

# Real Time Train GTFS & GTFS- R Technical Document

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# **Document Control**

## **Revision History**

Version	Author	Issue Date	Changes
1	TfNSW	12/2/2013	Initial version
2	TfNSW	06/09/2014	Updated for TripUpdates GTFS Static Bundle Changes
2.1	TfNSW	18/09/2014	Formatted into standard report template. Consolidated access and tech document into one primary document
2.2	TfNSW	11/12/2014	Updated GTFS reference and added headsign information.
2.3	TfNSW	04/03/2016	Included charter services (section 2.2.1 and 2.2.4)
2.4	TfNSW	16/03/2016	Revised for Open Data

# References

Document Name	Network Location or Documentation Link
GTFS Reference , October 15, 2012 revision.	https://developers.google.com/transit/gtf s/changes#october-15-2012
GTFS-realtime, v1.0 October 12,2013 revision.	https://developers.google.com/transit/gtfs- realtime/changes#oct-12-2012

#### 1 GTFS Bundle Notes

#### 1.1 Agency.txt

Trains run by both Sydney Trains & NSW Trains will be contained within the bundle.

Times for NSW Trains running beyond the intercity network area (bordered by Goulburn, Bathurst, Scone, Dugong and Nowra) will not be accurate beyond these stations.

#### 1.2 trips.txt

#### 1.2.1 trip\_id

The trip\_id used to uniquely identify trips has a semantic content that could be used to provide additional information about the timetabled train. The format is as follows:

<trip\_name>.<trimetable\_id>.<trimetable\_version\_id>.<dop\_ref>.<set\_type>.<number\_of\_car s>.<trip\_instance>

Eg. '123J.1171.00000102.124.T.8.0'

The bundle contains trips scheduled for operational and scheduling purposes. Presently 590-599 series trip\_name is reserved for Charter services that should not be displayed to customers (e.g 590A). Hardcoding this rule is not recommended.

Trips with route RTTA\_REV and RTTA\_DEF should also not be displayed to customers. They are non-revenue services and trips that are not matched to a valid route.

<timetable\_id>.<timetable\_version\_id>.<dop\_ref> represent the calendar, so could provide indications the bundle is out of date if values in real time feeds do not match bundle calendar values.

The fields <timetable\_id>.<timetable\_version\_id>.<dop\_ref> within the tripid is not recommended for use. This is reserved to keep the trip id unique.

#### 1.2.2 Train Set Types

The following are the possible values that could be found in the *<set\_type>* field of the trip\_id for passenger trains.

Value	Train Set Type	
Α	Waratah	
С	C Set	
Н	Oscar	
J	Hunter	
K	K Set	

М	Millennium	
N	Endeavour	
Р	Xplorer	
S	S Set	
Т	Tangara	
V	Intercity	
Χ	XPT	
Z	Indian Pacific	

Other codes that could be encountered are

Value	Train Set Type
В	Bus
D	Diesel Locomotive
F	Slow Freight
L	Lt Loco
0	Other
Q	Maintenance Track Machine
W	Fast Freight
Υ	Other

#### 1.2.3 block id

The trips recorded in the GTFS bundle timetable include both trips running 'in service', as well as those running 'out of service'. A single trip could have both in service & out of service sections in its journey (Out of service sections must be at start and/or end of a trip).

Trips which are out of service for their entire journey can be identified as follows:

All stops will have pickup x, drop off x

Trips which are out of service for only part of their journey, can have their out of service sections identified as follows:

- Start All stops from start of trip with pickup x, drop off x, till a stop with pickup √ is encountered.
- ♣ End All stops working forwards from end of trip with pickup \*, drop off \*, till a stop with drop off ✓ is encountered

The Trip's block\_id has been used to identify sequences of trips for which a passenger can remain on the train in continuous travel (both continuing in the same direction, or a turn-around service) as per the GTFS specification.

The following diagram seeks to show several of the scenarios around blocking, in service & out of service trips as well as the pickup drop off flags that may occur and what to expect. Shown is a single 'roster', representing a series of trips made by a single train in a day.

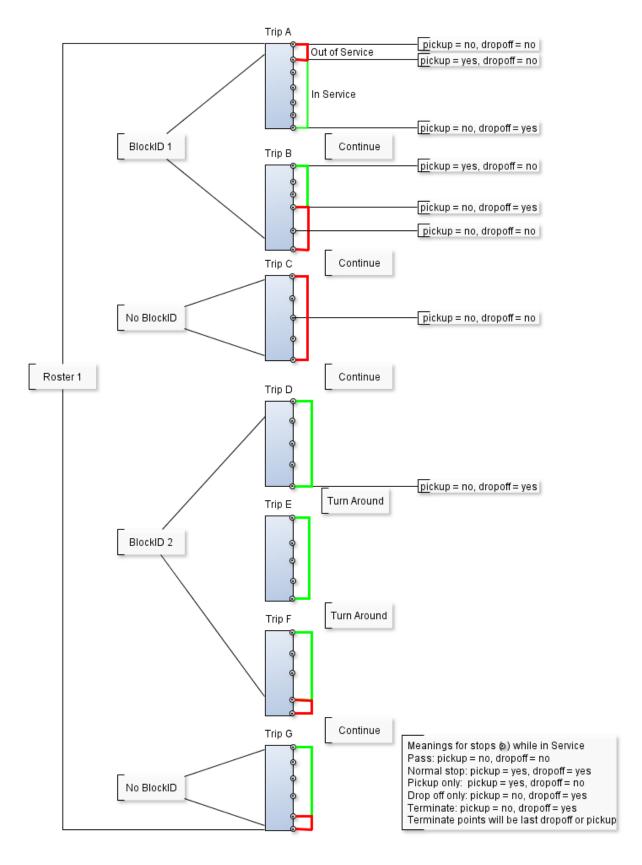


Figure 1-1 Blocking and Trip Example

#### 1.2.4 trip\_headsign

The trip\_headsign is populated with destination for the passenger journey and is in the form <Destination Station name>.

The trip\_headsign for a charter service is set to 'Charter'.

If a via station information exists then this is provided in the trip\_headsign as <Destination Station name> via <Via Station name>.

If the headsign changes during a trip, an override is specified in stop\_headsign field in stop\_times.txt.

#### 2 GTFS-R Vehicle Position

#### 2.1 Coverage

Vehicle coverage is provided for the Sydney Metro region, excluding the Carlingford line & Waterfall station.

#### 2.2 Non Timetabled Trains

The vehicle position feed can contain data for non-timetabled trains in addition to those in the GTFS bundle. Non timetabled trips will have a different trip id format as follows: NonTimetabled.<a href="mailto:krip\_name">NonTimetabled.<a href="mailto:krip\_name">krip\_name</a>

#### 2.3 VehicleID

The vehicle Id field has semantic content and is formed by a dot (.) separated list of the carriage identification numbers forming a train.

```
e.g. 7654.7655.7656.7657.8532.8533.8534.8535
```

These are carriage numbers which have been masked.

#### 2.4 Example

```
entity {
 id: "6"
 vehicle {
   trip {
      trip id: "128J.1171.00000104.124.S.8"
      schedule relationship: SCHEDULED
      route id: "WL 1b"
   position {
     latitude: -33.864037
      longitude: 151.04587
   timestamp: 1360750370
   congestion level: UNKNOWN CONGESTION LEVEL
   vehicle {
      id: "1340.1341.1342.1343.1344.1345.1346.1347"
     label: "09:55:00 Central Station to Richmond Station Passenger
train"
   }
}
```

#### 3 GTFS-R Service Alerts

#### 3.1 Coverage

Service Alerts are provided for the following categories:

- Line status Generic information relating to current operation on a line. e.g. delays, track work
- Station facilities information Information regarding lifts and escalator breakdowns / maintenance
- General station information Other general messages relating to stations
- Trip information messages regarding current state of specific trips. E.g. delays, cancellation.

#### 3.2 Trip Based Service Alerts

Trip based Service Alerts are used to convey information around train running for that trip. These would generally be short messages related to delay announcements and reasons. When service levels (On time running) around the network degrade during disruption events, It is anticipated that individual trip delay style messages will reduce and be replaced by appropriate Line status messages regarding the disruption.

#### 3.3 Examples

#### Line service alert information:

```
entity {
 id: "1"
 alert {
    informed entity {
      agency id: "SydneyTrains"
      route id: "BL 1a"
    }
    url {
      translation {
        text: "http://www.cityrail.info"
        language: "en"
      }
    }
    header text {
      translation {
        text: "Major Delays"
        language: "en"
```

```
}
    description text {
     translation {
        text: "Signalling failure."
        language: "en"
    }
  }
Trip based alert:
entity {
  id: "3"
  alert {
    informed entity {
      agency_id: "SydneyTrains"
      trip {
        trip id: "12-E.1171.105.124.T.8"
    url {
      translation {
       text: "http://www.cityrail.info"
       language: "en"
     }
    }
    header text {
      translation {
       text: "Trip Update"
        language: "en"
    }
    description text {
      translation {
        text: " Cancelled Due to electrical repairs."
        language: "en"
  }
Station facilities alert:
entity {
 id: "5"
  alert {
    informed entity {
     agency id: "SydneyTrains"
     stop id: "200060"
    }
```

```
url {
     translation {
       text: "http://www.cityrail.info"
      language: "en"
    }
   }
   header_text {
     translation {
       text: "Escalator Unavailable"
       language: "en"
     }
   }
   description_text {
     translation {
      text: "Platform 24/25 and ESR Concourse"
       language: "en"
    }
   }
 }
}
```

# 4 GTFS-R Trip Updates

TripUpdates provide predicted arrival and departure time for stops along the trip. They also provide information for any changes done on the trip running on that day.

#### 4.1 Delay

For Time Predictions – delay in stop time updated is used to communicate arrival and departure delay in seconds to a scheduled GTFS Trip.

#### 4.2 Line status

This contains generic information relating to current operation on a line. eg. Delays

#### 4.3 Examples

```
entity {
 id: "293E.617.130.120.H.8.0"
 trip update {
   trip {
     trip id: "293E.617.130.120.H.8.0"
     schedule relationship: SCHEDULED
     route_id: "NCCL 2b"
   stop_time_update {
     arrival {
       delay: 0
     departure {
       delay: 42
     stop id: "2079101"
     schedule relationship: SCHEDULED
    stop time update {
     arrival {
       delay: 42
     departure {
       delay: 42
     stop id: "2077291"
     schedule_relationship: SCHEDULED
    stop time update {
     arrival {
       delay: 42
     departure {
       delay: 0
     stop_id: "2077301"
     schedule_relationship: SCHEDULED
    stop_time_update {
     arrival {
       delay: 0
     departure {
       delay: 0
     stop_id: "2077311"
     schedule_relationship: SCHEDULED
    timestamp: 1409869080
```

Any changes to a Trip on a day would be shown as a replacement. They typically include scenarios like Added Stops, Skipped Stops, Cancel Trip, Terminate Early, Change Start, Change Platform, Insert Trip, Reroute Trip, Extend Trip, Hold Trip

```
entity {
   id: "5566.617.130.32.C.2.0"
   trip_update {
      trip {
        trip_id: "5566.617.130.32.C.2.0"
        schedule_relationship: ADDED
      route_id: "NSL_1"
    }
   stop time update {
```

```
arrival {
   time: 1409874540
 departure {
   time: 1409874540
 stop id: "2000336"
stop time update {
 arrival {
   time: 1409874690
 departure {
   time: 1409874750
 stop id: "2000393"
}
stop_time_update {
 arrival {
   time: 1409874846
 departure {
  time: 1409874888
 stop_id: "2000404"
stop_time_update {
 arrival {
   time: 1409875086
 departure {
   time: 1409875116
 stop_id: "206142"
}
stop_time_update {
 arrival {
   time: 1409875200
 departure {
   time: 1409875260
 stop_id: "2060104"
stop_time_update {
 arrival {
   time: 1409875356
```

```
departure {
   time: 1409875386
  stop_id: "2060112"
stop time update {
 arrival {
   time: 1409875488
  departure {
   time: 1409875518
 stop id: "2065162"
stop_time_update {
 arrival {
  time: 1409875632
 }
 departure {
   time: 1409875662
 stop id: "2065153"
stop_time_update {
 arrival {
  time: 1409875788
 departure {
   time: 1409875818
  stop id: "206452"
stop_time_update {
 arrival {
   time: 1409875932
  departure {
   time: 1409875962
 stop id: "2067144"
stop_time_update {
 arrival {
   time: 1409876280
  departure {
   time: 1409876310
```

```
stop_id: "207263"
}
stop_time_update {
 arrival {
   time: 1409876430
 departure {
   time: 1409876460
 stop id: "2073162"
stop_time_update {
 arrival {
   time: 1409876598
 departure {
   time: 1409876628
 }
 stop_id: "2074182"
}
stop_time_update {
 arrival {
   time: 1409876718
 departure {
  time: 1409876748
  stop_id: "2074192"
}
stop_time_update {
 arrival {
   time: 1409876832
 departure {
   time: 1409876862
 stop_id: "2076242"
}
stop_time_update {
 arrival {
   time: 1409876964
 departure {
   time: 1409876994
 stop_id: "2077312"
stop time update {
```

```
arrival {
    time: 1409877114
}
    departure {
       time: 1409877174
    }
    stop_id: "2077302"
}
    timestamp: 1409851188
}
```

#### REPLACEMENT service

```
entity {
  id: "108B.617.130.124.T.8.0"
  trip_update {
   trip {
     trip_id: "108B.617.130.124.T.8.0"
      schedule relationship: REPLACEMENT
      route id: "NL 1a"
    stop time update {
      arrival {
       time: 1409870700
      departure {
       time: 1409870700
      stop id: "2000336"
    stop_time_update {
      arrival {
       time: 1409870856
      departure {
       time: 1409870916
      stop id: "2000393"
    stop_time_update {
      arrival {
       time: 1409871012
      departure {
       time: 1409871054
      }
```

```
stop_id: "2000404"
}
stop_time_update {
 arrival {
   time: 1409871240
 departure {
   time: 1409871270
 stop id: "206142"
stop_time_update {
 arrival {
   time: 1409871414
 departure {
   time: 1409871474
 }
 stop_id: "2060104"
}
stop_time_update {
 arrival {
   time: 1409871570
 departure {
  time: 1409871600
  stop_id: "2060112"
}
stop_time_update {
 arrival {
   time: 1409871702
 departure {
   time: 1409871732
 stop_id: "2065162"
}
stop_time_update {
 arrival {
   time: 1409871864
 departure {
   time: 1409871894
 stop_id: "2065153"
stop time update {
```

```
arrival {
    time: 1409872020
}
departure {
    time: 1409872050
}
stop_id: "206452"
}
stop_time_update {
    arrival {
        time: 1409872314
}
departure {
        time: 1409872315
}
stop_id: "2067143"
}
timestamp: 1409872237
}
```

# 5 Appendix – Duplicate Sydney Trains and NSW Trains services

The following list of trips represent services that appear in both the Sydney Trains realtime feed and NSW Trains rural and regional realtime feed. For consumers using both feeds, TfNSW recommends filtering out these services from the Sydney Trains feed and preferentially using the NSW Trains feed.

Diesel NSW Trains service (NP, NT, V, SN, SP, ST, WN, WP, WT, KN, CN

IC-Hunter Line - Up			
Scone / Dungog - Hamilton			
Mo	nday to Fri	day	
Saturdays, Su	ndays and F	Public Holidays	
Ride Id:	Trip:	Consist:	
10536	V618	2N	
10537	V622	2N	
10539	V638	2N	
10543	V676	2N	
10544	V682	2N	
10545	V682	2N	
10546	V700	2J	
10548	V702	2J	
10549	V702	2J	
10551	V704	2J	
10553	V706	2J	
10554	V708	2J	
10556	V710	2J	
10557	V710	2J	
10560	V712	2J	
10562	V714	2J	
10565	V716	2J	
10569	V720	2J	
10571	V722	2J	
10572	V722	2J	
10575	V724	2J	
10578	V728	2J	
10580	V730	2N	
10581	V730	2J	
10584	V732	2J	
10585	V734	2J	
10586	V734	2J	
10589	V736	2J	

10591       V738       2.         10596       V742       2.         10597       V742       2.         10602       V744       2.         10603       V744       2.         10607       V748       2.         10608       V748       2.         10611       V750       2.         10614       V752       2.         10615       V754       2.         10616       V754       2.         10619       V756       2.         10621       V758       2.         10622       V758       2.         10623       V760       2.         10626       V762       2.         10627       V762       2.         10630       V766       2.         10631       V766       2.         10632       V768       2.         10634       V770       2.         10635       V770       2.
10596       V742       2.         10597       V742       2.         10602       V744       2.         10603       V744       2.         10607       V748       2.         10608       V748       2.         10611       V750       2.         10614       V752       2.         10615       V754       2.         10616       V754       2.         10619       V756       2.         10621       V758       2.         10622       V758       2.         10623       V760       2.         10626       V762       2.         10627       V762       2.         10630       V766       2.         10631       V766       2.         10632       V768       2.         10634       V770       2.
10597       V742       2.         10602       V744       2.         10603       V744       2.         10607       V748       2.         10608       V748       2.         10611       V750       2.         10614       V752       2.         10615       V754       2.         10616       V754       2.         10619       V756       2.         10621       V758       2.         10622       V758       2.         10623       V760       2.         10626       V762       2.         10627       V762       2.         10630       V766       2.         10631       V766       2.         10632       V768       2.         10634       V770       2.
10602       V744       2.         10603       V744       2.         10607       V748       2.         10608       V748       2.         10611       V750       2.         10614       V752       2.         10615       V754       2.         10616       V754       2.         10619       V756       2.         10621       V758       2.         10622       V758       2.         10623       V760       2.         10626       V762       2.         10627       V762       2.         10630       V766       2.         10631       V766       2.         10632       V768       2.         10634       V770       2.
10603       V744       2.         10607       V748       2.         10608       V748       2.         10611       V750       2.         10614       V752       2.         10615       V754       2.         10616       V754       2.         10619       V756       2.         10621       V758       2.         10622       V758       2.         10623       V760       2.         10626       V762       2.         10627       V762       2.         10630       V766       2.         10631       V766       2.         10632       V768       2.         10634       V770       2.
10607       V748       2.         10608       V748       2.         10611       V750       2.         10614       V752       2.         10615       V754       2.         10616       V754       2.         10619       V756       2.         10621       V758       2.         10622       V758       2.         10623       V760       2.         10626       V762       2.         10627       V762       2.         10630       V766       2.         10631       V766       2.         10632       V768       2.         10634       V770       2.
10608       V748       2.         10611       V750       2.         10614       V752       2.         10615       V754       2.         10616       V754       2.         10619       V756       2.         10621       V758       2.         10622       V758       2.         10623       V760       2.         10626       V762       2.         10627       V762       2.         10630       V766       2.         10631       V766       2.         10632       V768       2.         10634       V770       2.
10611       V750       2.         10614       V752       2.         10615       V754       2.         10616       V754       2.         10619       V756       2.         10621       V758       2.         10622       V758       2.         10623       V760       2.         10626       V762       2.         10627       V762       2.         10630       V766       2.         10631       V766       2.         10632       V768       2.         10634       V770       2.
10614       V752       2.         10615       V754       2.         10616       V754       2.         10619       V756       2.         10621       V758       2.         10622       V758       2.         10623       V760       2.         10626       V762       2.         10627       V762       2.         10630       V766       2.         10631       V766       2.         10632       V768       2.         10634       V770       2.
10615       V754       2N         10616       V754       2.         10619       V756       2.         10621       V758       2.         10622       V758       2.         10623       V760       2.         10626       V762       2N         10627       V762       2.         10638       V764       2.         10630       V766       2.         10631       V766       2.         10632       V768       2.         10634       V770       2.
10616       V754       2.         10619       V756       2.         10621       V758       2.         10622       V758       2.         10623       V760       2.         10626       V762       2.         10627       V762       2.         10628       V764       2.         10630       V766       2.         10631       V768       2.         10634       V770       2.
10619       V756       2.         10621       V758       2.         10622       V758       2.         10623       V760       2.         10626       V762       2.         10627       V762       2.         10628       V764       2.         10630       V766       2.         10631       V766       2.         10632       V768       2.         10634       V770       2.
10621       V758       2.         10622       V758       2.         10623       V760       2.         10626       V762       2.         10627       V762       2.         10628       V764       2.         10630       V766       2.         10631       V766       2.         10632       V768       2.         10634       V770       2.
10622       V758       2.         10623       V760       2.         10626       V762       2.         10627       V762       2.         10628       V764       2.         10630       V766       2.         10631       V766       2.         10632       V768       2.         10634       V770       2.
10623       V760       2.         10626       V762       2.         10627       V762       2.         10628       V764       2.         10630       V766       2.         10631       V766       2.         10632       V768       2.         10634       V770       2.
10626       V762       2N         10627       V762       2         10628       V764       2         10630       V766       2         10631       V766       2         10632       V768       2         10634       V770       2
10627     V762       10628     V764       10630     V766       2     2       10631     V766       2     2       10632     V768       2     2       10634     V770       2     2
10628       V764       2.         10630       V766       2.         10631       V766       2.         10632       V768       2.         10634       V770       2.
10630     V766       20       10631     V766       10632     V768       10634     V770       20       21       22       23       24       25       26       27       28       29       20       20       21       22       23       24       25       26       27       28       29       20       20       21       22       24       25       26       27       28       29       20       20       21       22       23       24       25       26       27       28       29       20       20       21       22       23       24       25       26       27       28       29       20       20       21       22       24
10631     V766       10632     V768       10634     V770       2.
10632 V768 2. 10634 V770 2.
10634 V770 2.
10635 V770 2.
10637 V772 2.
10639 V774 2.
10642 V776 2.
10644 V778 2.
10645 V778 2.
10648 V780 2.
10650 V782 2.
10653 V784 2.
10655 V786 2.
10657 V788 2.
10659 V790 2.
10660 V790 2.
10661 V792 2.
10667 V918 2N
10669 V926 2.
10671 V938 2.
10673 V946 2.
10675 V958 2.
10678 V966 2.
10680 V974 2.
10681 V974 2.

IC-Hunter Line - Dn			
Hamilton - Scone / Dungog			
Mo	onday to Fri	day	
Saturdays, Su	ndays and F	Public Holidays	
Ride Id:	Trip:	Consist:	
10534	V603	2N	
10535	V607	2N	
10538	V625	2N	
10540	V659	2N	
10541	V669	2N	
10542	V671	2N	
11455	V701	2J	
11456	V701	2J	
11457	V703	2J	
11458	V703	2J	
10552	V705	2J	
10555	V709	2J	
10558	V711	2J	
10559	V711	2J	
10561	V713	2J	
10563	V715	2J	
10564	V715	2J	
10566	V717	2J	
10567	V719	2J	
10568	V719	2J	
10570	V721	2J	
10573	V723	2J	
10574	V723	2J	
10576	V727	2J	
10577	V727	2J	
10579	V729	2J	
10582	V731	2J	
10583	V731	2J	
10587	V735	2J	
10588	V735	2J	
10590	V737	2J	
10592	V739	2J	
10593	V739	2J	
10595	V741	2N	
10599	V743	2J	
10600	V743	2J	
10601	V743	2J	
10604	V745	2J	

10605       V747       2J         10606       V747       2J         10610       V749       2N         10612       V751       2J         10613       V751       2J         10617       V755       2J         10618       V755       2J         10620       V757       2N         10624       V761       2J         10625       V761       2J         10629       V765       2J         10633       V769       2J         10636       V771       2J         10638       V773       2J         10640       V775       2J         10641       V775       2J         10642       V777       2J         10643       V777       2J         10646       V779       2J         10647       V779       2J         10649       V781       2J         10651       V783       2J         10652       V783       2J         10654       V785       2J         10656       V787       2J         10665       V793       2J <t< th=""><th></th><th></th><th></th></t<>			
10610       V749       2N         10612       V751       2J         10613       V751       2J         10617       V755       2J         10618       V755       2J         10620       V757       2N         10620       V757       2N         10624       V761       2J         10625       V761       2J         10629       V765       2J         10633       V769       2J         10636       V771       2J         10638       V773       2J         10640       V775       2J         10641       V775       2J         10643       V777       2J         10644       V779       2J         10645       V779       2J         10647       V779       2J         10651       V783       2J         10652       V783       2J         10654       V785       2J         10655       V797       2J         10665       V793       2J         10664       V797       2J         10665       V907       2N <t< td=""><td>10605</td><td>V747</td><td>2J</td></t<>	10605	V747	2J
10612       V751       2J         10613       V751       2J         10617       V755       2J         10618       V755       2J         10620       V757       2N         10624       V761       2J         10625       V761       2J         10633       V769       2J         10636       V771       2J         10638       V773       2J         10640       V775       2J         10641       V775       2J         10643       V777       2J         10646       V779       2J         10647       V779       2J         10649       V781       2J         10651       V783       2J         10652       V783       2J         10654       V785       2J         10655       V787       2J         10665       V787       2J         10665       V793       2J         10664       V797       2J         10665       V907       2N         10666       V913       2J         106670       V933       2J      <	10606	V747	2J
10613       V751       2J         10617       V755       2J         10618       V755       2J         10620       V757       2N         10624       V761       2J         10625       V761       2J         10629       V765       2J         10633       V769       2J         10636       V771       2J         10638       V773       2J         10640       V775       2J         10641       V775       2J         10643       V777       2J         10646       V779       2J         10647       V779       2J         10649       V781       2J         10651       V783       2J         10652       V783       2J         10654       V785       2J         10656       V787       2J         10663       V793       2J         10664       V797       2J         10665       V907       2N         10666       V913       2J         10668       V925       2J         10670       V933       2J <t< td=""><td>10610</td><td>V749</td><td>2N</td></t<>	10610	V749	2N
10617       V755       2J         10618       V755       2J         10620       V757       2N         10624       V761       2J         10625       V761       2J         10629       V765       2J         10633       V769       2J         10636       V771       2J         10638       V773       2J         10640       V775       2J         10641       V775       2J         10643       V777       2J         10646       V779       2J         10647       V779       2J         10649       V781       2J         10651       V783       2J         10652       V783       2J         10654       V785       2J         10656       V787       2J         10663       V793       2J         10664       V797       2J         10665       V907       2N         10666       V913       2J         106670       V933       2J         10672       V945       2J         10676       V965       2J <td>10612</td> <td>V751</td> <td>2J</td>	10612	V751	2J
10618       V755       2J         10620       V757       2N         10624       V761       2J         10625       V761       2J         10629       V765       2J         10633       V769       2J         10636       V771       2J         10638       V773       2J         10640       V775       2J         10641       V775       2J         10643       V777       2J         10646       V779       2J         10647       V779       2J         10649       V781       2J         10651       V783       2J         10652       V783       2J         10654       V785       2J         10656       V787       2J         10663       V793       2J         10664       V797       2J         10665       V907       2N         10666       V913       2J         10670       V933       2J         10672       V945       2J         10676       V965       2J	10613	V751	2J
10620       V757       2N         10624       V761       2J         10625       V761       2J         10629       V765       2J         10633       V769       2J         10636       V771       2J         10638       V773       2J         10640       V775       2J         10641       V775       2J         10643       V777       2J         10646       V779       2J         10647       V779       2J         10649       V781       2J         10651       V783       2J         10652       V783       2J         10654       V785       2J         10656       V787       2J         10658       V789       2J         10663       V793       2J         10664       V797       2J         10665       V907       2N         10666       V913       2J         10670       V933       2J         10672       V945       2J         10676       V965       2J	10617	V755	2J
10624       V761       2J         10625       V761       2J         10629       V765       2J         10633       V769       2J         10636       V771       2J         10638       V773       2J         10640       V775       2J         10641       V775       2J         10643       V777       2J         10646       V779       2J         10647       V779       2J         10649       V781       2J         10651       V783       2J         10652       V783       2J         10654       V785       2J         10656       V787       2J         10658       V789       2J         10662       V793       2J         10663       V797       2J         10666       V913       2J         10668       V925       2J         10670       V933       2J         10674       V953       2J         10676       V965       2J	10618	V755	2J
10625       V761       2J         10629       V765       2J         10633       V769       2J         10636       V771       2J         10638       V773       2J         10640       V775       2J         10641       V775       2J         10643       V777       2J         10646       V779       2J         10647       V779       2J         10649       V781       2J         10651       V783       2J         10652       V783       2J         10654       V785       2J         10656       V787       2J         10665       V793       2J         10662       V793       2J         10663       V797       2J         10665       V907       2N         10666       V913       2J         10670       V933       2J         10672       V945       2J         10676       V965       2J	10620	V757	2N
10629       V765       2J         10633       V769       2J         10636       V771       2J         10638       V773       2J         10640       V775       2J         10641       V775       2J         10643       V777       2J         10646       V779       2J         10647       V779       2J         10649       V781       2J         10651       V783       2J         10652       V783       2J         10654       V785       2J         10656       V787       2J         10662       V793       2J         10663       V793       2J         10664       V797       2J         10665       V907       2N         10666       V913       2J         10670       V933       2J         10672       V945       2J         10676       V965       2J	10624	V761	2J
10633       V769       2J         10636       V771       2J         10638       V773       2J         10640       V775       2J         10641       V775       2J         10643       V777       2J         10646       V779       2J         10647       V779       2J         10649       V781       2J         10651       V783       2J         10652       V783       2J         10654       V785       2J         10656       V787       2J         10658       V789       2J         10662       V793       2J         10663       V793       2J         10664       V797       2J         10665       V907       2N         10666       V913       2J         10670       V933       2J         10672       V945       2J         10676       V965       2J	10625	V761	2J
10636       V771       2J         10638       V773       2J         10640       V775       2J         10641       V775       2J         10643       V777       2J         10646       V779       2J         10647       V779       2J         10649       V781       2J         10651       V783       2J         10652       V783       2J         10654       V785       2J         10656       V787       2J         10665       V793       2J         10662       V793       2J         10663       V793       2J         10664       V797       2J         10665       V907       2N         10666       V913       2J         10670       V933       2J         10672       V945       2J         10674       V953       2J         10676       V965       2J	10629	V765	2J
10638       V773       2J         10640       V775       2J         10641       V775       2J         10643       V777       2J         10646       V779       2J         10647       V779       2J         10649       V781       2J         10651       V783       2J         10652       V783       2J         10654       V785       2J         10656       V787       2J         10658       V789       2J         10662       V793       2J         10663       V793       2J         10664       V797       2J         10665       V907       2N         10666       V913       2J         10670       V933       2J         10672       V945       2J         10674       V953       2J         10676       V965       2J	10633	V769	2J
10640       V775       2J         10641       V775       2J         10643       V777       2J         10646       V779       2J         10647       V779       2J         10649       V781       2J         10651       V783       2J         10652       V783       2J         10654       V785       2J         10656       V787       2J         10668       V793       2J         10662       V793       2J         10663       V793       2J         10664       V797       2J         10665       V907       2N         10666       V913       2J         10670       V933       2J         10672       V945       2J         10674       V953       2J         10676       V965       2J	10636	V771	2J
10641       V775       2J         10643       V777       2J         10646       V779       2J         10647       V779       2J         10649       V781       2J         10651       V783       2J         10652       V783       2J         10654       V785       2J         10656       V787       2J         10658       V789       2J         10662       V793       2J         10663       V793       2J         10664       V797       2J         10665       V907       2N         10666       V913       2J         10670       V933       2J         10672       V945       2J         10674       V953       2J         10676       V965       2J	10638	V773	2,J
10643       V777       2J         10646       V779       2J         10647       V779       2J         10649       V781       2J         10651       V783       2J         10652       V783       2J         10654       V785       2J         10656       V787       2J         10658       V789       2J         10662       V793       2J         10663       V793       2J         10664       V797       2J         10665       V907       2N         10666       V913       2J         10670       V933       2J         10672       V945       2J         10674       V953       2J         10676       V965       2J	10640	V775	2J
10646       V779       2J         10647       V779       2J         10649       V781       2J         10651       V783       2J         10652       V783       2J         10654       V785       2J         10656       V787       2J         10658       V789       2J         10662       V793       2J         10663       V793       2J         10664       V797       2J         10665       V907       2N         10666       V913       2J         10670       V933       2J         10672       V945       2J         10674       V953       2J         10676       V965       2J	10641	V775	2J
10647       V779       2J         10649       V781       2J         10651       V783       2J         10652       V783       2J         10654       V785       2J         10656       V787       2J         10658       V789       2J         10662       V793       2J         10663       V793       2J         10664       V797       2J         10665       V907       2N         10666       V913       2J         10670       V933       2J         10672       V945       2J         10674       V953       2J         10676       V965       2J	10643	V777	2J
10649       V781       2J         10651       V783       2J         10652       V783       2J         10654       V785       2J         10656       V787       2J         10658       V789       2J         10662       V793       2J         10663       V793       2J         10664       V797       2J         10665       V907       2N         10666       V913       2J         10670       V933       2J         10672       V945       2J         10674       V953       2J         10676       V965       2J	10646	V779	2J
10651       V783       2J         10652       V783       2J         10654       V785       2J         10656       V787       2J         10658       V789       2J         10662       V793       2J         10663       V793       2J         10664       V797       2J         10665       V907       2N         10666       V913       2J         10670       V933       2J         10672       V945       2J         10674       V953       2J         10676       V965       2J	10647	V779	2J
10652       V783       2J         10654       V785       2J         10656       V787       2J         10658       V789       2J         10662       V793       2J         10663       V793       2J         10664       V797       2J         10665       V907       2N         10666       V913       2J         10670       V933       2J         10672       V945       2J         10674       V953       2J         10676       V965       2J	10649	V781	2J
10654       V785       2J         10656       V787       2J         10658       V789       2J         10662       V793       2J         10663       V793       2J         10664       V797       2J         10665       V907       2N         10666       V913       2J         10670       V933       2J         10672       V945       2J         10674       V953       2J         10676       V965       2J	10651	V783	2J
10656       V787       2J         10658       V789       2J         10662       V793       2J         10663       V793       2J         10664       V797       2J         10665       V907       2N         10666       V913       2J         10670       V933       2J         10672       V945       2J         10674       V953       2J         10676       V965       2J	10652	V783	2J
10658       V789       2J         10662       V793       2J         10663       V793       2J         10664       V797       2J         10665       V907       2N         10666       V913       2J         10668       V925       2J         10670       V933       2J         10672       V945       2J         10674       V953       2J         10676       V965       2J	10654	V785	2J
10662       V793       2J         10663       V793       2J         10664       V797       2J         10665       V907       2N         10666       V913       2J         10668       V925       2J         10670       V933       2J         10672       V945       2J         10674       V953       2J         10676       V965       2J	10656	V787	2J
10663       V793       2J         10664       V797       2J         10665       V907       2N         10666       V913       2J         10668       V925       2J         10670       V933       2J         10672       V945       2J         10674       V953       2J         10676       V965       2J	10658	V789	2J
10664       V797       2J         10665       V907       2N         10666       V913       2J         10668       V925       2J         10670       V933       2J         10672       V945       2J         10674       V953       2J         10676       V965       2J	10662	V793	2J
10665       V907       2N         10666       V913       2J         10668       V925       2J         10670       V933       2J         10672       V945       2J         10674       V953       2J         10676       V965       2J	10663	V793	2J
10666       V913       2J         10668       V925       2J         10670       V933       2J         10672       V945       2J         10674       V953       2J         10676       V965       2J	10664	V797	2J
10668       V925       2J         10670       V933       2J         10672       V945       2J         10674       V953       2J         10676       V965       2J	10665	V907	2N
10670       V933       2J         10672       V945       2J         10674       V953       2J         10676       V965       2J	10666	V913	2J
10672     V945     2J       10674     V953     2J       10676     V965     2J	10668	V925	2J
10674 V953 2J 10676 V965 2J	10670	V933	2J
10676 V965 2J	10672	V945	2J
	10674	V953	2J
10679 V967 2J	10676	V965	2J
	10679	V967	2J

South Coast - diesels			
Monday to Friday			
Saturdays, Sundays and Public Holidays			
Ride Id:	Trip:	Consist:	

10160	CN90	2 N I
	CITSO	2N
10240	KN01	2N
10241	KN01	2N
10243	KN03	2N
10244	KN07	2N
10245	KN09	2N
10246	KN10	2N
10247	KN17	2N
10248	KN18	2N
10249	KN19	2N
10250	KN20	2N
10251	KN23	2N
10252	KN23	2N
10253	KN24	2N
10254	KN27	2N
10255	KN28	2N
10256	KN33	2N
10257	KN35	2N
10258	KN36	2N
10259	KN36	2N
10260	KN40	2N
10261	KN41	2N
10262	KN42	2N
10263	KN43	2N
10264	KN48	2N
10265	KN48	2N
10266	KN49	2N
10267	KN51	2N
10268	KN55	2N
10269	KN56	2N
10270	KN56	2N
10271	KN57	2N
10272	KN59	2N
10273	KN64	2N
10274	KN64	2N
10275	KN65	2N
10276	KN68	2N
10277	KN71	2N
10278	KN72	2N
10279	KN72	2N
10280	KN73	2N
10281	KN76	2N
10282	KN80	2N
10283	KN81	2N
10284	KN82	2N

Southern Highlands (diesels 2N or SN sets)					
Monday to Friday					
Saturdays,	Sundays and F	Public Holidays			
Ride Id:	Trip: Consist:				
11386	SN20	2N			
11387	SN20	2N			
11364	SN21	2N			
11366	SN23	2N			
11388	SN24	2N			
11389	SN24	2N			
11390	SN25	2N			
11391	SN25	2N			
11367	SN26	2N			
11392	SN27	2N			
11393	SN28	2N			
11394	SN28	2N			
11395	SN29	2N			
11396	SN30	2N			
11397	SN31	2N			
11398	SN31	2N			
11369	SN32	2N			
11399	SN32	2N			
11400	SN33	2N			
11401	SN34	2N			
11402	SN34	2N			
11403	SN35	2N			
11404	SN35	2N			
11405	SN36	2N			
11406	SN38	2N			
11407	SN39	2N			
11408	SN39	2N			
11409	SN40	2N			
11370	SN40/2	2N/4N			
11410	SN43	2N			
11411	SN43	2N			
11412	SN44	2N			
11413	SN44	2N			
11414	SN45	2N			
11415	SN46	2N			

11416         SN48         2N           11417         SN49         2N           11418         SN49         2N           11419         SN50         2N           11420         SN51         2N           11421         SN52         2N           11371         SN53         4N           11422         SN53         2N           11373         SN54         4N           11422         SN53         2N           11423         SN54         2N           11424         SN55         2N           11425         SN55         2N           11426         SN56         2N           11427         SN59         2N           11428         SN59         2N           11429         SN60         2N           11430         SN61         2N           11431         SN64         2N           11432         SN65         2N           11433         SN67         2N           11434         SN68         2N           11376         SN69         2N           11435         SN70         2N           11436 </th <th></th> <th></th> <th></th>				
11418         SN49         2N           11419         SN50         2N           11420         SN51         2N           11421         SN52         2N           11371         SN53         4N           11422         SN53         2N           11373         SN54         4N           11422         SN53         2N           11423         SN54         4N           11424         SN55         2N           11425         SN55         2N           11426         SN56         2N           11427         SN59         2N           11428         SN59         2N           11429         SN60         2N           11430         SN61         2N           11431         SN64         2N           11432         SN65         2N           11433         SN64         2N           11434         SN68         2N           11435         SN70         2N           11436         SN71         2N           11438         SN73         2N           11439         SN74         2N           11440 </td <td></td> <td>SN48</td> <td></td>		SN48		
11419         SN50         2N           11420         SN51         2N           11421         SN52         2N           11371         SN53         4N           11422         SN53         2N           11423         SN54         4N           11423         SN54         2N           11424         SN55         2N           11425         SN55         2N           11426         SN56         2N           11427         SN59         2N           11428         SN59         2N           11429         SN60         2N           11430         SN61         2N           11431         SN64         2N           11432         SN61/3         4N/2N           11431         SN64         2N           11432         SN65         2N           11433         SN67         2N           11434         SN68         2N           11435         SN70         2N           11436         SN71         2N           11438         SN73         2N           11439         SN74         2N           11	11417	SN49	2N	
11420         SN51         2N           11421         SN52         2N           11371         SN53         4N           11422         SN53         2N           11373         SN54         4N           11423         SN54         2N           11424         SN55         2N           11425         SN55         2N           11426         SN56         2N           11427         SN59         2N           11428         SN59         2N           11429         SN60         2N           11430         SN61         2N           11431         SN64         2N           11432         SN65         2N           11431         SN64         2N           11432         SN65         2N           11433         SN67         2N           11434         SN68         2N           11376         SN69         2N           11435         SN70         2N           11436         SN71         2N           11438         SN73         2N           11439         SN74         2N           11440 </td <td>11418</td> <td>SN49</td> <td colspan="2">2N</td>	11418	SN49	2N	
11421         SN52         2N           11371         SN53         4N           11422         SN53         2N           11373         SN54         4N           11423         SN54         2N           11424         SN55         2N           11425         SN55         2N           11426         SN56         2N           11427         SN59         2N           11428         SN59         2N           11429         SN60         2N           11429         SN60         2N           11430         SN61         2N           11431         SN64         2N           11432         SN65         2N           11433         SN64         2N           11434         SN68         2N           11435         SN69         2N           11436         SN71         2N           11437         SN72         2N           11438         SN73         2N           11439         SN74         2N           11440         SN75         2N           11441         SN76         2N           11442 </td <td>11419</td> <td>SN50</td> <td colspan="2">2N</td>	11419	SN50	2N	
11371         SN53         4N           11422         SN53         2N           11373         SN54         4N           11423         SN54         2N           11424         SN55         2N           11425         SN55         2N           11426         SN56         2N           11427         SN59         2N           11428         SN59         2N           11429         SN60         2N           11430         SN61         2N           11430         SN61         2N           11431         SN64         2N           11432         SN65         2N           11433         SN67         2N           11434         SN68         2N           11435         SN69         2N           11436         SN71         2N           11437         SN72         2N           11438         SN73         2N           11439         SN74         2N           11440         SN75         2N           11441         SN76         2N           11442         SN77         2N           11443 </td <td>11420</td> <td>SN51</td> <td>2N</td>	11420	SN51	2N	
11422       SN53       2N         11373       SN54       4N         11423       SN54       2N         11424       SN55       2N         11425       SN55       2N         11426       SN56       2N         11427       SN59       2N         11428       SN59       2N         11429       SN60       2N         11429       SN60       2N         11430       SN61       2N         11375       SN61/3       4N/2N         11431       SN64       2N         11432       SN65       2N         11433       SN67       2N         11434       SN68       2N         11435       SN70       2N         11436       SN71       2N         11437       SN72       2N         11438       SN73       2N         11440       SN75       2N         11441       SN76       2N         11442       SN77       2N         11443       SN80       2N         11444       SN79       2N         11378       SN82       2N	11421	SN52	2N	
11373         SN54         4N           11423         SN54         2N           11424         SN55         2N           11425         SN55         2N           11426         SN56         2N           11427         SN59         2N           11428         SN59         2N           11429         SN60         2N           11429         SN60         2N           11430         SN61         2N           11431         SN64         2N           11431         SN64         2N           11432         SN65         2N           11433         SN67         2N           11434         SN68         2N           11435         SN70         2N           11436         SN71         2N           11437         SN72         2N           11438         SN73         2N           11443         SN74         2N           11440         SN75         2N           11441         SN76         2N           11442         SN77         2N           11443         SN80         2N           11444 </td <td>11371</td> <td>SN53</td> <td>4N</td>	11371	SN53	4N	
11423       SN54       2N         11424       SN55       2N         11425       SN56       2N         11426       SN56       2N         11427       SN59       2N         11428       SN59       2N         11429       SN60       2N         11429       SN60       2N         11430       SN61       2N         11375       SN61/3       4N/2N         11431       SN64       2N         11432       SN65       2N         11433       SN67       2N         11434       SN68       2N         11435       SN69       2N         11436       SN71       2N         11437       SN72       2N         11438       SN73       2N         11449       SN74       2N         11440       SN75       2N         11441       SN76       2N         11442       SN77       2N         11443       SN80       2N         11444       SN79       2N         11377       SN80       2N         11378       SN85       2N	11422	SN53	2N	
11424       SN55       2N         11425       SN55       2N         11426       SN56       2N         11427       SN59       2N         11428       SN59       2N         11429       SN60       2N         11429       SN60       2N         11430       SN61       2N         11375       SN61/3       4N/2N         11431       SN64       2N         11432       SN65       2N         11433       SN67       2N         11434       SN68       2N         11435       SN69       2N         11436       SN71       2N         11437       SN72       2N         11438       SN73       2N         11440       SN75       2N         11441       SN76       2N         11442       SN77       2N         11443       SN78       2N         11444       SN79       2N         11377       SN80       2N         11378       SN85       2N	11373	SN54	4N	
11425         SN55         2N           11426         SN56         2N           11427         SN59         2N           11428         SN59         2N           11429         SN60         2N           11429         SN60         2N           11430         SN61         2N           11375         SN61/3         4N/2N           11431         SN64         2N           11432         SN65         2N           11433         SN67         2N           11434         SN68         2N           11435         SN69         2N           11436         SN71         2N           11437         SN72         2N           11438         SN73         2N           11439         SN74         2N           11440         SN75         2N           11441         SN76         2N           11442         SN77         2N           11443         SN78         2N           11444         SN79         2N           11377         SN80         2N           11378         SN82         2N           11	11423	SN54	2N	
11426       SN56       2N         11427       SN59       2N         11428       SN59       2N         11429       SN60       2N         11430       SN61       2N         11375       SN61/3       4N/2N         11431       SN64       2N         11432       SN65       2N         11433       SN65       2N         11434       SN68       2N         11435       SN69       2N         11435       SN70       2N         11436       SN71       2N         11437       SN72       2N         11438       SN73       2N         11449       SN74       2N         11440       SN75       2N         11441       SN76       2N         11442       SN77       2N         11443       SN78       2N         11444       SN79       2N         11377       SN80       2N         11378       SN82       2N         11445       SN85       2N	11424	SN55	2N	
11427       SN59       2N         11428       SN59       2N         11429       SN60       2N         11430       SN61       2N         11375       SN61/3       4N/2N         11431       SN64       2N         11432       SN65       2N         11433       SN65       2N         11434       SN68       2N         11376       SN69       2N         11435       SN70       2N         11436       SN71       2N         11437       SN72       2N         11438       SN73       2N         11439       SN74       2N         11440       SN75       2N         11441       SN76       2N         11442       SN77       2N         11443       SN78       2N         11444       SN79       2N         11377       SN80       2N         11378       SN82       2N         11445       SN85       2N	11425	SN55	2N	
11428       SN59       2N         11429       SN60       2N         11430       SN61       2N         11375       SN61/3       4N/2N         11431       SN64       2N         11432       SN65       2N         11433       SN67       2N         11434       SN68       2N         11376       SN69       2N         11435       SN70       2N         11436       SN71       2N         11437       SN72       2N         11438       SN73       2N         11449       SN74       2N         11440       SN75       2N         11441       SN76       2N         11442       SN77       2N         11443       SN78       2N         11444       SN79       2N         11377       SN80       2N         11378       SN82       2N         11445       SN85       2N	11426	SN56	2N	
11429       SN60       2N         11430       SN61       2N         11375       SN61/3       4N/2N         11431       SN64       2N         11432       SN65       2N         11433       SN67       2N         11434       SN68       2N         11376       SN69       2N         11435       SN70       2N         11436       SN71       2N         11437       SN72       2N         11438       SN73       2N         11439       SN74       2N         11440       SN75       2N         11441       SN76       2N         11442       SN77       2N         11443       SN78       2N         11444       SN79       2N         11377       SN80       2N         11378       SN82       2N         11445       SN85       2N	11427	SN59	2N	
11430         SN61         2N           11375         SN61/3         4N/2N           11431         SN64         2N           11432         SN65         2N           11433         SN67         2N           11434         SN68         2N           11376         SN69         2N           11435         SN70         2N           11436         SN71         2N           11437         SN72         2N           11438         SN73         2N           11439         SN74         2N           11440         SN75         2N           11441         SN76         2N           11442         SN77         2N           11443         SN78         2N           11444         SN79         2N           11377         SN80         2N           11378         SN82         2N           11445         SN85         2N	11428	SN59	2N	
11375       SN61/3       4N/2N         11431       SN64       2N         11432       SN65       2N         11433       SN67       2N         11434       SN68       2N         11376       SN69       2N         11435       SN70       2N         11436       SN71       2N         11437       SN72       2N         11438       SN73       2N         11439       SN74       2N         11440       SN75       2N         11441       SN76       2N         11442       SN77       2N         11443       SN78       2N         11444       SN79       2N         11377       SN80       2N         11378       SN82       2N         11445       SN85       2N	11429	SN60	2N	
11431       SN64       2N         11432       SN65       2N         11433       SN67       2N         11434       SN68       2N         11376       SN69       2N         11435       SN70       2N         11436       SN71       2N         11437       SN72       2N         11438       SN73       2N         11439       SN74       2N         11440       SN75       2N         11441       SN76       2N         11442       SN77       2N         11443       SN78       2N         11444       SN79       2N         11377       SN80       2N         11378       SN82       2N         11445       SN85       2N	11430	SN61	2N	
11432       SN65       2N         11433       SN67       2N         11434       SN68       2N         11376       SN69       2N         11435       SN70       2N         11436       SN71       2N         11437       SN72       2N         11438       SN73       2N         11439       SN74       2N         11440       SN75       2N         11441       SN76       2N         11442       SN77       2N         11443       SN78       2N         11444       SN79       2N         11377       SN80       2N         11378       SN82       2N         11445       SN85       2N	11375	SN61/3	4N/2N	
11433       SN67       2N         11434       SN68       2N         11376       SN69       2N         11435       SN70       2N         11436       SN71       2N         11437       SN72       2N         11438       SN73       2N         11439       SN74       2N         11440       SN75       2N         11441       SN76       2N         11442       SN77       2N         11443       SN78       2N         11444       SN79       2N         11377       SN80       2N         11378       SN82       2N         11445       SN85       2N	11431	SN64	2N	
11434       SN68       2N         11376       SN69       2N         11435       SN70       2N         11436       SN71       2N         11437       SN72       2N         11438       SN73       2N         11439       SN74       2N         11440       SN75       2N         11441       SN76       2N         11442       SN77       2N         11443       SN78       2N         11444       SN79       2N         11377       SN80       2N         11378       SN82       2N         11445       SN85       2N				
11376       SN69       2N         11435       SN70       2N         11436       SN71       2N         11437       SN72       2N         11438       SN73       2N         11439       SN74       2N         11440       SN75       2N         11441       SN76       2N         11442       SN77       2N         11443       SN78       2N         11444       SN79       2N         11377       SN80       2N         11378       SN82       2N         11445       SN85       2N	11432	SN65	2N	
11435       SN70       2N         11436       SN71       2N         11437       SN72       2N         11438       SN73       2N         11439       SN74       2N         11440       SN75       2N         11441       SN76       2N         11442       SN77       2N         11443       SN78       2N         11444       SN79       2N         11377       SN80       2N         11378       SN82       2N         11445       SN85       2N				
11436       SN71       2N         11437       SN72       2N         11438       SN73       2N         11439       SN74       2N         11440       SN75       2N         11441       SN76       2N         11442       SN77       2N         11443       SN78       2N         11444       SN79       2N         11377       SN80       2N         11378       SN82       2N         11445       SN85       2N	11433	SN67	2N	
11437       SN72       2N         11438       SN73       2N         11439       SN74       2N         11440       SN75       2N         11441       SN76       2N         11442       SN77       2N         11443       SN78       2N         11444       SN79       2N         11377       SN80       2N         11378       SN82       2N         11445       SN85       2N	11433 11434	SN67 SN68	2N 2N	
11438       SN73       2N         11439       SN74       2N         11440       SN75       2N         11441       SN76       2N         11442       SN77       2N         11443       SN78       2N         11444       SN79       2N         11377       SN80       2N         11378       SN82       2N         11445       SN85       2N	11433 11434 11376	SN67 SN68 SN69	2N 2N 2N	
11439       SN74       2N         11440       SN75       2N         11441       SN76       2N         11442       SN77       2N         11443       SN78       2N         11444       SN79       2N         11377       SN80       2N         11378       SN82       2N         11445       SN85       2N	11433 11434 11376 11435	SN67 SN68 SN69 SN70	2N 2N 2N 2N	
11440       SN75       2N         11441       SN76       2N         11442       SN77       2N         11443       SN78       2N         11444       SN79       2N         11377       SN80       2N         11378       SN82       2N         11445       SN85       2N	11433 11434 11376 11435 11436	SN67 SN68 SN69 SN70 SN71	2N 2N 2N 2N 2N	
11441       SN76       2N         11442       SN77       2N         11443       SN78       2N         11444       SN79       2N         11377       SN80       2N         11378       SN82       2N         11445       SN85       2N	11433 11434 11376 11435 11436 11437	SN67 SN68 SN69 SN70 SN71	2N 2N 2N 2N 2N 2N	
11442       SN77       2N         11443       SN78       2N         11444       SN79       2N         11377       SN80       2N         11378       SN82       2N         11445       SN85       2N	11433 11434 11376 11435 11436 11437 11438	SN67 SN68 SN69 SN70 SN71 SN72 SN73	2N 2N 2N 2N 2N 2N 2N	
11443       SN78       2N         11444       SN79       2N         11377       SN80       2N         11378       SN82       2N         11445       SN85       2N	11433 11434 11376 11435 11436 11437 11438 11439	SN67 SN68 SN69 SN70 SN71 SN72 SN73	2N 2N 2N 2N 2N 2N 2N 2N	
11444       SN79       2N         11377       SN80       2N         11378       SN82       2N         11445       SN85       2N	11433 11434 11376 11435 11436 11437 11438 11439 11440	SN67 SN68 SN69 SN70 SN71 SN72 SN73 SN74 SN75	2N 2N 2N 2N 2N 2N 2N 2N 2N	
11377       SN80       2N         11378       SN82       2N         11445       SN85       2N	11433 11434 11376 11435 11436 11437 11438 11439 11440 11441	SN67 SN68 SN69 SN70 SN71 SN72 SN73 SN74 SN75 SN76	2N 2N 2N 2N 2N 2N 2N 2N 2N 2N	
11378     SN82     2N       11445     SN85     2N	11433 11434 11376 11435 11436 11437 11438 11439 11440 11441 11442	SN67 SN68 SN69 SN70 SN71 SN72 SN73 SN74 SN75 SN76 SN77	2N 2N 2N 2N 2N 2N 2N 2N 2N 2N 2N	
11445 SN85 2N	11433 11434 11376 11435 11436 11437 11438 11439 11440 11441 11442 11443	SN67 SN68 SN69 SN70 SN71 SN72 SN73 SN74 SN75 SN76 SN77	2N 2N 2N 2N 2N 2N 2N 2N 2N 2N 2N 2N	
	11433 11434 11376 11435 11436 11437 11438 11439 11440 11441 11442 11443 11444	SN67 SN68 SN69 SN70 SN71 SN72 SN73 SN74 SN75 SN76 SN77 SN78	2N 2N 2N 2N 2N 2N 2N 2N 2N 2N 2N 2N 2N	
11446 SN85 2N	11433 11434 11376 11435 11436 11437 11438 11439 11440 11441 11442 11443 11444 11377	SN67 SN68 SN69 SN70 SN71 SN72 SN73 SN74 SN75 SN76 SN77 SN78 SN79 SN80	2N 2N 2N 2N 2N 2N 2N 2N 2N 2N 2N 2N 2N 2	
	11433 11434 11376 11435 11436 11437 11438 11439 11440 11441 11442 11443 11444 11377 11378	SN67 SN68 SN69 SN70 SN71 SN72 SN73 SN74 SN75 SN76 SN77 SN78 SN79 SN80 SN80	2N 2	

West Blue Mountains (diesels 2N or WN sets)		
Monday to Friday		
Saturdays, Sundays and Public Holidays		

Ride Id:	Trip:	Consist:	
10007	WN11	2N	
10003	WN12	2N	
10008	WN15	2N	
10004	WN16	2N	
10005	WN17	2N	
10006	WN17	2N	
10009	WN18	2N	
10010	WN18	2N	
10011	WN18	2N	

North Coast	North West	West and	Canberra	Griffith	Melbourne
services	services	Broken Hill services	services	services	services
		Sel vices			
Trip:	Trip:	Trip:	Trip:	Trip:	Trip:
NT33	NP23	WT27	SP31	SP41	ST23
NT35	NP43	WP45	SP33	SP41	ST21
NT31	NP24	WT28	SP35		ST22
NT34	NP44	WP46	SP32		ST24
NT36			SP34		
NT32			SP36		