Ensuring event and system failures are logged for subsequent analysis and use

Project Brief: Central Logging

Logging of device settings and equipment failures across a WAN connected to NMCS2 systems provides an important source of data for operational and maintenance purposes.



BUSINESS OBJECTIVE

IPL was commissioned by the Highways Agency to provide consultancy in the definition, procurement and operation of a central logging system (CENLOG) for the National Motorway Communications System (NMCS2).

IPL'S CONSULTING SUPPORT

IPL has had several years' involvement with CENLOG and has participated in the following lifecycle activities:

- Defining the user requirements
- Preparing the Invitation to Tender and technical specifications
- Assisting with the tender evaluation and supplier selection
- Managing the development of the system through to installation, commissioning and acceptance testing
- Assisting with systems administration and maintenance activities.

IPL's technical support of the system is important in that CENLOG continues to be refined and is the source of data for the Quantified Motorway Information Supply System (QMiss). The QMiss is built to demonstrate and prove the concepts of the Highways Agency Transport Information Highway (TIH).

MANAGING THE PROCESS

At all stages of the process IPL has provided commercial/business and technical skills in addressing the needs of this NMCS cornerstone system.

THE OUTCOME

With the implementation of CENLOG, a central repository now exists of all NMCS2 emergency motorway phone calls, system detected events such as signals and message sign settings and system failures. This logging database can be accessed by external users through an interface for the provision of discrete or cumulative data in report/query format. Typical recipients of these reports are the Police and the Transport Research Laboratory (TRL). IPL continues to work with the Highway Agency and is currently assisting the contractor for Halogen (CENLOG's successor).

FURTHER INFORMATION

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