

SIEMENS

***MK8000 OPC Server Interface
Specification for FC20 Panel***

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FC20 Panel

Summary view

FC20 Panel Model

FC20	Obj. Name: FIDEAPMN	NT ID: 1
Physical Tree	Obj. Name: UDUDOLMN	NT ID: 2
Module Power Supply	Obj. Name: HWNOPSGE	NT ID: 4
Submodule P2 Element	Obj. Name: HWCODCEL	NT ID: 11
Generic Link	Obj. Name: UDUDEGE	NT ID: 80
Submodule Communication Element	Obj. Name: HWCMLIGE	NT ID: 12
Device Generic	Obj. Name: HWCODEPH	NT ID: 15
Asd Channel	Obj. Name: FIDEDCPH	NT ID: 131
Submodule Degrade Element	Obj. Name: HWCODGEL	NT ID: 13
Submodule License Element	Obj. Name: HWCOLCEL	NT ID: 14
Physical Channel	Obj. Name: HWDEDCPH	NT ID: 16
Transponder Channel	Obj. Name: HWDETRPH	NT ID: 17
Module Evacuation	Obj. Name: HWCOEVEL	NT ID: 5
Module Fba	Obj. Name: HWCOICAX	NT ID: 6
Module I/O	Obj. Name: HWCOICMN	NT ID: 7
PMI	Obj. Name: HWNOCTPM	NT ID: 75
Expanded visibility PMI	Obj. Name: HWNOCCPM	NT ID: 135
StandBy Pmi	Obj. Name: HWNOSIPM	NT ID: 136
Module Vds	Obj. Name: HWVDICAX	NT ID: 8
Module P2	Obj. Name: HWCODCMN	NT ID: 9
Module FCI	Obj. Name: HWCOPDMN	NT ID: 10
Nac Submodule	Obj. Name: HWCOICGE	NT ID: 130
FloorRepeaterConfigGroup	Obj. Name: HWCORPCF	NT ID: 19
Config Fsd Elem	Obj. Name: HWNONOKC	NT ID: 134

Fsd Input Log channel	Obj. Name: FIVDINGE	NT ID: 139
Fsd OutputLog channel	Obj. Name: FIVDOUGE	NT ID: 140
EvacuationConfigGroup	Obj. Name: HWC OE VCF	NT ID: 20
Module Collective	Obj. Name: HWC ODCCO	NT ID: 109
Submodule Collective	Obj. Name: HWC OD CGE	NT ID: 112
Module Ethernet	Obj. Name: HWC MN WPH	NT ID: 110
Module Ms9	Obj. Name: HWDEIOPH	NT ID: 111
Submodule Ms9	Obj. Name: HWC O IOEL	NT ID: 113
BACnet Client	Obj. Name: MGCMNWRE	NT ID: 114
Network	Obj. Name: HWDENWEL	NT ID: 72
ModuleReleasingElem	Obj. Name: HWEXEXGE	NT ID: 132
CPU Module	Obj. Name: HWNOPOGE	NT ID: 145
Firmware SubModule	Obj. Name: HWCOPGGE	NT ID: 147
RtModule	Obj. Name: HWC MRCGE	NT ID: 146
Logical Tree	Obj. Name: UDUDOLMN	NT ID: 3
Verification Alarm	Obj. Name: FIDEVFAL	NT ID: 40
Verification Intervention	Obj. Name: FIDEVFEL	NT ID: 41
Area	Obj. Name: FIDEARRO	NT ID: 26
Section	Obj. Name: FIDESEGE	NT ID: 27
Automatic Zone	Obj. Name: FIDEZOAU	NT ID: 28
Input channel	Obj. Name: BSDEINEL	NT ID: 33
Base Sounder	Obj. Name: FIDEHOEL	NT ID: 39
Wired Automatic channel	Obj. Name: FIDEDEGE	NT ID: 34
Wireless Automatic channel	Obj. Name: FIDEDEWR	NT ID: 35
Wired Manual channel	Obj. Name: FIDECPGE	NT ID: 36
Wireless Manual channel	Obj. Name: FIDECPWR	NT ID: 37

Collective channel	Obj. Name: FIDEDECO	NT ID: 38
Gas channel	Obj. Name: GSDEDEGE	NT ID: 116
Sprinkler Zone	Obj. Name: FIDEZOSP	NT ID: 29
Manual FSE Zone	Obj. Name: FIDEZOZE	NT ID: 30
Manual Zone	Obj. Name: FIDEZOMA	NT ID: 31
Technical Zone	Obj. Name: BSCOZOGE	NT ID: 32
Single Gas Alarm Zone	Obj. Name: GSDEZOAU	NT ID: 90
Gas Warning Zone	Obj. Name: GSDEZOGE	NT ID: 91
Exting preAlarm zone	Obj. Name: FIEXZOAU	NT ID: 93
Multiple automatic zone	Obj. Name: FIDEZOMU	NT ID: 95
Technical Zone sub-system off	Obj. Name: BSCOZORE	NT ID: 99
Single Exting Discharged Zone	Obj. Name: FIEXZOSI	NT ID: 102
Alarm sub-system zone	Obj. Name: FIDEZOAL	NT ID: 103
Manual Alarm Sub-system zone	Obj. Name: FIDEZOMA	NT ID: 97
TechnicalFault sub-system Zone	Obj. Name: BSCOZOFL	NT ID: 101
TechnicalFault ext.system	Obj. Name: BSEXZOFL	NT ID: 104
Sprinkler automatic zone	Obj. Name: FIEXZOSP	NT ID: 106
Multi Dependency Zone	Obj. Name: FIDEZOBA	NT ID: 119
Manual Redundacy Alarm	Obj. Name: FIDEZOAX	NT ID: 120
Technical Gas Zone	Obj. Name: GSCOZOAL	NT ID: 121
Fire Subsystem Zone	Obj. Name: FIDAZOUD	NT ID: 122
Standard Gas Zone	Obj. Name: GSDEZOAU	NT ID: 150
Station Area	Obj. Name: FIDEARPR	NT ID: 115
Alarm Control Group	Obj. Name: BSCOZOAL	NT ID: 42
Evac Control	Obj. Name: BSCOEVEL	NT ID: 46
Cause Group	Obj. Name: UDUDCUGE	NT ID: 54

ByPassable input	Obj. Name: BSCOBIEL	NT ID: 56
Non Bypassable input	Obj. Name: BSCOINEL	NT ID: 57
Cause Incident Generic	Obj. Name: UDUDCUEL	NT ID: 76
Output Subsystem	Obj. Name: FIDAOUEL	NT ID: 128
Effect Group	Obj. Name: BSUDEFGE	NT ID: 55
Generic Output	Obj. Name: BSCOOUEL	NT ID: 58
Fire Output	Obj. Name: FICOOUEL	NT ID: 59
RtOutput	Obj. Name: BSCORCGE	NT ID: 60
RtVds Output	Obj. Name: BSVDRCGE	NT ID: 61
Sounders	Obj. Name: BSCOHCGE	NT ID: 62
FireEffect Request	Obj. Name: FIDEEFEL	NT ID: 63
SprinklerEffect Request	Obj. Name: FIEXEFEL	NT ID: 64
Alert Sounders	Obj. Name: BSCOHCAL	NT ID: 77
AlertEvac Sounders	Obj. Name: BSCOHCOT	NT ID: 78
Evac Sounders	Obj. Name: BSCOHCEE	NT ID: 79
LED output	Obj. Name: FICOOUGE	NT ID: 143
Fire Control	Obj. Name: FICOUDGE	NT ID: 47
AlarmControl	Obj. Name: BSCODCEL	NT ID: 48
RtDevice Control	Obj. Name: FICORHOT	NT ID: 49
RtFault Control	Obj. Name: FICORHFL	NT ID: 50
RtFire Control	Obj. Name: FICORHAL	NT ID: 51
RtSounder Control	Obj. Name: FICORHEL	NT ID: 52
Sprinkler Control	Obj. Name: BSCODCSP	NT ID: 53
Evac Uni Control	Obj. Name: BSCOEVMN	NT ID: 73
XC10 Elem	Obj. Name: BSEXDCSP	NT ID: 74
Counter Control Group	Obj. Name: FICOZOSU	NT ID: 108

Counter Control Alarm	Obj. Name: FICOZOAL	NT ID: 118
Control LED	Obj. Name: FICOOUSU	NT ID: 142
Evac Control Group	Obj. Name: BSCOEVGE	NT ID: 43
Extinguishing Control Group	Obj. Name: BSEXZOG	NT ID: 44
Fire Control Group	Obj. Name: FICOZOG	NT ID: 45
System Buzzer	Obj. Name: FIDEHCMN	NT ID: 133
Releasing Control Group	Obj. Name: FIEXZOAX	NT ID: 141
Releasing output channel	Obj. Name: FIEXOUEL	NT ID: 144
Verification walktest	Obj. Name: FIDEVFGE	NT ID: 149
BACNet Objects folder	Obj. Name: UDUDOLMN	NT ID: 68
Undefined event	Obj. Name: SYNOUDGE	NT ID: 67
PrinterConfiguration	Obj. Name: HWNOPRGE	NT ID: 21
ConfigEvacElem	Obj. Name: HWNOEVCF	NT ID: 22
GenericConfigurationElem	Obj. Name: HWNONOCF	NT ID: 23
UgaConfigurationElem	Obj. Name: HWNOUACF	NT ID: 24
ControlUgaElem	Obj. Name: HWNOUAEL	NT ID: 25

FC20 - (FIDEAPMN)

FC20 Panel.
The Panel represents an entire FS20 host (panel or terminal) with respect to the process information. Also, a BACnet Device object is associated so that each host can be addressed as an individual node in the BACnet inter-network. The FC30 and FC60 Panels have the same behaviour.

	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
802	Prealarm Unreset		✓								✓	✓	✓
The Control Unit event queue was deleted. The event should now be reset by the operator.													
810	Prealarm & Fault Unack	✓									✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event should now be acknowledged by the operator.													
811	Prealarm & Fault Ack										✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event has been acknowledged.													
812	Prealarm & Fault Unreset		✓								✓	✓	✓
This event is the combination of the Prealarm and Fault state. The event should now be reset by the operator.													
1000	Quiet										✓	✓	✓
The subsystem is reachable. No abnormal conditions present. The Manual command activate all sounders. The Block command deactivate all the sounders.													
1300	Disarmed										✓	✓	✓
The control unit configuration is not aligned with the management station configuration.													
1351	Anomaly Ack										✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event has been acknowledged.													
1352	Anomaly Unack	✓									✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event should now be acknowledged by the operator.													

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

✓

✓

✓

The panel is faulty. The event has been acknowledged.

2000 Fault Unack

✓

✓

✓

✓

Panel is faulty. The event should now be acknowledged by the operator.

Physical Tree - (UDUDOLMN)

This object is a folder that contains all the Physical device 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.

Logical Tree - (UDUDOLMN)

This object is a folder that contains all the logical device 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.

Module Power Supply - (HWNOPSGE)

Power Supply Module.

The Module is a pluggable part of an FS20 host. It can be sub-divided into submodules. Among the Modules, the Power Supply Module has a specific designation.

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 module is found newly in the system. The event has been acknowledged.

1352 Anomaly Unack ✓

The module is found newly in the system. The event should now be acknowledged by the operator.

1999 Fault Ack

The module is in fault. The event has been acknowledged.

2000 Fault Unack ✓

The module is in fault. The event should now be acknowledged by the operator.

Module Evacuation - (HWC OEVEL)

Evacuation Module.

The Module is a pluggable part of an FS20 host. It can be sub-divided into submodules. Among the Modules, the Evacuation Module has a specific designation.

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 module is found newly in the system. The event has been acknowledged.

1352 Anomaly Unack ✓

The module is found newly in the system. The event should now be acknowledged by the operator.

1999 Fault Ack

The module is in fault. The event has been acknowledged.

2000 Fault Unack ✓

The module is in fault. The event should now be acknowledged by the operator.

Module Fba - (HWCOICAX)

I/O module for peripherals.

The Module is a pluggable part of an FS20 host. It can be sub-divided into submodules. Among the Modules, the Fba I/O Module has a specific designation.

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 module is found newly in the system. The event has been acknowledged.

1352 Anomaly Unack ✓

The module is found newly in the system. The event should now be acknowledged by the operator.

1999 Fault Ack

The module is in fault. The event has been acknowledged.

2000 Fault Unack ✓

The module is in fault. The event should now be acknowledged by the operator.

Module I/O - (HWC0ICMN)

General I/O control module.

The Module is a pluggable part of an FS20 host. It can be sub-divided into submodules. Among the Modules, the I/O Module has a specific designation.

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 module is found newly in the system. The event has been acknowledged.

1352 Anomaly Unack ✓

The module is found newly in the system. The event should now be acknowledged by the operator.

1999 Fault Ack

The module is in fault. The event has been acknowledged.

2000 Fault Unack ✓

The module is in fault. The event should now be acknowledged by the operator.

Module Vds - (HWVDICAX)

I/O Module for VdS peripherals.

The Module is a pluggable part of an FS20 host. It can be sub-divided into submodules. Among the Modules, the I/O Module for VdS has a specific designation.

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 module is found newly in the system. The event has been acknowledged.

1352 Anomaly Unack ✓

The module is found newly in the system. The event should now be acknowledged by the operator.

1999 Fault Ack

The module is in fault. The event has been acknowledged.

2000 Fault Unack ✓

The module is in fault. The event should now be acknowledged by the operator.

Module P2 - (HWCODCMN)

P2 Field Bus Module.

The Module is a pluggable part of an FS20 host. It can be sub-divided into submodules. Among the Modules, the P2 module has a specific designation.

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 module is found newly in the system. The event has been acknowledged.

1352 Anomaly Unack ✓

The module is found newly in the system. The event should now be acknowledged by the operator.

1999 Fault Ack

The module is in fault. The event has been acknowledged.

2000 Fault Unack ✓

The module is in fault. The event should now be acknowledged by the operator.

Module FCI - (HWCOPDMN)

FCI Periphery Board Module.

The Module is a pluggable part of an FS20 host. It can be sub-divided into Submodules. Among the Modules, the FCI module has a specific designation.

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 module is found newly in the system. The event has been acknowledged.

1352 Anomaly Unack ✓

The module is found newly in the system. The event should now be acknowledged by the operator.

1999 Fault Ack

The module is in fault. The event has been acknowledged.

2000 Fault Unack ✓

The module is in fault. The event should now be acknowledged by the operator.

Submodule P2 Element - (HWCODCEL)

P2 Element Submodule.

The Submodule is a functional part of a Module. In general, Submodules just evaluate a fault, but the the Line Submodule may also evaluate alarms. This object represents a P2 field bus.

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

500 Alarm Unack ✓ ✓

This line has evaluated a collective automatic fire alarm.The event should now be acknowledged by the operator.

502 Alarm Unreset ✓ ✓

This line has evaluated a collective automatic fire alarm. The event should now be reset by the operator.

510 Alarm & Fault Unack ✓ ✓

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

511 Alarm & Fault Ack ✓

This event is the combination of a collective automatic fire Alarm and a Fault state. The event has been acknowledged.

512 Alarm & Fault Unreset ✓ ✓

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

1000 Quiet ✓

No abnormal conditions present.

1300 Disarmed ✓

The module is excluded.

1351 Anomaly Ack ✓

This line has evaluated an abnormal condition. The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

This line has evaluated an abnormal condition. The event should now be acknowledged by the operator.

1999 Fault Ack ✓

This line evaluates one fault. The event has been acknowledged.

2000 Fault Unack ✓ ✓

This line evaluates a fault. The event should now be acknowledged by the operator.

Submodule Communication Element - (HWCMLIGE)

Communication Element Submodule.

The Submodule is a functional part of a Module meant for evaluating faults.

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 sub-module evaluates a fault. The event has been acknowledged.

2000 Fault Unack



The sub-module evaluates a fault. The event should now be acknowledged by the operator.

Submodule Degrade Element - (HWCODGEL)

Degrade Element Submodule.

The Submodule is a functional part of a Module. In general, Submodules just evaluate a fault, but the Degrade Submodule may also evaluate alarms.

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 Degrade Submodule has evaluated a degrade fire alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓

The Degrade Submodule has evaluated a degrade fire alarm. The event should now be reset by the operator.

510 Alarm & Fault Unack ✓

This event is the combination of a degrade fire Alarm and a module-Fault state. The event should now be acknowledged by the operator

511 Alarm & Fault Ack

This event is the combination of a degrade fire Alarm and a module-Fault state. The event has been acknowledged.

512 Alarm & Fault Unreset ✓

This event is the combination of a degrade fire Alarm and a module-Fault state. The event should now be reset by the operator.

1000 Quiet

No abnormal conditions present.

1351 Anomaly Ack

The module has evaluate a anomaly condition. (configuration, degrade)
The event has been acknowledged.

1352 Anomaly Unack ✓

The module has evaluate a anomaly condition. (configuration, degrade)
The event should now be acknowledged by the operator.

1999 Fault Ack

The sub-module evaluates a fault out of : faultSystem-Module, ModuleMissing, ModuleIncompatible. The event has been acknowledged.

2000 Fault Unack



The sub-module evaluates a fault out of : faultSystem-Module, ModuleMissing, ModuleIncompatible. The event should now be acknowledged by the operator.

Submodule License Element - (HWCOLCEL)

License Element Submodule.

The Submodule is a functional part of a Module meant for evaluating faults.

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 sub-module evaluates a fault out of: faultSytemModule, ModuleMissing, ModuleIncompatible. The event has been acknowledged.

2000 Fault Unack



The sub-module evaluates a fault out of: faultSytemModule, ModuleMissing, ModuleIncompatible. The event should now be acknowledged by the operator.

Device Generic - (HWCODEPH)

Generic Device.

The Device represents a peripheral unit on the field bus and consists of Physical Channels. The evaluation of process-relevant information is delegated to the Detection or Control Domain, except the line separator and wireless gateway device.

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 device evaluates any of these system-info: DeviceShortCircuitLoop, DeviceOpenLoop. The event has been acknowledged.

1352 Anomaly Unack ✓

The device evaluates any of these system-info: DeviceShortCircuitLoop, DeviceOpenLoop. The event should now be acknowledged by the operator.

1999 Fault Ack

The object is in fault. The event has been acknowledged.

2000 Fault Unack ✓

The object is in fault. The event should now be acknowledged by the operator.

Physical Channel - (HWDEDCPH)

Physical Channel.

The Physical Channels are used in the physical domain only. Other Channels are specifically used in the control domain. Physical Channels are typically linked to Logical Channels where the process information is evaluated. However, some specific Channels do process this information themselves.

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 object has detect an alarm condition. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓

The FSD physical channel has evaluated an alarm indicating a tamper attempt. The event should now be reset by the operator.

510 Alarm & Fault Unack ✓

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

511 Alarm & Fault Ack

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

512 Alarm & Fault Unreset ✓

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

950 Active

The FSD Physical channel has evaluated any of the following technical states: FsdReleased, FsdOpen.

1000 Quiet

No abnormal conditions present.

1351 Anomaly Ack

The object has detect an anomaly condition. The event has been acknowledged.

1352 Anomaly Unack ✓

The object has detect an anomaly condition. The event should now be acknowledged by the operator.

1999 Fault Ack

The physical channel is in fault. The event has been acknowledged.

2000 Fault Unack



The physical channel is in fault. The event should now be acknowledged by the operator.

Transponder Channel - (HWDETRPH)

These Physical Channels are used in the physical domain only. Other Channels are specifically used in the control domain. Physical Channels usually are linked to Logical Channels where the process information is evaluated. However, some specific Channels do process this information themselves.

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.

FloorRepeaterConfigGroup - (HWCORPCF)

A Config Group element is used for building groups of Config elements. They only are visible in BACnet for building the tree to the Config down from the Panel. The Config Groups are used for pure configuration issues e.g. of the communication.

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.

EvacuationConfigGroup - (HWC0EVCF)

A Config Group element is used for building groups of Config elements. They only are visible in BACnet for building the tree to the Config down from the Panel. The Config Groups are used for pure configuration issues e.g. of the communication.

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.

PrinterConfiguration - (HWNOPRGE)

Printer Configuration Element.

A Config element is a member of the operation tree and is mainly used for the configuration of country-specific operations and view peripherals. Also, some process states can be evaluated and some operation modes are possible. This object represents a printer connected to the 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

1000 Quiet ✓

No abnormal conditions present.

1300 Disarmed ✓

The printer is switched off.

1999 Fault Ack ✓

The printer is not working properly (e.g. paper out, printer buffer overflow, and so on ..) The event has been acknowledged.

2000 Fault Unack ✓ ✓

The printer is not working properly (e.g. paper out, printer buffer overflow, and so on ..) The event should now be acknowledged by the operator.

ConfigEvacElem - (HWNOEVCF)

Evacuation Config Element. A Config element is a member of the operation tree and is mainly used for the configuration of country-specific operations and view peripherals. Also, some process states can be evaluated and some operation modes are possible. This object represent a Config Evac Master or Slave Element.

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 element is in fault. The event has been acknowledged.

2000 Fault Unack ✓

The element is in fault. The event should now be acknowledged by the operator.

GenericConfigurationElem - (HWNONOCF)

Generic Configuration Element.

A Config element is a member of the operation tree and is mainly used for the configuration of country-specific operations and view peripherals. Also, some process states can be evaluated and some operation modes are possible.

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 object has detect an anomaly condition. The event has been acknowledged.

1352 Anomaly Unack ✓

The object has detect an anomaly condition. The event should now be acknowledged by the operator.

1999 Fault Ack

The element is in fault. The event has been acknowledged.

2000 Fault Unack ✓

The element is in fault. The event should now be acknowledged by the operator.

UgaConfigurationElem - (HWNOUACF)

UGA Configuration Element.

The Control Uga is a special application element which is attached to the ControlUgaElem. Despite its name, it has nothing to do with any control tree and is therefore not a member of the control domain. The element evaluates some fault conditions.

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

This UGA config has evaluated a fault of: mains failure, battery failure, earthFault. The event has been acknowledged.

2000 Fault Unack



This UGA config has evaluated a fault of: mains failure, battery failure, earthFault. The event should now be acknowledged by the operator.

ControlUgaElem - (HWNOUAEL)

This Control Uga is a special application element that is attached to the ControlUgaElem. Despite its name, it has nothing to do with any control tree and is therefore not a member of the control domain.

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 ✓ ✓

The UGA Control is activated in normal mode.

1000 Quiet ✓ ✓

No abnormal conditions present.

1300 Disarmed ✓ ✓

The control UGA is switched off or the automatic evacuation is disabled.

1351 Anomaly Ack ✓ ✓

The object has detect an anomaly condition. The event has been acknowledged.

1352 Anomaly Unack ✓ ✓ ✓

The object has detect an anomaly condition. The event should now be acknowledged by the operator.

1999 Fault Ack ✓ ✓

The Control UGA is in fault. The event has been acknowledged.

2000 Fault Unack ✓ ✓ ✓

The Control UGA is in fault. The event should now be acknowledged by the operator.

Area - (FIDEARRO)

Fire Area.

The Area usually controls the alarm organization (manned/unmanned), but it might also be configured to stay in manned or unmanned mode. Further, it provides the same functionality like Sections for switching associated zones (on, off, test etc.).

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 ✓

The Area is in Night mode. No abnormal conditions present.

1100 Test ✓

All sections are in test mode.

1300 Disarmed ✓

1316 Manual ✓

All the area zones are in walktest.

1351 Anomaly Ack ✓

Some area functionalities are switched off or delayed. The event has been acknowledged.

Section - (FIDESEGE)

Fire Section.
The Section can be used to operate a collection of Zones together in a safe and easy way. It provides the functionality for switching to: on, off, fast and test. Note that this is an optional structure, and the same functions could also be performed at Area level.

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 ✓

The section is included.

1100 Test ✓ ✓

All zones belonging to the section are in test mode.

1300 Disarmed ✓

All zones belonging to the section are excluded.

1316 Manual ✓

The zones of the sections are in walk test.

Automatic Zone - (FIDEZOAU)

Zone related to automatic detection.

The Zone is a required element (e.g. EN54-2 regulations) that handles the raw alarm information coming from one or more detectors. Also, it supports several operating modes influencing the sensitivity of the attached detectors. Different kinds of Zones have to be used according the desired purpose.

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 zone is in Alarm. The event should now be acknowledged by the operator.															
502	Alarm Unreset		✓		✓										
The zone is in alarm. The event should now be reset by the operator.															
800	Prealarm Unack	✓			✓										
The zone is in Pre-Alarm. The event should now be acknowledged by the operator.															
802	Prealarm Unreset		✓		✓										
The event should now be reset by the operator.															
1000	Quiet				✓	✓									
The zone is included.															
1100	Test				✓					✓					
The zone is in Test mode.															
1300	Disarmed			✓		✓									
The zone is excluded.															
1316	Manual				✓	✓									
The zone is in walk test.															
1351	Anomaly Ack			✓	✓	✓									

Sprinkler Zone - (FIDEZOSP)

Zone related to sprinklers.

The Zone is a required element (e.g. EN54-2 regulations) that handles the raw alarm information coming from one or more detectors. Also, it supports several operating modes influencing the sensitivity of the attached detectors. Different kinds of Zones have to be used according the desired purpose.

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 object has detect an alarm condition. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓ ✓

The object has detect an alarm condition. The event should now be reset by the operator.

950 Active ✓ ✓

The zone is active.

1000 Quiet ✓ ✓

No abnormal conditions present.

1100 Test ✓ ✓

The zone is in test mode.

1300 Disarmed ✓ ✓

The zone is excluded

1316 Manual ✓ ✓

The zone is in walk test.

1351 Anomaly Ack ✓ ✓

One of the following conditions could be active:
Not Ready, Info Reminder-expired, Criteria fallback.
The event has been acknowledged.

1352 Anomaly Unack



One of the following condition could be active:
Not Ready, Info Reminder-expired, Criteria fallback.
The event has been acknowledged.

Manual FSE Zone - (FIDEZOZE)

Zone related to Fire brigade key releasing units (Freischalt-Element).

The Zone is a required element (e.g. EN54-2 regulations) that handles the raw alarm information coming from one or more detectors. Also, it supports several operating modes influencing the sensitivity of the attached detectors. Different kinds of Zones have to be used according the desired purpose.

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 object is in Alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓ ✓

The object is in Alarm. The event should now be reset by the operator.

1000 Quiet ✓ ✓

The object is in Included. No abnormal conditions present.

1100 Test ✓ ✓

The object is in Test mode.

1300 Disarmed ✓ ✓

The object is in Excluded.

1316 Manual ✓ ✓

The zone is in walk test.

1351 Anomaly Ack ✓ ✓

One of the following conditions could be active:
Info Reminder-expired, Criteria fallback.

1352 Anomaly Unack ✓ ✓ ✓

One of the following conditions could be active:
Info Reminder-expired, Criteria fallback.

Manual Zone - (FIDEZOMA)

Zone related to manual alarm callpoints.

The Zone is a required element (e.g. EN54-2 regulations) that handles the raw alarm information coming from one or more detectors. Also, it supports several operating modes influencing the sensitivity of the attached detectors. Different kinds of Zones have to be used according the desired purpose.

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 object has detect an alarm condition. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓ ✓

The object has detect an alarm condition. The event should now be reset by the operator.

800 Prealarm Unack ✓

The Manual Zone with Two-Stage has reached the first stage that has to be increased specifically.
The event should now be acknowledged by the operator.

802 Prealarm Unreset ✓

The Manual Zone with Two-Stage has reached the first stage that has to be increased specifically.
The event should now be reset by the operator.

1000 Quiet ✓ ✓

No abnormal conditions present.

1100 Test ✓ ✓

The zone is in test mode.

1300 Disarmed ✓ ✓

The zone is excluded.

1316 Manual ✓ ✓

The zone is in walk test.

1351 Anomaly Ack ✓ ✓

One of the following conditions could be active:
Not Ready, Fast mode, Slow mode, Info Reminder-expired, Criteria fallback.
The event has been acknowledged.

1352 Anomaly Unack ✓ ✓ ✓

One of the following conditions could be active:
Not Ready, Fast mode, Slow mode, Info Reminder-expired, Criteria fallback.
The event should now be acknowledged by the operator.

Technical Zone - (BSCOZOG)

Zone related to technical alarms.

The Zone is a required element (e.g. EN54-2 regulations) that handles the raw alarm information coming from one or more detectors. Also, it supports several operating modes influencing the sensitivity of the attached detectors. Different kinds of Zones have to be used according the desired purpose.

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 zone evaluates an alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓ ✓

The zone evaluates an alarm. 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 technical zone evaluates a technical alarm. The event should now be acknowledged by the operator.

948 Active Unreset ✓ ✓ ✓

The technical zone evaluates a technical alarm. The event should now be reset by the operator.

950 Active ✓ ✓

The technical zone evaluates a technical alarm.

1000 Quiet ✓ ✓

No abnormal conditions present.

1100 Test ✓ ✓

The zone is in test mode.

1300 Disarmed ✓ ✓

The zone is excluded.

1316 Manual ✓ ✓

The zone is in walk test.

1351 Anomaly Ack ✓ ✓

One of the following conditions could be active:
Not Ready, Fast mode, Info Reminder-expired, Criteria fallback.
The event has been acknowledged.

1352 Anomaly Unack ✓ ✓ ✓

One of the following conditions could be active:
Not Ready, Fast mode, Slow mode, Info Reminder-expired, Criteria fallback.
The event should now be acknowledged by the operator.

1998 Fault Unreset ✓ ✓ ✓

The zone evaluates a fault. The event should now be reset by the operator.

1999 Fault Ack ✓ ✓

The zone evaluates a fault. The event has been acknowledged.

2000 Fault Unack ✓ ✓ ✓

The zone evaluates a fault. The event should now be acknowledged by the operator.

Input channel - (BSDEINEL)

Logical Input Channel.

The Logical Channels are exclusively used in the logical domain. Specific Sensor Channels handle the information of different kind from detection devices and a Logical Input is used for technical alarms coming from other systems. Logical Channels are configured as all other elements in the detection tree and then linked to Physical Channels during commissioning.

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 channel is in alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓ ✓

The channel is in alarm. The event should now be reset by the operator.

800 Prealarm Unack ✓ ✓

The channel is in prealarm. The event should now be acknowledged by the operator.

802 Prealarm Unreset ✓ ✓

The channel is in prealarm. 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.

950 Active ✓

The channel of a detector is activated in normal mode.

1000 Quiet ✓

No abnormal conditions present.

1100 Test ✓

The logical channel is in test mode.

1140 Test-Active ✓

The channel of a detector is activated in detector test mode (test activation).

1300 Disarmed ✓

The channel of a detector is switched off providing neither activation nor fault information.

1351 Anomaly Ack ✓

The logical input is in an abnormal condition or its off time is expiring. The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

The logical input is in an abnormal condition or its off-time is expiring. The event should now be acknowledged by the operator.

1999 Fault Ack ✓

The channel of a detector is not working correctly. The event has been acknowledged.

2000 Fault Unack ✓ ✓

The channel of a detector is not working correctly. The event should now be acknowledged by the operator.

Wired Automatic channel - (FIDEDEGE)

Wired sensors logical channel.

The Logical Channels are exclusively used in the logical domain. Specific Sensor Channels handle the information of different kind from detection devices and a Logical Input is used for technical alarms coming from other systems. Logical Channels are configured as all other elements in the detection tree and then linked to Physical Channels during commissioning.

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

500 Alarm Unack ✓ ✓

The channel is in alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓ ✓

The channel is in alarm. The event should now be reset by the operator.

800 Prealarm Unack ✓ ✓

The channel is in prealarm. The event should now be acknowledged by the operator.

802 Prealarm Unreset ✓ ✓

The channel is in prealarm. The event should now be reset by the operator.

946 Active Unack ✓ ✓

The channel has been activated. 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.

950 Active ✓

The channel of a detector is activated in normal mode.

1000 Quiet ✓

The detector is included. No abnormal conditions present.

1100 Test ✓

The logical channel is in test mode.

1140 Test-Active ✓

The channel of a detector is activated in detector test mode (test activation).

1300 Disarmed ✓

The channel of a detector is switched off providing neither activation nor fault information.

1351 Anomaly Ack ✓

The automatic sensor channel evaluates one of the following anomalies: deviceOpenLoop, deviceShortCircuitLoop, drift, or its off time is expiring.
The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

The automatic sensor channel evaluates one of the following anomalies: deviceOpenLoop, deviceShortCircuitLoop, drift or its off time is expiring.
The event should now be acknowledged by the operator.

1999 Fault Ack ✓

The channel of a detector is not working correctly. The event has been acknowledged.

2000 Fault Unack ✓ ✓

The channel of a detector is not working correctly. The event should now be acknowledged by the operator.

Wireless Automatic channel - (FIDEDEWR)

Wireless sensors logical channel.

The Logical Channels are exclusively used in the logical domain. Specific Sensor Channels handle the information of different kind from detection devices and a Logical Input is used for technical alarms coming from other systems. Logical Channels are configured as all other elements in the detection tree and then linked to Physical Channels during commissioning.

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 channel is in alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓ ✓

The channel is in alarm. The event should now be reset by the operator.

800 Prealarm Unack ✓ ✓

The channel is in prealarm. The event should now be acknowledged by the operator.

802 Prealarm Unreset ✓ ✓

The channel is in prealarm. The event should now be reset by the operator.

946 Active Unack ✓ ✓

The channel has been activated. 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.

950 Active ✓

The channel of a detector is activated in normal mode.

1000 Quiet ✓

No abnormal conditions present.

1100 Test ✓

The channel is in test mode.

1140 Test-Active ✓

The channel of a detector is activated in test mode.

1300 Disarmed ✓

The channel of a detector is switched off

1351 Anomaly Ack ✓

The detector is in an abnormal condition or its off time is expiring. The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

The detector is in an abnormal condition or its off time is expiring. The event should now be acknowledged by the operator.

1999 Fault Ack ✓

The channel of a detector is not working correctly. The event has been acknowledged.

2000 Fault Unack ✓ ✓

The event should now be acknowledged by the operator.

Wired Manual channel - (FIDECPGE)

Wired manual callpoints logical channel.

The Logical Channels are exclusively used in the logical domain. Specific Sensor Channels handle the information of different kind from detection devices and a Logical Input is used for technical alarms coming from other systems. Logical Channels are configured as all other elements in the detection tree and then linked to Physical Channels during commissioning.

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

500 Alarm Unack ✓ ✓

The channel is in alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓ ✓

The channel is in alarm. The event should now be reset by the operator.

946 Active Unack ✓ ✓

The channel has been activated. 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.

950 Active ✓

The channel of a detector is activated in normal mode.

1000 Quiet ✓

No abnormal conditions present.

1100 Test ✓

This channel of a detector is switched to detector test mode.

1140 Test-Active ✓

This channel of a detector is activated in detector test mode.

1300 Disarmed ✓

The channel of the detector is switched off providing neither activation nor fault information except not-ready.

1351 Anomaly Ack ✓

The detector channel evaluates an abnormal condition or its off time is expiring. The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

The detector channel evaluates an abnormal condition or its off time is expiring. The event should now be acknowledged by the operator.

1999 Fault Ack ✓

The channel of a detector is not working correctly. The event has been acknowledged.

2000 Fault Unack ✓ ✓

The channel of a detector is not working correctly. The event should now be acknowledged by the operator.

Wireless Manual channel - (FIDECPWR)

Wireless manual callpoints logical channel.

The Logical Channels are exclusively used in the logical domain. Specific Sensor Channels handle the information of different kind from detection devices and a Logical Input is used for technical alarms coming from other systems. Logical Channels are configured as all other elements in the detection tree and then linked to Physical Channels during commissioning.

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 channel is in alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓ ✓

The channel is in alarm. The event should now be reset by the operator.

946 Active Unack ✓ ✓

The channel has been activated. 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.

950 Active ✓

The channel of a detector is activated in normal mode.

1000 Quiet ✓

No abnormal conditions present.

1100 Test ✓

This channel of a detector is switched to detector test mode.

1140 Test-Active ✓

This channel of a detector is activated in detector test mode.

1300 Disarmed ✓

The channel of the detector is switched off providing neither activation nor fault information except not-ready

1351 Anomaly Ack ✓

The detector channel evaluates an abnormal condition or its off time is expiring. The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

The detector channel evaluates an abnormal condition or its off time is expiring. The event should now be acknowledged by the operator.

1999 Fault Ack ✓

The channel of a detector is not working correctly. The event has been acknowledged.

2000 Fault Unack ✓ ✓

The channel of a detector is not working correctly. The event should now be acknowledged by the operator.

Collective channel - (FIDEDECO)

Collective detection logical channel.

The Logical Channels are exclusively used in the logical domain. Specific Sensor Channels handle the information of different kind from detection devices and a Logical Input is used for technical alarms coming from other systems. Logical Channels are configured as all other elements in the detection tree and then linked to Physical Channels during commissioning.

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

500 Alarm Unack ✓ ✓

The channel is in alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓ ✓

The channel is in alarm. The event should now be reset by the operator.

800 Prealarm Unack ✓ ✓

The channel is in prealarm. The event should now be acknowledged by the operator.

802 Prealarm Unreset ✓ ✓

The channel is in prealarm. The event should now be reset by the operator.

946 Active Unack ✓ ✓

The channel has been activated. 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.

950 Active ✓

The channel of a detector is activated in normal mode.

1000 Quiet ✓

No abnormal conditions present.

1100 Test ✓

This channel of a detector is switched to detector test mode.

1140 Test-Active ✓

This channel of a detector is activated in detector test mode.

1300 Disarmed ✓

The channel of the detector is switched off providing neither activation nor fault information except not-ready.

1351 Anomaly Ack ✓

The detector channel evaluates an abnormal condition or its off time is expiring. The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

The detector channel evaluates an abnormal condition or its off time is expiring. The event should now be acknowledged by the operator.

1999 Fault Ack ✓

The channel of a detector is not working correctly. The event has been acknowledged.

2000 Fault Unack ✓ ✓

The channel of a detector is not working correctly. The event should now be acknowledged by the operator.

Base Sounder - (FIDEHOEL)

Base Sounder Channel.

The Sounder Base Channel is a very specific Logical Channel representing the functionality of a base sounder from an automatic fire detector. It is attached to a ChannelLogSensorDaAutomaticElem only.

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 ✓

The base sounder channel is activated.

1000 Quiet ✓

No abnormal conditions present.

1300 Disarmed ✓

The base sounder channel is switched off.

1999 Fault Ack ✓

The base sounder channel has evaluated a fault. The event has been acknowledged.

2000 Fault Unack ✓ ✓

The base sounder channel has evaluated a fault. The event should now be acknowledged by the operator.

Verification Alarm - (FIDEVFAL)

Alarm Verification Element.

The Alarm and Intervention Verification Elements (AVC/IC) handle the delays for activating alarm equipment and remote transmission units. The Countdown delays for T1 or T2 are displayed when active.

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 fire alarm or prealarm verification is running. The event should now be acknowledged by the operator.

947 Active Ack

The fire alarm or prealarm verification is running. The event has been acknowledged.

950 Active ✓

The fire alarm or prealarm verification is running.

1000 Quiet

No abnormal conditions present.

1351 Anomaly Ack

The Alarm Verification has been stopped bypassing the configured delays to activate the alarming means immediately. The event has been acknowledged.

1352 Anomaly Unack ✓

The Alarm Verification has been stopped bypassing the configured delays to activate the alarming means immediately. The event should now be acknowledged by the operator.

Verification Intervention - (FIDEVFEL)

Intervention Verification Element.

The Alarm and Intervention Verification Elements (AVC/IC) handle the delays for activating alarm equipment and remote transmission units. The Countdown delays for T1 or T2 are displayed when active.

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 specific Intervention Verification is running. The event should now be acknowledged by the operator.

947 Active Ack

The specific Intervention Verification is running. The event has been acknowledged.

950 Active ✓

The specific Intervention Verification is running.

1000 Quiet

No abnormal conditions present.

1351 Anomaly Ack

This value for now is no more used. The event has been acknowledged.

1352 Anomaly Unack ✓

This value for now is no more used. The event should now be acknowledged by the operator.

Alarm Control Group - (BSCOZOAL)

The Alarm Control Group is the mean for organizing the different kinds of controls. The four fundamental Control Groups are: Alarm, Fire, Evacuation and Extinguishing. Some of the Control Groups allow changing the operation mode for its Controls.

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.

Evac Control Group - (BSCOEVGE)

Evacuation Control Group.

The Control Group is the mean for organizing the different kinds of controls. The four fundamental Control Groups are: Alarm, Fire, Evacuation and Extinguishing. Some of the Control Groups allow changing the operation mode for its Controls.

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 ✓ ✓ ✓

EVAC control group is switched on: normal operation.

1100 Test ✓ ✓ ✓

EVAC control group operates its control in test mode to allow verifying the configured functions.

1300 Disarmed ✓ ✓ ✓

EVAC control group is switched off, so that no control function will be carried out.

Extinguishing Control Group - (BSEXZOG E)

The Extinguishing Control Group is the means for organizing the different kinds of controls. The four fundamental Control Groups are: Alarm, Fire, Evacuation and Extinguishing. Some of the Control Groups allow changing the operation mode for its Controls.

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 Control Group - (FICOZOG)

Fire Control Group.

The Control Group is the means for organizing the different kinds of controls. The four fundamental Control Groups are: Alarm, Fire, Evacuation and Extinguishing. Some of the Control Groups allow changing the operation mode for its Controls.

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 ✓ ✓

Fire control group is switched on: normal operation.

1100 Test ✓ ✓

The fire Control Group operates its control in test mode to allow verifying the configured functions.

1300 Disarmed ✓ ✓

Fire control group is switched off, so that no control function will be carried out.

Evac Control - (BSCOEVEL)

Evacuation Control.

The Control represents an individual entity of control logic. Each Control has a dedicated functionality, which might be expressed by the customer text in the property description.

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 ✓ ✓ ✓

The evac control is activated both in alert and evac mode. The command active is always available because is a non-feedback command(it sends an activate evac command)

1000 Quiet ✓ ✓ ✓

The control is switched on: normal operation.

1100 Test ✓ ✓ ✓

The control is operating in test mode to allow verifying the configured functions.

1140 Test-Active ✓ ✓ ✓

The control is activated in test mode.

1300 Disarmed ✓ ✓ ✓

The control is switched off so that the function will be not carried out.

Fire Control - (FICOUDGE)

Fire Control.

The Control represents an individual entity of control logic. Each Control has a dedicated functionality, which might be expressed by the customer text in the property description.

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

✓ ✓ ✓

The control is activated in normal mode.

1000 Quiet

✓ ✓ ✓

The control is switched on: normal operation.

1100 Test

✓ ✓ ✓

The control is operating in test mode to allow verifying the configured functions.

1140 Test-Active

✓ ✓

The control is activated in test mode.

1300 Disarmed

✓ ✓ ✓

The control is switched off so that the function will be not carried out.

AlarmControl - (BSCODCEL)

Alarm control.

The Control represents an individual entity of control logic. Each Control has a dedicated functionality, which might be expressed by the customer text in the property description.

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

✓ ✓ ✓

The control is activated in normal mode.

1000 Quiet

✓ ✓

The control is switched on: normal operation

1100 Test

✓ ✓

The control is operating in test mode to allow verifying the configured functions.

1140 Test-Active

✓ ✓

The control is activated in test mode.

1300 Disarmed

✓ ✓

The control is switched off so that the function will not be carried out.

1999 Fault Ack

✓ ✓

The control is faulty. The event has been acknowledged.

2000 Fault Unack

✓ ✓ ✓

The control is faulty. The event should now be acknowledged by the operator.

RtDevice Control - (FICORHOT)

Remote Transmission Device Control.

The Control represents an individual entity of control logic. Each Control has a dedicated functionality, which might be expressed by the customer text in the property description.

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

The control is activated in normal mode.

1000 Quiet

No abnormal conditions present.

1999 Fault Ack

The control is faulty. The event has been acknowledged.

2000 Fault Unack

✓

The control is faulty. The event should now be acknowledged by the operator.

RtFault Control - (FICORHFL)

Fault Remote Transmission Control.

The Control represents an individual entity of control logic. Each Control has a dedicated functionality, which might be expressed by the customer text in the property description.

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				✓	✓		✓					
The control is activated in normal mode.													
1000	Quiet				✓	✓	✓						
The control is switched on: normal operation.													
1100	Test				✓		✓	✓					
The control is operating in test mode to allow verifying the configured functions.													
1140	Test-Active				✓			✓					
The control is activated in test mode.													
1300	Disarmed			✓		✓	✓						
The control is switched off so that the function will not be carried out.													
1999	Fault Ack				✓	✓	✓						
The control si faulty. The event has been acknowledged.													
2000	Fault Unack	✓			✓	✓	✓						
The control si faulty. The event should now be acknowledged by the operator.													

RtFire Control - (FICORHAL)

Fire Remote Transmission Control.

The Control represents an individual entity of control logic. Each Control has a dedicated functionality, which might be expressed by the customer text in the property description.

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				✓	✓		✓					
The control is activated in normal mode.													
1000	Quiet				✓	✓	✓						
The control is switched on: normal operation.													
1100	Test				✓		✓	✓					
The control is operating in test mode to allow verifying the configured functions.													
1140	Test-Active				✓			✓					
The control is activated in test mode.													
1300	Disarmed			✓		✓	✓						
The control is switched off.													
1999	Fault Ack				✓	✓	✓						
The control si faulty.The event has been acknowledged.													
2000	Fault Unack	✓			✓	✓	✓						
The control si faulty.The event should now be acknowledged by the operator.													

RtSounder Control - (FICORHEL)

Remote Transmission Sounder Control.

The Control represents an individual entity of control logic. Each Control has a dedicated functionality, which might be expressed by the customer text in the property description.

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

✓ ✓ ✓

The control is activated in normal mode.

1000 Quiet

✓ ✓ ✓

The control is switched on: normal operation.

1100 Test

✓ ✓ ✓

The control is operating in test mode to allow verifying the configured functions.

1140 Test-Active

✓ ✓

The control is activated in test mode.

1300 Disarmed

✓ ✓ ✓

The control is switched off.

Sprinkler Control - (BSCODCSP)

Sprinkler Control.

The Control represents an individual entity of control logic. Each Control has a dedicated functionality, which might be expressed by the customer text in the property description.

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 sprinkler control has detected a fire alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓ ✓

The sprinkler control has detected a fire alarm. The event should now be reset by the operator.

1000 Quiet ✓

The control is switched on: normal operation.

1300 Disarmed ✓

The control is switched off so that the function will not be carried out.

Cause Group - (UDUDCUGE)

Cause and Effect Groups do not provide process information. They are rather used to separate causes from effects within the hierarchical control trees.

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.

Effect Group - (BSUDEFGE)

Cause and Effect Groups do not provide process information. They are rather used to separate causes from effects within the hierarchical control trees.

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.

ByPassable input - (BSCOBIEL)

Bypassable Input logical Channel.

These Logical Channels are used in the control and detection domain. Inputs are used to trigger Controls which in turns activate Outputs or Sounders. These configured Logical Channels are linked to Physical Channels.

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 input is in alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓

The input is in alarm. The event should now be reset by the operator.

800 Prealarm Unack ✓

The input is in prealarm. The event should now be acknowledged by the operator.

802 Prealarm Unreset ✓

The input is in prealarm. The event should now be reset by the operator.

950 Active

The channel is activated in normal mode.

1000 Quiet

No abnormal conditions present.

1300 Disarmed

The input channel is switched off via its control providing neither activation nor fault information. No such command here.

1351 Anomaly Ack

The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop. The event has been acknowledged.

1352 Anomaly Unack ✓

The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop. The event should now be acknowledged by the operator.

1999 Fault Ack

The channel is faulty. The event has been acknowledged.

2000 Fault Unack ✓

The channel is faulty. The event should now be acknowledged by the operator.

Non Bypassable input - (BSCOINEL)

Non Bypassable Input logical Channel.

These Logical Channels are exclusively used in the control domain. Inputs are used to trigger Controls which in turns activate Outputs or Sounders. These configured Logical Channels also are linked to Physical Channels.

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 input is in alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓

The input is in alarm. The event should now be reset by the operator.

800 Prealarm Unack ✓

The input is in prealarm. The event should now be acknowledged by the operator.

802 Prealarm Unreset ✓

The input is in prealarm. The event should now be reset by the operator.

950 Active

The input is activated in normal mode.

1000 Quiet

No abnormal conditions present.

1351 Anomaly Ack ✓

The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop. The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop. The event should now be acknowledged by the operator.

1999 Fault Ack

The channel is faulty. The event has been acknowledged.

2000 Fault Unack



The channel is faulty. The event should now be acknowledged by the operator.

Generic Output - (BSCOOUEL)

Generic Output Logical Channel.

These Logical Channels are exclusively used in the control domain. Inputs are used to trigger Controls which in turns activate Outputs or Sounders. These configured Logical Channels also are linked to Physical Channels.

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 output is in alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓

The output is in alarm. The event should now be reset by the operator.

800 Prealarm Unack ✓

The output is in prealarm. The event should now be acknowledged by the operator.

802 Prealarm Unreset ✓

The output is in prealarm. The event should now be reset by the operator.

950 Active

The channel is activated.

1000 Quiet

No abnormal conditions present.

1351 Anomaly Ack

The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop. The event has been acknowledged.

1352 Anomaly Unack ✓

The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop. The event should now be acknowledged by the operator.

1999 Fault Ack

The channel is faulty. The event has been acknowledged.

2000 Fault Unack



The channel is faulty. The event should now be acknowledged by the operator.

Fire Output - (FICOOUEL)

Fire Output logical Channel.

These Logical Channels are exclusively used in the control domain. Inputs are used to trigger Controls which in turns activate Outputs or Sounders. These configured Logical Channels also are linked to Physical Channels.

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

✓

✓

The channel is activated.

1000 Quiet

✓

✓

No abnormal conditions present.

1140 Test-Active

✓

✓

The channel is activated in test mode.

1300 Disarmed

✓

✓

The output channel is switched off providing neither activation nor fault information.

1351 Anomaly Ack

✓

✓

The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop.The event has been acknowledged.

1352 Anomaly Unack

✓

✓

✓

The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop.The event should now be acknowledged by the operator.

1999 Fault Ack

✓

✓

The channel is faulty. The event has been acknowledged.

2000 Fault Unack

✓

✓

✓

The event should now be acknowledged by the operator.

RtOutput - (BSCORCGE)

Remote Transmission Output Logical Channel.

These Logical Channels are exclusively used in the control domain. Inputs are used to trigger Controls which in turns activate Outputs or Sounders. These configured Logical Channels also are linked to Physical Channels.

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.

1140 Test-Active ✓ ✓

The channel is activated in test mode.

1300 Disarmed ✓ ✓

The output channel is switched off providing neither activation nor fault information.

1351 Anomaly Ack ✓ ✓

The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop.The event has been acknowledged.

1352 Anomaly Unack ✓ ✓ ✓

The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop.The event should now be acknowledged by the operator.

1999 Fault Ack ✓ ✓

The channel is faulty. The event has been acknowledged.

2000 Fault Unack ✓ ✓ ✓

The channel is faulty. The event should now be acknowledged by the operator.

RtVds Output - (BSVDRCGE)

Remote Transmission Vds Output Logical Channel.

These Logical Channels are exclusively used in the control domain. Inputs are used to trigger Controls which in turns activate Outputs or Sounders. These configured Logical Channels also are linked to Physical Channels.

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.

1140 Test-Active ✓ ✓

The channel is activated in test mode.

1300 Disarmed ✓ ✓

The output channel is switched off providing neither activation nor fault information.

1351 Anomaly Ack ✓ ✓

The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop. The event has been acknowledged.

1352 Anomaly Unack ✓ ✓ ✓

The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop. The event should now be acknowledged by the operator.

1999 Fault Ack ✓ ✓

The channel is faulty. The event has been acknowledged.

2000 Fault Unack ✓ ✓ ✓

The channel is faulty. The event should now be acknowledged by the operator.

Sounders - (BSCOHCGE)

Sounder Output Logical Channel.

These Logical Channels are exclusively used in the control domain. Inputs are used to trigger Controls which in turns activate Outputs or Sounders. These configured Logical Channels also are linked to Physical Channels.

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 ✓ ✓

The channel is activated.

1000 Quiet ✓ ✓

No abnormal conditions present.

1140 Test-Active ✓

1300 Disarmed ✓ ✓

The sounder channel is switched off providing neither activation nor fault information.

1351 Anomaly Ack ✓ ✓

The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop. The event has been acknowledged.

1352 Anomaly Unack ✓ ✓ ✓

The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop. The event should now be acknowledged by the operator.

1999 Fault Ack ✓ ✓

The event has been acknowledged.

2000 Fault Unack ✓ ✓ ✓

The channel is faulty. The event should now be acknowledged by the operator.

FireEffect Request - (FIDEEFEL)

Fire Effect Request Logical Channel.

The Effect Request is a special type of a Logical Channel. It models the function of an internal command to another element. It is not linked to a Physical Channel.

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 ✓

The effect request is activated in normal mode.

1000 Quiet ✓

No abnormal conditions present.

1140 Test-Active ✓

The effect request is activated in test mode.

1300 Disarmed ✓

The effect request is switched off providing neither activation nor fault information.

1999 Fault Ack ✓

The effect request has detected a fault. The event has been acknowledged.

2000 Fault Unack ✓ ✓

The effect request has detected a fault. The event should now be acknowledged by the operator.

SprinklerEffect Request - (FIEXEFEL)

Sprinkler Effect Request Logical Channel.

The Effect Request is a special type of a Logical Channel. It models the function of an internal command to another element. It is not linked to a Physical Channel.

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.

FC40 - (FIDEAPMN)

FC40 Panel.
The Panel represents an entire FS20 host (panel or terminal) with respect to the process information. In addition, a BACnet Device object is associated so that each such host can be addressed as an individual node in the BACnet inter-network.

	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
802	Prealarm Unreset		✓								✓	✓	✓
The Control Unit event queue was deleted. The event should now be reset by the operator.													
810	Prealarm & Fault Unack	✓									✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event should now be acknowledged by the operator.													
811	Prealarm & Fault Ack										✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event has been acknowledged.													
812	Prealarm & Fault Unreset		✓								✓	✓	✓
This event is the combination of the Prealarm and Fault state. The event should now be reset by the operator.													
1000	Quiet										✓	✓	✓
The subsystem is reachable. No abnormal conditions present. The Manual command activate all sounders. The Block command deactivate all the sounders.													
1300	Disarmed										✓	✓	✓
The control unit configuration is not aligned with the management station configuration.													
1351	Anomaly Ack										✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event has been acknowledged.													
1352	Anomaly Unack	✓									✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event should now be acknowledged by the operator.													

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

✓ ✓ ✓

The panel is faulty. The event has been acknowledged.

2000 Fault Unack

✓

✓ ✓ ✓

The panel is faulty. The event should now be acknowledged by the operator.

Undefined event - (SYNOUDGE)

Unidentified Object Event.

This information can represent events that are concerning objects that could not be properly identified in the current panel configuration.

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

501 Alarm Ack

The panel sent out an alarm for a non-configured object.

511 Alarm & Fault Ack

The panel sent out an alarm and a fault for a non-configured object.

801 Prealarm Ack

The panel sent out a prealarm for a non-configured object.

811 Prealarm & Fault Ack

The panel sent out a prealarm and a fault for a non-configured object.

1000 Quiet

No messages were sent for non-configured objects.

1300 Disarmed

The panel sent out an exclusion message for a non-configured object.

1351 Anomaly Ack

The panel sent out an anomaly message for a non-configured object.

1999 Fault Ack

The panel sent out a fault message for a non-configured object.

Verification Elements - (UDUDOLMN)

This node is a folder under which you can find the verification elements.

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.

FT20 - (FIDEAPMN)

Fire Terminal FT20

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
802	Prealarm Unreset		✓								✓	✓	✓
The Control Unit event queue was deleted. The event should now be reset by the operator.													
810	Prealarm & Fault Unack	✓									✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event should now be acknowledged by the operator.													
811	Prealarm & Fault Ack										✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event has been acknowledged.													
812	Prealarm & Fault Unreset		✓								✓	✓	✓
This event is the combination of the Prealarm and Fault state. The event should now be reset by the operator.													
1000	Quiet										✓	✓	✓
The subsystem is reachable. No abnormal conditions present. The Manual command activate all sounders. The Block command deactivate all the sounders.													
1300	Disarmed										✓	✓	
The control unit configuration is not aligned with the management station configuration.													
1351	Anomaly Ack										✓	✓	✓
The terminal has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event has been acknowledged.													
1352	Anomaly Unack	✓									✓	✓	✓
The terminal has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event should now be acknowledged by the operator.													

1369 Not Aligned

The terminal unit is not aligned to the field.

1370 Alignment In Progress

✓ ✓ ✓

The alignment fase is in progress.

1999 Fault Ack

✓ ✓ ✓

The terminal is faulty. The event has been acknowledged.

2000 Fault Unack

✓

✓ ✓ ✓

The terminal is faulty. The event should now be acknowledged by the operator.

Network - (HWDENWEL)

Network Object.

This object can represent some aspects of the communication with other panels. This comprises the indication of: requests for opening the communication, a wrong certificate or a communication fault and also a degrade alarm coming from another 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 ✓

The event should now be acknowledged by the operator.

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.

1000 Quiet

No abnormal conditions present.

1351 Anomaly Ack

The event has been acknowledged.

1352 Anomaly Unack ✓

The event should now be acknowledged by the operator.

1999 Fault Ack

The event has been acknowledged.

2000 Fault Unack



The event should now be acknowledged by the operator.

Evac Uni Control - (BSCOEVMN)

Evacuation (Universal) Control.

The Control represents an individual entity of control logic. Each Control has a dedicated functionality, which might be expressed by the customer text in the property description.

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

✓

✓

The EVAC control is activated in normal mode.

1000 Quiet

✓

✓

No abnormal conditions present.

1100 Test

✓

The control is operating in test mode to allow verifying the configured functions.

1140 Test-Active

✓

✓

The EVAC control is activated in test mode.

1300 Disarmed

✓

✓

The control is switched off so that the function will not be carried out

XC10 Elem - (BSEXDCSP)

XC10 (Extinguishing Panel) Control.

The Control represents an individual entity of control logic. Each Control has a dedicated functionality, which might be expressed by the customer text in the property description.

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	✓			✓				✓	✓			
XC10 Control has detected a fire alarm. The event should now be acknowledged by the operator.													
502	Alarm Unreset		✓		✓				✓	✓			
XC10 Control has detected a fire alarm. The event should now be reset by the operator.													
800	Prealarm Unack	✓			✓				✓	✓			
XC10 Control has detected a fire warning. The event should now be acknowledged by the operator.													
802	Prealarm Unreset		✓		✓				✓	✓			
XC10 Control has detected a fire warning. The event should now be reset by the operator.													
1000	Quiet				✓				✓				
The control is switched on in normal operation.													
1300	Disarmed			✓					✓				
The XC10 control is completely switched off preventing from manual and automatic activation of the extinguishing.													
1326	Blocked												
The XC10 control is partly switched off preventing from automatic activation of the extinguishing: but it still remains on.													
1351	Anomaly Ack				✓				✓	✓			
The XC10 Control has evaluated an abnormal state out of: notResettable, notBlockable. The event has been acknowledged.													
1352	Anomaly Unack	✓			✓				✓	✓			

The XC10 Control has evaluated an abnormal state out of: notResettable, notBlockable.
The event should now be acknowledged by the operator.

1400	Disconnected	✓	✓	✓
------	--------------	---	---	---

1999	Fault Ack		✓	✓
------	-----------	--	---	---

The control is faulty. The event has been acknowledged.

2000	Fault Unack	✓	✓	✓
------	-------------	---	---	---

The control is faulty. The event should now be acknowledged by the operator.

PMI - (HWNOCTPM)

PMI (Person-Machine Interface) Object.
This object represents the user interface on the operation terminal.

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 ✓

User access detected on the user interface. The event should now be acknowledged by the operator.

947 Active Ack

User access detected on the user interface. The event has been acknowledged.

950 Active

User access detected on the user interface.

1000 Quiet

No abnormal conditions present.

1351 Anomaly Ack

The user has selected a new language for the user interface. The event has been acknowledged.

1352 Anomaly Unack ✓

The user has selected a new language for the user interface. The event should now be acknowledged by the operator.

Cause Incident Generic - (UDUDCUEL)

This object represents a generic cause incident.

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.

Alert Sounders - (BSCOHCAL)

Alert Sounder Channel.

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 ✓

The channel is activated.

1000 Quiet ✓

No abnormal conditions present.

1140 Test-Active ✓

The channel is activated in test mode.

1300 Disarmed ✓

The sounder channel is switched off providing neither activation nor fault information.

1351 Anomaly Ack ✓

The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop. The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop. The event should now be acknowledged by the operator.

1999 Fault Ack ✓

The channel is faulty. The event has been acknowledged.

2000 Fault Unack ✓ ✓

The channel is faulty. The event should now be acknowledged by the operator.

AlertEvac Sounders - (BSCOHOT)

Alert/Evacuation Sounder Channel.

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				✓			✓					
The channel is activated.												
1000 Quiet				✓		✓						
No abnormal conditions present.												
1140 Test-Active				✓			✓					
The channel is activated in test mode.												
1300 Disarmed			✓				✓					
The sounder channel is switched off providing neither activation nor fault information.												
1351 Anomaly Ack				✓			✓					
The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop. The event has been acknowledged.												
1352 Anomaly Unack	✓			✓			✓					
The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop. The event should now be acknowledged by the operator.												
1999 Fault Ack				✓			✓					
The channel is faulty. The event has been acknowledged.												
2000 Fault Unack	✓			✓			✓					
The channel is faulty. The event should now be acknowledged by the operator.												

Evac Sounders - (BSCOHCEE)

Evacuation Sounder Channel.

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				✓		✓	✓					
The channel is activated.												
1000 Quiet				✓		✓						
No abnormal conditions present.												
1140 Test-Active				✓		✓	✓					
The channel is activated in test mode.												
1300 Disarmed			✓			✓						
The sounder channel is switched off providing neither activation nor fault information.												
1351 Anomaly Ack				✓		✓						
The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop. The event has been acknowledged.												
1352 Anomaly Unack	✓			✓		✓						
The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop. The event should now be acknowledged by the operator.												
1999 Fault Ack				✓		✓						
The channel is faulty. The event has been acknowledged.												
2000 Fault Unack	✓			✓		✓						
The channel is faulty. The event should now be acknowledged by the operator.												

Generic Link - (UDUDEGE)

This object represents a generic cause incident.

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.

Single Gas Alarm Zone - (GSDEZOAU)

Gas Alarm Zone.

The Zone is a required element (e.g. EN54-2 regulations) that handles the raw alarm information coming from one or more detectors. Also, it supports several operating modes influencing the sensitivity of the attached detectors. Different kinds of Zones have to be used according the desired purpose.

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 zone is in Alarm. The event should now be acknowledged by the operator.																
502	Alarm Unreset		✓		✓											
The zone is in alarm. The event should now be reset by the operator.																
800	Prealarm Unack	✓			✓											
The zone is in Pre-Alarm. The event should now be acknowledged by the operator.																
801	Prealarm Ack				✓											
The zone is in Pre-Alarm. The event has been acknowledged.																
1000	Quiet				✓	✓										
The zone is included.																
1100	Test				✓					✓						
The zone is in Test mode.																
1300	Disarmed			✓		✓										
The zone is excluded.																
1316	Manual				✓	✓										
The zone is in walk test.																
1351	Anomaly Ack		✓	✓	✓											

One of the following condition could be active:
Not Ready, Fast mode, Slow mode, Info Reminder-expired, Criteria fallback.
The event has been acknowledged.

1352 Anomaly Unack ✓ ✓ ✓ ✓

The event should now be acknowledged by the operator.

Gas Warning Zone - (GSDEZOG)

Gas Warning Zone.

The Zone is a required element (e.g. EN54-2 regulations) that handles the raw alarm information coming from one or more detectors. Also, it supports several operating modes influencing the sensitivity of the attached detectors. Different kinds of Zones have to be used according the desired purpose.

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 zone is in Alarm. The event should now be acknowledged by the operator.																	
502	Alarm Unreset		✓		✓												
The zone is in alarm. The event should now be reset by the operator.																	
800	Prealarm Unack	✓			✓												
The zone is in Pre-Alarm. The event should now be acknowledged by the operator.																	
801	Prealarm Ack				✓												
The zone is in Pre-Alarm. The event has been acknowledged.																	
1000	Quiet				✓	✓											
The zone is included.																	
1100	Test				✓					✓							
The zone is in Test mode.																	
1300	Disarmed			✓		✓											
The zone is excluded.																	
1316	Manual				✓	✓											
The zone is in walk test.																	
1351	Anomaly Ack		✓	✓	✓												

One of the following condition could be active:
Not Ready, Fast mode, Slow mode, Info Reminder-expired, Criteria fallback.
The event has been acknowledged.

1352 Anomaly Unack ✓ ✓ ✓ ✓

The event should now be acknowledged by the operator.

Exting preAlarm zone - (FIEXZOAU)

Extinguishing Pre-alarm Zone.

The Zone is a required element (e.g. EN54-2 regulations) that handles the raw alarm information coming from one or more detectors. Also, it supports several operating modes influencing the sensitivity of the attached detectors. Different kinds of Zones have to be used according the desired purpose.

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 zone is in Alarm. The event should now be acknowledged by the operator.																	
502	Alarm Unreset		✓		✓												
The zone is in alarm. The event should now be reset by the operator.																	
800	Prealarm Unack	✓			✓												
The zone is in Pre-Alarm. The event should now be acknowledged by the operator.																	
801	Prealarm Ack				✓												
The zone is in Pre-Alarm. The event has been acknowledged.																	
1000	Quiet				✓	✓											
The zone is included.																	
1100	Test				✓					✓							
The zone is in Test mode.																	
1300	Disarmed			✓		✓											
The zone is excluded.																	
1316	Manual				✓	✓											
The zone is in walk test.																	
1351	Anomaly Ack			✓	✓	✓											

One of the following condition could be active:
Not Ready, Fast mode, Slow mode, Info Reminder-expired, Criteria fallback.
The event has been acknowledged.

1352 Anomaly Unack ✓ ✓ ✓ ✓

The event should now be acknowledged by the operator.

Multiple automatic zone - (FIDEZOMU)

Multiple Automatic Zone.

The Zone is a required element (e.g. EN54-2 regulations) that handles the raw alarm information coming from one or more detectors. Also, it supports several operating modes influencing the sensitivity of the attached detectors. Different kinds of Zones have to be used according the desired purpose.

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 zone is in Alarm. The event should now be acknowledged by the operator.														
502	Alarm Unreset		✓		✓									
The zone is in alarm. The event should now be reset by the operator.														
800	Prealarm Unack	✓			✓									
The zone is in Pre-Alarm. The event should now be acknowledged by the operator.														
801	Prealarm Ack				✓									
The zone is in Pre-Alarm. The event has been acknowledged.														
1000	Quiet				✓	✓								
The zone is included.														
1100	Test				✓					✓				
The zone is in Test mode.														
1300	Disarmed			✓		✓								
The zone is excluded.														
1316	Manual				✓	✓								
The zone is in walk test.														
1351	Anomaly Ack		✓	✓	✓									

One of the following condition could be active:
Not Ready, Fast mode, Slow mode, Info Reminder-expired, Criteria fallback.
The event has been acknowledged.

1352 Anomaly Unack ✓ ✓ ✓ ✓

The event should now be acknowledged by the operator.

Manual Alarm Sub-system zone - (FIDEZOMA)

Manual Alarm Subsystem Zone.

The Zone is a required element (e.g. EN54-2 regulations) that handles the raw alarm information coming from one or more detectors. Also, it supports several operating modes influencing the sensitivity of the attached detectors. Different kinds of Zones have to be used according the desired purpose.

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 object has detect an alarm condition. The event should now be acknowledged by the operator.													
502	Alarm Unreset		✓		✓								
The object has detect an alarm condition. The event should now be reset by the operator.													
1000	Quiet				✓	✓							
No abnormal conditions present.													
1100	Test				✓					✓			
The zone is in test mode.													
1300	Disarmed			✓		✓							
The zone is excluded.													
1316	Manual				✓	✓							
The zone is in walk test.													
1351	Anomaly Ack				✓	✓							
One of the following condition could be active: Not Ready, Fast mode, Slow mode, Info Reminder-expired, Criteria fallback. The event has been acknowledged.													
1352	Anomaly Unack	✓			✓	✓							
One of the following condition could be active: Not Ready, Fast mode, Slow mode, Info Reminder-expired, Criteria fallback. The event should now be acknowledged by the operator.													

Technical Zone sub-system off - (BSCOZORE)

Technical Subsystem OFF Zone

The Zone is a required element (e.g. EN54-2 regulations) that handles the raw alarm information coming from one or more detectors. Also, it supports several operating modes influencing the sensitivity of the attached detectors. Different kinds of Zones have to be used according the desired purpose.

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 zone evaluates an alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓ ✓

The zone evaluates an alarm. 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 zone is evaluating an external exclusion.

948 Active Unreset ✓ ✓ ✓

The zone is evaluating an external exclusion.

950 Active ✓

The zone is evaluating an external exclusion.

1000 Quiet ✓ ✓

No abnormal conditions present.

1100 Test ✓ ✓

The zone is in test mode.

1300 Disarmed ✓ ✓

The zone is excluded.

1316 Manual ✓ ✓

The zone is in walk test.

1351 Anomaly Ack ✓ ✓

One of the following condition could be active:
Not Ready, Fast mode, Info Reminder-expired, Criteria fallback.
The event has been acknowledged.

1352 Anomaly Unack ✓ ✓ ✓

One of the following condition could be active:
Not Ready, Fast mode, Slow mode, Info Reminder-expired, Criteria fallback.
The event should now be acknowledged by the operator.

1998 Fault Unreset ✓ ✓ ✓

The zone evaluates a fault. The event should now be reset by the operator.

1999 Fault Ack ✓ ✓

The zone evaluates a fault. The event has been acknowledged.

2000 Fault Unack ✓ ✓ ✓

The zone evaluates a fault. The event should now be acknowledged by the operator.

TechnicalFault sub-system Zone - (BSCOZOFL)

Technical Fault Subsystem Zone

The Zone is a required element (e.g. EN54-2 regulations) that handles the raw alarm information coming from one or more detectors. Also, it supports several operating modes influencing the sensitivity of the attached detectors. Different kinds of Zones have to be used according the desired purpose.

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 zone evaluates an alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓ ✓

The zone evaluates an alarm. 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 technical zone evaluates a technical alarm. The event should now be acknowledged by the operator.

948 Active Unreset ✓ ✓ ✓

The technical zone evaluates a technical alarm. The event should now be reset by the operator.

950 Active ✓ ✓

The technical zone evaluates a technical alarm.

1000 Quiet ✓ ✓

No abnormal conditions present.

1100 Test ✓ ✓

The zone is in test mode.

1300 Disarmed ✓ ✓

The zone is excluded.

1316 Manual ✓ ✓

The zone is in walk test.

1351 Anomaly Ack ✓ ✓

One of the following condition could be active:
Not Ready, Fast mode, Info Reminder-expired, Criteria fallback.
The event has been acknowledged.

1352 Anomaly Unack ✓ ✓ ✓

One of the following condition could be active:
Not Ready, Fast mode, Slow mode, Info Reminder-expired, Criteria fallback.
The event should now be acknowledged by the operator.

1998 Fault Unreset ✓ ✓ ✓

The zone evaluates a fault. The event should now be reset by the operator.

1999 Fault Ack ✓ ✓

The zone evaluates a fault. The event has been acknowledged.

2000 Fault Unack ✓ ✓ ✓

The zone evaluates a fault. The event should now be acknowledged by the operator.

Single Exting Discharged Zone - (FIEXZOSI)

Automatic Extinguishing Discharged Zone.

The Zone is a required element (e.g. EN54-2 regulations) that handles the raw alarm information coming from one or more detectors. Also, it supports several operating modes influencing the sensitivity of the attached detectors. Different kinds of Zones have to be used according the desired purpose.

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 zone is in Alarm. The event should now be acknowledged by the operator.													
502	Alarm Unreset		✓		✓								
The zone is in alarm. The event should now be reset by the operator.													
800	Prealarm Unack	✓			✓								
The zone is in Pre-Alarm. The event should now be acknowledged by the operator.													
801	Prealarm Ack				✓								
The zone is in Pre-Alarm. The event has been acknowledged.													
1000	Quiet				✓	✓							
The zone is included.													
1100	Test				✓				✓				
The zone is in Test mode.													
1300	Disarmed			✓		✓							
The zone is excluded.													
1316	Manual				✓	✓							
The zone is in walk test.													
1351	Anomaly Ack		✓	✓	✓								

One of the following condition could be active:
Not Ready, Fast mode, Slow mode, Info Reminder-expired, Criteria fallback.
The event has been acknowledged.

1352 Anomaly Unack ✓ ✓ ✓ ✓

The event should now be acknowledged by the operator.

Alarm sub-system zone - (FIDEZOAL)

Alarm Subsystem Zone

The Zone is a required element (e.g. EN54-2 regulations) that handles the raw alarm information coming from one or more detectors. Also, it supports several operating modes influencing the sensitivity of the attached detectors. Different kinds of Zones have to be used according the desired purpose.

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 zone is in Alarm. The event should now be acknowledged by the operator.																	
502	Alarm Unreset		✓		✓												
The zone is in alarm. The event should now be reset by the operator.																	
800	Prealarm Unack	✓			✓												
The zone is in Pre-Alarm. The event should now be acknowledged by the operator.																	
801	Prealarm Ack				✓												
The zone is in Pre-Alarm. The event has been acknowledged.																	
1000	Quiet				✓	✓											
The zone is included.																	
1100	Test				✓					✓							
The zone is in Test mode.																	
1300	Disarmed			✓		✓											
The zone is excluded.																	
1316	Manual				✓	✓											
The zone is in walk test.																	
1351	Anomaly Ack		✓	✓	✓												

One of the following condition could be active:
Not Ready, Fast mode, Slow mode, Info Reminder-expired, Criteria fallback.
The event has been acknowledged.

1352	Anomaly Unack	✓	✓	✓	✓
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The event should now be acknowledged by the operator.

TechnicalFault ext.system - (BSEXZOFL)

Technical Fault Extinguishing System Zone.

The Zone is a required element (e.g. EN54-2 regulations) that handles the raw alarm information coming from one or more detectors. Also, it supports several operating modes influencing the sensitivity of the attached detectors. Different kinds of Zones have to be used according the desired purpose.

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

500 Alarm Unack ✓ ✓

The zone evaluates an alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓ ✓

The zone evaluates an alarm. 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 technical zone evaluates a technical alarm. The event should now be acknowledged by the operator.

948 Active Unreset ✓ ✓ ✓

The technical zone evaluates a technical alarm. The event should now be reset by the operator.

950 Active ✓ ✓

The technical zone evaluates a technical alarm.

1000 Quiet ✓ ✓

No abnormal conditions present.

1100 Test ✓ ✓

The zone is in test mode.

1300 Disarmed ✓ ✓

The zone is excluded.

1316 Manual ✓ ✓

The zone is in walk test.

1351 Anomaly Ack ✓ ✓

One of the following condition could be active:
Not Ready, Fast mode, Info Reminder-expired, Criteria fallback.
The event has been acknowledged.

1352 Anomaly Unack ✓ ✓ ✓

One of the following condition could be active:
Not Ready, Fast mode, Slow mode, Info Reminder-expired, Criteria fallback.
The event should now be acknowledged by the operator.

1998 Fault Unreset ✓ ✓ ✓

The zone evaluates a fault. The event should now be reset by the operator.

1999 Fault Ack ✓ ✓

The zone evaluates a fault. The event has been acknowledged.

2000 Fault Unack ✓ ✓ ✓

The zone evaluates a fault. The event should now be acknowledged by the operator.

Sprinkler automatic zone - (FIEXZOSP)

Automatic Sprinkler Zone.

The Zone is a required element (e.g. EN54-2 regulations) that handles the raw alarm information coming from one or more detectors. Also, it supports several operating modes influencing the sensitivity of the attached detectors. Different kinds of Zones have to be used according the desired purpose.

		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 zone is in Alarm. The event should now be acknowledged by the operator.													
502	Alarm Unreset		✓		✓								
The zone is in alarm. The event should now be reset by the operator.													
800	Prealarm Unack	✓			✓								
The zone is in Pre-Alarm. The event should now be acknowledged by the operator.													
801	Prealarm Ack				✓								
The zone is in Pre-Alarm. The event has been acknowledged.													
1000	Quiet				✓	✓							
The zone is included.													
1100	Test				✓				✓				
The zone is in Test mode.													
1300	Disarmed			✓		✓							
The zone is excluded.													
1316	Manual				✓	✓							
The zone is in walk test.													
1351	Anomaly Ack		✓	✓	✓								

One of the following condition could be active:
Not Ready, Fast mode, Slow mode, Info Reminder-expired, Criteria fallback.
The event has been acknowledged.

1352 Anomaly Unack ✓ ✓ ✓ ✓

The event should now be acknowledged by the operator.

FC60 - (FIDEAPMN)

The Panel represents an entire FS20 host (panel or terminal) with respect to the process information. Also, a BACnet Device object is associated so that each host can be addressed as an individual node in the BACnet inter-network.

	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
802	Prealarm Unreset		✓								✓	✓	✓
The Control Unit event queue was deleted. The event should now be reset by the operator.													
810	Prealarm & Fault Unack	✓									✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event should now be acknowledged by the operator.													
811	Prealarm & Fault Ack										✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event has been acknowledged.													
812	Prealarm & Fault Unreset		✓								✓	✓	✓
This event is the combination of the Prealarm and Fault state. The event should now be reset by the operator.													
1000	Quiet										✓	✓	✓
The subsystem is reachable. No abnormal conditions present. The Manual command activate all sounders. The Block command deactivate all the sounders.													
1300	Disarmed										✓	✓	✓
The control unit configuration is not aligned with the management station configuration.													
1351	Anomaly Ack										✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event has been acknowledged.													
1352	Anomaly Unack	✓									✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event should now be acknowledged by the operator.													

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

✓ ✓ ✓

The panel is faulty. The event has been acknowledged.

2000 Fault Unack

✓

✓ ✓ ✓

The panel is faulty. The event should now be acknowledged by the operator.

Counter Control Group - (FICOZOSU)

Fire Control Group.

The Control Group is the means for organizing the different kinds of controls. The four fundamental Control Groups are: Alarm, Fire, Evacuation and Extinguishing. Some of the Control Groups allow changing the operation mode for its Controls.

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



Fire control group is switched on: normal operation.

1300 Disarmed



Fire control group is switched off, so that no control function will be carried out.

Module Collective - (HWCODCCO)

Module Collective.

The Module is a pluggable part of an FS20 host. It can be sub-divided into submodules. Among the Modules, the P2 module has a specific designation.

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 module is found newly in the system. The event has been acknowledged.

1352 Anomaly Unack ✓

The module is found newly in the system. The event should now be acknowledged by the operator.

1999 Fault Ack

The event has been acknowledged.

2000 Fault Unack ✓

The module is in fault. The event should now be acknowledged by the operator.

Module Ethernet - (HWC MNWPH)

Module Ethernet.

The Module is a pluggable part of an FS20 host. It can be sub-divided into submodules. Among the Modules, the I/O Module has a specific designation.

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 module is found newly in the system. The event has been acknowledged.

1352 Anomaly Unack ✓

The module is found newly in the system. The event should now be acknowledged by the operator.

1999 Fault Ack

The module is in fault. The event has been acknowledged.

2000 Fault Unack ✓

The module is in fault. The event should now be acknowledged by the operator.

Module Ms9 - (HWDEIOPH)

Module Ms9.

The Module is a pluggable part of an FS20 host. It can be sub-divided into submodules. Among the Modules, the P2 module has a specific designation.

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 module is found newly in the system. The event has been acknowledged.

1352 Anomaly Unack ✓

The module is found newly in the system. The event should now be acknowledged by the operator.

1998 Fault Unreset ✓

The module is in fault. The event should now be reset by the operator.

2000 Fault Unack ✓

The module is in fault. The event should now be acknowledged by the operator.

Submodule Collective - (HWCODCGE)

Submodule Collective.

The Submodule is a functional part of a Module. In general, Submodules just evaluate a fault, but the the Line Submodule may also evaluate alarms. This object represents a P2 field bus.

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 ✓

This line has evaluated a collective automatic fire alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓

This line has evaluated a collective automatic fire alarm. The event should now be reset by the operator.

510 Alarm & Fault Unack ✓

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

511 Alarm & Fault Ack

This event is the combination of a collective automatic fire Alarm and a Fault state. The event has been acknowledged.

512 Alarm & Fault Unreset ✓

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

1000 Quiet

No abnormal conditions present.

1351 Anomaly Ack

This line has evaluated an abnormal condition. The event has been acknowledged.

1352 Anomaly Unack ✓

This line has evaluated an abnormal condition. The event should now be acknowledged by the operator.

1998 Fault Unreset ✓

This line evaluates a fault. The event should now be reset by the operator.

2000 Fault Unack



This line evaluates a fault. The event should now be acknowledged by the operator.

Submodule Ms9 - (HWCOIOEL)

Submodule Ms9.

The Submodule is a functional part of a Module. In general, Submodules just evaluate a fault, but the the Line Submodule may also evaluate alarms. This object represents a P2 field bus.

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 ✓

This line has evaluated a collective automatic fire alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓

This line has evaluated a collective automatic fire alarm. The event should now be reset by the operator.

510 Alarm & Fault Unack ✓

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

511 Alarm & Fault Ack

This event is the combination of a collective automatic fire Alarm and a Fault state. The event has been acknowledged.

512 Alarm & Fault Unreset ✓

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

1000 Quiet

No abnormal conditions present.

1300 Disarmed ✓

The module is excluded.

1351 Anomaly Ack

This line has evaluated an abnormal condition. The event has been acknowledged.

1352 Anomaly Unack ✓

This line has evaluated an abnormal condition. The event should now be acknowledged by the operator.

1999 Fault Ack

The event has been acknowledged.

2000 Fault Unack



This line evaluates a fault. The event should now be acknowledged by the operator.

BACnet Client - (MGCMNWRE)

BACnet Client.
This object can represent some aspects of the communication with the management station.

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.

Station Area - (FIDEARPR)

Station Area.
The Area usually controls the alarm organization (manned/unmanned), but it might also be configured to stay in manned or unmanned mode. Further, it provides the same functionality like Sections for switching associated zones (on, off, test etc.).

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 ✓

The Area is in Night mode. No abnormal conditions present.

1300 Disarmed ✓

The Area is in Day mode or all sections are excluded.
Note: some early FC20 versions may handle the Day mode erroneously and report an Anomaly condition (see 1351) when Day mode is set.

1351 Anomaly Ack ✓

Some area functionalities are switched off or delayed. The event has been acknowledged.

Gas channel - (GSDEDEGE)

Gas Channel.
The Logical Channels are exclusively used in the logical domain. Specific Sensor Channels handle the information of different kind from detection devices and a Logical Input is used for technical alarms coming from other systems. Logical Channels are configured as all other elements in the detection tree and then linked to Physical Channels during commissioning.

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 channel is in alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓ ✓

The channel is in alarm. The event should now be reset by the operator.

800 Prealarm Unack ✓ ✓

The channel is in prealarm. The event should now be acknowledged by the operator.

802 Prealarm Unreset ✓ ✓

The channel is in prealarm. The event should now be reset by the operator.

946 Active Unack ✓ ✓

The channel has been activated. 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.

950 Active ✓

The detector is active.

1000 Quiet ✓

The detector is included. No abnormal conditions present.

1100 Test ✓

The logical channel is in test mode.

1140 Test-Active ✓

The detector is in test active mode.

1300 Disarmed ✓

The detector is excluded.

1351 Anomaly Ack ✓

The automatic sensor channel evaluates one of the following anomalies: deviceOpenLoop, deviceShortCircuitLoop, drift.
The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

The automatic sensor channel evaluates one of the following anomalies: deviceOpenLoop, deviceShortCircuitLoop, drift.
The event should now be acknowledged by the operator.

1999 Fault Ack ✓

The detector is in fault. The event has been acknowledged.

2000 Fault Unack ✓ ✓

The detector is in fault. The event should now be acknowledged by the operator.

FC30 - (FIDEAPMN)

The Panel represents an entire FS20 host (panel or terminal) with respect to the process information. Also, a BACnet Device object is associated so that each host can be addressed as an individual node in the BACnet inter-network.

	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
802	Prealarm Unreset		✓								✓	✓	✓
The Control Unit event queue was deleted. The event should now be reset by the operator.													
810	Prealarm & Fault Unack	✓									✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event should now be acknowledged by the operator.													
811	Prealarm & Fault Ack										✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event has been acknowledged.													
812	Prealarm & Fault Unreset		✓								✓	✓	✓
This event is the combination of the Prealarm and Fault state. The event should now be reset by the operator.													
1000	Quiet										✓	✓	✓
The subsystem is reachable. No abnormal conditions present. The Manual command activate all sounders. The Block command deactivate all the sounders.													
1300	Disarmed										✓	✓	✓
The control unit configuration is not aligned with the management station configuration.													
1351	Anomaly Ack										✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event has been acknowledged.													
1352	Anomaly Unack	✓									✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event should now be acknowledged by the operator.													

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

✓ ✓ ✓

The panel is faulty. The event has been acknowledged.

2000 Fault Unack

✓

✓ ✓ ✓

The panel is faulty. The event should now be acknowledged by the operator.

Counter Control Alarm - (FICOZOAL)

Counter Control Alarm.

The Control represents an individual entity of control logic. Each Control has a dedicated functionality, which might be expressed by the customer text in the property description.

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



Fire control group is switched on: normal operation.

1300 Disarmed



Fire control group is switched off, so that no control function will be carried out.

Multi Dependency Zone - (FIDEZOBA)

Multi Dependency Zone

The Zone is a required element (e.g. EN54-2 regulations) that handles the raw alarm information coming from one or more detectors. Also, it supports several operating modes influencing the sensitivity of the attached detectors. Different kinds of Zones have to be used according the desired purpose.

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 zone is in Alarm. The event should now be acknowledged by the operator.																
502	Alarm Unreset		✓		✓											
The zone is in alarm. The event should now be reset by the operator.																
800	Prealarm Unack	✓			✓											
The zone is in Pre-Alarm. The event should now be acknowledged by the operator.																
802	Prealarm Unreset		✓													
The event should now be reset by the operator.																
1000	Quiet				✓	✓										
The zone is included.																
1100	Test				✓					✓						
The zone is in Test mode.																
1300	Disarmed			✓		✓										
The zone is excluded.																
1316	Manual				✓	✓										
The zone is in walk test.																
1351	Anomaly Ack			✓	✓	✓										

One of the following condition could be active:

Not Ready, Fast mode, Slow mode, Info Reminder-expired, Criteria fallback.

The event has been acknowledged.

The Arm command is available if in Not Ready.

The Disarm command is available if in Fast or Slow mode.

1352	Anomaly Unack	✓	✓	✓	✓
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One of the following condition could be active:

Not Ready, Fast mode, Slow mode, Info Reminder-expired, Criteria fallback.

The event has been acknowledged.

The Arm command is available if in Not Ready.

The Disarm command is available if in Fast or Slow mode.

Manual Redundacy Alarm - (FIDEZOAX)

Manual Redundacy Alarm.

The Zone is a required element (e.g. EN54-2 regulations) that handles the raw alarm information coming from one or more detectors. Also, it supports several operating modes influencing the sensitivity of the attached detectors. Different kinds of Zones have to be used according the desired purpose.

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 object has detect an alarm condition. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓ ✓

The object has detect an alarm condition. The event should now be reset by the operator.

1000 Quiet ✓ ✓

No abnormal conditions present.

1100 Test ✓ ✓

The zone is in test mode.

1300 Disarmed ✓ ✓

The zone is excluded.

1316 Manual ✓ ✓

The zone is in walk test.

1351 Anomaly Ack ✓ ✓ ✓

One of the following conditions could be active:

Info Reminder-expired or Criteria fallback.

The event has been acknowledged.

1352 Anomaly Unack ✓ ✓ ✓ ✓

One of the following conditions could be active:

Info Reminder-expired or Criteria fallback.

The event should now be acknowledged by the operator.

Technical Gas Zone - (GSCOZOAL)

Technical Gas Zone.

The Zone is a required element (e.g. EN54-2 regulations) that handles the raw alarm information coming from one or more detectors. Also, it supports several operating modes influencing the sensitivity of the attached detectors. Different kinds of Zones have to be used according the desired purpose.

		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 zone evaluates an alarm. The event should now be acknowledged by the operator.													
502	Alarm Unreset		✓		✓								
The event should now be reset by the operator.													
946	Active Unack	✓			✓								
The technical zone evaluates a technical alarm. 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.													
1100	Test				✓					✓			
The zone is in test mode.													
1300	Disarmed			✓		✓							
The zone is exeluded.													
1316	Manual				✓	✓							
The zone is in walk test.													
1351	Anomaly Ack		✓	✓	✓								

One of the following conditions could be active:
 Not Ready, Fast mode, Info Reminder-expired, Criteria fallback.
 The event has been acknowledged.
 The Arm command is available if in Not Ready.
 The Disarm command is available if in Fast or Slow mode.

1352	Anomaly Unack	✓	✓	✓	✓
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One of the following conditions could be active:
 Not Ready, Fast mode, Slow mode, Info Reminder-expired, Criteria fallback.
 The event should now be acknowledged by the operator.
 The Arm command is available if in Not Ready.
 The Disarm command is available if in Fast or Slow mode.

1999	Fault Ack		✓	✓	
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The zone evaluates a fault. The event has been acknowledged.

2000	Fault Unack	✓		✓	✓
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The zone evaluates a fault. The event should now be acknowledged by the operator.

Fire Subsystem Zone - (FIDAZOUD)

Fire Subsystem Zone.

The Zone is a required element (e.g. EN54-2 regulations) that handles the raw alarm information coming from one or more detectors. Also, it supports several operating modes influencing the sensitivity of the attached detectors. Different kinds of Zones have to be used according the desired purpose.

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 zone is in Alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓ ✓

The zone is in alarm. The event should now be reset by the operator.

800 Prealarm Unack ✓ ✓

The zone is in Pre-Alarm. The event should now be acknowledged by the operator.

802 Prealarm Unreset ✓ ✓

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 ✓

The zone is evaluating an external exclusion.

1000 Quiet ✓ ✓

The zone is included.

1100 Test ✓ ✓

The zone is in Test mode.

1300 Disarmed ✓ ✓

The zone is excluded.

1316 Manual ✓ ✓

The zone is in walk test.

1351 Anomaly Ack ✓ ✓ ✓

One of the following conditions could be active:

Not Ready, Fast mode, Slow mode, Info Reminder-expired, Criteria fallback.

The event has been acknowledged.

The Arm command is available if in Not Ready.

The Disarm command is available if in Fast or Slow mode.

1352 Anomaly Unack ✓ ✓ ✓ ✓

One of the following conditions could be active:

Not Ready, Fast mode, Slow mode, Info Reminder-expired, Criteria fallback.

The event has been acknowledged.

The Arm command is available if in Not Ready.

The Disarm command is available if in Fast or Slow mode.

1999 Fault Ack ✓

The zone is in Fault. The event has been acknowledged.

2000 Fault Unack ✓ ✓

The zone is in Fault. The event should now be acknowledge by the operator.

FT24 - (FIDEAPMN)

The Panel represents an entire FS20 host (panel or terminal) with respect to the process information. Also, a BACnet Device object is associated so that each host can be addressed as an individual node in the BACnet inter-network.

	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
802	Prealarm Unreset		✓								✓	✓	✓
The Control Unit event queue was deleted. The event should now be reset by the operator.													
810	Prealarm & Fault Unack	✓									✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event should now be acknowledged by the operator.													
811	Prealarm & Fault Ack										✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event has been acknowledged.													
812	Prealarm & Fault Unreset		✓								✓	✓	✓
This event is the combination of the Prealarm and Fault state. The event should now be reset by the operator.													
1000	Quiet										✓	✓	✓
The subsystem is reachable. No abnormal conditions present. The Manual command activate all sounders. The Block command deactivate all the sounders.													
1300	Disarmed										✓	✓	✓
The control unit configuration is not aligned with the management station configuration.													
1351	Anomaly Ack										✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event has been acknowledged.													
1352	Anomaly Unack	✓									✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event should now be acknowledged by the operator.													

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

✓ ✓ ✓

The panel is faulty. The event has been acknowledged.

2000 Fault Unack

✓

✓ ✓ ✓

The panel is faulty. The event should now be acknowledged by the operator.

FC21 - (FIDEAPMN)

The Panel represents an entire FS20 host (panel or terminal) with respect to the process information. Also, a BACnet Device object is associated so that each host can be addressed as an individual node in the BACnet inter-network.

	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
802	Prealarm Unreset		✓								✓	✓	✓
The Control Unit event queue was deleted. The event should now be reset by the operator.													
810	Prealarm & Fault Unack	✓									✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event should now be acknowledged by the operator.													
811	Prealarm & Fault Ack										✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event has been acknowledged.													
812	Prealarm & Fault Unreset		✓								✓	✓	✓
This event is the combination of the Prealarm and Fault state. The event should now be reset by the operator.													
1000	Quiet										✓	✓	✓
The subsystem is reachable. No abnormal conditions present. The Manual command activate all sounders. The Block command deactivate all the sounders.													
1300	Disarmed										✓	✓	✓
The control unit configuration is not aligned with the management station configuration.													
1351	Anomaly Ack										✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event has been acknowledged.													
1352	Anomaly Unack	✓									✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event should now be acknowledged by the operator.													

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

✓ ✓ ✓

The panel is faulty. The event has been acknowledged.

2000 Fault Unack

✓

✓ ✓ ✓

The panel is faulty. The event should now be acknowledged by the operator.

FC22 - (FIDEAPMN)

The Panel represents an entire FS20 host (panel or terminal) with respect to the process information. Also, a BACnet Device object is associated so that each host can be addressed as an individual node in the BACnet inter-network.

	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
802	Prealarm Unreset		✓								✓	✓	✓
The Control Unit event queue was deleted. The event should now be reset by the operator.													
810	Prealarm & Fault Unack	✓									✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event should now be acknowledged by the operator.													
811	Prealarm & Fault Ack										✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event has been acknowledged.													
812	Prealarm & Fault Unreset		✓								✓	✓	✓
This event is the combination of the Prealarm and Fault state. The event should now be reset by the operator.													
1000	Quiet										✓	✓	✓
The subsystem is reachable. No abnormal conditions present. The Manual command activate all sounders. The Block command deactivate all the sounders.													
1300	Disarmed										✓	✓	✓
The control unit configuration is not aligned with the management station configuration.													
1351	Anomaly Ack										✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event has been acknowledged.													
1352	Anomaly Unack	✓									✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event should now be acknowledged by the operator.													

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

✓ ✓ ✓

The panel is faulty. The event has been acknowledged.

2000 Fault Unack

✓

✓ ✓ ✓

The panel is faulty. The event should now be acknowledged by the operator.

FC24 - (FIDEAPMN)

The Panel represents an entire FS20 host (panel or terminal) with respect to the process information. Also, a BACnet Device object is associated so that each host can be addressed as an individual node in the BACnet inter-network.

	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
802	Prealarm Unreset		✓								✓	✓	✓
The Control Unit event queue was deleted. The event should now be reset by the operator.													
810	Prealarm & Fault Unack	✓									✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event should now be acknowledged by the operator.													
811	Prealarm & Fault Ack										✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event has been acknowledged.													
812	Prealarm & Fault Unreset		✓								✓	✓	✓
This event is the combination of the Prealarm and Fault state. The event should now be reset by the operator.													
1000	Quiet										✓	✓	✓
The subsystem is reachable. No abnormal conditions present. The Manual command activate all sounders. The Block command deactivate all the sounders.													
1300	Disarmed										✓	✓	✓
The control unit configuration is not aligned with the management station configuration.													
1351	Anomaly Ack										✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event has been acknowledged.													
1352	Anomaly Unack	✓									✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event should now be acknowledged by the operator.													

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

✓ ✓ ✓

The panel is faulty. The event has been acknowledged.

2000 Fault Unack

✓

✓ ✓ ✓

The panel is faulty. The event should now be acknowledged by the operator.

FC26 - (FIDEAPMN)

The Panel represents an entire FS20 host (panel or terminal) with respect to the process information. Also, a BACnet Device object is associated so that each host can be addressed as an individual node in the BACnet inter-network.

	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
802	Prealarm Unreset		✓								✓	✓	✓
The Control Unit event queue was deleted. The event should now be reset by the operator.													
810	Prealarm & Fault Unack	✓									✓	✓	✓
This event is the combination of the Prealarm and Fault state. The event should now be acknowledged by the operator.													
811	Prealarm & Fault Ack										✓	✓	✓
This event is the combination of the Prealarm and Fault state. The event has been acknowledged.													
812	Prealarm & Fault Unreset		✓								✓	✓	✓
This event is the combination of the Prealarm and Fault state. The event should now be reset by the operator.													
1000	Quiet										✓	✓	✓
The subsystem is reachable. No abnormal conditions present. The Manual command activate all sounders. The Block command deactivate all the sounders.													
1300	Disarmed										✓	✓	✓
The control unit configuration is not aligned with the management station configuration.													
1351	Anomaly Ack										✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event has been acknowledged.													
1352	Anomaly Unack	✓									✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event should now be acknowledged by the operator.													

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

✓ ✓ ✓

The panel is faulty. The event has been acknowledged.

2000 Fault Unack

✓

✓ ✓ ✓

The panel is faulty. The event should now be acknowledged by the operator.

Output Subsystem - (FIDAOUEL)

Output Subsystem Logical Channel.

These Logical Channels are exclusively used in the control domain. These configured Logical Channels also are linked to Physical Channels.

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 output is in alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓

The output is in alarm. The event should now be reset by the operator.

800 Prealarm Unack ✓

The output is in prealarm. The event should now be acknowledged by the operator.

802 Prealarm Unreset ✓

The output is in prealarm. The event should now be reset by the operator.

950 Active

The channel is activated in normal mode.

1000 Quiet

No abnormal conditions present.

1351 Anomaly Ack

The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop. The event has been acknowledged.

1352 Anomaly Unack ✓

The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop. The event should now be acknowledged by the operator.

1999 Fault Ack

The channel is faulty. The event has been acknowledged.

2000 Fault Unack



The channel is faulty. The event should now be acknowledged by the operator.

FC50 - (FIDEAPMN)

The Panel represents an entire FS20 host (panel or terminal) with respect to the process information. Also, a BACnet Device object is associated so that each host can be addressed as an individual node in the BACnet inter-network.

	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
802	Prealarm Unreset		✓								✓	✓	✓
The Control Unit event queue was deleted. The event should now be reset by the operator.													
810	Prealarm & Fault Unack	✓									✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event should now be acknowledged by the operator.													
811	Prealarm & Fault Ack										✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event has been acknowledged.													
812	Prealarm & Fault Unreset		✓								✓	✓	✓
This event is the combination of the Prealarm and Fault state. The event should now be reset by the operator.													
1000	Quiet										✓	✓	✓
The subsystem is reachable. No abnormal conditions present. The Manual command activate all sounders. The Block command deactivate all the sounders.													
1300	Disarmed										✓	✓	✓
The control unit configuration is not aligned with the management station configuration.													
1351	Anomaly Ack										✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event has been acknowledged.													
1352	Anomaly Unack	✓									✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event should now be acknowledged by the operator.													

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

✓ ✓ ✓

The panel is faulty. The event has been acknowledged.

2000 Fault Unack

✓

✓ ✓ ✓

The panel is faulty. The event should now be acknowledged by the operator.

Nac Submodule - (HWCOICGE)

This object represents a NAC submodule.

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 module has evaluate a anomaly condition. The event has been acknowledged.

1352 Anomaly Unack ✓

The module has evaluate a anomaly condition. The event should now be acknowledged by the operator.

1999 Fault Ack

The sub-module evaluates a fault out. The event has been acknowledged.

2000 Fault Unack ✓

The sub-module evaluates a fault out. The event should now be acknowledged by the operator.

Asd Channel - (FIDEDCPH)

Asd channel.
This is a physical channel that unlike the majority of physical channels process the information by itself.

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 object has detect an anomaly condition. The event has been acknowledged.

1352 Anomaly Unack ✓

The object has detect an anomaly condition. The event should now be acknowledged by the operator.

1999 Fault Ack

The asd channel is in fault. The event has been acknowledged.

2000 Fault Unack ✓

The asd channel is in fault. The event should now be acknowledged by the operator.

ModuleReleasingElem - (HWEXEXGE)

Module releasing elem.

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 module is found newly in the system. The event has been acknowledged.

1352 Anomaly Unack ✓

The module is found newly in the system. The event should now be acknowledged by the operator.

1999 Fault Ack

The module is in fault. The event has been acknowledged.

2000 Fault Unack ✓

The module is in fault. The event should now be acknowledged by the operator.

System Buzzer - (FIDEHCMN)

The system buzzer element indicates per panel when the buzzers are switched off. On the PMI, this is a system wide function for all panels switching off all buzzers e.g. from PMIs, FRTs and other user interfaces on UFP with a buzzer (is a CH feature!).

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

The Buzzer is switched on.

1300 Disarmed

The Buzzer is switched off.

Config Fsd Elem - (HWNONOKC)

Config Fsd elem.
Under the config Fsd elem you can have: tamper contact, RT feedback, alarm signal and heating signal.

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 element is in alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓ ✓ ✓

The element is in alarm. The event should now be reset by the operator.

946 Active Unack ✓ ✓

The element is in the active state. The event should now be acknowledged by the operator.

947 Active Ack ✓

The event has been acknowledged.

948 Active Unreset ✓ ✓

The element is in active state. The event should now be reset by the operator.

950 Active ✓

The element is in active state.

1000 Quiet ✓ ✓

No abnormal conditions present.

1300 Disarmed ✓ ✓

The object is disabled

1999 Fault Ack ✓ ✓

The element is in fault. The event has been acknowledged.

2000 Fault Unack



The element is in fault. The event should now be acknowledged by the operator.

Expanded visibility PMI - (HWNOCCPM)

The PMI Visibility elements are attached to the PMI Config element which models the local PMI of an FS20 station. The subordinate Visibility elements are mainly used for configuration purposes; one for the standard view of that PMI and further ones for additional views. This is for manual activation on user request.

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 object has detect an anomaly condition. The event has been acknowledged.

1352 Anomaly Unack

✓

The object has detect an anomaly condition. The event should now be acknowledged by the operator.

StandBy Pmi - (HWNOSIPM)

The PMI Visibility elements are attached to the PMI Config element which models the local PMI of an FS20 station. The subordinate Visibility elements are mainly used for configuration purposes; one for the standard view of that PMI and further ones for additional views. This is for automatic fallback for another terminal.

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 object has detect an anomaly condition. The event has been acknowledged.

1352 Anomaly Unack



The object has detect an anomaly condition. The event should now be acknowledged by the operator.

FC2080 - (FIDEAPMN)

The Panel represents an entire FS20 host (panel or terminal) with respect to the process information. Also, a BACnet Device object is associated so that each host can be addressed as an individual node in the BACnet inter-network.

	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
802	Prealarm Unreset		✓								✓	✓	✓
The Control Unit event queue was deleted. The event should now be reset by the operator.													
810	Prealarm & Fault Unack	✓									✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event should now be acknowledged by the operator.													
811	Prealarm & Fault Ack										✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event has been acknowledged.													
812	Prealarm & Fault Unreset		✓								✓	✓	✓
This event is the combination of the Prealarm and Fault state. The event should now be reset by the operator.													
1000	Quiet										✓	✓	✓
The subsystem is reachable. No abnormal conditions present. The Manual command activate all sounders. The Block command deactivate all the sounders.													
1300	Disarmed			✓							✓	✓	✓
The control unit configuration is not aligned with the management station configuration.													
1351	Anomaly Ack										✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event has been acknowledged.													
1352	Anomaly Unack	✓									✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event should now be acknowledged by the operator.													

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

✓ ✓ ✓

The panel is faulty. The event has been acknowledged.

2000 Fault Unack

✓

✓ ✓ ✓

Panel is faulty. The event should now be acknowledged by the operator.

FG2020 - (FIDEAPMN)

The Panel represents an entire FS20 host (panel or terminal) with respect to the process information. Also, a BACnet Device object is associated so that each host can be addressed as an individual node in the BACnet inter-network.

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
802	Prealarm Unreset		✓								✓	✓	✓
The Control Unit event queue was deleted. The event should now be reset by the operator.													
810	Prealarm & Fault Unack	✓									✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event should now be acknowledged by the operator.													
811	Prealarm & Fault Ack										✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event has been acknowledged.													
812	Prealarm & Fault Unreset		✓								✓	✓	✓
This event is the combination of the Prealarm and Fault state. The event should now be reset by the operator.													
1000	Quiet										✓	✓	✓
The subsystem is reachable. No abnormal conditions present. The Manual command activate all sounders. The Block command deactivate all the sounders.													
1300	Disarmed										✓	✓	✓
The control unit configuration is not aligned with the management station configuration.													
1351	Anomaly Ack										✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event has been acknowledged.													
1352	Anomaly Unack	✓									✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event should now be acknowledged by the operator.													

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

✓

✓

✓

The panel is faulty. The event has been acknowledged.

2000 Fault Unack

✓

✓

✓

✓

Panel is faulty. The event should now be acknowledged by the operator.

Fsd Input Log channel - (FIVDINGE)

This object represents the tamper contact of the fire brigade Deport Adapter

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 channel is activated in normal mode.
The event should now be acknowledged by the operator.

947 Active Ack

The channel is activated in normal mode.
The event has been acknowledged.

950 Active

The channel is activated in normal mode.

1000 Quiet

The channel is in an idle state

1351 Anomaly Ack

The Channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop,Noise (IncidentFaultNoise)
The event has been acknowledged by operator

1352 Anomaly Unack ✓

The Channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop,Noise (IncidentFaultNoise)
The event should now be acknowledged by the operator.

1999 Fault Ack

One of the following faults occurred: fault;DeviceLocation;
DeviceShortCircuitLoop;DeviceConfig;DeviceWrongType
The event has been acknowledged.

2000 Fault Unack ✓

One of the following faults occurred: fault;DeviceLocation;
DeviceShortCircuitLoop;DeviceConfig;DeviceWrongType.
The event should now be acknowledged by the operator.

Fsd OutputLog channel - (FIVDOUGE)

This objects represent one of the three outputs of the Fire brigade Key Adapter (RT feedback, alarm signal, or heating signal)

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 Channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop,Noise (IncidentFaultNoise)
The event has been acknowledged.

1352 Anomaly Unack ✓

The Channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop,Noise (IncidentFaultNoise)
The event should now be acknowledged by the operator.

1999 Fault Ack

One of the following faults occurred: fault;DeviceLocation;
DeviceShortCircuitLoop;DeviceConfig;DeviceWrongType.
The event has been acknowledged.

2000 Fault Unack ✓

One of the following faults occurred: fault;DeviceLocation;
DeviceShortCircuitLoop;DeviceConfig;DeviceWrongType.
The event should now be acknowledged by the operator.

Releasing Control Group - (FIEXZOAX)

Fire Control Group.

The Control Group is the means for organizing the different kinds of controls. The four fundamental Control Groups are: Alarm, Fire, Evacuation and Extinguishing. Some of the Control Groups allow changing the operation mode for its Controls.

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 ✓ ✓

Releasing control group is switched on: normal operation.

1100 Test ✓ ✓

The Releasing Control Group operates its control in test mode to allow verifying the configured functions.

1300 Disarmed ✓ ✓

Releasing control group is switched off, so that no control function will be carried out.

Control LED - (FICOOUSU)

Control LED.

The Control represents an individual entity of control logic. Each Control has a dedicated functionality, which might be expressed by the customer text in the property description.

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

✓

✓

The control is activated in normal mode.

1000 Quiet

✓

✓

The control is switched on: normal operation.

1100 Test

✓

✓

The control is operating in test mode to allow verifying the configured functions.

1300 Disarmed

✓

✓

The control is switched off so that the function will be not carried out.

LED output - (FICOOUGE)

LED Output Logical Channel.

These Logical Channels are exclusively used in the control domain. Inputs are used to trigger Controls which in turns activate Outputs or Sounders. These configured Logical Channels also are linked to Physical Channels.

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

✓

✓

The channel is activated.

1000 Quiet

✓

✓

No abnormal conditions present.

1140 Test-Active

✓

✓

The channel is activated in test mode.

1300 Disarmed

✓

✓

The output channel is switched off providing neither activation nor fault information.

1351 Anomaly Ack

✓

✓

The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop. The event has been acknowledged.

1352 Anomaly Unack

✓

✓

✓

The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop. The event should now be acknowledged by the operator.

1999 Fault Ack

✓

✓

The channel is faulty. The event has been acknowledged.

2000 Fault Unack

✓

✓

✓

The channel is faulty. The event should now be acknowledged by the operator.

Releasing output channel - (FIEXOUEL)

Generic Output Logical Channel.

These Logical Channels are exclusively used in the control domain. Inputs are used to trigger Controls which in turns activate Outputs or Sounders. These configured Logical Channels also are linked to Physical Channels.

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 ✓

The channel is activated.

1000 Quiet ✓

No abnormal conditions present.

1140 Test-Active ✓

The channel is activated in test mode.

1300 Disarmed ✓

The output channel is switched off providing neither activation nor fault information.

1351 Anomaly Ack ✓

The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop.The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

The channel indicates one of the following system info: DeviceOpenLoop, DeviceShortCircuitLoop. The event should now be acknowledged by the operator.

1999 Fault Ack ✓

The channel is faulty. The event has been acknowledged.

2000 Fault Unack ✓ ✓

The channel is faulty. The event should now be acknowledged by the operator.

CPU Module - (HWNOPOGE)

CPU Module.

The Module is a pluggable part of an FS20 host. It can be sub-divided into submodules. Among the Modules, the CPU Module has a specific designation.

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 module is found newly in the system or he CPUFcc2004 Module is active.The event has been acknowledged.

1352 Anomaly Unack ✓

The module is found newly in the system or he CPUFcc2004 Module is active. The event should now be acknowledged by the operator.

1999 Fault Ack

The module is in fault. The event has been acknowledged.

2000 Fault Unack ✓

The module is in fault. The event should now be acknowledged by the operator.

RtModule - (HWCMRCE)

RT Supply Module.

The Module is a pluggable part of an FS20 host. It can be sub-divided into submodules. Among the Modules, the Rt Module has a specific designation.

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 module is found newly in the system. The event has been acknowledged.

1352 Anomaly Unack ✓

The module is found newly in the system. The event should now be acknowledged by the operator.

1999 Fault Ack

The module is in fault. The event has been acknowledged.

2000 Fault Unack ✓

The module is in fault. The event should now be acknowledged by the operator.

Firmware SubModule - (HWCOPGGE)

Firmware SUBModule.
The Submodule is a functional part of a Module.

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 firmware submodule evaluates a fault. The event has been acknowledged.

2000 Fault Unack ✓

The firmware submodule evaluates a fault. The event should now be acknowledged by the operator.

Verification walktest - (FIDEVFGE)

The Walktest Verification(WC) just influences the alarm equipment. They are not visible on the PMI, but rather the delays for t1, t2 or ts are displayed when active (-> countdown).

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 Walktest Verification is running The event should now be acknowledged by the operator.

947 Active Ack

The Walktest Verification is running. The event has been acknowledged.

1000 Quiet

No abnormal conditions present.

Standard Gas Zone - (GSDEZOU)

Zone related to sprinklers.

The Zone is a required element (e.g. EN54-2 regulations) that handles the raw alarm information coming from one or more detectors. Also, it supports several operating modes influencing the sensitivity of the attached detectors. Different kinds of Zones have to be used according the desired purpose.

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.

502 Alarm Unreset ✓ ✓

The event should now be reset by the operator.

800 Prealarm Unack ✓ ✓

The event should now be acknowledged by the operator.

802 Prealarm Unreset ✓ ✓

The event should now be reset by the operator.

950 Active ✓ ✓

The zone is active.

1000 Quiet ✓ ✓

No abnormal conditions present.

1100 Test ✓ ✓

The zone is in test mode.

1300 Disarmed ✓ ✓

The zone is excluded

1316 Manual ✓ ✓

The zone is in walk test.

1351 Anomaly Ack ✓ ✓

One of the following condition could be active: Not Ready, Off-expired, Criteria fallback.
The event has been acknowledged.

1352 Anomaly Unack ✓ ✓ ✓

One of the following condition could be active : Not Ready,Off-expired, Criteria fallback.
The event shall be acknowledged.

SubArea propagation - (FIDSESU)

SubArea propagation:

The Detection Area has a Sub-Area-Propagation *1 part that provides the same functionality like Sections for switching associated Zones (ON, OFF, TEST etc.).

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.

1100 Test

All the zones of the area are in test

1300 Disarmed

All the zones of the area are in off.

1316 Manual

All the zones of teh area are in walk test

SubArea fire control - (FICOUDSU)

Sub area fire controls.
All areas have a SUBArea for bypassing fire controls and receive the feedback

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

Some fire controls are off

SubArea Rt Control - (BSCODCSU)

Sub area RT controls.
All areas have a SubArea for bypassing RT controls and receive the feedback of the bypass/unBypass commands.

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

Some Rt controls are off

SubArea Horn control - (FIDEHOSU)

Sub area horn controls.
All areas have a SubArea for bypassing horn controls and receive the feedback of the bypass/unBypass commands.

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

✓ ✓

Some horn controls are off

FT2080 panel - (FIDEAPMN)

The Panel represents an entire FS20 host (terminal) with respect to the process information. Also, a BACnet Device object is associated so that each host can be addressed as an individual node in the BACnet inter-network

	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
802	Prealarm Unreset		✓								✓	✓	✓
The Control Unit event queue was deleted. The event should now be reset by the operator.													
810	Prealarm & Fault Unack	✓									✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event should now be acknowledged by the operator.													
811	Prealarm & Fault Ack										✓	✓	✓
This event is the combination of the Prealarm and Fault state.The event has been acknowledged.													
812	Prealarm & Fault Unreset		✓								✓	✓	✓
This event is the combination of the Prealarm and Fault state. The event should now be reset by the operator.													
1000	Quiet										✓	✓	✓
No abnormal conditions present.													
1300	Disarmed			✓							✓	✓	✓
The control unit configuration is not aligned with the management station configuration.													
1351	Anomaly Ack										✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event has been acknowledged.													
1352	Anomaly Unack	✓									✓	✓	✓
The panel has evaluated one of the following system info: bootCompleted, Factory Reset, MCLinkEnabled, PreconfigLoaded, AnalyzerEnabled, remoteAccessEnabled, TimeLost, TimeMasterUnreachable. The event should now be acknowledged by the operator.													

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

The panel is faulty. The event has been acknowledged.

2000 Fault Unack

✓

✓ ✓ ✓

Panel is faulty. The event should now be acknowledged by the operator.

Legacy field bus modules - (HWCODCAD)

Legacy field bus modules:

This node represents one of the following physical modules of FS20:ModuleAPlusFci2005Elem,

ModuleInteractiveFci2006Elem, ModuleInteractiveFci2007Elem, ModuleSynoloopFci7201Elem, ModuleInterlockingFci2002Elem,ModuleRingSwitchFn2012Elem.

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 module is found newly in the system. The event has been acknowledged.

1352 Anomaly Unack ✓

The module is found newly in the system. The event should now be acknowledged by the operator.

1999 Fault Ack

The module is in fault. The event has been acknowledged.

2000 Fault Unack ✓

The module is in fault. The event should now be acknowledged by the operator.

Legacy modules lines - (HWDEDCUD)

The Line is a specific Submodule for detectors. In general, they just evaluate some states such as abnormal or faults. But the Line may also evaluate collective alarms and can usually become switched off.

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

500 Alarm Unack ✓ ✓

This line has evaluated a collective automatic fire alarm. The event should now be acknowledged by the operator.

502 Alarm Unreset ✓ ✓

This line has evaluated a collective automatic fire alarm. The event should now be reset by the operator.

510 Alarm & Fault Unack ✓ ✓

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

511 Alarm & Fault Ack ✓

This event is the combination of a collective automatic fire Alarm and a Fault state. The event has been acknowledged.

512 Alarm & Fault Unreset ✓ ✓

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

1000 Quiet ✓

No abnormal conditions present.

1300 Disarmed ✓

This line is switched off or partially switched off (e.g. LineConnectedOnlyFromFront or LineConnectedOnlyFromRear) or is in replace-mode.

1351 Anomaly Ack ✓

This line has evaluated an abnormal condition. The event has been acknowledged.

1352 Anomaly Unack ✓ ✓

This line has evaluated an abnormal condition. The event should now be acknowledged by the operator.

1999 Fault Ack ✓

This line evaluates one fault. The event has been acknowledged.

2000 Fault Unack ✓ ✓

This line evaluates a fault. The event should now be acknowledged by the operator.

ConfigVisualizerElem - (HWCMCTCF)

ConfigVisualizerElem

A Config element is a member of the operation tree and is mainly used for the configuration of country specific operation and view peripherals. Also some process states can be evaluated and even some operation modes are possible

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

This state indicates a remote access. The event has not to be acknowledged.

SmartphoneClient - (HWCMCTCL)

The Smartphone-Client element represents a predefined mobile device which can gain access to the FS20 panel via a connected wireless router. One or more of these elements may be attached to the ConfigVisualizerElem.

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 smartphone client is recognized newly and may get accepted. The event has not to be acknowledged by the operator.

Verification Alarm Timer - (SYDETIAL)

Verification Alarm timer:

The Alarm Verification AVC is now represented with an ISA_Timer object providing the count-down time (not required for IC). This object represent an AVC configured to manage the alarms (not prealarm).

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

The timer is running.

1000 Quiet

The timer is idle.

1300 Disarmed

The timer is expired.

VerificationNonAlarmTimer - (SYDETIGE)

Verification non Alarm timer:

The Alarm Verification AVC is now represented with an ISA_Timer object providing the count-down time (not required for IC). This object represent an AVC configured to manage the prealarms -

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

The timer is running.

1000 Quiet

The timer is idle.

1300 Disarmed

The timer is expired.

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