

ELIPSE SOFTWARE

IEC 61850 Client Driver

MODEL IMPLEMENTATION CONFORMANCE STATEMENT - MICS

Document Version: 2.00

Driver Version: 3.0.1 – April 2019

INTRODUCTION

This Model Implementation Conformance Statement (MICS) is applicable for Elipse IEC 61850 Client Driver, version 3.0.1.

This MICS document specifies the modelling extensions compared to IEC 61850 edition 2.

SUPPORTED COMMON DATA CLASSES

Common Data Class specifications for Status Information

CDC	Ed	Description	Supported	Comment
SPS	1,2	Single Point Status	Y	
DPS	1,2	Double Point Status	Y	
INS	1,2	Integer Status	Y	
ENS	1,2	Enumerated Status	Y	
ACT	1,2	Protection Activation Information	Y	
ACD	1,2	Directional Protection Activation Information	Y	
SEC	1,2	Security Violation Counting	Y	
BCR	1,2	Binary Counter Reading	Y	
HST	1,2	Histogram	N	
VSS	1,2	Visible String Status	Y	

Common Data Class specifications for measurement Information

CDC	Ed	Description	Supported	Comment
MV	1,2	Measured Value	Y	
CMV	1,2	Complex Measured Value	Y	
SAV	1,2	Sampled Value	N	
WYE	1,2	Phase to ground related measured values of a three phase system	Y	
DEL	1,2	Phase to phase related measured values of a three phase system	Y	
SEQ	1,2	Sequence	Y	
HMV	1	Harmonic Value	Y	
HMV	2	Harmonic Value		
HWYE	1	Harmonic Value for WYE	Y	
HWYE	2	Harmonic Value for WYE		
HDEL	1	Harmonic Value for DEL	Y	
HDEL	2	Harmonic Value for DEL	Y	

Common Data Class specifications for Controls

CDC	Ed	Description	Supported	Comment
SPC	1,2	Controllable Single Point	Y	
DPC	1,2	Controllable Double Point	Y	
INC	1,2	Controllable Integer Status	Y	
ENC	1,2	Controllable Enumerated Status	Y	
BSC	1,2	Binary Controlled step position information	Y	
ISC	1,2	Integer controlled step position information	Y	
APC	1	Controllable Analog Process Value	Y	
APC	2	Controllable Analog Process Value	Y	
BAC	1,2	Binary Controlled Analog Process Value	Y	

Common Data Class specifications for Status Settings

CDC	Ed	Description	Supported	Comment
SPG	1,2	Single Point Setting	Y	
ING	1,2	Integer Status Setting	Y	
ENG	1,2	Enumerated status Setting	Y	
ORG	1,2	Object Reference Setting	N	
TSG	1,2	Time Setting Group	Y	
CUG	2	Currency Setting Group	Y	
VSG	2	Visible String Setting	N	

Common Data Class specifications for Analog Settings

CDC	Ed	Description	Supported	Comment
ASG	1,2	Analogue Setting	N	
CURVE	1,2	Setting Curve	Y	
CSG	1,2	Curve Shape Setting	N	

Common Data Class specifications for Description Information

CDC	Ed	Description	Supported	Comment
DPL	1,2	Device Name Plate	Y	
LPL	1,2	Logical Node Name Plate	Y	
CSD	1,2	Curve Shape Description	Y	

Common Data Class specifications for tracking

CDC	Ed	Description	Supported	Comment
CST	2	Common Service Tracking	N	
BTS	2	Buffered Report tracking service	N	
CTS	2	Control tracking service	N	
GTS	2	GOOSE Control Block tracking service	N	

LTS	2	Log Control Block tracking service	N	
MTS	2	MSVCB tracking service	N	
NTS	2	USVCB tracking service	N	
OTS	2	Log tracking service	N	
STS	2	SGCB tracking service	N	
UTS	2	Unbuffered Report tracking service	N	

Document History

Date	Comment	Author
15, April 2019	Changes for Ed2 (Driver version 3.0.1)	M. Salvador
08, March 2013	Initial Version for Ed1 (Driver version 2.0)	M. Salvador