

SIEMENS

***MK8000 OPC Server Interface
Specification for STT20***

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STT20

Summary view

STT20 Model

STT20 Application	Obj. Name: BSCOAPMN	NT ID: 1
Communication Parameters	Obj. Name: UDUDOLAX	NT ID: 2
Notification Class	Obj. Name: UDUDNCUD	NT ID: 4
Program	Obj. Name: UDUDPGMN	NT ID: 3
Physical Tree	Obj. Name: UDUDOLPH	NT ID: 210
Power Supply	Obj. Name: HWNOPSGE	NT ID: 10
Buzzer	Obj. Name: BSCOHOIT	NT ID: 11
I/O Folder	Obj. Name: HWNOOLGE	NT ID: 13
MC20 Input /Output	Obj. Name: BSCOIOBI	NT ID: 22
Fire Links Folder	Obj. Name: UDNOOLGE	NT ID: 12
Fire Link	Obj. Name: UDCOLIET	NT ID: 21
TAE20	Obj. Name: HWNOCTPH	NT ID: 14
MD20	Obj. Name: HWCOPDPH	NT ID: 16
Power Supply	Obj. Name: HWNOPSGE	NT ID: 10
I/O Folder	Obj. Name: HWNOOLGE	NT ID: 13
MD20 Input	Obj. Name: BSCOINBI	NT ID: 23
MD20 Output	Obj. Name: BSCOUBI	NT ID: 24
Internal Bus	Obj. Name: HWCMLIIT	NT ID: 20
MEA20	Obj. Name: HWCONOAD	NT ID: 30
US Link	Obj. Name: HWCMLIPH	NT ID: 15
Logical Tree	Obj. Name: UDUDOLLO	NT ID: 211
Building	Obj. Name: BSCOARSU	NT ID: 220
Sector	Obj. Name: BSCOSUSU	NT ID: 230
Fire break Zone	Obj. Name: BSCOZOSU	NT ID: 240

Function	Obj. Name: BSCOZOG	NT ID: 50
Element	Obj. Name: BSCODEAD	NT ID: 60
Link to Element (Common DAS)	Obj. Name:	NT ID: 100
Smoke out Zone	Obj. Name: BSCOZOSU	NT ID: 241
Function	Obj. Name: BSCOZOG	NT ID: 50
Element	Obj. Name: BSCODEAD	NT ID: 60
Link to Element (Common DAS)	Obj. Name:	NT ID: 100
Stop Fan Function	Obj. Name: BSCOZOG	NT ID: 51
Element	Obj. Name: BSCODEAD	NT ID: 60
Link to Element (Common DAS)	Obj. Name:	NT ID: 100
Fire Technical Function	Obj. Name: FICOZOG	NT ID: 55
Element	Obj. Name: BSCODEAD	NT ID: 60
Link to Element (Common DAS)	Obj. Name:	NT ID: 100
HLB Alarm Zone	Obj. Name: BSCOZOSU	NT ID: 243
HLB Function	Obj. Name: BSCOZOG	NT ID: 53
Element	Obj. Name: BSCODEAD	NT ID: 60
Link to Element (Common DAS)	Obj. Name:	NT ID: 100
BOP Alarm Zone	Obj. Name: BSCOZOSU	NT ID: 244
BOP Function	Obj. Name: BSCOZOG	NT ID: 54
Element	Obj. Name: BSCODEAD	NT ID: 60
Link to Element (Common DAS)	Obj. Name:	NT ID: 100
Technical Zone	Obj. Name: BSCOZOSU	NT ID: 245
Technical Function	Obj. Name: BSCOZOG	NT ID: 56
Element	Obj. Name: BSCODEAD	NT ID: 60
Link to Element (Common DAS)	Obj. Name:	NT ID: 100
Fire Technical Function	Obj. Name: FICOZOG	NT ID: 55

Element	Obj. Name: BSCODEAD	NT ID: 60
Link to Element (Common DAS)	Obj. Name:	NT ID: 100
Power Supply Function	Obj. Name: BSCOPSGE	NT ID: 57
Power Supply Element	Obj. Name: BSCODEAD	NT ID: 62
Extinguishing Zone	Obj. Name: BSCOZOSU	NT ID: 242
Extinguishing Function	Obj. Name: BSEXZOGF	NT ID: 52
Extinguishing Element	Obj. Name: BSEXDEAD	NT ID: 61
Common DAS Folder	Obj. Name: BSNOOLGE	NT ID: 221
Element	Obj. Name: BSCODEAD	NT ID: 60

STT20 Application - (BSCOAPMN)

Application node for the STT20 control panel.

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

946 Active Unack ✓

The event should now be acknowledged by the operator.

948 Active Unreset ✓

The event should now be reset by the operator.

1000 Quiet

No abnormal conditions present.

1316 Manual

1351 Anomaly Ack

The event has been acknowledged.

1370 Alignment In Progress

The alignment fase is in progress.

1999 Fault Ack

The event has been acknowledged.

2000 Fault Unack ✓

The event should now be acknowledged by the operator.

2051 Vitality Fault

Missing vitality message (heartbeat): trouble in the communication link.

Unidentified Event - (SYNOUDGE)

This object is used to advise the user that an event occurs on one STT20, but the ADF of the concerned object is not known.

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

950 Active

1000 Quiet

No abnormal conditions present.

1351 Anomaly Ack

The event has been acknowledged.

1400 Disconnected

1999 Fault Ack

The event has been acknowledged.

Power Supply - (HWNOPSGE)

Object created under the STT20 for local and remote US, and under each MD20 node.

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

1000 Quiet

No abnormal conditions present.

1999 Fault Ack

The event has been acknowledged.

2000 Fault Unack ✓

The event should now be acknowledged by the operator.

Buzzer - (BSCOHOIT)

Object created under the STT20 node.

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

946 Active Unack ✓

The event should now be acknowledged by the operator.

1000 Quiet

No abnormal conditions present.

TAE20 - (HWNOCTPH)

This object represents the terminal.
It is created under the STT20.

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

1000 Quiet

No abnormal conditions present.

1999 Fault Ack

The event has been acknowledged.

2000 Fault Unack ✓

The event should now be acknowledged by the operator.

US Link - (HWCMLIPH)

This object represents the link status with the local / remote US (Signalization Unit).

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

1000 Quiet

No abnormal conditions present.

1999 Fault Ack

The event has been acknowledged.

2000 Fault Unack ✓

The event should now be acknowledged by the operator.

MD20 - (HWCOPDPH)

The MD20 object is created under the STT20 node.

Each STT20 supports up to 16 MD20.

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

1000 Quiet

No abnormal conditions present.

1999 Fault Ack

The event has been acknowledged.

2000 Fault Unack ✓

The event should now be acknowledged by the operator.

Internal Bus - (HWCMLIIT)

The InternalBus object shows the connection between MC20-MD20 and MD20-MEA20 devices. It is inserted under the MD20 node.

Each MD20 supports:

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

1000 Quiet

No abnormal conditions present.

1999 Fault Ack

The event has been acknowledged.

2000 Fault Unack ✓

The event should now be acknowledged by the operator.

Fire Link - (UDCOLIET)

This object represents the communication status with a fire control panel.
It is created under the Fire Links Folder node of STT20.

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

1000 Quiet

No abnormal conditions present.

1999 Fault Ack

The event has been acknowledged.

2000 Fault Unack ✓

The event should now be acknowledged by the operator.

MC20 Input /Output - (BSCOIOBI)

This object represents a STT20 input/output.
 It is created under I/O Folder node of STT20.

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

950 Active



1000 Quiet



No abnormal conditions present.

MD20 Input - (BSCOINBI)

This object represents a MD20 input.
It is created under the I/O Folder node of MD20.

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

950 Active ✓

1000 Quiet ✓

No abnormal conditions present.

1999 Fault Ack

The event has been acknowledged.

2000 Fault Unack ✓

The event should now be acknowledged by the operator.

MD20 Output - (BSCOOUBI)

This object represents a MD20 output.
 It is created under I/O Folder node of MD20.

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

950 Active



1000 Quiet



No abnormal conditions present.

MEA20 - (HWCONOAD)

The MEA20 is connected to MD20 via a bus.
It is inserted under the InternalBus node of MD20.

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

1000 Quiet

No abnormal conditions present.

1999 Fault Ack

The event has been acknowledged.

2000 Fault Unack ✓

The event should now be acknowledged by the operator.

Function - (BSCOZOG)

This node represents standard STT20 functions.

It can be inserted below :

- Fire break zone

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

946 Active Unack ✓

The event should now be acknowledged by the operator.

948 Active Unreset ✓

The event should now be reset by the operator.

950 Active ✓

1000 Quiet ✓

No abnormal conditions present.

1300 Disarmed ✓

1998 Fault Unreset ✓

The event should now be reset by the operator.

1999 Fault Ack

The event has been acknowledged.

2000 Fault Unack ✓

The event should now be acknowledged by the operator.

Stop Fan Function - (BSCOZOG)

This node represents Stop Fan STT20 functions.

It can be inserted below :

- Smoke out Zone

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

950 Active



1000 Quiet



No abnormal conditions present.

Extinguishing Function - (BSEXZOG)

This node represents Extinguishing control STT20 functions.

It can be inserted below :

- Extinguishing zone

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

946 Active Unack ✓

The event should now be acknowledged by the operator.

947 Active Ack

The event has been acknowledged.

1000 Quiet

No abnormal conditions present.

1999 Fault Ack

The event has been acknowledged.

2000 Fault Unack ✓

The event should now be acknowledged by the operator.

HLB Function - (BSCOZOG E)

This node represents standard STT20 functions used to manage alarms into High Level Buildings.

It can be inserted below :

- HLB Alarm zone

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

1000 Quiet

✓

No abnormal conditions present.

1351 Anomaly Ack

✓

The event has been acknowledged.

1400 Disconnected

✓

1999 Fault Ack

✓

The event has been acknowledged.

2000 Fault Unack

✓

✓

The event should now be acknowledged by the operator.

BOP Function - (BSCOZOG E)

This node represents STT20 functions used to manage alarms into Buildings Open to Public

It can be inserted below :

- BOP Alarm Zone

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

950 Active

✓ ✓

1000 Quiet

✓

No abnormal conditions present.

1316 Manual

✓

1351 Anomaly Ack

✓

The event has been acknowledged.

1400 Disconnected

✓

1999 Fault Ack

✓

The event has been acknowledged.

2000 Fault Unack

✓

✓

The event should now be acknowledged by the operator.

Fire Technical Function - (FICOZOG)

This node represents SDI Technical STT20 functions.

It can be inserted below :

- Technical Zone

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

950 Active



1000 Quiet



No abnormal conditions present.

Technical Function - (BSCOZOG E)

This node represents technical CMSI STT20 functions.

It can be inserted below :

- Technical Zone

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

946 Active Unack ✓ ✓

The event should now be acknowledged by the operator.

948 Active Unreset ✓ ✓

The event should now be reset by the operator.

950 Active ✓

1000 Quiet ✓

No abnormal conditions present.

1998 Fault Unreset ✓ ✓

The event should now be reset by the operator.

1999 Fault Ack ✓

The event has been acknowledged.

2000 Fault Unack ✓ ✓

The event should now be acknowledged by the operator.

Power Supply Function - (BSCOPSGE)

This node represents Power Supply control STT20 functions.

It can be inserted below :

- Technical zone

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

1000 Quiet

No abnormal conditions present.

1999 Fault Ack

The event has been acknowledged.

2000 Fault Unack

✓

The event should now be acknowledged by the operator.

Element - (BSCODEAD)

Represents a DES (Security Electronic Device) managed by a MEA20

This node is inserted below :

- Fire break and Smoke out functions

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

946 Active Unack ✓

The event should now be acknowledged by the operator.

947 Active Ack

The event has been acknowledged.

1000 Quiet

No abnormal conditions present.

1999 Fault Ack

The event has been acknowledged.

2000 Fault Unack ✓

The event should now be acknowledged by the operator.

Extinguishing Element - (BSEXDEAD)

Represents a Extinguishing Control Box managed by a MEA20

This node is inserted below :

- extinguishing functions

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

946 Active Unack ✓

The event should now be acknowledged by the operator.

947 Active Ack

The event has been acknowledged.

1000 Quiet

No abnormal conditions present.

1999 Fault Ack

The event has been acknowledged.

2000 Fault Unack ✓

The event should now be acknowledged by the operator.

Power Supply Element - (BSCODEAD)

Represents a Power Supply Control Element managed by a MEA20

This node is inserted below :

- power supply functions

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

1000 Quiet

No abnormal conditions present.

1999 Fault Ack

The event has been acknowledged.

2000 Fault Unack ✓

The event should now be acknowledged by the operator.

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Document no.	009847_a_en		
Edition	06.2006		