	Y	
SW180	BTH3	Route Boundary Sussex (Leatherhead) – Horsham Jn (SO520) [Duplicated in SO680]	21	09	35	34	E	H	Y	N	N	Y	
SW185	MPC	Motspur Park – Chessington South	9	57	13	73	E R1	H R1	N	N	N	N	R1 10mph Chessington South Up sidings (former Platform line)
SW190	NMS1	New Malden – Fulwell Jn	9	62	14	53	E	H	N	N	N	N	
SW190	NMS2	Fulwell Jn – Shepperton	12	56	18	73	E	H	N	N	N	N	
SW195	HAM	Hampton Court Jn – Hampton Court Up line	13	27	14	76	E	H	N	N	N	N	
SW195	HAM	Hampton Court Jn – Hampton Court Down line	13	27	14	76	E	H	N	N	N	N	
SW200	NGL	Hampton Court Jn – Effingham Jn	13	27	21	04	E	H	N	N	N	N	
SW200	NGL	Effingham Jn – Guildford	21	04	29	70	E	H	R1 R2 R3 R4	N	N	Y	R1 Prohibited Guildford Down Main platform 4 R2 Prohibited Guildford Up Main platform 5 R3 Prohibited Guildford Up Ash platforms 6 and 7 R4 Prohibited Guildford Down Ash platform 8
SW205	LEJ	Leatherhead – Effingham Jn	18	02	22	15	E	H	Y	N	N	Y	
SW210	RDG1	Clapham Jn – Point Pleasant Jn	3	74	5	09	E	H	N	Y	N	N	
SW210	RDG1	Point Pleasant Jn – Richmond	5	09	9	57	E	H	N	Y	N	N	
SW210	RDG1	Richmond – Virginia Water	9	57	23	15	E R1	H R1	N	N	N	N	R1 20mph Staines Down platform
SW210	RDG1	Virginia Water – Wokingham Jn	23	15	36	35	N	N	N	N	N	N	
SW210	RDG2	Wokingham Jn – Reading Spur Jn	61	72	67	76	N	N	N	N	N	N	
SW210	RNJ	Reading Spur Jn – Route Boundary (GW190) (Reading New Jn)	68	00	67	76	N	N	N	N	N	N	
SW210	RDG2	Reading Spur Jn – Reading Southern Jn	67	76	68	25	N	N	N	N	N	N	
SW210	RLL	Route Boundary Western (Reading East Main Jn) – Reading Southern Jn	35	35	0	00	N	N	N	N	N	N	
SW210	RDG2	Reading Southern Jn – Reading platforms 4, 5 and 6	68	25	68	68	N	N	N	N	N	N	

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			M	Ch	M	Ch							
SW220	CKL	Latchmere Jn No.3 – Latchmere Jn No.1 [Duplicated in SO250]	2	39	2	50	Y	Y	Y	Y	N	Y	
SW220	WLL	Latchmere Jn No.1 – Latchmere Jn No.2 [Duplicated in SO250]	0	63	0	68	Y	Y	Y	Y	EH	Y	
SW220	WLL	Latchmere Jn No.2 – Kensington Olympia [Duplicated in SO250]	0	71	3	42	Y	Y	Y	Y	EH	Y	
SW225	PPW	Point Pleasant Jn – Network Rail Boundary (TfL – District Line)	5	09	5	67	E	H	N	N	N	N	
SW225	PPW	Network Rail Boundary (TfL – District Line) – Wimbledon North Jn (TfL infrastructure)	5	67	8	26	E R1	H R1	N	N	N	N	R1 10mph Wimbledon Park Down platform
SW230	HOU	Barnes – New Kew Jn	7	07	9	34	E	H	N	N	N	N	
SW230	NKE2	New Kew Jn – Route Boundary (EA1330) (Kew East Jn)	9	34	9	64	N	N	N	N	N	N	
SW230	HOU	New Kew Jn – Old Kew Jn	9	34	10	01	E	H	N	N	N	N	
SW230	BOK5	Old Kew Jn – Route Boundary (EA1330) (Kew East Jn)	3	69	3	61	N	N	N	N	N	N	
SW230	HOU	Old Kew Jn – Hounslow Jn	10	01	14	09	E	H	N	N	N	N	
SW230	HJW	Hounslow Jn – Whitton Jn	14	09	14	39	E	H	N	N	N	N	
SW230	HOU	Hounslow Jn – Feltham Jn	14	09	14	38	E	H	N	N	N	N	
SW245	TSJ	Jn (Twickenham) – Strawberry Hill Jn	11	48	12	27	E	H	N	N	N	N	
SW245	SHF	Strawberry Hill Jn – Fulwell Jn	12	27	12	56	E	H	N	N	N	N	
SW245	TSJ	Strawberry Hill Jn – Shacklegate Jn	12	27	12	58	E	H	N	N	N	N	
SW250	SWE	Staines – Windsor and Eton Riverside	19	02	25	48	E	H	N	N	N	N	
SW255	VWW	Virginia Water Jn – Addlestone Jn	24	73	19	74	E	H	N	N	N	N	
SW255	AJB	Addlestone Jn – Byfleet Jn	0	00	0	67	E	H	N	N	N	N	
SW255	VWW	Addlestone Jn – Weybridge	19	74	19	12	E	H	N	N	N	N	
SW260	AAV	Ascot – Ash Vale Jn	28	79	40	57	N	N	N	N	N	N	
SW265	GTW1	Guilford – Change of ELR	30	27	35	50	N	N	N	N	N	N	
SW265	GTW2	Change of ELR – Aldershot South Jn	48	34	50	01	N	N	N	N	N	N	
SW265	NSA	Aldershot South Jn – Aldershot North Jn	50	01	50	43	N	N	N	N	N	N	
SW265	GTW2	Aldershot South Jn – Wokingham Jn	50	01	61	74	N	N	N	N	N	N	
SW300	RSJ	Route Boundary (Sussex SO560) (Redhill) – Shalford Jn	33	10	41	62	N	N	N	N	N	N	

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