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ICCP-TASE.2 Extensions for MMS-EASE *Lite*

Description

The ICCP-TASE.2 Extensions for MMS-EASE *Lite* brings the internationally accepted ICCP-TASE.2 standard for real-time data exchange to the realm of intelligent electronic devices (IED) and other embedded systems.

The Intercontrol Center Communications Protocol (ICCP) is an international standard (IEC60870-6 TASE.2) to enable exchange of real-time data between the control centers of different utilities over wide area networks (WAN). ICCP-TASE.2 is being used world-wide to provide real-time data exchange between control centers, substations, power plants, EMS, SCADA and metering equipment within the electric and gas utility industries. Applications range from small regional power dispatching networks to large supra-national transmission systems.

The ICCP-TASE.2 extensions to MMS-EASE *Lite* is the latest advancement in ICCP-TASE.2 technology from SISCO that allows ICCP-TASE.2 to be applied in relays, meters, RTUs, and other IEDs cost effectively with minimal engineering effort.

Benefits

- High level interface simplifies design and allows OEMs to get their products to the market fast.
- Portable source code allows adaptation of ICCP-TASE.2 to virtually any computing environment.
- Resource efficient implementation allows ICCP-TASE.2 to be applied in small devices.



Features

- Modular source code is portable to any real-time operating system such as PharLap™, QNX®, VxWorks®, pSOS® and many others.
- ANSI compatible C source code works with MMS-EASE *Lite*
- Supports blocks 1, 2, 4 and 5 of IEC60870-6 TASE.2 for both clients and servers.
- Operates over :
 - ▶ TCP/IP networks and the Internet.
 - ▶ ISO network and transport protocols.
- Supports concurrent operation of ICCP-TASE.2, IEC61850 (UCA2) and MMS ISO9506 over a single physical network connection.

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ICCP-TASE.2 Services Supported

Association Mgmt	Client	Server
Supported Features	X	X
Associate Operation	X	X
Conclude Operation	X	X
Abort Operation	X	X
Data Values		
Data Values	Client	Server
Data Value Model	X	X
VCC-specific scope	X	X
ICC-specific scope	X	X
Get Data Value Operation	X	X
Set Data Value Operation	X	X
Get Data Value Names Op.	X	X
Get Data Value Type Op.	X	X
Special Transfer Set Objects		
Special Transfer Set Objects	Client	Server
Transfer Set Name	X	X
Next DSTransfer Set	X	X
DSConditionsDetected	X	X

DS Transfer Sets	Client	Server
Data Set Transfer Set Model	X	X
Start Transfer Operation	X	X
Stop Transfer Operation	X	X
Get Next DSTransfer Set Operation	X	X
IntervalTimeOut	X	X
ObjectChange	X	X
OperatorRequest	X	X
IntegrityTimeout	X	X
Start Time	X	X
Interval	X	X
TLE	X	X
Buffer Time	X	X
Integrity Check	X	X
DSConditions Requested	X	X
RBE	X	X
Data Sets		
Data Sets	Client	Server
Data Set Model	X	X
VCC-specific scope	X	X
ICC-specific scope	X	X
Create Data Set Operation	X	X
Delete Data Set Operation	X	X
Get Data Set Element Values Op.	X	X
Set Data Set Element Values Op.	X	X
Get Data Set Names Op.	X	X
Get Data Set Element Names Op.	X	X

Other ICCP-TASE.2 Products from SISCO:

- AX-S4 ICCP ("Access for ICCP"). Plug-in connectivity to Windows™ SCADA/HMI applications for ICCP-TASE.2 using OLE for Process Control (OPC™).
- ICCP Toolkit for MMS-EASE. Full featured API for building ICCP-TASE.2 on host systems for Windows and Unix workstations.

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