

## Historical Train Occupancy – Nov 2016 to Feb 2017

This dataset provides an indicator of train occupancy for train services from November 2016 to February 2017 (inc). The occupancy status is provided at each train station per train service per day.

The logic used is:

Occupancy <65% train capacity: MANY\_SEATS\_AVAILABLE

Occupancy >= 65% train capacity: FEW\_SEATS\_AVAILABLE

Occupancy >= 105% train capacity: STANDING\_ROOM\_ONLY

Train capacity is based on the train type.

This dataset is used at TfNSW for planning purposes.

To note:

- Train services between Midnight and 1.30 am are not in the dataset
- There are services with no occupancy status as the train type (train capacity) was not available. For these services Occupancy Range (High, Medium, Low) provides the estimated number of customers within a range on a train service as it arrives at Actual.Stop.Station.

## Data Fields – November 2016

Column	Data Field Name	Definition
A	Actual.Stop.Station	Train Station Name
B	New.Trip.Name	Concatenation of trips as defined in column E to create an end-end train service over which train occupancy is calculated.
C	Actual.Station.Dprt.Time	Actual time that the train departed Actual.Stop.Station (column A)
D	Segment	Indication of train direction ( <i>Up</i> implies into Central Station; <i>Down</i> away from Central Station)
E	Trip.Name	Trip name – concatenated with additional trips to create end-end train service (New.Trip.Name)

F	Service.Line	Name of the service line associated with train at the station in column A (Actual.Stop.Station)
G	Orig. Station	Originating station for trip defined in Trip.Name
H	Dest. Station	Destination station for trip defined in Trip.Name
I	Leading.Set.Type	Indicator of Train Type (e.g Waratah)
J	Actual.Station.Dprt.Time.Band	Departure time of train from Actual.Stop.Station within 15 minute band
K	Occupancy Status	Indication of train occupancy as train arrives at station (Actual.Stop.Station). Based on business logic and Leading.Set.Type
L	Occupancy Range	Indication of the estimated number of customers within a range on a train service as it arrives at Actual.Stop.Station.

## Data Fields – December 2016 – February 2017

Column	Data Field Name	Definition
A	Actual.Stop.Station	Train Station Name
B	Actual.Station.Arrv.Time	Actual time that the train arrived Actual.Stop.Station (column A)
C	Actual.Station.Dprt.Time	Actual time that the train departed Actual.Stop.Station (column A)
D	Segment	Indication of train direction ( <i>Up</i> implies into Central Station; <i>Down</i> away from Central Station)
E	Trip.Name	Trip name – concatenated with additional trips to create end-end train service (New.Trip.Name)
F	Service.Line	Name of the service line associated with train at the station in column A (Actual.Stop.Station)
G	Orig. Station	Originating station for trip defined in Trip.Name
H	Dest. Station	Destination station for trip defined in Trip.Name
I	Leading.Set.Type	Indicator of Train Type (e.g Waratah)
J	Node.Seq.Order	Stopping order sequence of Trip.Name

K	Actual.Station.Dprt.Time.Band	Departure time of train from Actual.Stop.Station within 15 minute band
L	Occupancy Status	Indication of train occupancy as train arrives at station (Actual.Stop.Station). Based on business logic and Leading.Set.Type
M	Occupancy Range	Indication of the estimated number of customers within a range on a train service as it arrives at Actual.Stop.Station.

## Train Seating Capacity

Train Type	Leading.Set.Type	Total Seating Capacity
Waratah	A	894
Suburban	C	876
Diesel	D	408
Tangara	G	812
OSCAR (Outer Suburban Cars)	H	864
Hunter	J	584
Suburban	K	896
Suburban	L	920
Millennium	M	904
Endeavour	N	708
Suburban	R	920
Suburban	S	920
Tangara	T	840
Intercity	V	832