



# ICCP/TASE.2 Implementation for EC SCADA

Case Study

**CLIENT NAME** : Electronics Corporation of India Limited

**PROJECT TITLE** : IEC 60870-6 (ICCP/TASE.2) Implementation for  
EC SCADA on Vax VMS / Sun Solaris / Windows

## BUSINESS CASE

The client required the Implementation of ICCP/TASE.2 Protocol for OEM's Pipe Line Monitoring and Control SCADA Software. The Implementation supported ICCP Block 1 and Block 2 and 5.

## SOLUTION

The stated driver was developed using the following Resources:

1. ICCP/TASE.2 Specifications
2. Bilateral Agreement

The ICCP/TASE.2 Protocol was implemented as a separate process that automatically invoked on SCADA startup. The ICCP task used SISCO's MMS Ease MMS implementation for MMS Support, IPC of VMS/Solaris and Windows for SCADA Native Communication, for interface with SCADA. The ICCP functionality was implemented into the ICCP process, which in turn utilized the MMS Sub-System routines and VCC specifications to implement the ICCP functionality. The initial implementation scope was limited to ICCP Block 1, Block 2 and 5.

In addition to ICCP Block 1, 2 and 5 supports, the ICCP implementation supported Hot-Standby Operation, link failure detection and switch-over.

## TOOLS USED

- C Compiler for corresponding OS'es
- SISCO MMS Ease Lite
- IPC on VMS / Sun Solaris and Windows to communicate with the SCADA Native process