# STREAMS PTD Interface Summary

This document contains a summary of the data that is available on the STREAMS Public Traffic Data interface that is available on the web. To use this interface requires a certificate from Transmax for the HTTPS connection to the server.

The summary describes the data sent OUT via the interface and the control requests allowed IN via the interface. The data objects provided by the interface are listed with attributes available. The type of attribute is also identified using the following code:

* (S) = Specified Data
* (D) = Dynamic Data (sent in real time)
* (O) = Optional data

## Data Output

* Intersections
  + Description (S)
  + Suburb (O,S)
  + X,Y (S)
  + Intersection No (S)
  + FP (S)
  + Controller Type (S)
  + Default Int Group (S)
  + Enabled (S)
  + KeepWithNeighbour (S)
  + MinCycleTime (S)
  + MaxCycleTime (S)
  + TransCycleMin (S)
  + Int Short name (S)
  + Notes (S)
  + Organisation Name (S)
  + FP Port (S)
  + Traffic System (S)
  + UBD Reference (S)
  + Expected CheckSum (S)
  + Current CheckSum (D)
  + Software Version (D)
  + Software Revision (D)
  + Data State (D)
  + TimeSettingState (D)
* Links
  + Start Intersection (S)
  + End Intersection (S)
  + Length (S)
  + Free Flow Speed (S)
  + Road (S)
  + Suburb (S)
  + PolyLine (S)
  + Timestamp of dynamic data (D)
  + Speed (O,D)
  + Travel Time (O,D)
  + Occupancy (O,D)
  + Flow (O,D)
  + LOS (O,D)
* Incidents
  + Incident Type (D)
  + Start Time (D)
  + X,Y (O, D)
  + Location (O, D)
  + Road (O, D)
  + Suburb (O, D)
  + Direction (O, D)
  + Intersection (O, D)
  + Link (O, D)
  + Expected Duration (O, D)
  + Blockage Type (O, D)
  + Classification (O, D)
* Movements
  + Type (S)
  + Description (S)
  + From Link (S)
  + To Link (S)
  + Timestamp of dynamic data (D)
  + Volume (O, D)
  + Occupancy (O, D)
  + Cycle Time (O, D)
  + Green Time (O, D)
* Detector Sites
  + Movement (S)
  + Lanes (S)
  + Distance to Stop Line (S)
  + Distance from Link Start (S)
* NPI Links
  + Start Intersection (S)
  + End Intersection (S)
  + Description (S)
  + Length (S)
  + Type (S)
  + Road (S)
  + Suburb (S)
  + PolyLine (S)
  + Timestamp of dynamic data (D)
  + Speed (O,D)
  + Travel Time (O,D)
  + Volume (O, D)
  + Occupancy (O, D)
  + Cycle Time (O, D)
  + Green Time (O, D)
* Vehicle Detectors
  + External Id (S)
  + Build Stats (S)
  + Classification Enabled (S)
  + Comms Settings (S)
  + Description (S)
  + Distance Normalisation (S)
  + Driver (S)
  + Instantaneous Enabled (S)
  + Length Alert Threshold (S)
  + Length Normalisation (S)
  + Monitoring Enabled (S)
  + Name (S)
  + Notes (S)
  + Occupancy User (S)
  + Operating Mode (S)
  + Organisation Name (S)
  + Remote Id (S)
  + Speed Alert Threshold (S)
  + Speed Calibration Factor (S)
  + Traffic System Name (S)
  + Hardware Type (S)
  + Start Time (D)
  + 5-minute Current Volume (D)
  + 5-minute Current Occupancy (D)
  + 5-minute Historical Volume (D)
  + 5-minute Historical Occupancy (D)

## Control Input

There is no control input data to this interface – it is read only.