

Train Service Requirements

Wales and Borders Rail Service and South Wales Metr Saturdays TSR 1b December 2021 SO

Confidentiality	TBC
Version	Final
Date	5/23/2018

Wales and Borders Rail and South Wales Metro

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Train Service Requirement tables - Guidance notes

This note accompanies the Train Service Requirement (TSR). The TSR sets out the minimum level of service to be provided.

The TSR tables in this file relate to the standard Saturday service. Separate TSRs will be provided for:

- Weekdays
- Saturdays
- Sundays

The TSR represents the minimum number of direct services required to be operated between specified stations during a specified time interval.

The TSR also specifies the latest time at which the first train between two stations must operate, and the earliest time at which the last train between two stations must operate.

The Wales and Borders (W&B) network has been divided into nine geographic route sections:

- West of Cardiff, between Cardiff and Swansea via the South Wales Main Line (SWML) including the Maesteg branch;
- West of Swansea, comprising the SWML west of Swansea, including the Pembroke Dock and Fishguard branches
- Heart of Wales Line between Swansea and Shrewsbury;
- Cardiff Valley Lines, north of Cardiff sections;
- Cardiff Valley Lines, south of Cardiff sections, including the City Line serving Radyr and the Vale of Glamorgan Line serving Rhoose and Bridgend;
- East of Cardiff, comprising the route between Cardiff and Gloucester / Cheltenham and the Marches route between Cardiff, Chester and Manchester;
- Cambrian, between Birmingham and Aberystwyth and the Cambrian Coast line serving Pwllheli;
- North Wales, between Manchester, Llandudno and Holyhead, including the Blaenau Ffestiniog branch and services between Crewe and Chester and between Liverpool and Chester; and
- Borderlands, between Wrexham and Bidston.

Additionally, services which continue through key locations are specified in a separate worksheet titled "Through Services".

To reflect varying levels of demand over the day and consequential variations in level of service, the numbers of calls have been specified using the following time periods:

- Early morning (02:00 – 06:59);
- Morning peak (07:00 – 09:59);
- Daytime between the peaks (10:00 – 15:59);
- Evening peak (16:00 – 18:59);
- Late evening (19:00 – 21:59); and
- Night (22:00 – 01:59).

In some cases, services do not appear numerically in the tables but are included as a note in column O.

Each station on a route has the number of services specified to or from a 'key' station. The 'key' station is specified in the table header. The time intervals relate to arrival or departure times at that 'key' station. The first and last trains also relate to the arrival or departure times at the key station unless otherwise stated in

The key stations used are:

- Cardiff Central (CDF)
- Cardiff Bay (CDB)
- Swansea (SWA)
- Wrexham General (WRX)
- Shrewsbury (SHR)
- Chester (CHR)
- Carmarthen (CMN)
- Machynlleth (MCN)
- Llandudno Junction (LLJ)
- Liverpool Lime Street (LV)
- Manchester Piccadilly (MAN)
- Birmingham New Street (BHM)

Compliance and Flexibility

Services are allocated to a time band based on the exact time to the nearest full minute using "Public Times" that the service arrives or departs the key station as specified in each individual table. Services may be deemed compliant if within the specified time band or within 10 minutes earlier or later than the specified time

First and Last train times are specified using "Public Times". Services will be deemed compliant if within 10 minutes earlier or later than the specified time. Again, use of the 10 minute flex should be minimised.

Bank Holidays

On Bank Holidays a weekday service shall operate on all routes

On Christmas Day there is no requirement to run a service

On Boxing Day there is no requirement to run a service

The service level may be reduced after 19:00 on 24th December and 31st December and before 10:00 on 1st January

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The Franchise Operator shall or shall procure that on each of the following Passenger Services on-train catering facilities will be provided at the times and for the parts of such services specified below.

For the avoidance of doubt, this obligation shall apply to Passenger Services where the scheduled time of departure from the origin station is within the times set out below.

Such on-train catering facilities shall include as a minimum the provision of hot and cold drinks, sandwiches and snacks. Where a 'hot meal' is specified this must include the availability of a full cooked meal (breakfast or dinner as appropriate), which may be pre-prepared.

Birmingham - North Wales

Scheduled departures on Saturdays before 0759 to be covered from Chester to Holyhead

Scheduled departures on Saturdays 0800-0959 to be covered from Birmingham International to Shrewsbury

Scheduled departures on Saturdays 1000-1159 to be covered from Birmingham International to Holyhead

Scheduled departures on Saturdays 1200-1459 to be covered from Birmingham International to Shrewsbury and from Chester to Holyhead

Scheduled departures on Saturdays 1500-1659 to be covered from Birmingham International to Chester

North Wales - Birmingham

Scheduled departures on Saturdays between 0900 and 1559 to be covered between Holyhead and Chester

Birmingham - Aberystwyth

Scheduled departures on Saturdays between 09.00 and 18.00 to be covered Birmingham International to Aberystwyth.

Aberystwyth - Birmingham

Scheduled departures on Saturdays between 09.00 and 18.00 to be covered Aberystwyth to Birmingham International

Aberystwyth - Shrewsbury

Scheduled departures on Saturdays between 06.00 and 19.00 to be covered between Aberystwyth and Shrewsbury

Shrewsbury - Aberystwyth

Scheduled departures on Saturdays between 06.00 and 19.00 to be covered between Shrewsbury and Aberystwyth

North Wales- Manchester

Scheduled departures on Saturdays between 08.00 and 18.00 to be covered throughout

Manchester - North Wales

Scheduled departures on Saturdays between 05.00 and 18.00 to be covered throughout

North Wales - Cardiff

Scheduled departures on Saturdays between 08:00 and 18:00 to be covered Llandudno Junction to Newport. Holyhead to Llandudno Junction not required unless connecting from a ferry in Summer

Cardiff - North Wales

Scheduled departures on Saturdays between 08:00 and 18:00 to be covered Newport - Llandudno Junction. Llandudno Junction to Holyhead not required unless connecting with a ferry in Summer

Cardiff - Manchester

Scheduled departures on Saturdays between 06.30 and 18.00 to be covered from Cardiff Central to Manchester

Manchester- Cardiff

Scheduled departures on Saturdays between 06.30 and 18.00 to be covered from Manchester to Cardiff Central

Carmarthen - Swansea

Scheduled departures on Saturdays between 08:00 and 18:00 to be covered throughout

Swansea - Carmarthen

Scheduled departures on Saturdays between 08:00 and 18:00 to be covered throughout

Cardiff - Swansea

Scheduled departures on Saturdays between 06.30 and 18.00 to be covered for services which originated from Shrewsbury or beyond.

Swansea - Cardiff

Scheduled departures on Saturdays between 06.30 and 18.00 to be covered for services which run to Shrewsbury or beyond.

Milford Haven - Carmarthen

3 services per day to be covered Saturdays

Carmarthen - Milford Haven

3 services per day to be covered Saturdays

Carmarthen - Fishguard Harbour

1 service per day to be covered Saturdays

Fishguard Harbour - Carmarthen

1 service per day to be covered Saturdays

Heart of Wales

1 service in each direction between Swansea and Shrewsbury and 1 service in each direction between Swansea and Llanwytrd to be covered on Saturdays

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Services are specified in the TSR tables to and from key stations. A number of services are also required to run beyond the key station shown in the TSR table, thus providing direct links between stations elsewhere on the network. These "Through" services are detailed below:

Manchester - Shrewsbury - Cardiff Central

A minimum of 15 direct services per day shall be provided northbound between Cardiff Central and Manchester Piccadilly. As a minimum these services will call at Cardiff Central, Newport, Shrewsbury and Crewe.

A minimum of 15 direct services per day shall be provided southbound between Manchester Piccadilly and Cardiff Central. As a minimum these services will call at Crewe, Shrewsbury, Newport and Cardiff Central.

North Wales – Cardiff Central

A minimum of 7 direct services per day shall be provided northbound between Cardiff Central and Llandudno Junction. As a minimum these services will call at Newport, Shrewsbury, Wrexham and Chester.

A minimum of 7 direct services per day shall be provided southbound between Llandudno Junction and Cardiff Central. As a minimum these services will call at Chester, Wrexham, Shrewsbury and Newport

At least 7 services northbound and 7 southbound shall also extend to/from Holyhead, calling, as a minimum, at Bangor.

Swansea Extensions

12 direct services per direction per day shall be provided between Swansea and Chester or Manchester.

Birmingham – North Wales

A minimum of 6 direct services per day shall be provided northbound between Birmingham New Street and Llandudno Junction. As a minimum these services will call at Shrewsbury, Wrexham and Chester.

A minimum of 6 direct services per day shall be provided southbound between Llandudno Junction and Birmingham New Street. As a minimum these services will call at Chester, Wrexham and Shrewsbury.

At least 6 services northbound and 6 southbound shall also extend to/from Holyhead, calling, as a minimum, at Bangor.

At least 6 services northbound and 6 southbound shall also extend from/to Birmingham International.

Conwy Valley

A minimum of 5 direct services per day shall be provided northbound between Blaenau Ffestiniog and Llandudno. These services will call at all stations. One of these five may terminate at Llandudno Junction provided that there is a connection within 10 minutes for Llandudno.

A minimum of 5 direct services per day shall be provided southbound between Llandudno and Blaenau Ffestiniog. These services will call at all stations. One of these five may commence from Llandudno Junction provided that there is a connection within 10 minutes from Llandudno.

Cambrian Line

A minimum of 12 direct services per day shall be provided eastbound between Aberystwyth and Shrewsbury. As a minimum, these services shall call at Machynlleth.

A minimum of 12 direct services per day shall be provided westbound between Shrewsbury and Aberystwyth. As a minimum, these services shall call at Machynlleth.

At least 8 services westbound and 8 eastbound shall also extend from/to Birmingham New Street, calling, as a minimum, at Wolverhampton.

Of the 8 Birmingham New Street services, at least 7 services westbound and 7 eastbound shall also extend from/to Birmingham International.

A minimum of 5 direct services westbound and 4 direct services eastbound shall be provided per day between Pwllheli and Birmingham New Street. A further direct service shall be provided eastbound between Barmouth and Birmingham New Street.

As a minimum, these services shall call at Machynlleth, Shrewsbury and Wolverhampton and may join or split from Aberystwyth - Birmingham New Street services at Machynlleth.

During the winter period, the number of through services between Pwllheli and Birmingham New Street may be reduced to 3 westbound and 4 eastbound.

Manchester – North Wales

A minimum of 13 direct services per day shall be provided eastbound between Llandudno Junction and Manchester Piccadilly. As a minimum these services will call at Chester, Warrington Bank Quay and Manchester Oxford Road.

A minimum of 13 direct services per day shall be provided westbound between Manchester Piccadilly and Llandudno Junction. As a minimum these services will call at Manchester Oxford Road, Warrington Bank Quay and Chester.

At least 1 service westbound and 1 eastbound shall also extend to/from Bangor.

At least 10 services westbound/northbound and 10 eastbound/southbound shall also extend from/to Manchester Airport.

West Wales – Carmarthen – Swansea - Cardiff Central

A minimum of 16 direct services westbound shall be provided per day between Swansea and stations west of Carmarthen. Of these services:

7 shall run to Pembroke Dock, calling, as a minimum, at Tenby;

7 shall run to Milford Haven; and

2 shall run to Fishguard Harbour.

A direct service shall be provided between Swansea and Fishguard Harbour providing a connection with the afternoon ferry to Rosslare Harbour.

A direct service shall be provided between Carmarthen and Fishguard Harbour providing a connection with the nighttime ferry to Rosslare Harbour.

A minimum of 18 direct services eastbound shall be provided per day between stations west of Carmarthen and Swansea. Of these services:

7 shall run from Pembroke Dock, calling, as a minimum, at Tenby;

8 shall run from Milford Haven; and

2 shall run from Fishguard Harbour (1 service may omit a station call at Swansea)

A direct service shall be provided between Fishguard Harbour and Cardiff Central providing a connection with the morning ferry from Rosslare Harbour.

A direct service shall be provided between Fishguard Harbour and Swansea providing a connection with the evening ferry from Rosslare Harbour.

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Journey Times for Through Services

From	To	Journey times		Number of services	Public journey time (mins)	Notes
		Number of services	Public journey time (mins)			
Cardiff Central	Crewe	17	183	17	183	17 services from Cardiff Central to Crewe shall have a journey time of no more than 183 minutes
Cardiff Central	Manchester Piccadilly	16	219	16	219	16 services from Cardiff Central to Manchester Piccadilly shall have a journey time of no more than 219 minutes
Manchester Piccadilly	Cardiff Central	15	220	12	212	15 services from Manchester Piccadilly to Cardiff Central shall have a journey time of no more than 220 minutes
Crewe	Cardiff Central	17	185	13	179	17 services from Crewe to Cardiff Central shall have a journey time of no more than 185 minutes
Cardiff Central	Wrexham	8	164	6	161	8 services from Cardiff Central to Wrexham shall have a journey time of no more than 164 minutes
Cardiff Central	Chester	9	208	7	187	9 services from Cardiff Central to Chester shall have a journey time of no more than 208 minutes
Cardiff Central	Llandudno Junction	8	247	6	241	8 services from Cardiff Central to Llandudno Junction shall have a journey time of no more than 247 minutes
Cardiff Central	Bangor	7	265	6	263	7 services from Cardiff Central to Bangor shall have a journey time of no more than 265 minutes
Cardiff Central	Holyhead	7	307	6	304	7 services from Cardiff Central to Holyhead shall have a journey time of no more than 307 minutes
Holyhead	Cardiff Central	7	297	6	295	7 services from Holyhead to Cardiff Central shall have a journey time of no more than 297 minutes
Bangor	Cardiff Central	7	266	6	259	7 services from Bangor to Cardiff Central shall have a journey time of no more than 266 minutes
Llandudno Junction	Cardiff Central	7	248	6	241	7 services from Llandudno Junction to Cardiff Central shall have a journey time of no more than 248 minutes
Chester	Cardiff Central	7	186	6	182	7 services from Chester to Cardiff Central shall have a journey time of no more than 186 minutes
Wrexham	Cardiff Central	7	171	6	167	7 services from Wrexham to Cardiff Central shall have a journey time of no more than 171 minutes
Swansea	Shrewsbury	12	188	9	182	12 services from Swansea to Shrewsbury shall have a journey time of no more than 188 minutes
Swansea	Crewe	12	226	9	217	12 services from Swansea to Crewe shall have a journey time of no more than 226 minutes
Swansea	Manchester Piccadilly	12	271	10	261	12 services from Swansea to Manchester Piccadilly shall have a journey time of no more than 271 minutes
Manchester Piccadilly	Swansea	12	282	9	278	12 services from Manchester Piccadilly to Swansea shall have a journey time of no more than 282 minutes
Crewe	Swansea	14	243	12	242	14 services from Crewe to Swansea shall have a journey time of no more than 243 minutes
Shrewsbury	Swansea	14	205	11	203	14 services from Shrewsbury to Swansea shall have a journey time of no more than 205 minutes
Birmingham New Street	Wrexham	8	100	6	99	8 services from Birmingham New Street to Wrexham shall have a journey time of no more than 100 minutes
Birmingham New Street	Chester	8	121	6	118	8 services from Birmingham New Street to Chester shall have a journey time of no more than 121 minutes
Birmingham New Street	Llandudno Junction	6	176	5	173	6 services from Birmingham New Street to Llandudno Junction shall have a journey time of no more than 176 minutes
Birmingham New Street	Bangor	6	198	6	198	6 services from Birmingham New Street to Bangor shall have a journey time of no more than 198 minutes
Birmingham New Street	Holyhead	6	241	5	232	6 services from Birmingham New Street to Holyhead shall have a journey time of no more than 241 minutes
Holyhead	Birmingham New Street	7	258	6	245	7 services from Holyhead to Birmingham New Street shall have a journey time of no more than 258 minutes
Bangor	Birmingham New Street	7	209	6	206	7 services from Bangor to Birmingham New Street shall have a journey time of no more than 209 minutes
Llandudno Junction	Birmingham New Street	7	186	6	183	7 services from Llandudno Junction to Birmingham New Street shall have a journey time of no more than 186 minutes
Chester	Birmingham New Street	8	123	6	120	8 services from Chester to Birmingham New Street shall have a journey time of no more than 123 minutes
Wrexham	Birmingham New Street	7	106	7	106	7 services from Wrexham to Birmingham New Street shall have a journey time of no more than 106 minutes
Blaenau Ffestiniog	Llandudno	5	90	4	86	5 services from Blaenau Ffestiniog to Llandudno shall have a journey time of no more than 90 minutes
Llandudno	Blaenau Ffestiniog	5	86	4	84	5 services from Llandudno to Blaenau Ffestiniog shall have a journey time of no more than 86 minutes
Aberystwyth	Shrewsbury	12	119	10	113	12 services from Aberystwyth to Shrewsbury shall have a journey time of no more than 119 minutes
Aberystwyth	Birmingham New Street	8	186	6	185	8 services from Aberystwyth to Birmingham New Street shall have a journey time of no more than 186 minutes
Birmingham New Street	Aberystwyth	9	191	6	183	9 services from Birmingham New Street to Aberystwyth shall have a journey time of no more than 191 minutes
Shrewsbury	Aberystwyth	12	120	9	118	12 services from Shrewsbury to Aberystwyth shall have a journey time of no more than 120 minutes
Pwelli	Shrewsbury	5	239	4	228	5 services from Pwelli to Shrewsbury shall have a journey time of no more than 239 minutes
Pwelli	Birmingham New Street	5	312	4	302	5 services from Pwelli to Birmingham New Street shall have a journey time of no more than 312 minutes
Birmingham New Street	Pwelli	5	299	4	298	5 services from Birmingham New Street to Pwelli shall have a journey time of no more than 299 minutes
Shrewsbury	Pwelli	5	234	5	234	5 services from Shrewsbury to Pwelli shall have a journey time of no more than 234 minutes
Manchester Piccadilly	Chester	19	71	17	68	19 services from Manchester Piccadilly to Chester shall have a journey time of no more than 71 minutes
Manchester Piccadilly	Llandudno Junction	13	125	10	121	13 services from Manchester Piccadilly to Llandudno Junction shall have a journey time of no more than 125 minutes
Llandudno Junction	Manchester Piccadilly	14	132	13	124	14 services from Llandudno Junction to Manchester Piccadilly shall have a journey time of no more than 132 minutes
Chester	Manchester Piccadilly	20	76	15	65	20 services from Chester to Manchester Piccadilly shall have a journey time of no more than 76 minutes
Fishguard Harbour	Swansea	2	124	1	109	2 services from Fishguard Harbour to Swansea shall have a journey time of no more than 124 minutes
Milford Haven	Swansea	8	111	6	107	8 services from Milford Haven to Swansea shall have a journey time of no more than 111 minutes
Pembroke Dock	Swansea	8	156	6	141	8 services from Pembroke Dock to Swansea shall have a journey time of no more than 156 minutes
Swansea	Fishguard Harbour	4	167	1	98	4 services from Swansea to Fishguard Harbour shall have a journey time of no more than 167 minutes
Swansea	Milford Haven	8	129	6	117	8 services from Swansea to Milford Haven shall have a journey time of no more than 129 minutes
Swansea	Pembroke Dock	7	150	7	150	7 services from Swansea to Pembroke Dock shall have a journey time of no more than 150 minutes
Fishguard Harbour	Cardiff Central	2	183	1	155	2 services from Fishguard Harbour to Cardiff Central shall have a journey time of no more than 183 minutes
Milford Haven	Cardiff Central	8	172	6	169	8 services from Milford Haven to Cardiff Central shall have a journey time of no more than 172 minutes
Pembroke Dock	Cardiff Central	1	225	1	225	1 services from Pembroke Dock to Cardiff Central shall have a journey time of no more than 225 minutes
Cardiff Central	Fishguard Harbour	2	189	1	172	2 services from Cardiff Central to Fishguard Harbour shall have a journey time of no more than 189 minutes
Cardiff Central	Milford Haven	8	196	6	182	8 services from Cardiff Central to Milford Haven shall have a journey time of no more than 196 minutes
Cardiff Central	Pembroke Dock	3	216	3	216	3 services from Cardiff Central to Pembroke Dock shall have a journey time of no more than 216 minutes

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The following stations are to be assumed to be request stops wherever a train is nominated to stop

Abererch

Bodorgan

Broome

Builth Road

Bynea

Cilmeri

Clarbeston Road

Clunderwen

Conwy

Cynghordy

Deganwy

Dolgarrog

Dolwyddelan

Dyffryn Ardudwy

Fairfach

Ferryside

Garth (Powys)

Gilfach Fargoed (until station is closed as part of CVL transformation)

Glan Conwy

Hawarden Bridge

Hopton Heath

Johnston

Kidwelly

Kilgetty

Lamphey

Llanaber

Llanbedr

Llanbister Road

Llandanwg

Llandecwyn

Llanfairfechan

Llanfairpwll

Llangammarch

Llangennech

Llangynllo

Llwyngwrl

Morfa Mawddach

Narberth

North Llanwrst

Penally

Penhelig

Penmaenmawr

Pensarn

Pen-y-bont

Penychain

Pontarddulais

Pont-y-pant

Prees

Rhosneigr

Roman Bridge

Saundersfoot

Sugar Loaf

Talsarnau

Talybont

Tonfanau

Ty Croes

Valley

Wrenbury

Yorton

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Cardiff West Departures

Station	A	B	C	D	E	F	G	Minimum number of calls at station by W&B services departing from CDF during given timeband unless otherwise stated							Notes on additional requirements for number of calls at Station and direct links to other stations
								0200 - 0659	0700 - 0959	1000 - 1559	1600 - 1859	1900 - 2159	2200 - 0159	Total Day	
								H	I	J	K	L	M	N	
Cardiff Central	CDF							3	10	22	9	6	2	52	
Pontyclun	PYC	5:35	22:35					2	3	6	3	3	2	19	
Llanharan	LLR	5:35	22:35					2	3	6	3	3	2	19	
Pencoed	PCD	5:35	22:35					2	3	6	3	3	2	19	
Bridgend	BGN	5:35	22:35					3	10	22	9	6	2	52	Excludes services via RIA
Wildmill	WMI	5:51	21:10					1	3	6	3	3	0	16	
Sarn	SRR	5:51	21:10					1	3	6	3	3	0	16	
Tondu	TDU	5:51	21:10					1	3	6	3	3	0	16	
Garth Mid Glam	GMG	5:51	21:10					1	3	6	3	3	0	16	
Maesteg Eweny Rd	MEW	5:51	21:10					1	3	6	3	3	0	16	
Maesteg	MST	5:51	21:10					1	3	6	3	3	0	16	
Pyle	PYL	5:35	22:35					2	2	3	4	2	1	14	
Port Talbot Parkway	PTA	5:35	22:35					2	4	10	4	3	2	25	
Baglan	BAJ	5:35	22:35					2	2	3	2	1	1	11	
Briton Ferry	BNF	5:35	22:35					2	2	3	2	1	1	11	
Neath	NTH	5:35	22:35					2	4	10	4	3	2	25	
Skewen	SKE	5:35	22:35					2	2	3	2	1	1	11	
Llansamlet	LAS	5:35	22:35					2	2	3	2	1	1	11	
Swansea	SWA	5:35	22:35					2	4	10	4	3	2	25	

Journey times					
Number of services	Public journey time (mins)		Number of services	Public journey time (mins)	
P	Q	R	S	T	U
52	33	52 services from Cardiff Central to Bridgend shall have a journey time of no more than 33 minutes	41	28	Of which 41 services shall have a journey time of no more than 28 minutes
16	58	16 services from Cardiff Central to Maesteg shall have a journey time of no more than 58 minutes	14	57	Of which 14 services shall have a journey time of no more than 57 minutes
25	78	25 services from Cardiff Central to Swansea shall have a journey time of no more than 78 minutes	19	68	Of which 19 services shall have a journey time of no more than 68 minutes

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Cardiff West Arrivals

Station	A	B	C	Early arrival at CDF from Stn no later than	Late arrival at CDF from Stn no earlier than	Column unused	Column unused	Minimum number of calls at station by W&B services arriving at CDF during given timeband unless otherwise stated							Notes on additional requirements for number of calls at Station and direct links to other stations
								0200 - 0659	0700 - 0959	1000 - 1559	1600 - 1859	1900 - 2159	2200 - 0159	Total Day	
								H	I	J	K	L	M	N	
Swansea	SWA			7:45	23:25			0	4	10	5	4	2	25	
Llansamlet	LAS			8:37	23:25			0	1	3	2	1	2	9	
Skewen	SKE			8:37	23:25			0	1	3	2	1	2	9	
Neath	NTH			7:45	23:25			0	4	10	5	4	2	25	
Briton Ferry	BNF			8:37	23:25			0	1	3	2	1	2	9	
Baglan	BAJ			8:37	23:25			0	1	3	2	1	2	9	
Port Talbot Parkway	PTA			6:46	23:25			1	4	11	5	4	2	27	
Pyle	PYL			6:46	23:25			1	4	7	5	1	2	20	
Maesteg	MST			7:35	23:10			0	2	6	3	3	2	16	
Maesteg Eweny Rd	MEW			7:35	23:10			0	2	6	3	3	2	16	
Garth Mid Glam	GMG			7:35	23:10			0	2	6	3	3	2	16	
Tondu	TDU			7:35	23:10			0	2	6	3	3	2	16	
Sarn	SRK			7:35	23:10			0	2	6	3	3	2	16	
Wildmill	WMI			7:35	23:10			0	2	6	3	3	2	16	
Bridgend	BGN			6:46	23:25			1	8	22	11	8	4	54	Excludes services via RIA
Pencoed	PCD			6:46	23:10			1	3	6	3	3	2	18	
Llanharan	LLR			6:46	23:10			1	3	6	3	3	2	18	
Pontyclun	PYC			6:46	23:10			1	3	6	3	3	2	18	
Cardiff Central	CDF							1	8	22	11	8	4	54	

Journey times					
Number of services	Public Journey time (mins)		Number of services	Public Journey time (mins)	
P	Q	R	S	T	U
25	89	25 services from Swansea to Cardiff Central shall have a journey time of no more than 89 minutes	19	69	Of which 19 services shall have a journey time of no more than 69 minutes
16	63	16 services from Maesteg to Cardiff Central shall have a journey time of no more than 63 minutes	12	54	Of which 12 services shall have a journey time of no more than 54 minutes
54	47	54 services from Bridgend to Cardiff Central shall have a journey time of no more than 47 minutes	41	27	Of which 41 services shall have a journey time of no more than 27 minutes

End

Wales and Borders Rail and South Wales Metro

Saturdays TSR 1b December 2021 SO
 Confidentiality: TBC
 Version: Final
 Date: 5/23/2018

Cardiff South Departures

Station	A	B	C	D	E	F	G	Minimum number of calls at station by W&B services departing from CDF during given timeband unless otherwise stated							Notes on additional requirements for number of calls at Station and direct links to other stations
								0200 - 0659	0700 - 0959	1000 - 1559	1600 - 1859	1900 - 2159	2200 - 0159	Total Day	
								H	I	J	K	L	M	N	
Cardiff Central	CDF	dep						9	29	60	28	15	6	147	
Ninian Park	NNP			7:06	22:55			0	6	12	6	3	1	28	
Waugron Park	WNG			7:06	22:55			0	6	12	6	3	1	28	
Fairwater	FRW			7:06	22:55			0	6	12	6	3	1	28	
Danescourt	DCT			7:06	22:55			0	6	12	6	3	1	28	
Radyr	RDR			7:06	22:55			0	6	12	6	3	1	28	Stopping services on City Line via FRW only
Grange town (Cardiff)	GTN			5:20	23:30			9	23	48	22	12	5	119	
Dingle Road	DGL			6:00	23:10			3	11	24	10	6	3	57	
Penarth	PEN			6:00	23:10			3	11	24	10	6	3	57	
Cogan	CGN			5:20	23:30			6	12	24	12	6	2	62	
Eastbrook	EBK			5:20	23:30			6	12	24	12	6	2	62	
Dinas Powys	DNS			5:20	23:30			6	12	24	12	6	2	62	
Cadorton	CAD			5:20	23:30			6	12	24	12	6	2	62	
Barry Docks	BYD			5:20	23:30			6	12	24	12	6	2	62	
Barry	BRY			5:20	23:30			6	12	24	12	6	2	62	
Barry Island	BYI			5:20	23:30			4	9	18	9	3	2	45	
Rhosee Cardiff International	ARIA			5:43	21:40			2	3	6	3	3	0	17	
Llanwit Major	LWM			5:43	21:40			2	3	6	3	3	0	17	
Bridgend	BGN	arr		5:43	21:40			2	3	6	3	3	0	17	

Journey times					
Number of services	Public journey time (mins)		Number of services	Public journey time (mins)	
P	Q	R	S	T	U
28	21	28 services from Cardiff Central to Radyr shall have a journey time of no more than 21 minutes	22	19	Of which 22 services shall have a journey time of no more than 19 minutes
57	16	57 services from Cardiff Central to Penarth shall have a journey time of no more than 16 minutes	57	16	Of which 57 services shall have a journey time of no more than 16 minutes
45	31	45 services from Cardiff Central to Barry Island shall have a journey time of no more than 31 minutes	45	31	Of which 45 services shall have a journey time of no more than 31 minutes
17	61	17 services from Cardiff Central to Bridgend shall have a journey time of no more than 61 minutes	15	59	Of which 15 services shall have a journey time of no more than 59 minutes

End

Wales and Borders Rail and South Wales Metro

Saturdays TSR 1b December 2021 SO
 Confidentiality: TBC
 Version: Final
 Date: 5/23/2018

Cardiff South Arrivals

Station	A	B	C	Early arrival at CDF from Stn no later than	Late arrival at CDF from Stn no earlier than	Column unused	Column unused	Minimum number of calls at station by W&B services arriving at CDF during given timeband unless otherwise stated							Total Day	Notes on additional requirements for number of calls at Station and direct links to other stations
								0200 - 0659	0700 - 0959	1000 - 1559	1600 - 1859	1900 - 2159	2200 - 0159			
								H	I	J	K	L	M	N		
Bridgend	BGN			6:40	23:40			1	3	6	3	3	2	18		Services via RIA only
Llanwit Major	LWM			6:40	23:40			1	3	6	3	3	2	18		
Rhoose Cardiff International Air	RIA			6:40	23:40			1	3	6	3	3	2	18		
Barry Island	BYI			5:45	23:13			3	8	18	9	5	2	45		
Barry	BRY			5:45	23:40			4	11	24	12	8	4	63		
Barry Docks	BYD			5:45	23:40			4	11	24	12	8	4	63		
Cadoxton	CAD			5:45	23:40			4	11	24	12	8	4	63		
Dinas Powys	DNS			5:45	23:40			4	11	24	12	8	4	63		
Eastbrook	EBK			5:45	23:40			4	11	24	12	8	4	63		
Cogan	CGN			5:45	23:40			4	11	24	12	8	4	63		
Penarth	PEN			6:15	23:35			2	11	24	11	6	3	57		
Dingle Road	DGL			6:15	23:35			2	11	24	11	6	3	57		
Grange town (Cardiff)	GTN			5:45	23:40			6	22	48	23	14	7	120		
Radyr	RDR			7:20	22:20			0	6	12	6	3	1	28		Stopping services on City Line via FRW only
Danescourt	DCT			7:20	22:20			0	6	12	6	3	1	28		
Fairwater	FRW			7:20	22:20			0	6	12	6	3	1	28		
Waungton Park	WNG			7:20	22:20			0	6	12	6	3	1	28		
Ninian Park	NNP			7:20	22:20			0	6	12	6	3	2	29		1 service may arrive at CDF 2200-0159 from BGN via main line
Cardiff Central	CDF							6	28	60	29	17	8	148		

Journey times					
Number of services	Public journey time (mins)		Number of services	Public journey time (mins)	
P	Q	R	S	T	U
18	61	18 services from Bridgend to Cardiff Central shall have a journey time of no more than 61 minutes	16	59	Of which 16 services shall have a journey time of no more than 59 minutes
45	31	45 services from Barry Island to Cardiff Central shall have a journey time of no more than 31 minutes	34	30	Of which 34 services shall have a journey time of no more than 30 minutes
57	15	57 services from Penarth to Cardiff Central shall have a journey time of no more than 15 minutes	54	14	Of which 54 services shall have a journey time of no more than 14 minutes
28	23	28 services from Radyr to Cardiff Central shall have a journey time of no more than 23 minutes	25	18	Of which 25 services shall have a journey time of no more than 18 minutes

End

Wales and Borders Rail and South Wales Metro

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Cardiff North Departures

Station	A	B	C	D	E	F	G	Minimum number of calls at station by WBB services departing from CDF during given timeband unless otherwise stated							Notes on additional requirements for number of calls at Station and direct links to other stations
								H	I	J	K	L	M	N	
Cardiff Central	CDF							14	35	71	34	18	9	181	From May 2022, between 0700 and 1900, 2 additional services per hour shall run from CDF to CPH calling of stations. A minimum of 28 additional services per day.
Cardiff Bay	CDB				6:41	23:50		2	15	30	15	15	10	87	Services departing CDB to CDQ
Cardiff Queen St	CDQ			5:26	23:25			14	35	69	34	18	9	179	Excludes omnibus services/operations to CDB From May 2022, between 0700 and 1900, 2 additional services per hour shall run from CDF to CPH calling of stations. A minimum of 28 additional services per day.
Heath Low Level	HLL			6:00	22:30			3	6	12	6	2	1	30	
Ty Glas	TGS			6:00	22:30			3	6	12	6	2	1	30	
Bethelgreen	BEG			6:00	22:30			3	6	12	6	2	1	30	
Rhewera	RHE			6:00	22:30			3	6	12	6	2	1	30	
Whitchurch (Cardiff)	WHT			6:00	22:30			3	6	12	6	2	1	30	
Caryon	COY			6:00	22:30			3	6	12	6	2	1	30	
Heath High Level	HHL			5:47	23:15			3	11	24	11	6	3	58	From May 2022, between 0700 and 1900, 2 additional services per hour shall run from CDF to CPH calling of stations. A minimum of 28 additional services per day.
Llansamlet	LLS			5:47	23:15			3	11	24	11	6	3	58	From May 2022, between 0700 and 1900, 2 additional services per hour shall run from CDF to CPH calling of stations. A minimum of 28 additional services per day.
Llansamlet and Thornhill	LVT			5:47	23:15			3	11	24	11	6	3	58	From May 2022, between 0700 and 1900, 2 additional services per hour shall run from CDF to CPH calling of stations. A minimum of 28 additional services per day.
Caerphilly	CPH			5:47	23:15			3	11	24	11	6	3	58	From May 2022, between 0700 and 1900, 2 additional services per hour shall run from CDF to CPH calling of stations. A minimum of 28 additional services per day.
Aber	ABE			6:15	23:15			2	11	24	11	4	2	54	
Berkeley & C.R.	BCP			7:17	23:15			0	5	12	8	3	2	30	
Llantrisant	LNB			6:15	23:15			2	11	24	11	4	2	54	
Frampton Marsh	FPM			6:15	23:15			2	11	24	11	4	2	54	
Hengoed	HNG			6:15	23:35			2	11	24	10	3	1	51	
Ponem	POM			6:15	23:35			2	11	24	10	3	1	51	
Gilfach Fawgell	GFF			8:01	23:35			0	2	6	6	3	1	18	
Balgodan	BGD			6:15	23:35			2	11	24	10	3	1	51	
Brackley	BRD			7:31	23:35			0	3	6	5	3	1	18	
Ffrith	FFR			7:31	23:35			0	3	6	5	3	1	18	
Rhymney	RHT			7:31	23:35			0	3	6	5	3	1	18	
Rhymney	RHY			7:31	23:35			0	3	6	5	3	1	18	
Cyfeir	CYS			5:26	23:25			8	18	35	17	10	5	91	
Llantrisant	LLN			5:26	23:25			7	18	35	17	10	5	90	
Radyr	RDR			5:26	23:25			8	18	35	17	10	5	91	
Traffalgar	TAF			5:26	23:25			8	18	35	17	10	5	91	Excludes stopping services on City Line via FRW
Trafalgar Estate	TRE			5:26	23:25			4	5	12	5	3	1	30	
Treforest	TRF			5:26	23:25			7	18	35	17	10	5	91	
Pontypridd	PPD			5:26	23:25			7	18	35	17	10	5	91	1 additional call to be provided by a service departing PPD 1000-1539
Trehafod	TRH			6:36	22:45			1	6	12	6	3	2	30	
Porth	POR			6:36	22:45			1	6	12	6	3	2	30	
Dinas Mawddwy	DMG			6:36	22:45			1	6	12	6	3	2	30	
Toppenny	TOP			6:36	22:45			1	6	12	6	3	2	30	
Llantrisant	LLY			6:36	22:45			1	6	12	6	3	2	30	
Yard Rhondda	YRH			6:36	22:45			1	6	12	6	3	2	30	
Ton Pentre	TPT			6:36	22:45			1	6	12	6	3	2	30	
Treorchy	TRY			6:36	22:45			1	6	12	6	3	2	30	
Ystrad	YTW			6:36	22:45			1	6	12	6	3	2	30	
Treherbert	TRH			6:36	22:45			1	6	12	6	3	2	30	
Aberystwyth	ACY			5:26	22:40			6	11	22	10	7	2	58	1 additional call to be provided by a service departing PPD 1000-1539
Porthkerry	PKR			6:00	22:40			3	6	10	5	4	1	29	
Mountain Ash	MTA			6:00	22:40			3	6	10	5	4	1	29	
Ferndale	FER			6:00	22:40			3	6	10	5	4	1	29	
Cardbach	CRB			6:00	22:40			3	6	10	5	4	1	29	
Aberdare	ABA			6:00	22:40			3	6	10	5	4	1	29	
Quakers Yard	QYD			5:26	22:25			4	5	12	5	3	1	30	1 additional call to be provided by a service departing PPD 1000-1539
Merthyr Vale	MVY			5:26	22:25			4	5	12	5	3	1	30	1 additional call to be provided by a service departing PPD 1000-1539
Treod Y Rhwng	TRD			5:26	22:25			4	5	12	5	3	1	30	1 additional call to be provided by a service departing PPD 1000-1539
Pentrebach	PTB			5:26	22:25			4	5	12	5	3	1	30	1 additional call to be provided by a service departing PPD 1000-1539
Merthyr Tydfil	MRT			5:26	22:25			4	5	12	5	3	1	30	1 additional call to be provided by a service departing PPD 1000-1539

End

Number of services	Public journey time (minutes)	Journey times					Number of services	Public journey time (minutes)	
		P	Q	R	S	T			U
179	6	179 services from Cardiff Central to Cardiff Queen St shall have a journey time of no more than 6 minutes					177	5	Of which 177 services shall have a journey time of no more than 5 minutes
30	25	30 services from Cardiff Central to Caryon shall have a journey time of no more than 25 minutes					29	23	Of which 29 services shall have a journey time of no more than 23 minutes
58	26	58 services from Cardiff Central to Caerphilly shall have a journey time of no more than 26 minutes					50	27	Of which 50 services shall have a journey time of no more than 27 minutes
51	51	51 services from Cardiff Central to Balgodan shall have a journey time of no more than 51 minutes					40	48	Of which 40 services shall have a journey time of no more than 48 minutes
18	68	18 services from Cardiff Central to Rhymney shall have a journey time of no more than 68 minutes					16	64	Of which 16 services shall have a journey time of no more than 64 minutes
92	46	92 services from Cardiff Central to Pontypridd shall have a journey time of no more than 46 minutes					87	32	Of which 87 services shall have a journey time of no more than 32 minutes
30	82	30 services from Cardiff Central to Treherbert shall have a journey time of no more than 82 minutes					28	67	Of which 28 services shall have a journey time of no more than 67 minutes
29	78	29 services from Cardiff Central to Aberdare shall have a journey time of no more than 78 minutes					28	67	Of which 28 services shall have a journey time of no more than 67 minutes
30	65	30 services from Cardiff Central to Merthyr Tydfil shall have a journey time of no more than 65 minutes					30	65	Of which 30 services shall have a journey time of no more than 65 minutes

Wales and Borders Rail and South Wales Metro

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Cardiff North Arrivals

Station	A	B	C	D	E	F	G	Minimum number of calls at station by W&B services arriving at CDF during given timeband unless otherwise stated							Total Day	Notes on additional requirements for number of calls at Station and direct links to other stations
								0300-0659	0700-0959	1000-1559	1600-1859	1900-2159	2200-0159			
Merthyr Tydfil	MEH	7:40	23:40					0	5	11	6	5	2	29	I additional call to be provided by an additional service from MER to WPD departing MER 1000-1559	
Penmaenbach	PFB	7:40	23:40					0	5	11	6	5	2	29	I additional call to be provided by an additional service from MER to WPD departing MER 1000-1559	
Tycoed Y Rhos	TRE	7:40	23:40					0	5	11	6	5	2	29	I additional call to be provided by an additional service from MER to WPD departing MER 1000-1559	
Merthyr Vale	MEV	7:40	23:40					0	5	11	6	5	2	29	I additional call to be provided by an additional service from MER to WPD departing MER 1000-1559	
Quakers Yard	QYD	7:40	23:40					0	5	11	6	5	2	29	I additional call to be provided by an additional service from MER to WPD departing MER 1000-1559	
Aberdare	ABA	7:55	23:57					0	6	10	6	5	1	28	I additional call to be provided by an additional service from ABA to WPD departing MER 1000-1559	
Cambach	CHM	7:55	23:57					0	6	10	6	5	1	28	I additional call to be provided by an additional service from ABA to WPD departing MER 1000-1559	
Fenniell	FRM	7:55	23:57					0	6	10	6	5	1	28	I additional call to be provided by an additional service from ABA to WPD departing MER 1000-1559	
Mountain Ash	MFA	7:55	23:57					0	6	10	6	5	1	28	I additional call to be provided by an additional service from ABA to WPD departing MER 1000-1559	
Penllewaber	PBR	7:55	23:57					0	6	10	6	5	1	28	I additional call to be provided by an additional service from ABA to WPD departing MER 1000-1559	
Maerdyon	ACT	7:55	23:40					0	11	22	12	11	3	59	I additional call to be provided by an additional service from ABA to WPD departing MER 1000-1559	
Trehafod	TRE	6:50	22:30					1	6	12	6	5	1	31	2 additional calls to be provided by additional services, one departing MER 1000-1559 and one departing ABA 1200-0159	
Yrizen	YNY	6:50	22:30					1	6	12	6	5	1	31		
Tycoed	TYT	6:50	22:30					1	6	12	6	5	1	31		
Ton Penryn	TPN	6:50	22:30					1	6	12	6	5	1	31		
Yard Rhonda	YRK	6:50	22:30					1	6	12	6	5	1	31		
Llanymynech	LYM	6:50	22:30					1	6	12	6	5	1	31		
Tongwynn	TNP	6:50	22:30					1	6	12	6	5	1	31		
Dinas Mawddoch	DMG	6:50	22:30					1	6	12	6	5	1	31		
Porth	POK	6:50	22:30					1	6	12	6	5	1	31		
Trehafod	TRM	6:50	22:30					1	6	12	6	5	1	31		
Portgildred	PRD	5:50	21:40					2	17	35	18	16	4	92	2 additional calls to be provided by additional services, one departing MER 1000-1559 and one departing ABA 1200-0159	
Treforest	TRF	5:50	21:40					2	17	35	18	16	4	92		
Treforest Estate	TRE	5:50	21:40					1	5	11	6	5	2	30		
Taf Wael	TAF	5:50	21:40					2	18	35	18	16	4	92		
Radyr	RDY	5:50	21:40					2	17	35	18	16	5	93	Excludes stopping services on City Line via FRW	
Llanstffyllon	LST	5:50	21:40					2	17	35	18	16	5	91		
Cathays	CYS	5:50	21:40					2	17	35	18	16	5	91		
Rhymney	RHY	7:10	22:34					0	6	6	3	2	1	18		
Pontypool	POT	7:10	22:34					0	6	6	3	2	1	18		
The Pill	TRP	7:10	22:34					0	6	6	3	2	1	18		
Brackin	BRC	7:10	22:34					0	6	6	3	2	1	18		
Burgod	BGD	7:10	22:34					0	12	24	11	3	1	51		
Giffish Fargod	GFF	7:10	22:34					0	6	6	3	3	1	19		
Beegon	BEG	7:10	22:34					0	12	24	11	3	1	51		
Hengoed	HNG	7:10	22:34					0	12	24	11	3	1	51		
Ystrad Mynach	YMY	7:10	22:34					0	12	24	11	4	2	53		
Llantrisant	LNT	7:10	22:34					0	12	24	11	3	2	52		
Brengyn A C Rk	BRC	7:10	22:34					0	7	12	6	2	1	28		
Maerdyon	MAR	7:10	22:34					0	12	24	11	3	2	55		
Carephilly	CRP	6:30	22:44					1	12	24	11	5	3	56	From May 2022, between 0700 and 1900, 2 additional services per hour shall run from CRP to CDF calling of stations. A minimum of 28 additional services per day.	
Llanwen and Thornhill	LVT	6:30	22:34					1	12	24	11	5	2	55	From May 2022, between 0700 and 1900, 2 additional services per hour shall run from LVT to CDF calling of stations. A minimum of 28 additional services per day.	
Llanwen	LWS	6:30	22:34					1	12	24	11	5	2	55	From May 2022, between 0700 and 1900, 2 additional services per hour shall run from LWS to CDF calling of stations. A minimum of 28 additional services per day.	
Heath High Level	HHL	6:30	22:34					1	12	24	11	5	2	55	From May 2022, between 0700 and 1900, 2 additional services per hour shall run from HHL to CDF calling of stations. A minimum of 28 additional services per day.	
Coyon	COY	7:05	23:05					0	6	12	6	4	1	29	I additional call to be provided by an additional service from COY to CDF calling of stations. A minimum of 28 additional services per day.	
Whitcomb (Cardiff)	WHT	7:05	23:05					0	6	12	6	4	1	29	I additional call to be provided by an additional service from COY to CDF calling of stations. A minimum of 28 additional services per day.	
Rhoadens	RHD	7:05	23:05					0	6	12	6	4	1	29	I additional call to be provided by an additional service from COY to CDF calling of stations. A minimum of 28 additional services per day.	
Bodgryn	BOD	7:05	23:05					0	6	12	6	4	1	29	I additional call to be provided by an additional service from COY to CDF calling of stations. A minimum of 28 additional services per day.	
Ty Glas	TGS	7:05	23:05					0	6	12	6	4	1	29	I additional call to be provided by an additional service from COY to CDF calling of stations. A minimum of 28 additional services per day.	
Heath Low Level	HLL	7:05	23:05					0	6	12	6	4	1	29	I additional call to be provided by an additional service from COY to CDF calling of stations. A minimum of 28 additional services per day.	
Cardiff Queen St	CQS	5:50	0:05					3	35	69	35	25	10	177	Excludes arrivals from CDB. From May 2022, between 0700 and 1900, 2 additional services per hour shall run from CQS to CDF calling of stations. A minimum of 28 additional services per day.	
Cardiff Bay	CDB			6:40	23:50			2	15	30	15	15	10	87	Services arriving at CDB from CDF	
Cardiff Central	CCF							3	35	71	35	25	10	179	From May 2022, between 0700 and 1900, 2 additional services per hour shall run from CCF to CDF calling of stations. A minimum of 28 additional services per day.	

Journey times					
Number of services	Public journey time (mins)		Number of services	Public journey time (mins)	
P	Q	R	S	T	U
29	64	29 services from Merthyr Tydfil to Cardiff Central shall have a journey time of no more than 64 minutes	25	63	Of which 25 services shall have a journey time of no more than 63 minutes
28	65	28 services from Aberdare to Cardiff Central shall have a journey time of no more than 65 minutes	25	64	Of which 25 services shall have a journey time of no more than 64 minutes
31	80	31 services from Trehafod to Cardiff Central shall have a journey time of no more than 80 minutes	24	65	Of which 24 services shall have a journey time of no more than 65 minutes
92	35	92 services from Portgildred to Cardiff Central shall have a journey time of no more than 35 minutes	88	34	Of which 88 services shall have a journey time of no more than 34 minutes
18	67	18 services from Rhymney to Cardiff Central shall have a journey time of no more than 67 minutes	16	64	Of which 16 services shall have a journey time of no more than 64 minutes
51	50	51 services from Burgod to Cardiff Central shall have a journey time of no more than 50 minutes	46	46	Of which 46 services shall have a journey time of no more than 46 minutes
56	25	56 services from Carephilly to Cardiff Central shall have a journey time of no more than 25 minutes	52	21	Of which 52 services shall have a journey time of no more than 21 minutes
29	22	29 services from Coyon to Cardiff Central shall have a journey time of no more than 22 minutes	23	21	Of which 23 services shall have a journey time of no more than 21 minutes
177	6	177 services from Cardiff Queen St to Cardiff Central shall have a journey time of no more than 6 minutes	125	4	Of which 125 services shall have a journey time of no more than 4 minutes

End

Wales and Borders Rail and South Wales Metro

Saturdays TSR 1b December 2021 SO
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 Date: 5/23/2018

Borderlands Departures

Station	A	B	C	D	E	F	G	Minimum number of calls at station by W&B services departing from WRX during given timeband unless otherwise stated							Total Day	Notes on additional requirements for number of calls at Station and direct links to other stations
								H	I	J	K	L	M	N		
Wrexham Central	WXC					7:30	21:55	1	6	12	6	1	1	27	This row is based on arrival times at WRX	
Wrexham General	WRX							2	6	12	6	1	1	28		
Gwersyllt	GWE	6:30	21:55					2	6	12	6	1	1	28		
Cefn Y Bedd	CYB	6:36	21:55					1	3	6	3	1	1	15		
Caergwrle	CGW	6:36	21:55					1	3	6	3	1	1	15		
Hope Clwyd	HPE	6:36	21:55					1	3	6	3	1	1	15		
Perryfordd	PNF	6:36	21:55					1	3	6	3	1	1	15		
Buckley	BCK	6:30	21:55					2	6	12	6	1	1	28		
Hawarden	HWD	6:36	21:55					1	3	6	3	1	1	15		
Shotton	SHT	6:30	21:55					2	6	12	6	1	1	28		
Hawarden Bridge	HWB	6:36	18:24					5 station calls per day							5	
Neston	NES	6:30	21:55					2	6	12	6	1	1	28		
Heswall	HSW	6:30	21:55					2	6	12	6	1	1	28		
Llorton Merseyside	LPT	6:30	21:55					2	6	12	6	1	1	28		
Bidston	BID	6:30	21:55					2	6	12	6	1	1	28		

Journey times					
Number of services	Public journey time (mins)		Number of services	Public journey time (mins)	
P	Q	R	S	T	U
28	59	28 services from Wrexham General to Bidston shall have a journey time of no more than 59 minutes	27	57	Of which 27 services shall have a journey time of no more than 57 minutes

End

Wales and Borders Rail and South Wales Metro

Saturdays TSR 1b December 2021 SO
 Confidentiality: TBC
 Version: Final
 Date: 5/23/2018

Borderlands Arrivals

Station	A	B	C	Early arrival at WRX from Stn no later than D	Late arrival at WRX from Stn no earlier than E	Early departure from WRX to Stn no later than F	Late departure from WRX to Stn no earlier than G	Minimum number of calls at station by W&B services arriving at WRX during given timeband unless stated otherwise							Total Day N	Notes on additional requirements for number of calls at Station and direct links to other stations O
								H 0200 - 0659	I 0700 - 0959	J 1000 - 1559	K 1600 - 1859	L 1900 - 2159	M 2200 - 0159			
Bidston	BID			8:25	23:49			0	5	12	6	4	1	28		
Upton Merseyside	UPT			8:25	23:49			0	5	12	6	4	1	28		
Heswall	HSW			8:25	23:49			0	5	12	6	4	1	28		
Neston	NES			8:25	23:49			0	5	12	6	4	1	28		
Hawarden Bridge	HWB			8:25	18:40			5 station calls per day					5			
Shotton	SHT			8:25	23:49			0	5	12	6	4	1	28		
Hawarden	HWD			8:25	23:49			0	3	6	3	2	1	15		
Buckley	BCK			8:25	23:49			0	5	12	6	4	1	28		
Penyffordd	PNF			8:25	23:49			0	3	6	3	2	1	15		
Hope Clwyd	HPE			8:25	23:49			0	3	6	3	2	1	15		
Caerwrie	CGW			8:25	23:49			0	3	6	3	2	1	15		
Cefn Y Bedd	CYB			8:25	23:49			0	3	6	3	2	1	15		
Gwersyllt	GWE			8:25	23:49			0	5	12	6	4	1	28		
Wrexham General	WRX							0	5	12	6	4	1	28		
Wrexham Central	WXC					6:30	21:54	2	6	12	6	3	0	29	This row based on WRX departures	

Journey times					
Number of services	Public journey time (mins)		Number of services	Public journey time (mins)	
P	Q	R	S	T	U
28	56	28 services from Bidston to Wrexham General shall have a journey time of no more than 56 minutes	22	54	Of which 22 services shall have a journey time of no more than 54 minutes

End

Wales and Borders Rail and South Wales Metro
 Sunday 15 December 2021 SO
 Confidentiality: TBC
 Version: Final
 Date: 15/12/2018

Cardiff East Departures

Station	A	B	C	D	E	F	G	Minimum number of calls at station by W&B services departing from CDF during given timeband unless otherwise stated							Total Days	Notes on additional requirements for number of calls at Station and direct links to other stations
								0200 - 0459	0700 - 0959	1000 - 1259	1300 - 1559	1600 - 1859	1900 - 2159	2200 - 0159		
								H	I	J	K	L	M	N		
Cardiff Central	CDF							6	10	31	11	8	4	60		
Pat Center	PTE	635	2324					1	3	6	3	3	2	18		
Figgs Cross	FIG	635	2324					1	3	6	3	3	2	18		
Rica & Pontreborer	RCA	635	2324					1	3	6	3	3	2	18		
Crosskeys	CKY	635	2324					1	3	6	3	3	2	18		
Newbridge	NBE	635	2324					1	3	6	3	3	2	18		
Llanfilieth	LTH	635	2324					1	3	6	3	3	2	18		
Elbow Vale Parkway	EPV	635	2324					1	3	6	3	3	2	18		
Elbow Vale Town	EBT	635	2324					1	3	6	3	3	2	18		
Newport Gwent	NWP	635	2318					5	7	15	8	5	2	42	Between 0700 and 2200, 7 additional services per hour shall run from EBT to NWP, calling of stations. A minimum of 14 additional services per day.	
Seven Tunnels Junction	STJ	610	2318					1	2	4	3	1	1	12		
Catston	CDT	610	2318					1	2	4	3	1	1	12		
Chapman	CPW	610	2318					1	2	4	3	1	1	12		
Lerbury	LTD	610	2318					1	2	4	3	1	1	12		
GloUCEster	GCR	610	2318					1	2	4	3	1	1	12		
Cheltenham Spa	CHS	610	1808					1	2	3	3	0	0	9		
Cirencester	CWH	635	2155					4	5	9	5	4	0	27		
Pontypool New Inn	PNI	635	2155					3	2	4	4	3	0	16		
Magor	AGV	635	2155					4	5	9	5	4	0	27		
Hereford	HFD	635	2155					4	5	9	4	4	0	26		
Leominster	LEO	635	2055					4	3	7	3	3	0	20		
Ludlow	LUD	635	2055					4	5	9	4	3	0	25		
Cleaver Arms	CAV	635	2055					4	3	5	3	3	0	19	Excludes services via P&W Line	
Church Stretton	CTS	635	2055					4	3	6	3	3	0	19	Excludes services via P&W Line	
Shrewsbury	SHR	635	2055					4	5	9	4	3	0	25	Excludes services via P&W Line	

Journey times				
Number of services	Public journey time (mins)		Number of services	Public journey time (mins)
P	Q	R	S	T
18	65	18 services from Cardiff Central to Elbow Vale Town shall have a journey time of no more than 65 minutes	16	64
42	20	42 services from Cardiff Central to Newport Gwent shall have a journey time of no more than 20 minutes	33	18
12	84	12 services from Cardiff Central to Gloucester shall have a journey time of no more than 84 minutes	10	76
9	90	9 services from Cardiff Central to Cheltenham Spa shall have a journey time of no more than 90 minutes	7	89
27	75	27 services from Cardiff Central to Hereford shall have a journey time of no more than 75 minutes	21	68
25	132	25 services from Cardiff Central to Shrewsbury shall have a journey time of no more than 132 minutes	20	126

Station	A	B	C	D	E	F	G	Minimum number of calls at station by W&B services departing from SHR during given timeband unless otherwise stated							Total Days	Notes on additional requirements for number of calls at Station and direct links to other stations
								0200 - 0459	0700 - 0959	1000 - 1259	1300 - 1559	1600 - 1859	1900 - 2159	2200 - 0159		
								H	I	J	K	L	M	N		
Shrewsbury	SHR							2	3	4	3	3	3	20		
Colwyn	COB	523	2333					2	3	6	3	3	2	19		
CRK	CRK	523	2333					2	3	6	3	3	2	19		
Ridgeway	RJA	523	2333					2	3	6	3	3	2	19		
Whitton General	WRK	523	2333					2	3	6	3	3	2	19	1 additional service to be provided between WRK and CTR, serving CTR 1900-2159	
Cheser	CTR							2	3	6	3	3	3	20	1 additional service to be provided between SHR and CTR, serving CTR 1900-2159. 1 additional service to be provided between SHR and CTR via CNE. Each service may be provided within the quantum of services between SHR and LDE and between LDE and CTR specified elsewhere in this TSI.	
Shrewsbury	SHR							2	4	9	5	3	3	26		
Trean	YET	545	2330					1	1	3	2	1	3	11		
Wem	WEM	545	2330					2	2	3	2	1	3	13		
Prees	PRE	545	2330					1	1	3	2	1	3	11		
Whitchurch Salop	WTC	545	2330					2	4	7	3	2	3	21		
Wynbury	WRE	545	2330					1	1	3	2	1	3	11		
Hannath	HAN	545	2330					2	4	7	3	2	3	21		
Crewes	CRE	545	2330					1	4	9	5	3	3	26	One additional service to MAN departing CRE 0200-0639 to be provided	
Wilton	WPL	646	2219					1	3	6	3	2	1	16	One additional service to MAN departing CRE 0200-0639 to be provided	
Stockport	SPT	646	2219					1	3	6	3	2	1	16	One additional service to MAN departing CRE 0200-0639 to be provided	
Manchester Piccadilly	MAN	646	2219	B07	1345			1	3	6	3	2	1	17	One additional service to MAN departing CRE 0200-0639 to be provided	

Journey times				
Number of services	Public journey time (mins)		Number of services	Public journey time (mins)
P	Q	R	S	T
19	40	19 services from Shrewsbury to Whitton General shall have a journey time of no more than 40 minutes	16	39
20	77	20 services from Shrewsbury to Cheser shall have a journey time of no more than 77 minutes	12	59
26	58	26 services from Shrewsbury to Crewes shall have a journey time of no more than 58 minutes	20	55
17	122	17 services from Shrewsbury to Manchester Piccadilly shall have a journey time of no more than 122 minutes	13	87

End

Wales and Borders Rail and South Wales Metro

Security: TR 15 December 2021 SO
 Confidentiality: TBC
 Version: Final
 Date: 02/12/2018

Cardiff East Arrivals

Station	A	B	C	D	E	F	G	Minimum number of calls at station by WAB services arriving at CDF during given timeband unless otherwise stated							Notes on additional requirements for number of calls at Station and direct links to other stations
								0300-0659	0700-0959	1000-1559	1600-1859	1900-2159	2200-0159	Total Day	
Shrewsbury	SHR			7:56	0:05			0	5	9	4	4	3	25	Excludes services via P&W Line Excludes services via P&W Line Excludes services via P&W Line
Church Stretton	CTT			7:56	0:05			0	4	6	3	3	3	19	
Crewe Arms	CRK			7:56	0:05			0	5	9	4	4	3	25	
Ludlow	LUD			7:56	0:05			0	5	9	4	4	3	25	
Leominster	LEO			7:56	0:05			0	5	6	3	2	3	19	
Hereford	HER			6:55	0:35			1	5	9	4	4	4	27	
Abergystwyth	AGV			6:55	0:35			1	5	9	4	4	4	27	
Pontypool New Inn	PNL			6:55	0:05			1	4	3	1	2	2	13	
Chester	CHS			6:55	0:35			1	5	9	4	4	4	27	
Cheltenham Spa	CHM			9:15	2:08			0	1	4	1	3	0	9	
Gloscester	GCS			7:05	0:35			0	2	5	1	3	1	12	
Lydell	LYD			7:05	0:35			0	2	5	1	3	1	12	
Chipsow	CPW			7:05	0:35			0	2	5	1	3	1	12	
Colfior	COF			7:05	0:35			0	2	5	1	3	1	12	
Seven Tunnels Junction	STJ			7:05	0:35			0	2	5	1	3	1	12	
Newport Gwent	NWP			6:55	0:35			1	2	16	5	7	7	43	
Elbow Vale Town	EBT			7:35	0:07			0	3	6	3	3	4	19	
Elbow Vale Parkway	EBV			7:35	0:07			0	3	6	3	3	4	19	
Llanfihoch	LTH			7:35	0:07			0	3	6	3	3	4	19	
Newbridge	NBE			7:35	0:07			0	3	6	3	3	4	19	
Crosskeys	CKY			7:35	0:07			0	3	6	3	3	4	19	
Bucks & Pongwys	BKA			7:35	0:07			0	3	6	3	3	4	19	
Rugstone	RGR			7:35	0:07			0	3	6	3	3	4	19	
Pye Corner	PYE			7:35	0:07			0	3	6	3	3	4	19	
Cardiff Central	CCF							1	10	32	8	10	11	62	

Journey times										
Number of services	Public journey time (mins)						Number of services	Public journey time (mins)		
		P	Q	R	S	T			U	
25	143	25 services from Shrewsbury to Cardiff Central shall have a journey time of no more than 143 minutes					20	136	Of which 20 services shall have a journey time of no more than 136 minutes	
27	84	27 services from Hereford to Cardiff Central shall have a journey time of no more than 84 minutes					21	78	Of which 21 services shall have a journey time of no more than 78 minutes	
9	92	9 services from Cheltenham Spa to Cardiff Central shall have a journey time of no more than 92 minutes					7	88	Of which 7 services shall have a journey time of no more than 88 minutes	
12	91	12 services from Gloscester to Cardiff Central shall have a journey time of no more than 91 minutes					9	76	Of which 9 services shall have a journey time of no more than 76 minutes	
41	28	41 services from Newport Gwent to Cardiff Central shall have a journey time of no more than 28 minutes					33	22	Of which 33 services shall have a journey time of no more than 22 minutes	
17	64	17 services from Elbow Vale Town to Cardiff Central shall have a journey time of no more than 64 minutes					14	62	Of which 14 services shall have a journey time of no more than 62 minutes	

Station	A	B	C	D	E	F	G	Minimum number of calls at station by WAB services arriving at SHR during given timeband unless otherwise stated							Notes on additional requirements for number of calls at Station and direct links to other stations
								0300-0659	0700-0959	1000-1559	1600-1859	1900-2159	2200-0159	Total Day	
Chester	CTR			7:18	23:24			0	3	6	3	3	2	17	1 additional service to be provided between CTR and WRK, departing CTR 0300-0659 1 additional service to be provided between CTR and WRK, departing CTR 0300-0659
Wrexham General	WRK			7:18	23:24			0	3	6	3	3	2	17	
Rushall	RUA			7:18	23:24			0	3	6	3	3	2	17	
Cluck	CLK			7:18	23:24			0	3	6	3	3	2	17	
Gobowen	GGB			7:18	23:24			0	3	6	3	3	2	17	
Shrewsbury	SHR							0	3	6	3	3	2	17	
Manchester Piccadilly	MAN			7:48	0:05			0	3	6	3	3	2	17	
Sedgley	SPT			7:48	0:05			0	3	6	3	3	2	17	
Widnall	WHL			7:48	0:05			0	3	6	3	3	2	17	
Crewe	CRE			5:35	0:05			2	4	9	5	3	2	25	
Nantwich	NAN			5:35	0:05			2	3	5	5	3	2	20	
Wrenbury	WRE			6:43	0:05			1	1	3	2	2	2	11	
Whitchurch Jct	WTC			5:35	0:05			2	3	6	6	3	2	26	
Preston	PRE			6:43	0:05			1	1	3	2	2	2	11	
Wem	WEM			5:35	0:05			3	2	3	2	3	2	14	
Tyton	TYT			6:43	0:05			1	1	3	2	2	2	11	
Shrewsbury	SHR							2	4	9	5	3	2	25	

Journey times										
Number of services	Public journey time (mins)						Number of services	Public journey time (mins)		
		P	Q	R	S	T			U	
17	62	17 services from Chester to Shrewsbury shall have a journey time of no more than 62 minutes					16	58	Of which 16 services shall have a journey time of no more than 58 minutes	
17	45	17 services from Wrexham General to Shrewsbury shall have a journey time of no more than 45 minutes					16	43	Of which 16 services shall have a journey time of no more than 43 minutes	
17	93	17 services from Manchester Piccadilly to Shrewsbury shall have a journey time of no more than 93 minutes					13	84	Of which 13 services shall have a journey time of no more than 84 minutes	
25	63	25 services from Crewe to Shrewsbury shall have a journey time of no more than 63 minutes					20	53	Of which 20 services shall have a journey time of no more than 53 minutes	

End

Wales and Borders Rail and South Wales Metro

Saturdays TSR 1b December 2021 SO
 Confidentiality: TBC
 Version: Final
 Date: 5/23/2018

Swansea West Departures

Station	A	B	C	Early departure from SWA to Stn no later than	Late departure from SWA to Stn no earlier than	Column unused	Column unused	Minimum number of calls at station by W&B services departing from SWA during given timeband unless otherwise stated							Notes on additional requirements for number of calls at Station and direct links to other stations
								0200 - 0659	0700 - 0959	1000 - 1559	1600 - 1859	1900 - 2159	2200 - 0159	Total Day	
								H	I	J	K	L	M	N	
Swansea	SWA							2	2	9	7	4	4	28	Excludes services via HoW Line
Gowerton	GWN			5:45	0:10			2	2	6	7	3	4	24	Excludes services via HoW Line
Llanelli	LLE			5:45	0:10			2	2	9	7	4	4	28	1 additional call to be provided by additional services from CDF, departing CDF 1900-2159; Excludes services via HoW Line
Pembrey & Burry Port	PBY			5:45	0:10			2	2	8	6	4	4	26	1 additional call to be provided by additional service from CDF departing CDF 1900-2159
Kidwelly	KWL			5:45	0:10			2	2	3	5	2	4	18	1 additional call to be provided by additional service from CDF departing CDF 1900-2159
Ferryside	FYS			5:45	0:10			2	2	3	5	2	4	18	1 additional call to be provided by additional service from CDF departing CDF 1900-2159
Carmarthen	CMN			5:45	0:10			2	2	8	6	4	4	26	1 additional call to be provided by additional service from CDF departing CDF 1900-2159

Journey times					
Number of services	Public journey time (mins)		Number of services	Public journey time (mins)	
P	Q	R	S	T	U
28	22	28 services from Swansea to Llanelli shall have a journey time of no more than 22 minutes	24	21	Of which 24 services shall have a journey time of no more than 21 minutes
26	59	26 services from Swansea to Carmarthen shall have a journey time of no more than 59 minutes	20	55	Of which 20 services shall have a journey time of no more than 55 minutes

Station	A	B	C	Early departure from CMN to Stn no later than	Late departure from CMN to Stn no earlier than	Column unused	Column unused	Minimum number of calls at station by W&B services departing from CMN during given timeband unless otherwise stated							Notes on additional requirements for number of calls at Station and direct links to other stations
								0200 - 0659	0700 - 0959	1000 - 1559	1600 - 1859	1900 - 2159	2200 - 0159	Total Day	
								H	I	J	K	L	M	N	
Carmarthen	CMN							5	3	6	3	4	1	22	
Whitland	WTL			5:50	22:05			5	3	6	3	4	1	22	1 additional call to be provided by an additional service to FGH, departing SWA 1000-1559
Narberth	NAR			6:40	21:00			2	1	3	1	2	0	9	
Kilgetty	KGT			6:40	21:00			2	1	3	1	2	0	9	
Saundersfoot	SDF			6:40	21:00			2	1	3	1	2	0	9	
Tenby	TEN			6:40	21:00			2	1	3	1	2	0	9	
Penally	PNA			6:40	21:00			2	1	3	1	2	0	9	
Manorbier	MRB			6:40	21:00			2	1	3	1	2	0	9	
Lamphey	LAM			6:40	21:00			2	1	3	1	2	0	9	
Pembroke	PMB			6:40	21:00			2	1	3	1	2	0	9	
Pembroke Dock	PMD			6:40	21:00			2	1	3	1	2	0	9	
Clunderwen	CUW			5:50	22:05			3	3	4	2	1	1	14	
Clarbeston Road	CLR			5:50	22:05			3	3	4	2	2	1	15	1 additional call to be provided by additional service to FGH departing CLR 0700-0959
Haverfordwest	HVF			6:00	22:05			2	2	3	1	1	1	10	
Johnston Dyfed	JOH			6:00	22:05			2	2	3	1	1	1	10	
Milford Haven	MFH			6:00	22:05			2	2	3	1	1	1	10	
Fishguard & Goodwick	FGW			5:50	21:00			1	1	1	1	1	0	5	2 additional calls to be provided by additional services to FGH, departing CLR 0700-0959 and departing SWA 1000-0959
Fishguard Harbour	FGH			5:50	21:00			1	1	1	1	1	0	5	2 additional calls to be provided by additional services to FGH, departing CLR 0700-0959 and departing SWA 1000-0959

Journey times					
Number of services	Public journey time (mins)		Number of services	Public journey time (mins)	
P	Q	R	S	T	U
9	93	9 services from Carmarthen to Pembroke Dock shall have a journey time of no more than 93 minutes	8	87	Of which 8 services shall have a journey time of no more than 87 minutes
10	69	10 services from Carmarthen to Milford Haven shall have a journey time of no more than 69 minutes	8	63	Of which 8 services shall have a journey time of no more than 63 minutes
5	102	5 services from Carmarthen to Fishguard Harbour shall have a journey time of no more than 102 minutes	3	60	Of which 3 services shall have a journey time of no more than 60 minutes

End

Wales and Borders Rail and South Wales Metro

Saturdays TSR 1b December 2021 SO

Confidentiality: TBC

Version: Final

Date: 5/23/2018

Swansea West Arrivals

Station	A	B	C	D	E	F	G	Minimum number of calls at station by W&B services arriving at SWA during given timeband							Total Day	Notes on additional requirements for number of calls at Station and direct links to other stations
								0200 - 0659	0700 - 0959	1000 - 1559	1600 - 1859	1900 - 2159	2200 - 0159	N		
								H	I	J	K	L	M			
Carmarthen	CMN			3:30	0:00			2	5	9	4	4	2	26	1 additional call to be provided by service from CMN to CDF arriving CDF 0200-0659	
Ferryside	FYS			6:45	0:00			1	5	3	2	2	2	15	1 additional call to be provided by service from FGH to CDF arriving CDF 1000-1559	
Kidwelly	KWL			6:45	0:00			1	5	3	2	2	2	15	1 additional call to be provided by service from FGH to CDF arriving CDF 1000-1559	
Pembrey & Burry Port	PBY			6:45	0:00			1	5	9	4	4	2	25	2 additional calls to be provided by service from CMN to CDF arriving CDF 0200-0659, and from FGH arriving CDF 1000-1559	
Llanelli	LLE			3:45	0:00			2	5	9	5	4	2	27	2 additional calls to be provided by additional services to CDF, one from CMN arriving CDF 0200-0659, one from FGH arriving CDF 1000-1559. Excludes services via H&W Line	
Gowerton	GWN			6:45	0:00			1	4	6	4	4	2	21	Excludes services via H&W Line	
Swansea	SWA							2	5	9	5	4	2	27	Excludes services via H&W Line	

Journey times					
Number of services	Public journey time (mins)		Number of services	Public journey time (mins)	
P	Q	R	S	T	U
26	58	26 services from Carmarthen to Swansea shall have a journey time of no more than 58 minutes	20	53	Of which 20 services shall have a journey time of no more than 53 minutes
27	27	27 services from Llanelli to Swansea shall have a journey time of no more than 27 minutes	20	24	Of which 20 services shall have a journey time of no more than 24 minutes

Station	A	B	C	D	E	F	G	Minimum number of calls at station by W&B services arriving at CMN during given timeband unless otherwise stated							Total Day	Notes on additional requirements for number of calls at Station and direct links to other stations
								0200 - 0659	0700 - 0959	1000 - 1559	1600 - 1859	1900 - 2159	2200 - 0159	N		
								H	I	J	K	L	M			
Fishguard Harbour	FGH			8:45	23:09			0	1	2	1	1	1	6	1 additional call to be provided by an additional service from FGH arriving CLR 0700-0959	
Fishguard & Goodwick	FGW			8:45	23:09			0	1	2	1	1	1	6	1 additional call to be provided by an additional service from FGH arriving CLR 0700-0959	
Milford Haven	MFH			6:48	0:15			1	1	3	2	1	2	10		
Johnston Dyfed	JOH			6:48	0:15			1	1	3	2	1	2	10		
Haverfordwest	HVF			6:48	0:15			1	1	3	2	1	2	10		
Clarbeston Road	CLR			6:48	0:15			1	2	4	3	2	3	15	1 additional call to be provided by an additional service from FGH arriving CLR 0700-0959	
Clunderwen	CUW			6:48	0:15			1	2	4	3	1	3	14		
Pembroke Dock	PMD			8:12	23:33			0	1	3	2	1	2	9		
Pembroke	PMB			8:12	23:33			0	1	3	2	1	2	9		
Lamphey	LAM			8:12	23:33			0	1	3	2	1	2	9		
Manorbier	MRB			8:12	23:33			0	1	3	2	1	2	9		
Penally	PNA			8:12	23:33			0	1	3	2	1	2	9		
Tenby	TEN			8:12	23:33			0	1	3	2	1	2	9		
Saundersfoot	SDF			8:12	23:33			0	1	3	2	1	2	9		
Kilgetty	KGT			8:12	23:33			0	1	3	2	1	2	9		
Narberth	NAR			8:12	23:33			0	1	3	2	1	2	9		
Whistland	WTL			6:48	0:15			1	3	8	5	3	5	25		
Carmarthen	CMN							1	3	8	5	3	5	25		

Journey times					
Number of services	Public journey time (mins)		Number of services	Public journey time (mins)	
P	Q	R	S	T	U
6	58	6 services from Fishguard Harbour to Carmarthen shall have a journey time of no more than 58 minutes	6	58	Of which 6 services shall have a journey time of no more than 58 minutes
10	59	10 services from Milford Haven to Carmarthen shall have a journey time of no more than 59 minutes	9	58	Of which 9 services shall have a journey time of no more than 58 minutes
9	95	9 services from Pembroke Dock to Carmarthen shall have a journey time of no more than 95 minutes	7	85	Of which 7 services shall have a journey time of no more than 85 minutes

End

Wales and Borders Rail and South Wales Metro

Sundays T&R 10 December 2021 SO
 Confidentiality: TBC
 Version: Final
 Date: 5/23/2018

Heart of Wales Departures

Station	A	B	C	D	E	F	G	Minimum number of calls at station by W&B services departing from SHR during given timeband unless otherwise stated							Total Day	Notes on additional requirements for number of calls at Station and direct links to other stations		
								0200 - 0659	0700 - 0959	1000 - 1059	1600 - 1859	1900 - 2159	2200 - 0159					
								H	I	J	K	L	M	N			O	
Shrewsbury	SHR							4	services to operate at intervals no greater than 5 hours						4	Includes HOV services only		
Church Soreton	CTT			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4	Includes HOV services only		
Crovan Arms	CRV			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4	Includes HOV services only		
Brome	BME			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4	Includes HOV services only		
Hopson Heath	HPT			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Buckwell	BUK			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Kington	KNI			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Knucklas	KNJ			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Llangynllo	LGO			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Llanbair Road	LLT			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Dolby	DOL			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Pen Y Bont	PNY			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Llandindod	LLO			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Builth Road	BRK			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Cilmeri	CMR			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Gurth Powys	GTH			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Llangamarch	LLM			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Llanmyrd	LHW			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Sigri Llan	SIG			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Cynhorby	CYN			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Llandoverly	LLV			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Llanerda	LNR			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Llangadog	LLG			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Llandello	LLL			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Ffartach	FFA			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Llanfyllie	LLF			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Aranmorford	AMF			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Pantymon	PTM			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Pontarddulais	PTD			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Llangennech	LLN			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Bynea	BYE			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4			
Llanelli	LLE			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4	Includes HOV services only		
Gowerton	GWN			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4	Includes HOV services only		
Swansea	SWA			5:16	18:00			4	services to operate at intervals no greater than 5 hours						4	Includes HOV services only		

Journey times					
Number of services	Public journey time (min)		Number of services	Public journey time (min)	
P	Q	R	S	T	U
4	100	4 services from Shrewsbury to Llandindod shall have a journey time of no more than 100 minutes	3	99	Of which 3 services shall have a journey time of no more than 199 minutes
4	98	4 services from Llandoverly to Swansea shall have a journey time of no more than 98 minutes	3	96	Of which 3 services shall have a journey time of no more than 96 minutes
4	252	4 services from Shrewsbury to Swansea shall have a journey time of no more than 252 minutes	3	251	Of which 3 services shall have a journey time of no more than 251 minutes

End

Wales and Borders Rail and South Wales Metro

Saturdays TSR 1b December 2021 SO
 Confidentiality: TBC
 Version: Final
 Date: 5/23/2018

Heart of Wales Arrivals

Station	A	B	C	D	E	F	G	Minimum number of calls at station by W&B services arriving in SHR during given timeband unless otherwise stated							Notes on additional requirements for number of calls at Station and direct links to other stations	
								0200 - 0659	0700 - 0959	1000 - 1559	1600 - 1859	1900 - 2159	2200 - 0159	Total Day		
								H	I	J	K	L	M	N		O
Swansea				8:30	22:09									4	4	Includes HoW services only
Gowerton		GWN		8:30	22:09									4	4	Includes HoW services only
Llanelli		LLE		8:30	22:09									4	4	Includes HoW services only
Bynea		BYE		8:30	22:09									4	4	
Llangennech		LLH		8:30	22:09									4	4	
Pontarddulais		PTD		8:30	22:09									4	4	
Pantffynnon		PTF		8:30	22:09									4	4	
Ammanford		AMF		8:30	22:09									4	4	
Llandybie		LLI		8:30	22:09									4	4	
Hairfach		FFA		8:30	22:09									4	4	
Llandello		LLL		8:30	22:09									4	4	
Llangadog		LLG		8:30	22:09									4	4	
Llanwrda		LNR		8:30	22:09									4	4	
Llandovery		LLV		8:30	22:09									4	4	
Cynhorby		CTN		8:30	22:09									4	4	
Sugar Loaf		SUG		8:30	22:09									4	4	
Llanwrtyd		LNV		8:30	22:09									4	4	
Llangamarch		LLM		8:30	22:09									4	4	
Garth Powys		GTH		8:30	22:09									4	4	
Cilmeri		CIM		8:30	22:09									4	4	
Bulih Road		BHR		8:30	22:09									4	4	
Llandrindod		LLO		8:30	22:09									4	4	
Pen Y Bont		PNY		8:30	22:09									4	4	
Dolau		DOL		8:30	22:09									4	4	
Llanbister Road		LLT		8:30	22:09									4	4	
Llangynllo		LGO		8:30	22:09									4	4	
Knaucklas		KNU		8:30	22:09									4	4	
Knighton		KNI		8:30	22:09									4	4	
Bucknell		BUK		8:30	22:09									4	4	
Hopton Heath		HPT		8:30	22:09									4	4	
Broome		BME		8:30	22:09									4	4	
Craven Arms		CRV		8:30	22:09									4	4	Includes HoW services only
Church Stretton		CTT		8:30	22:09									4	4	Includes HoW services only
Shrewsbury		SHR												4	4	Includes HoW services only

Journey times					
Number of services	Public journey time (mins)		Number of services	Public journey time (mins)	
P	Q	R	S	T	U
4	272	4 services from Swansea to Shrewsbury shall have a journey time of no more than 272 minutes	3	265	Of which 3 services shall have a journey time of no more than 265 minutes
4	63	4 services from Llanelli to Llandovery shall have a journey time of no more than 63 minutes	4	63	Of which 4 services shall have a journey time of no more than 63 minutes
4	94	4 services from Llandrindod to Shrewsbury shall have a journey time of no more than 94 minutes	3	93	Of which 3 services shall have a journey time of no more than 93 minutes

End

Wales and Borders Rail and South Wales Metro

Security: TR 15 December 2021 SO
 Confidentiality: TBC
 Version: Final
 Date: 12/12/2018

Camrian Line Departures

Station	A	B	C	D	E	F	G	Minimum number of calls at station by W&B services departing from BHM during given timeband unless otherwise stated							Notes on additional requirements for number of calls at Station and direct links to other stations
								0200-0659	0700-0959	1000-1359	1400-1859	1900-2159	2200-0159	Total Day	
Birmingham International	BHI					7:22	21:20	0	3	6	3	3	0	15	
Birmingham New St	BNI							1	3	6	3	3	0	16	
Stratford upon Avon	SUA							0	0	0	0	0	0	0	
Wolverhampton	WVH			6:25	23:35			1	3	6	3	3	2	18	1 additional call to be provided by a service departing WVH 2200-0159
Salford	SFA							0	0	0	0	0	0	0	
Crewe	CRE				22:35			0	0	0	0	0	1	1	
Ilkeston	IKI			23:35	23:35			0	0	0	0	0	1	1	
Coalbrook	COB			23:35	23:35			0	0	0	0	0	1	1	
Albionham	ALB			23:35	23:35			0	0	0	0	0	1	1	
Coalport	COA			23:35	23:35			0	0	0	0	0	1	1	
Stitchal	STI			23:35	23:35			0	0	0	0	0	1	1	
Telford Central	TFC			6:25	23:35			1	3	6	3	3	2	18	1 additional call to be provided by a service departing WVH 2200-0159
Quangness	QUA			23:35	23:35			0	0	0	0	0	1	1	
Wallington Salop	WLS			6:25	23:35			1	3	6	3	3	2	18	1 additional call to be provided by a service departing WVH 2200-0159
Shrewsbury	SHR			6:25	23:35			1	3	6	3	3	2	18	1 additional call to be provided by a service departing WVH 2200-0159

Journey times				
Number of services	Public journey time (mins)	Number of services	Public journey time (mins)	
P	Q	R	S	T
18	21	18	21	Of which 18 services shall have a journey time of no more than 21 minutes
18	72	15	60	Of which 15 services shall have a journey time of no more than 60 minutes

Station	A	B	C	D	E	F	G	Minimum number of calls at station by W&B services departing from SHR during given timeband							Notes on additional requirements for number of calls at Station and direct links to other stations
								0200-0659	0700-0959	1000-1359	1400-1859	1900-2159	2200-0159	Total Day	
Shrewsbury	SHR	dep						1	2	4	2	3	0	12	
Walspool	WLP			6:25	21:43			1	2	4	2	3	0	12	
Newsum Powys	NWP			6:25	21:43			1	2	4	2	3	0	12	
Caerwes	CAW			6:25	21:43			1	2	4	2	3	0	12	
Machlylleth	MCN			6:25	21:43			1	2	4	2	3	0	12	

Journey times				
Number of services	Public journey time (mins)	Number of services	Public journey time (mins)	
P	Q	R	S	T
12	82	10	80	Of which 10 services shall have a journey time of no more than 80 minutes

Station	A	B	C	D	E	F	G	Minimum number of calls at station by W&B services departing from MCN during given timeband							Notes on additional requirements for number of calls at Station and direct links to other stations
								0200-0659	0700-0959	1000-1359	1400-1859	1900-2159	2200-0159	Total Day	
Machlylleth	MCN							5	3	7	4	1	1	24	
Dover Junction	DVY			4:55	23:00			5	3	7	3	5	1	24	
Borth	BOR			4:55	23:00			3	2	4	2	3	1	15	
Bow Street	BOW			4:55	23:00			3	2	4	2	3	1	15	Services should call at Bow Street from March 2020
Aberystwyth	AYW			4:55	23:00			3	2	4	3	3	1	16	
Porthell	PTH			5:07	21:45			2	1	3	1	2	0	9	
Aberystwyth	AYW			5:07	21:45			2	1	3	1	2	0	9	
TYwyn	TYW			5:07	21:45			2	1	3	1	2	0	9	
Tarfenni	TAR			5:07	21:45			2	1	3	1	2	0	9	
Llanerfyl	LAN			5:07	21:45			2	1	3	1	2	0	9	
Parthourne	PAR			5:07	21:45			2	1	3	1	2	0	9	
Machlylleth	MCN			5:07	21:45			2	1	3	1	2	0	9	
Barnstaple	BAN			5:07	21:45			2	1	3	1	2	0	9	
Llaner	LLE			6:45	21:45			1	1	3	1	2	0	8	
Tafarnon	TAF			6:45	21:45			1	1	3	1	2	0	8	
Dyffryn Ardudwy	DYA			6:45	21:45			1	1	3	1	2	0	8	
Llanaber	LLE			6:45	21:45			1	1	3	1	2	0	8	
Beuan	BEU			6:45	21:45			1	1	3	1	2	0	8	
Llanerfyl	LLE			6:45	21:45			1	1	3	1	2	0	8	
Harlech	HAR			6:45	21:45			1	1	3	1	2	0	8	
TYwyn	TYW			6:45	21:45			1	1	3	1	2	0	8	
Tafarnon	TAF			6:45	21:45			1	1	3	1	2	0	8	
Llanerfyl	LLE			6:45	21:45			1	1	3	1	2	0	8	
Porthmadog	PTH			6:45	21:45			1	1	3	1	2	0	8	
Crucywast	CRU			6:45	21:45			1	1	3	1	2	0	8	
Porthmadog	PTH			6:45	21:45			1	1	3	1	2	0	8	
Aberystwyth	AYW			6:45	21:45			1	1	3	1	2	0	8	
Porthmadog	PTH			6:45	21:45			1	1	3	1	2	0	8	

Journey times				
Number of services	Public journey time (mins)	Number of services	Public journey time (mins)	
P	Q	R	S	T
16	37	12	36	Of which 12 services shall have a journey time of no more than 36 minutes
8	155	6	150	Of which 6 services shall have a journey time of no more than 150 minutes

End

Wales and Borders Rail and South Wales Metro

Security: TSC
 Confidentiality: TBC
 Version: Final
 Date: 12/23/2018

Camrian Line Arrivals

Station	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Total Day	Notes on additional requirements for number of calls at Station and direct links to other stations
Strewsbury	SHR			6:22	23:27			1	3	6	3	2	2	17		1 additional call provided by service from SHR departing SHR 2:00:01:59
Warrington Salop	WLN			6:22	23:27			1	3	6	3	2	2	17		1 additional call provided by service from SHR departing SHR 2:00:01:59
Chasingant	CHN							0	0	0	0	0	0	0		1 additional call provided by service from SHR departing SHR 2:00:01:59
Telford Central	TFC			6:22	23:27			1	3	6	3	2	2	17		1 additional call provided by service from SHR departing SHR 2:00:01:59
Diffl	DFN							0	0	0	0	0	0	0		1 additional call provided by service from SHR departing SHR 2:00:01:59
Coed	COC							0	0	0	0	0	0	0		1 additional call provided by service from SHR departing SHR 2:00:01:59
Albington	ALB							0	0	0	0	0	0	0		1 additional call provided by service from SHR departing SHR 2:00:01:59
Codall	COL							0	0	0	0	0	0	0		1 additional call provided by service from SHR departing SHR 2:00:01:59
Bibbrook	BBK							0	0	0	0	0	0	0		1 additional call provided by service from SHR departing SHR 2:00:01:59
Crew	CRE			5:57	-			1	1	0	0	0	0	2		
Radford	RFA			5:57	-			1	0	0	0	0	0	1		
Wolverhampton	WVH			5:57	23:27			2	3	6	3	2	2	18		1 additional call provided by service from SHR departing SHR 2:00:01:59
Stowell & Duffley	SAD							0	0	0	0	0	0	0		
Stretton Castle Bridge	SCB			6:22	23:30			1	3	6	3	2	1	16		
Birmingham New St	BHM							2	3	6	3	2	2	18		
Birmingham International	BBI					6:36	20:35	1	3	6	3	2	0	15		This row based on departure times from BHM

Journey times										
Number of services	Public journey time (mins)	R						Number of services	Public journey time (mins)	
		P	Q	S	T	U				
17	62	17 services from Strewsbury to Birmingham New St shall have a journey time of no more than 62 minutes						15	62	Of which 15 services shall have a journey time of no more than 62 minutes
18	25	18 services from Wolverhampton to Birmingham New St shall have a journey time of no more than 25 minutes						17	24	Of which 17 services shall have a journey time of no more than 24 minutes

Station	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Total Day	Notes on additional requirements for number of calls at Station and direct links to other stations
Machynlleth	MCN			7:15	21:25			0	3	5	1	3	0	12		
Caerwys	CWS			7:15	21:25			0	3	5	1	3	0	12		
Newtown Powys	NPT			7:15	21:25			0	3	5	1	3	0	12		
Walespool	WLP							0	3	5	1	3	0	12		
Strewsbury	SHR							0	3	5	1	3	0	12		

Journey times										
Number of services	Public journey time (mins)	R						Number of services	Public journey time (mins)	
		P	Q	S	T	U				
12	82	12 services from Machynlleth to Strewsbury shall have a journey time of no more than 82 minutes						9	75	Of which 9 services shall have a journey time of no more than 75 minutes

Station	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Total Day	Notes on additional requirements for number of calls at Station and direct links to other stations
Pullheli	PWL	dyr		8:47	22:45			0	2	3	1	1	1	8		
Alawen	ALW			8:47	22:45			0	2	3	1	1	1	8		
Penarthen	PNC			8:47	22:45			0	2	3	1	1	1	8		
Criceth	CCC			8:47	22:45			0	2	3	1	1	1	8		
Penryn	PRN			8:47	22:45			0	2	3	1	1	1	8		
Milford	MFF			8:47	22:45			0	2	3	1	1	1	8		
Penrynheadwrth	PRH			8:47	22:45			0	2	3	1	1	1	8		
Llanvynon	LVC			8:47	22:45			0	2	3	1	1	1	8		
Talsarnau	TAL			8:47	22:45			0	2	3	1	1	1	8		
Tywyn	TYG			8:47	22:45			0	2	3	1	1	1	8		
Harlech	HRL			8:47	22:45			0	2	3	1	1	1	8		
Llanwnda	LWN			8:47	22:45			0	2	3	1	1	1	8		
Penam	PEN			8:47	22:45			0	2	3	1	1	1	8		
Llanbedd	LBD			8:47	22:45			0	2	3	1	1	1	8		
Dyffryn Ardudwy	DYA			8:47	22:45			0	2	3	1	1	1	8		
Tyfon	TYF			8:47	22:45			0	2	3	1	1	1	8		
Llanaber	LLA			8:47	22:45			0	2	3	1	1	1	8		
Barmouth	BHM			7:45	22:45			0	3	3	1	1	1	9		
Machynlleth	MCA			7:45	22:45			0	3	3	1	1	1	9		
Fairbourne	FRB			7:45	22:45			0	3	3	1	1	1	9		
Llanwril	LLW			7:45	22:45			0	3	3	1	1	1	9		
Trenewydd	TRE			7:45	22:45			0	3	3	1	1	1	9		
Tywyn	TYW			7:45	22:45			0	3	3	1	1	1	9		
Aberdovey	ABV			7:45	22:45			0	3	3	1	1	1	9		
Porthgoleu	PGL			7:45	22:45			0	3	3	1	1	1	9		
Aberystwyth	ATW			6:02	0:05			1	3	4	2	3	3	16		Services shall call at Bow Street from March 2020 Early arrival at either the JB or Bow Street
Bow Street	BOW			6:02	0:05			1	3	4	2	3	3	16		
Borth	BOR			6:02	0:05			1	3	4	2	3	3	16		
Dovey Junction	DJO			6:02	0:05			1	6	7	3	4	4	25		
Machynlleth	MCN	err						1	6	7	3	4	4	25		

Journey times										
Number of services	Public journey time (mins)	R						Number of services	Public journey time (mins)	
		P	Q	S	T	U				
8	156	8 services from Pullheli to Machynlleth shall have a journey time of no more than 156 minutes						6	148	Of which 6 services shall have a journey time of no more than 148 minutes
16	41	16 services from Aberystwyth to Machynlleth shall have a journey time of no more than 41 minutes						12	37	Of which 12 services shall have a journey time of no more than 37 minutes

End

Wales and Borders Rail and South Wales Metro
 Saturday 18 December 2021 SO
 Confidentiality: TBC
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North Wales Departures

Station	A	B	C	D	E	F	G	Minimum number of calls at station by W&B services							Total Day	Notes on additional requirements for number of calls at Station and direct links to other stations
								0200-0459	0700-0959	1000-1359	1400-1659	1800-1959	2000-2359	2400-0159		
Manchester Airport	MIA							1	1	6	3	1	0	12	Based on arrival times at MAN. Early arrival no later than 05:45. Late arrival no earlier than 20:50.	
Manchester Piccadilly	MAN							2	3	6	3	3	2	19		
Manchester Oxford Road	MCO							2	3	6	3	3	2	19		
Newton Le Willows	NLW	5:50	23:14					2	3	6	3	3	2	19		
Erskine	ERL	5:50	23:14					2	3	6	3	3	2	19		
Warrington Bank Quay	WBQ	5:50	23:14					2	3	6	3	3	2	19		
Runcorn East	RUE	5:50	23:14					2	3	6	3	3	2	19		
Liverpool Lime Street	LIV							7	3	6	3	3	7	32		
Liverpool South Parkway	LSP	6:45	22:15					1	3	6	3	3	1	17		
Runcorn	RUN	6:45	22:15					1	3	6	3	3	1	17		
Frodoham	FRO	5:50	23:14					3	6	12	6	6	3	36		
Holywell	HOL	5:50	23:14					3	6	12	6	6	3	36		
Chester	CTR	5:50	23:14					3	6	12	6	6	3	36		

Journey times						
Number of services	Public journey time (mins)	Number of services			Public journey time (mins)	
P	Q	R	S	T	U	
19	41	22	15	37	41	22 services from Manchester Piccadilly to Warrington Bank Quay shall have a journey time of no more than 41 minutes.
19	71	22	17	68	71	22 services from Manchester Piccadilly to Chester shall have a journey time of no more than 71 minutes.

Station	A	B	C	D	E	F	G	Minimum number of calls at station by W&B services							Total Day	Notes on additional requirements for number of calls at Station and direct links to other stations
								0200-0659	0700-0959	1000-1359	1400-1659	1800-1959	2000-2359	2400-0159		
Crewe	CRE							7	3	6	3	3	4	30	Based on arrival times at CTR. Services below based on departure times from CTR.	
Crewe	CRE							7	3	6	3	3	4	30		
Chester	CTR	dep						1	6	12	6	3	1	29	Conwy Valley services from BFF excluded. See table below for all LJJ to LLD departures.	
Shotton	SHT	6:55	22:35					1	3	6	4	3	1	18		
Flint	FLI	6:55	22:35					1	6	12	6	3	1	29		
Prescyn	PRE	6:55	22:35					1	6	12	6	3	1	29		
Rhyl	RHY	6:55	22:35					1	6	12	6	3	1	29		
Berghaon & Penryn	BGP	6:55	22:35					1	3	6	4	2	1	17		
Colwyn Bay	CWB	6:55	22:35					1	6	12	6	3	1	29		
Llandudno Junction	LJJ	6:55	22:35					1	6	12	6	3	1	29		
Degwy	DGY	6:55	18:55					1	3	6	3	0	0	12		
Llandudno	LLD	6:55	18:55					1	3	6	3	0	0	12		
Conwy	CON	7:26	21:25					0	2	4	2	2	0	10		
Prestemmer	PRE	7:26	21:25					0	2	4	2	2	0	10		
Llanfairfechan	LFF	7:26	21:25					0	2	4	2	2	0	10		
Berger Greenfield	BGG	7:26	21:25					0	3	7	3	3	0	16		
Llanfair-y-n-Drumogion	LFD	7:26	20:30					0	2	3	2	2	0	9		
Beddau	BED	7:26	20:30					0	2	3	2	2	0	9		
Ty Croes	TYC	7:26	20:30					0	2	3	2	2	0	9		
Rhosneigr	RHO	7:26	20:30					0	2	3	2	2	0	9		
Vale	VAL	7:26	20:30					0	2	3	2	2	0	9		
Holyhead	HHD	7:26	21:25					0	3	6	3	3	0	15		

Journey times						
Number of services	Public journey time (mins)	Number of services			Public journey time (mins)	
P	Q	R	S	T	U	
20	30	30	20	30	30	30 services from Crewe to Chester shall have a journey time of no more than 30 minutes.
29	60	29	22	56	60	29 services from Chester to Llandudno Junction shall have a journey time of no more than 60 minutes.
12	71	12	11	70	71	12 services from Chester to Llandudno shall have a journey time of no more than 71 minutes.
16	83	16	12	79	83	16 services from Chester to Berger Greenfield shall have a journey time of no more than 83 minutes.
13	122	13	13	116	122	13 services from Chester to Holyhead shall have a journey time of no more than 122 minutes.

Station	A	B	C	D	E	F	G	Minimum number of calls at station by W&B services from BFF							Total Day	Notes on additional requirements for number of calls at Station and direct links to other stations
								0200-0659	0700-0959	1000-1359	1400-1659	1800-1959	2000-2359	2400-0159		
Blarney Passings	BFF	7:22	21:20					0	2	2	1	1	0	6	All LJJ to LLD services.	
Rosser Bridge	RNB	7:22	21:20					0	2	2	1	1	0	6		
Chabaywahan	CHW	7:22	21:20					0	2	2	1	1	0	6		
Flae'r Fawr	FFP	7:22	21:20					0	2	2	1	1	0	6		
Beves Y Coed	BYC	7:22	21:20					0	2	2	1	1	0	6		
Llanmel	LML	7:22	21:20					0	2	2	1	1	0	6		
North Llanmel	NLM	7:22	21:20					0	2	2	1	1	0	6		
Dolgrog	DOL	7:22	21:20					0	2	2	1	1	0	6		
Dafydd	DAF	7:22	21:20					0	2	2	1	1	0	6		
Clas Conwy	CCW	7:22	21:20					0	2	2	1	1	0	6		
Llandudno Junction	LJJ	dep						0	2	2	1	1	0	6		
Llandudno Junction	LJJ	dep						2	6	12	6	4	0	33		
Degwy	DGY	6:50	21:30					2	6	12	6	4	0	33		
Llandudno	LLD	6:50	21:30					2	6	12	6	4	0	33		

Journey times						
Number of services	Public journey time (mins)	Number of services			Public journey time (mins)	
P	Q	R	S	T	U	
6	63	6	6	63	63	6 services from Blarney Passings to Llandudno Junction shall have a journey time of no more than 63 minutes.
33	17	33	32	16	17	33 services from Llandudno Junction to Llandudno shall have a journey time of no more than 17 minutes.

End

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North Wales Arrivals

Station	A	B	C	D	E	F	G	Minimum number of calls at station by W&B services arriving at MAN or LVJ during given timeband unless otherwise stated							Notes on additional requirements for number of calls at Station and direct links to other stations
								H	I	J	K	L	M	N	
Chester	CTR			444	030	655	2215	3	7	12	6	6	3	37	
Hobbs	HOB			640	030	655	2215	2	7	12	6	6	3	36	
Prudhoe	PRD			640	030	655	2215	2	7	12	6	6	3	36	
Rhosu	RHO			655	2215	1	3	6	3	3	1	17			
Liverpool South Parkway	LSP			655	2215	1	3	6	3	3	1	17			
Liverpool Lime Street	LVJ														
Runcorn East	RUE			640	030			1	4	6	3	3	2	19	
Parrington Bank Quay	PNQ			640	030			1	4	6	3	3	2	19	
Birkenhead	BIR			640	030			1	4	6	3	3	2	19	
Newton La Willows	NLW			640	030			1	4	6	3	3	2	19	
Manchester Central Road	MCR			640	2250			1	4	6	3	3	1	18	
Manchester Piccadilly	MAN					445	1952	1	2	6	2	1	0	12	Based on departure times from MAN. Early departure no later than 04:45. Late departure no earlier than 19:52.

Journey times									
Number of services	Public journey time (mins)	P	Q	R	S	T	U	Notes	
								Number of services	Public journey time (mins)
20	76				15	45			20 services from Chester to Manchester Piccadilly shall have a journey time of no more than 76 minutes. Of which 15 services shall have a journey time of no more than 65 minutes.
19	58				17	37			19 services from Runcorn East to Manchester Piccadilly shall have a journey time of no more than 58 minutes. Of which 17 services shall have a journey time of no more than 37 minutes.

Station	A	B	C	D	E	F	G	Minimum number of calls at station by W&B services arriving at CTR during given timeband unless otherwise stated							Notes on additional requirements for number of calls at Station and direct links to other stations
								H	I	J	K	L	M	N	
Holyhead	HHD			607	2235			1	3	6	3	3	1	17	
Vale	VAL			607	2235			1	3	6	3	3	1	17	
Rhosu	RHO			723	2125			0	2	4	1	3	0	10	
Ty Croes	TYC			723	2125			0	2	4	1	3	0	10	
Bodorgan	BOA			723	2125			0	2	4	1	3	0	10	
Nantgwynn	NGW			607	2125			1	3	6	3	3	0	13	
Bangor Gwynedd	BNG			607	2235			1	3	7	3	3	1	18	
Llanfyllbach	LFB			723	2235			0	2	4	2	3	1	12	
Pennantyr	PEN			723	2235			0	2	4	2	3	1	12	
Conwy	CNW			723	2235			0	2	4	2	3	1	12	
Llandudno	LLD			740	2255			0	3	5	3	3	1	15	Through services swap CTR only.
Degwy	DGY			740	2255			0	3	5	3	3	1	15	Through services swap CTR only.
Llandudno Junction	LLJ			535	2255			3	6	12	6	6	2	35	Conwy valley services to BPF included. See table below for all LLD/LLJ arrivals.
Colwyn Bay	CWB			535	2255			3	6	12	6	6	2	35	
Anglesea & Penryn	AGL			535	2255			2	3	6	3	3	2	19	
Rhyl	RHL			535	2255			3	6	12	6	6	2	35	
Preesgyn	PRE			535	2255			3	6	12	6	6	2	35	
Ries	RIE			535	2255			3	6	12	6	6	2	35	
Shotton	SHT			535	2255			2	3	6	3	3	2	19	
Chester	CTR	arr						3	6	12	6	6	2	35	
Croze	CRO					422	2300	5	3	6	3	4	2	23	Based on departure times at CTR.

Journey times									
Number of services	Public journey time (mins)	P	Q	R	S	T	U	Notes	
								Number of services	Public journey time (mins)
17	127				14	117			17 services from Holyhead to Chester shall have a journey time of no more than 127 minutes. Of which 14 services shall have a journey time of no more than 117 minutes.
18	83				15	79			18 services from Bangor Gwynedd to Chester shall have a journey time of no more than 83 minutes. Of which 15 services shall have a journey time of no more than 79 minutes.
15	78				12	69			15 services from Llandudno to Chester shall have a journey time of no more than 78 minutes. Of which 12 services shall have a journey time of no more than 69 minutes.
35	63				32	60			35 services from Llandudno Junction to Chester shall have a journey time of no more than 63 minutes. Of which 32 services shall have a journey time of no more than 60 minutes.
23	31				22	31			23 services from Chester to Conwy shall have a journey time of no more than 31 minutes. Of which 22 services shall have a journey time of no more than 31 minutes.

Station	A	B	C	D	E	F	G	Minimum number of calls at station by W&B services from LLD to LLJ and LLJ to BPF arriving at (departing from LLJ) during given timeband							Notes on additional requirements for number of calls at Station and direct links to other stations
								H	I	J	K	L	M	N	
Llandudno	LLD			643	2154			1	6	13	7	6	0	33	All LLD to LLJ services.
Degwy	DGY			643	2154			1	6	13	7	6	0	33	All LLD to LLJ services.
Llandudno Junction	LLJ	arr						1	6	13	7	6	0	33	All LLD to LLJ services.
Llandudno Junction	LLJ	dep						1	1	2	1	1	0	6	
Clon Conwy	GCW					726	1919	0	1	2	1	1	0	5	
Ta Y Cefn	TLC					530	1919	1	1	2	1	1	0	6	
Dolgellau	DOL					726	1919	0	1	2	1	1	0	5	
North Llaneris	NLR					726	1919	0	1	2	1	1	0	5	
Llanwrst	LWR					530	1919	1	1	2	1	1	0	6	
Beves Y Coed	BVC					530	1919	1	1	2	1	1	0	6	
Port Y Pen	PYP					726	1919	0	1	2	1	1	0	5	
Dolwyddelan	DWD					726	1919	0	1	2	1	1	0	5	
Rhosu Bridge	RHB					726	1919	0	1	2	1	1	0	5	
Barna Ffestiniog	BFF					530	1919	1	1	2	1	1	0	6	

Journey times									
Number of services	Public journey time (mins)	P	Q	R	S	T	U	Notes	
								Number of services	Public journey time (mins)
23	15				30	13			23 services from Llandudno to Chester shall have a journey time of no more than 15 minutes. Of which 30 services shall have a journey time of no more than 13 minutes.
6	65				5	64			6 services from Llandudno Junction to Barna Ffestiniog shall have a journey time of no more than 65 minutes. Of which 5 services shall have a journey time of no more than 64 minutes.

End