

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
Physical Tree	Obj. Name: UDUDOLPH	NT ID: 210
Buzzer	Obj. Name: BSCOHOIT	NT ID: 11
I/O Folder	Obj. Name: HWNOOLGE	NT ID: 13
MC Input/output	Obj. Name: BSCOIOBI	NT ID: 22
TAE x	Obj. Name: HWNOCTPH	NT ID: 14
MD x	Obj. Name: HWCOPDPH	NT ID: 16
I/O Folder	Obj. Name: HWNOOLGE	NT ID: 13
Input	Obj. Name: BSCOINBI	NT ID: 23
Output	Obj. Name: BSCOUBI	NT ID: 24
Internal Bus	Obj. Name: HWCMLIIT	NT ID: 20
MEAX	Obj. Name: HWCONOAD	NT ID: 30
Power Supply	Obj. Name: HWNOPSGE	NT ID: 10
Battery	Obj. Name: BSCOPSAX	NT ID: 250
Mains	Obj. Name: BSCOPSMN	NT ID: 251
Activation Mode	Obj. Name: BSCOALGE	NT ID: 255
Fire Links Folder	Obj. Name: UDNOOLGE	NT ID: 12
Fire Link	Obj. Name: UDCOLIET	NT ID: 21
Power Supply	Obj. Name: HWNOPSGE	NT ID: 10
Mains	Obj. Name: BSCOPSMN	NT ID: 251
Battery	Obj. Name: BSCOPSAX	NT ID: 250
US Link	Obj. Name: HWCMLIPH	NT ID: 15
Power Supply	Obj. Name: HWNOPSGE	NT ID: 10
Mains	Obj. Name: BSCOPSMN	NT ID: 251

Battery	Obj. Name: BSCOPSAX	NT ID: 250
Logical Tree	Obj. Name: UDUDOLLO	NT ID: 211
Building	Obj. Name: BSCOARSU	NT ID: 220
Sector	Obj. Name: BSCOSESU	NT ID: 230
Fire break Zone	Obj. Name: BSCOZOSU	NT ID: 240
Function	Obj. Name: BSCOZOGE	NT ID: 50
Element	Obj. Name: BSCODEGE	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: BSCOZOGE	NT ID: 50
Element	Obj. Name: BSCODEGE	NT ID: 60
Link to Element (Common DAS)	Obj. Name:	NT ID: 100
Stop Fan Function	Obj. Name: BSCOZOSI	NT ID: 51
Element	Obj. Name: BSCODEGE	NT ID: 60
Link to Element (Common DAS)	Obj. Name:	NT ID: 100
Fire Technical Function	Obj. Name: FICOZOGE	NT ID: 55
Element	Obj. Name: BSCODEGE	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: BSCOZOSV	NT ID: 53
Element	Obj. Name: BSCODEGE	NT ID: 60
Link to Element (Common DAS)	Obj. Name:	NT ID: 100
Horn	Obj. Name: BSCMHOGGE	NT ID: 252
Evacuation Mode	Obj. Name: BSCOORGE	NT ID: 253
BOP Alarm Zone	Obj. Name: BSCOZOSU	NT ID: 244
BOP Function	Obj. Name: BSCOZOAL	NT ID: 54

Element	Obj. Name: BSCODEGE	NT ID: 60
Link to Element (Common DAS)	Obj. Name:	NT ID: 100
Horn	Obj. Name: BSCMHOGE	NT ID: 252
Evacuation Mode	Obj. Name: BSCOORGE	NT ID: 253

Technical Zone	Obj. Name: BSCOZOSU	NT ID: 245
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Technical Function	Obj. Name: BSCOZOUZ	NT ID: 56
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Element	Obj. Name: BSCODEGE	NT ID: 60
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Link to Element (Common DAS)	Obj. Name:	NT ID: 100
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Fire Technical Function	Obj. Name: FICOZOGE	NT ID: 55
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Element	Obj. Name: BSCODEGE	NT ID: 60
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Link to Element (Common DAS)	Obj. Name:	NT ID: 100
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Power Supply Function	Obj. Name: BSCOPSGE	NT ID: 57
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Power Supply Element	Obj. Name: BSCODEAD	NT ID: 62
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Mains	Obj. Name: BSCOPSMN	NT ID: 251
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Battery	Obj. Name: BSCOPSAX	NT ID: 250
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Extinguishing Zone	Obj. Name: BSCOZOSU	NT ID: 242
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Extinguishing Function	Obj. Name: BSEXZOGE	NT ID: 52
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Extinguishing Element	Obj. Name: BSEXDEAD	NT ID: 61
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Common or remote DAS Folder	Obj. Name: BSUDOLEL	NT ID: 221
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Element	Obj. Name: BSCODEGE	NT ID: 60
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BACnet Object folder	Obj. Name: UDUDOLGE	NT ID: 257
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Notification Class	Obj. Name: UDUDNCUD	NT ID: 4
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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

500 Alarm Unack ✓

Almost one function is activated.
The event should now be acknowledged by the operator.

501 Alarm Ack

The event has been acknowledged.

502 Alarm Unreset ✓

Almost one function is activated.
The event should now be reset by the operator.

510 Alarm & Fault Unack ✓

This event is the combination of the Alarm and Fault state. The event should now be acknowledged by the operator

511 Alarm & Fault Ack

This event is the combination of the Alarm and Fault state. The event has been acknowledged.

512 Alarm & Fault Unreset ✓

This event is the combination of the Alarm and Fault state. The event should now be reset by the operator.

946 Active Unack ✓

The event should now be acknowledged by the operator.

947 Active Ack

The event has been acknowledged.

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.

1369 Not Aligned

The control unit is not aligned to the field.

1370 Alignment In Progress

The alignment fase is in progress.

1999 Fault Ack

General fault is on.

The event has been acknowledged.

2000 Fault Unack



General fault is on.

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

801 Prealarm Ack

A fault safety position has been detected.
The event has been acknowledged.

811 Prealarm & Fault Ack

This event is the combination of a fault safety position and another fault state.The event has been acknowledged.

950 Active

1000 Quiet

No abnormal conditions present.

1200 Armed

1351 Anomaly Ack

A wait position fault has been detected.
The event has been acknowledged.

1400 Disconnected

1999 Fault Ack

A fault has been detected.
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.

Fire Links Folder - (UDNOOLGE)

Generic node to put together all the FireLink objects.
It is 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

1000 Quiet

No abnormal conditions present.

I/O Folder - (HWNOOLGE)

Generic node to put together all the input/output objects.
It is created under the STT20 and 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.

TAE x - (HWNOCTPH)

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

Each STT20 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.

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 connection is not operational.
The event has been acknowledged.

2000 Fault Unack ✓

The connection is not operational.
The event should now be acknowledged by the operator.

MD x - (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:

2 InternalBus (B-Bus) - for MC20 connection

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.

Each STT20 can be controlled by

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 connection is not operational.
The event has been acknowledged.

2000 Fault Unack ✓

The connection is not operational.
The event should now be acknowledged by the operator.

MC Input/output - (BSCOIOBI)

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

The STT20 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

950 Active

1000 Quiet

No abnormal conditions present.

Input - (BSCOINBI)

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

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

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.

Output - (BSCOOUBI)

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

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

950 Active

1000 Quiet

No abnormal conditions present.

MEAX - (HWCONOAD)

The MEAX is connected to MDX via a bus.
It is inserted under the InternalBus node of MDX.

Each MDX supports up to 64 (2x32) MEAX

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 E)

This node represents standard STT20 functions.
It can be inserted below fire break zone or 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

800 Prealarm Unack ✓

A safety position fault has been detected.
The event should now be acknowledged by the operator.

801 Prealarm Ack

The event has been acknowledged.

802 Prealarm Unreset ✓

A safety position fault was detected.
The event should now be reset by the operator.

810 Prealarm & Fault Unack ✓

This event is the combination of the safety position fault and the line fault state. The event should now be acknowledged by the operator.

811 Prealarm & Fault Ack

This event is the combination of the safety position fault and the line fault state. The event has been acknowledged.

812 Prealarm & Fault Unreset ✓

This event is the combination of the safety position fault and the line fault state. The event should now be reset by the operator.

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 ✓

1305 Disarmed Ack ✓

The event has been acknowledged.

1306 Disarmed Unack ✓ ✓

The event should now be acknowledged by the operator.

1351 Anomaly Ack ✓

A wait position fault has been detected.

The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

A wait position fault has been detected.

The event should now be acknowledged by the operator.

1999 Fault Ack ✓

A line fault has been detected.

The event has been acknowledged.

2000 Fault Unack ✓ ✓

A line fault has been detected.

The event should now be acknowledged by the operator.

Stop Fan Function - (BSCOZOSI)

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

946 Active Unack ✓

The event should now be acknowledged by the operator.

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.

1351 Anomaly Ack

The extinguishing system reports a fault.

The event has been acknowledged.

1352 Anomaly Unack ✓

The extinguishing system reports a fault.

The event should now be acknowledged by the operator.

1999 Fault Ack

A fault occurred.

The event has been acknowledged.

2000 Fault Unack ✓

A fault occurred.

The event should now be acknowledged by the operator.

HLB Function - (BSCOZOSV)

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.

1200 Armed

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 - (BSCOZOAL)

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

500 Alarm Unack ✓

The event should now be acknowledged by the operator.

501 Alarm Ack

The event has been acknowledged.

502 Alarm Unreset ✓

The event should now be reset by the operator.

510 Alarm & Fault Unack ✓

This event is the combination of the Alarm and Fault state. The event should now be acknowledged by the operator

511 Alarm & Fault Ack

This event is the combination of the Alarm and Fault state. The event has been acknowledged.

512 Alarm & Fault Unreset ✓

This event is the combination of the Alarm and Fault state. The event should now be reset by the operator.

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.

1200 Armed

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

946 Active Unack ✓

The event should now be acknowledged by the operator.

950 Active

1000 Quiet

No abnormal conditions present.

Technical Function - (BSCOZOU)

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

800 Prealarm Unack ✓

A safety position fault has been detected.

The event should now be acknowledged by the operator.

801 Prealarm Ack

The event has been acknowledged.

802 Prealarm Unreset ✓

A safety position fault was detected.

The event should now be reset by the operator.

810 Prealarm & Fault Unack ✓

This event is the combination of the safety position fault and the line fault.

The event should now be acknowledged by the operator.

811 Prealarm & Fault Ack

This event is the combination of the safety position fault and the line fault.

The event has been acknowledged.

812 Prealarm & Fault Unreset ✓

This event is the combination of the safety position fault and the line fault.

The event should now be reset by the operator.

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

The function is locked.

1351 Anomaly Ack

✓

A wait position fault has been detected.
The event has been acknowledged.

1352 Anomaly Unack

✓

✓

A wait position fault has been detected.
The event should now be acknowledged by the operator.

1999 Fault Ack

✓

A line fault has been detected.
The event has been acknowledged.

2000 Fault Unack

✓

✓

A line fault has been detected.
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 - (BSCODEGE)

Represents a DES (Security Electronic Device) managed by a MEA20
This node is inserted below a fire break function or smoke out function, or stop fan functions, orHLB and BOP functions or technical and fire technical 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

800 Prealarm Unack ✓

A safety position fault has been detected.
The event should now be acknowledged by the operator.

801 Prealarm Ack

A safety position fault has been detected.
The event has been acknowledged.

810 Prealarm & Fault Unack ✓

This event is the combination of a safety position fault and a line fault state.The event should now be acknowledged by the operator.

811 Prealarm & Fault Ack

This event is the combination of a safety position fault and a line fault state.
The event has been acknowledged.

946 Active Unack ✓

The event should now be acknowledged by the operator.

950 Active

1000 Quiet

No abnormal conditions present.

1351 Anomaly Ack

A wait position fault has been detected.
The event has been acknowledged.

1352 Anomaly Unack ✓

A wait position fault has been detected.
The event should now be acknowledged by the operator.

1999 Fault Ack

A line fault has been detected
The event has been acknowledged.

2000 Fault Unack ✓

A line fault has been detected.
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.

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.

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.

[Link to Element \(Common DAS\) - \(\)](#)

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.

Physical Tree - (UDUDOLPH)

The Physical Tree contains the physical organisations of 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.

Logical Tree - (UDUDOLLO)

Logical organisation 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.

Building - (BSCOARSU)

Logical building used by all the STT20 connected on the same CerLoop.

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.

Common or remote DAS Folder - (BSUDOLEL)

This object is one of the following:
a) a folder for the Common DAS objects
b) a folder for the remote DAS objects

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.

Sector - (BSCOSESU)

Logical geographical sector used by all the STT20 on the same CerLoop.

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.

Fire break Zone - (BSCOZOSU)

This folder will contain all fire break Functions of the STT20.

Children can be :

- Function (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.

Smoke out Zone - (BSCOZOSU)

This folder will contain all smoke out Functions of the STT20.

Children can be :

- Function (STT20)

- Stop Fan Function (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.

Extinguishing Zone - (BSCOZOSU)

This folder will contain all extinguishing Functions of the STT20

Children can be :

- Extinguishing Function (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.

HLB Alarm Zone - (BSCOZOSU)

This folder will contain all HLB Functions of the STT20
Children can be :
- HLB Function (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.

BOP Alarm Zone - (BSCOZOSU)

This folder will contain all BOP Functions of the STT20

Children can be :

- BOP Function (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.

Technical Zone - (BSCOZOSU)

This folder will contain all technical Functions of the STT20
Children can be : - Technical Function, Fire Technical Function,- Power Supply Function.

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.

Battery - (BSCOPSAX)

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 power supply reports a battery fault.
The event has been acknowledged.

2000 Fault Unack ✓

The power supply reports a battery fault.
The event should now be acknowledged by the operator.

Mains - (BSCOPSMN)

This node class is a mains power supply for the MC or for the MCO or for a MD.

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 power supply reports a mains fault.
The event has been acknowledged.

2000 Fault Unack ✓

The power supply reports a mains fault.
The event should now be acknowledged by the operator.

Horn - (BSCMHOGE)

The horn is linked to HLB alarm and BOP alarm 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.

1300 Disarmed

Horn is disabled.

Evacuation Mode - (BSCOORGE)

The evacuation mode is linked to BOP alarm 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.

1351 Anomaly Ack

The event has been acknowledged.

Activation Mode - (BSCOALGE)

This object indicates which activation can occur on the STT20. Modes of activation depend on which communication link is reliable or not with SDI

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 communication with the one SDI is faulty but not all of them.
The event has been acknowledged.

1352 Anomaly Unack ✓

The communication with the one SDI is faulty but not all of them.
The event should now be acknowledged by the operator.

1999 Fault Ack

All the communications with the SDI are faulty.
The event has been acknowledged.

2000 Fault Unack ✓

All the communications with the SDI are faulty.
The event should now be acknowledged by the operator.

Rearming Function - (BSCOZOLO)

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 function is commanded.
The event should now be acknowledged by the operator.

950 Active

1000 Quiet

No abnormal conditions present.

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