

STS Edition 2 - explanatory note

Introduction

Edition 1 of the STS has been in use for more than 20 years. During this time, the STS Association, together with feedback from STS members and the industry, has made several additions and improvements to the STS specification suite, culminating in STS Edition 2, released in May 2018.

What is Edition 2?

The STS Edition 2 suite consists of the following specifications:

Table 1 - STS Edition2 specification suite

Specification Number	Description
IEC62055-41 Edition 3	2018 edition of the IEC specification
STS101-1	Physical Layer Mechanical and Electrical Interface for Virtual Token Carriers
STS101-2	Physical Layer Protocol for a two-way virtual token carrier for remote connection over DLMS/COSEM
STS200-1	Generic classes for meter function objects
STS201-1	Meter function object: RegisterTable for payment meters
STS202-4	Electricity metering – Payment systems – Part 52: Standard transfer Specification (STS) – Physical layer protocol for a two-way virtual token carrier for direct local connection
STS202-5	Class 2 token extensions
STS202-6	Additional requirements for vending systems
STS203-1	Method for default Payment Meter values for conformance testing
STS531-xx series	Certification specifications – CTS test documents
STS600-4-2	Key Management System
STS600-7	Legacy Keyload File Format Specification
STS600-8-6	Security Module API for STS6 firmware version
STS600-10-1	HSM requirements specification
STS600-15 series	KMC forms

Additions to the IEC62055-41 specification may be found in the latest publication (Ed3) of the specification available from the IEC at webstore.iec.ch.

Since the introduction of STS Edition 2, the following companion specifications have been withdrawn by the STSA since they are contained in IEC62055-41 Ed3

- STS202-1 - currency token
- STS202-2 - common coded PAN for two and 4 digit manufacturer codes
- STS202-3 - EA11 and DKG04