

# 15.1 Introduction

IEC 61850 is an international standard defining communication protocols for intelligent electronic devices at electrical substations. It is a part of the International Electrotechnical Commission's (IEC) Technical Committee 57 reference architecture for electric power systems. The abstract data models defined in IEC 61850 can be mapped to several protocols. Possible mappings in the standard can be MMS (Manufacturing Message Specification), GOOSE (Generic Object Oriented Substation Event), and SMV (Sampled Measured Values). These protocols can run over TCP/IP networks or substation LANs using high-speed switched Ethernet to obtain the necessary response times below four milliseconds for protective relaying.



As of version v1.5.0, WCC Lite supports MMS-type messaging. Logging and group setting services are not supported.

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🕒Revision #2

★Created 26 January 2024 13:13:03 by Gabriele

✎Updated 13 June 2024 12:39:02 by Gabriele