Service Information System, SIS

The Service Information System (SIS) is the main tool for recording and storing operational information in a SPIDER system. The SIS assists the operators to perform their daily tasks.

It comprises of the
- Service Diary (SD)
- Work Order Clearance (WOC)
- Message Generator (MG)

Service Diary (SD)
SIS main application is the Service Diary (SD). The SD is a tool used for displaying historical as well as ongoing and planned activities.

Function
The Service Information System, SIS, provides an environment for storing of operational information in a SPIDER system. It comprises three components:
- Service Diary
- Work Order Clearance
- Message Generator

SIS Information is stored using an Oracle database, the Utility Data Warehouse (UDW 200) is the preferred choice for long time storage.

The Service Information System is built on Windows 2000 design and supports multiple connection, i.e. operators from different consoles can use the SIS system simultaneously.
**Work Order Clearance (WOC)**

The objective of the Work Order Clearance tool is to facilitate the extensive work of producing, administrating and executing switch orders. It offers the operational staff an efficient, intuitive, and powerful tool for creation, simulation and approval of switch orders for work on the network but also for real time execution of the switching activities and management of related clearance documents. More information regarding Work Order Clearance, WOC, is provided in a separate data sheet.

**Message Generator (MG)**

The Message Generator is a tool for creating, storing, distributing, and announcing information and instructions to different groups of staff and crews irrespective of site of employment. The information and instructions may be either associated to specific SCADA objects or having no specific object association but an association to an area of operation. The message generator also supports announcement alarming, integrated with the SCADA alarm list, and tagging of objects associated with a message. The SPIDER Tagging function is used for displaying network messages for the actual objects in displays, e.g. schematic diagrams. The announcement can be specified to take place at a certain time or to be repetitive at specific times and intervals. Each message is treated independently, and stored with traceable information of where, when, and by whom it was created or last changed.