

VBV DATA

CONFIGURABLE HI-TRAC® STORED DATA

- Date
- Time
- Serial Number
- Number of Axles
- Vehicle Classification Index
- Vehicle Category
- Lane Number
- Direction
- Vehicle Straddling
- Validity Code
- Road Surface Temperature
- Individual Axle Weights (ESA)
- Gross Vehicle Weight
- Inter-Vehicle Spacing (Gap)
- Headway
- Vehicle Length

Vehicle-by-Vehicle (VBV) data refers to data stored in the HI-TRAC® battery-backed memory for each individual vehicle that is detected by the system. The system stores data on every vehicle detected by the system for a fixed number of days (n). The configuration of number of days (n) of VBV storage is determined by the traffic flow per day on the HI-TRAC® site and is set using the TDC System Limited HI-COMM 100 software package. At the start of a new day, data recorded on the nth previous day is overwritten.

The parameters stored with each VBV data record are configurable, by lane, from within the HI-COMM 100 software package. This provides a means of optimising the memory storage in the HI-TRAC® unit. To help the operator determine memory allocation and number of days of required storage a memory map is graphically displayed from within the HI-COMM 100 software.

STATISTICAL DATA FILES

- Average Speed / Vehicle Category / Lane / Day
- Traffic Volume / Vehicle Category / Lane / Day
- Traffic Volume / Hour / Lane / Day
- Average Gross Weight / Category / Lane / Day
- Axle Volume / Weight Band / Lane / Day

ATMS DATA FILES

(ADVANCED TRAFFIC MANAGEMENT SYSTEM)

- Start Date of ATMS interval
- Start Time of ATMS interval
- Period of ATMS interval
- Diagnostic Code for ATMS interval
- Occupancy / Lane for ATMS interval
- Av. Speed / Category / Lane for ATMS interval
- Traffic Volume / Category / Lane for ATMS interval

MALFUNCTION MANAGEMENT

HI-COMM incorporates diagnostic codes to assist in the identification of system malfunctions, these include:

- Mains Power or Battery problems
- Modem communication errors
- CPU malfunction
- Sensor faults

REAL TIME VIEWS

- VBV data (software configurable)
- Piezo & Loop Sensor signals
- Sensor activation count (per lane)

VEHICLE RECORD VALIDITY

HI-COMM incorporates a vehicle record validity code to identify erroneous vehicle data, these include:

- Straddling Vehicle
- Reverse Direction
- Vehicle Unclassified
- Vehicle speed outside limits (<5 or >200kph)
- Gap less than 5 metres
- Loop activation failure / Sensor miscount

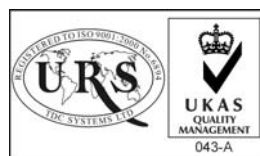
CENTRAL CONTROL OFFICE

HI-COMM 100 can be configured to utilise Task Scheduler software for automatic data download. In addition with the use of either CCTV and/or License Plate Number Recognition (LPNR) remote enforcement of overloaded or abnormally loaded vehicles is achievable.

EQUIPMENT COMPATIBILITY

HI-COMM 100 will interface to the following TDC Systems Ltd equipment:

- HI-TRAC® 100
- HI-TRAC® 110
- HI-TRAC® 90/90T
- HI-TRAC® 88/88T



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