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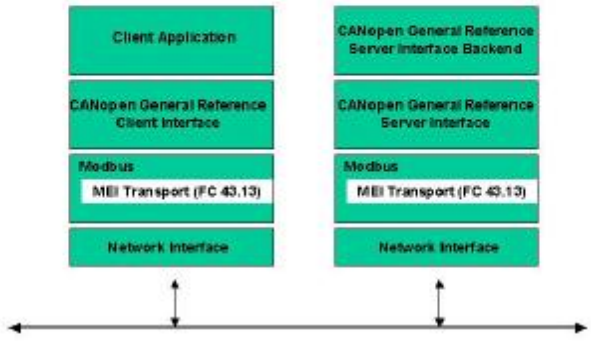
Modbus-IDA and CAN in Automation Announce CiA DSP 309: Interfacing CANopen with TCP/IP Part 2: Modbus/TCP Mapping

North Grafton, Mass. (March 23, 2005) — Modbus-IDA and CAN in Automation e.V. (CiA) have announced a licensing agreement, resulting in Specification CiA DSP 309-2: Interfacing CANopen with TCP/IP Part 2: Modbus/TCP Mapping. CiA DSP 309-2 provides a standardized mapping of CANopen data for transport on Modbus TCP networks. In the specification, Modbus Function Code 43/13 is reserved for this purpose. The reservation of this function code exclusively for CANopen is simultaneously being submitted to the Modbus-IDA RFC standardization process.

CiA will maintain the specification, which will be available for CiA members on the CiA website (http://www.can-cia.org) and for Modbus-IDA members upon request (headquarters@can-cia.org).

The specification defines mapping services so that CANopen devices can communicate over a Modbus TCP network via a gateway device or through the incorporation of a local Modbus TCP transport layer. Access to the entries of a CANopen object dictionary is supported on both a read and write basis, along with a variety of device control functions.

Interfacing CANopen with TCP/IP – Part 2 Modbus TCP Mapping:
Device View of Client and Server Modules



For users, this specification increases the options for communicating via Modbus TCP by standardizing the way Modbus communications will be used with CANopen. This also decreases the opportunity for multiple incompatible approaches proliferating. Modbus-IDA President Ken Crater commented, "We are delighted to see this extension of capability being promulgated by the CAN in Automation group, and believe the result will be to better serve suppliers and users. In keeping with the commitment to open, accessible protocols, our two organizations seek to harmonize our efforts with the publication of this specification, rather than attempting development along parallel incompatible paths."

About CAN in Automation:

CAN in Automation (CiA) is the international users' and manufacturers' organization that develops and supports CAN-based higher-layer protocols. CiA representatives actively support international standardization of CAN protocols and represent the members' interest in national and international standardization committees, such as ISO and IEC. CiA members initiate and develop specifications that are then published as CiA standards. These specifications cover physical layer definitions as well as application layer and device profile descriptions. The organization has headquarters in Erlangen, Germany.

About Modbus-IDA:

Modbus-IDA is headquartered in North Grafton, Massachusetts, USA. The organization is a group of independent users and suppliers of automation devices that seeks to drive the adoption of the Modbus communication protocol suite and the evolution to address architectures for distributed automation systems across multiple market segments. Additional information about Modbus-IDA may be found on the organization's website at www.modbus-ida.org.

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