



THINK FORWARD NOTIFIER

2018



WELCOME

Agenda

- NCD
- VeriFire Tools 10
- Listings Update
- FireWarden X Series
- New line of detection
- SWIFT
- VESDA – E Integration



Network Control Display



NOTIFIER Design



- New NOTIFIER look - Released with ONYXWorks 4.0
- Common User Interface
- Better user experience
- Be more efficient when working with various products of the same family when key components are in the same location

Network Control Display



REQUIRES:

- ONYX series panel or network of panels
- Panel version 26 or higher

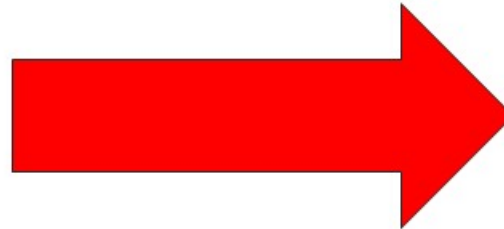
SUPPORTS:

- Can be primary display for standalone panel
- Can be a network-wide display

Network Control Display

Refresh the look of current panels while utilizing existing hardware

- “**Direct Connect**” allows the NCD to be the primary display on NFS2-3030, NFS2-640, or NFS-320SYS
- **New Dress Panels**
 - DP-GDIS1 – Dress plate for graphic display when used in top row of CAB-4 cabinet
 - DP-GDIS2 – Dress plate for graphic display when used in CAB-4 cabinet, except top row



Display Regions

Head Bar provides system status as well as highest priority unacknowledged event – always present

Head Bar also provided area for ACK/SIL/RESET buttons – always present

Menu/Home button – always present

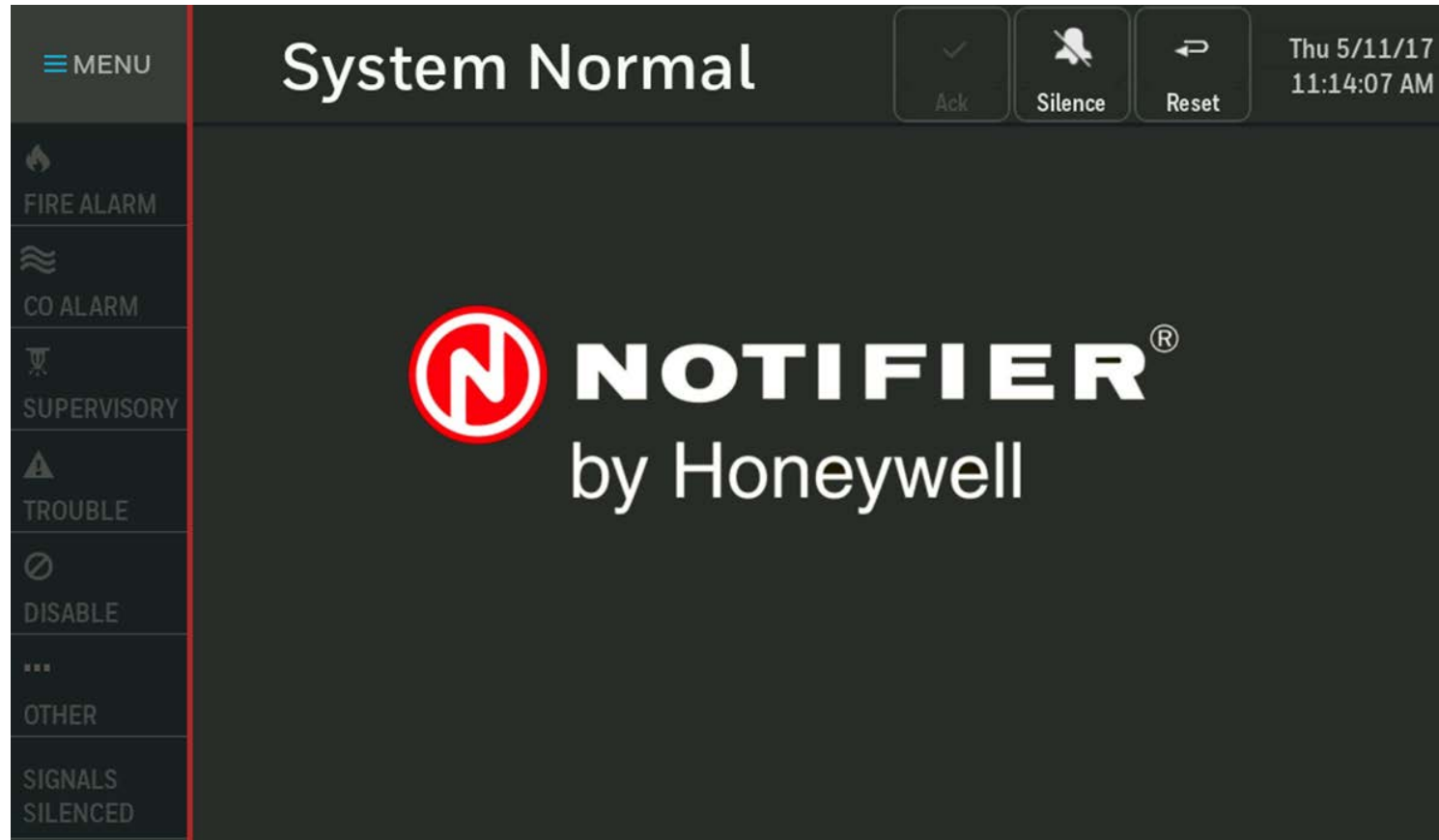
Instructional text used to provide user instruction in off normal condition. Also used as bread crumb trail for menu dialogs – always present

Alert Bar provides color event indications and event counter – always present

Alert Bar provides color event indications and event counter – always present



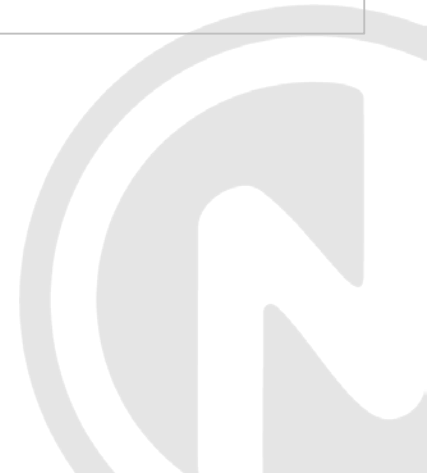
Simulation Tool



NCD Connections

- Requires 24 VDC power
- NUP – Direct Connect to CPU or NCM
- Tamper Input
- Tamper Output

- 3 USB's
 - USB Type A
 - Located on back
 - USB Micro
 - Located on back
 - USB Type C
 - Located on front of display



Availability and Roadmap

- NCD is available NOW!
- Upcoming firmware releases
 - January 2019
 - Logins
 - Read Status
 - Custom Actions
 - Second Quarter 2019
 - ULC listings
 - Login Enhancements
- First Release of new panel Family
 - Forth Quarter 2019



System Manager App



Overview

- Cloud based application
- Android and iOS compatible.
- Supports unlimited number of sites per license.
- NOTIFIER System Manager can be licensed separately or with eVance Inspection Manager and/or eVance Service Manager.

Access to your NOTIFIER fire alarm system is now available directly from your mobile device

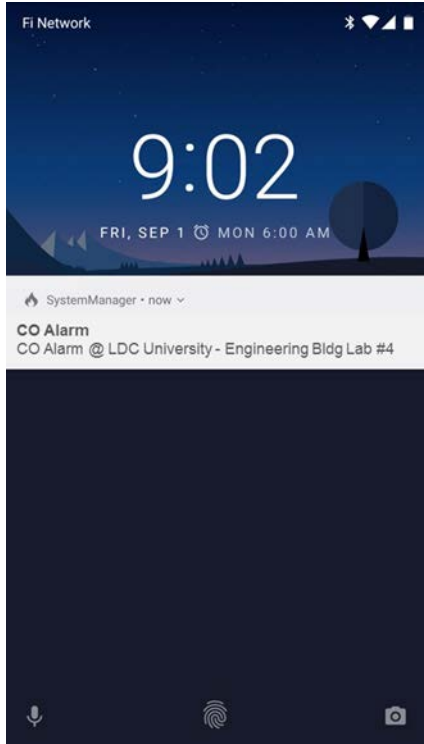


Event Notification

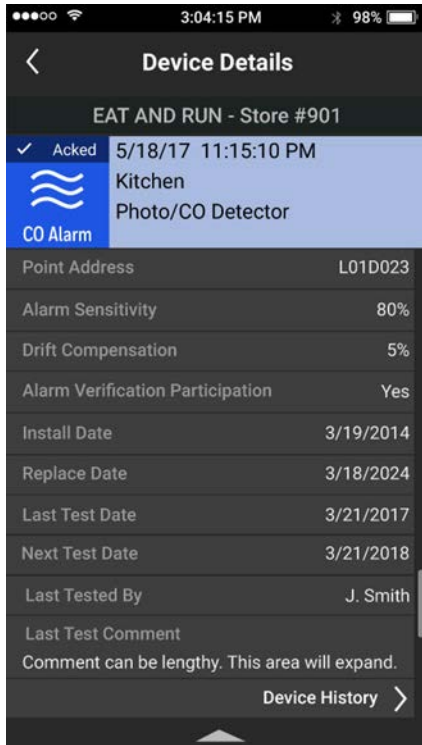
- Receive push notifications for: Fire Alarm, Trouble, Supervisory, Pre-Alarm, Disabled, Mass Notification and Security
- Displays event details, device information and device history for all off-normal events
- Device test information (from eVance Inspection Manager) is displayed for off-normal events
- System event information can be forwarded via email or text
- Easily request service from your provider via service ticket for off normal conditions (if combined with eVance Service Manager).



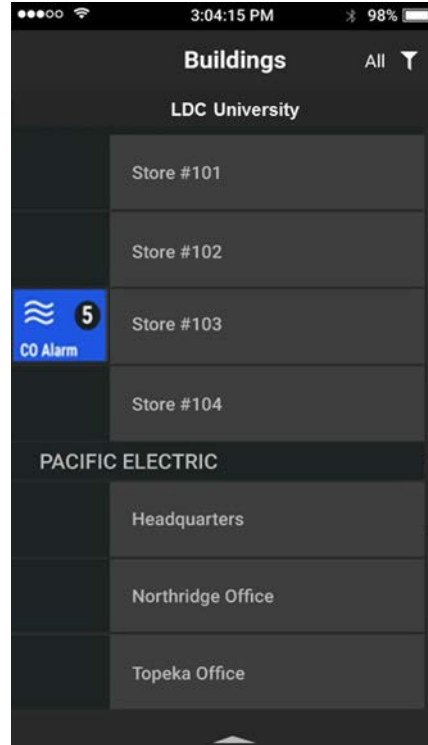
PUSH NOTIFICATIONS



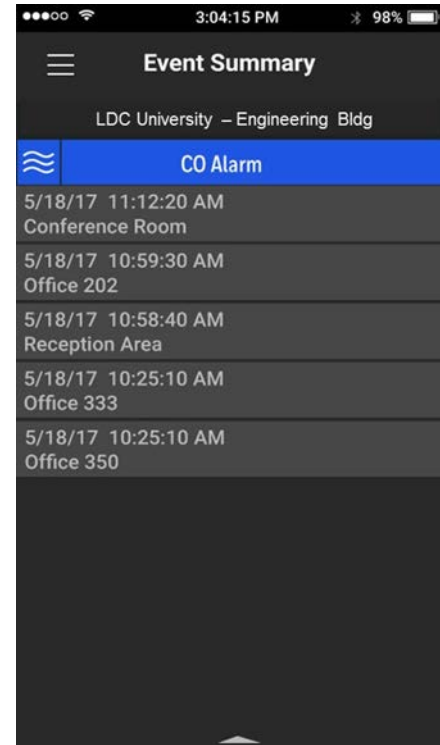
DEVICE DETAILS



EVENT SUMMARY



EVENT TIMELINE



VeriFire Tools



VeriFire Tools :

Operation System & Platform Support



Windows 7
–32 and 64 bit



Windows 8
–32 and 64 bit



Windows 8.1
–32 and 64 bit



Windows 10
–32 and 64 bit



–Windows Surface Pro 3 & 4 tablets

VeriFire Tools - v10.0

- Incorporates NOTIFIER Design Language Theme

The screenshot displays the VeriFire Tools v10.0 software interface. The main window shows a configuration table for detectors on a specific node and loop. The table includes columns for Device Address, Installation status, Type Code Label, FlashScan Type, Custom Label, Extended Label, Alarm Verification Part, Local Mode Part, PreAlarm Mode, Silenceable SND Base, and seven CBE (Circuit Breaker End) columns (CBE 1 through CBE 7).

The table data is as follows:

Device ADDR	INSTL	Type Code Label	FlashScan Type	Custom Label	Extended Label	Alarm Ver. Part.	Local Mode Part.	PreAlarm Mode	Silenceable SND Base	CBE 1	CBE 2	CBE 3	CBE 4	CBE 5	CBE 6	CBE 7
13	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>									
14	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>									
15	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>									
16	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>									
17	<input checked="" type="checkbox"/>	Smoke Accl +	IQUAD	Theater		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1						
18	<input checked="" type="checkbox"/>	Fire/CO	FIRE/CO	Dorm Room 311		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1						
19	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>									
20	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>									
21	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>									
22	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>									
23	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>									
24	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>									
25	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>									
26	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>									
27	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>									
28	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>									
29	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>									
30	<input checked="" type="checkbox"/>	Aspiration	FAASTX	VEA		<input type="checkbox"/>	<input type="checkbox"/>	Action	No	Z1						
31	<input checked="" type="checkbox"/>	Aspiration	FAASTX	VEA		<input type="checkbox"/>	<input type="checkbox"/>	Action	No	Z1						
32	<input checked="" type="checkbox"/>	Aspiration	FAASTX	VEA		<input type="checkbox"/>	<input type="checkbox"/>	Action	No	Z1						
33	<input checked="" type="checkbox"/>	Aspiration	FAASTX	VEA		<input type="checkbox"/>	<input type="checkbox"/>	Action	No	Z1						
34	<input checked="" type="checkbox"/>	Aspiration	FAASTX	VEA		<input type="checkbox"/>	<input type="checkbox"/>	Action	No	Z1						
35	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	Office 039		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1						
36	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	Office 040		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1						
37	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	Office 041		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1						
38	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	Cell A2		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1						
39	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	Cell A3		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1						
40	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	Cell A4		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1						
41	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	L01D041		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1						
42	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	L01D041		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1						
43	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	L01D043		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1						
44	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	L01D044		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1						

At the bottom of the table, it states: Total Detectors on FlashScan Loop 1: 47. The interface also includes a 'Save' button and a 'Cancel' button at the bottom right.

VeriFire Tools - v10.0

- Incorporates NOTIFIER Design Language Theme

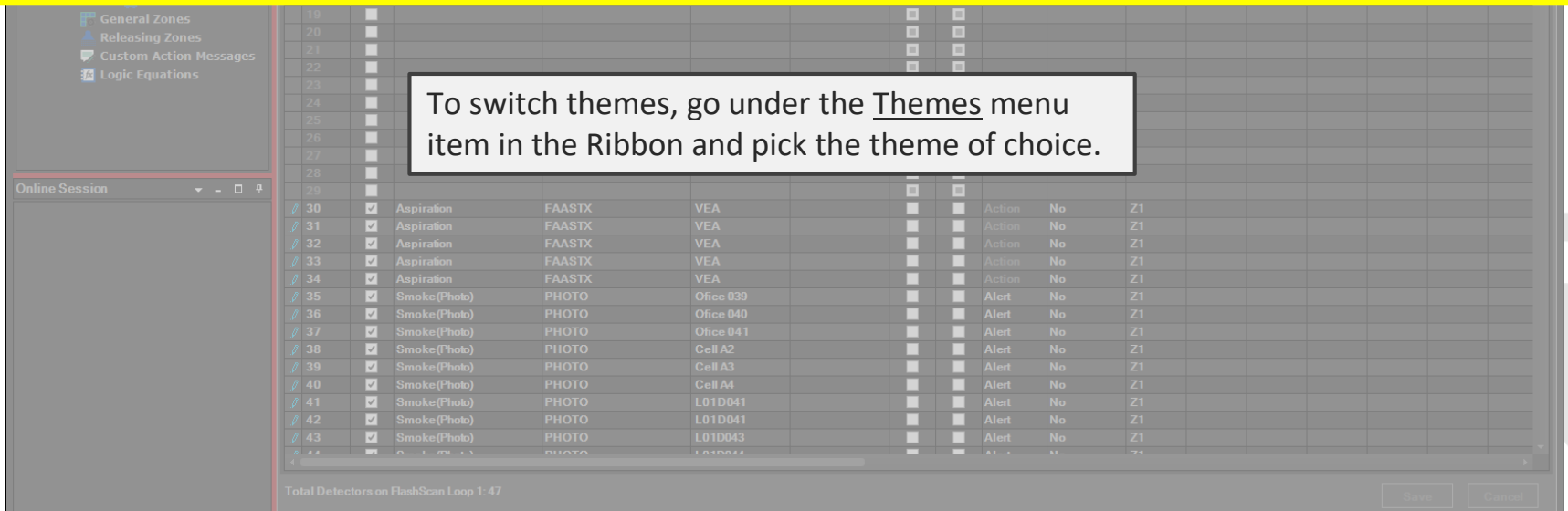
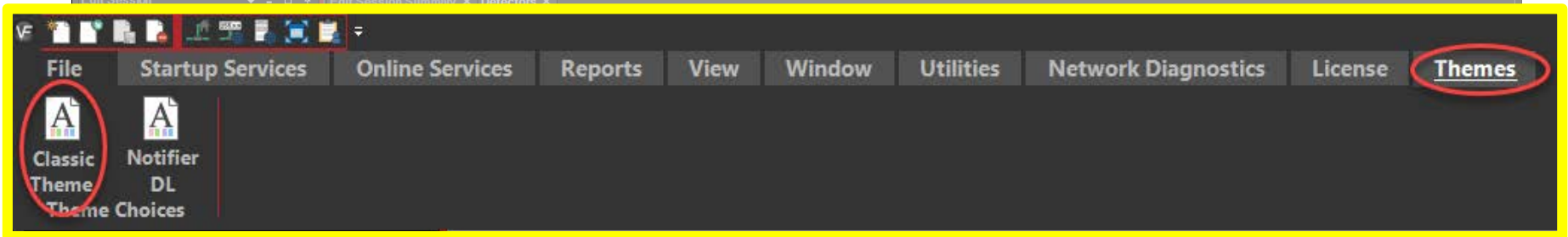
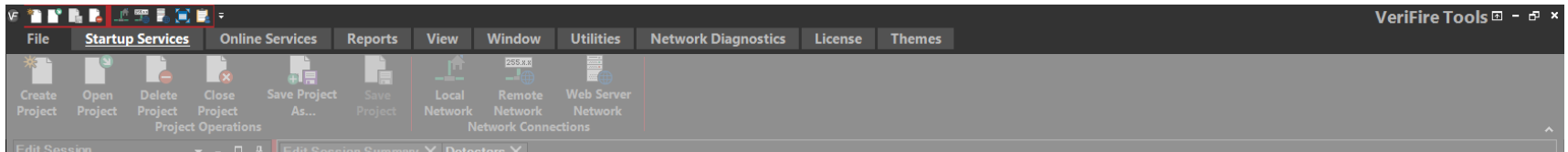
The screenshot displays the VeriFire Tools v10.0 software interface. The 'Themes' ribbon command is highlighted, with a callout box stating: "Ribbon command allows to easily switch back to the familiar Classic theme." The interface shows a project tree on the left with 'NDLvsClassicTheme (V1.0)' selected. The main area displays a table of detector data for Node 1 (NFS2-3030) > Loop 1.

Device ADDR	IN STL	Type Code Label	Flash Scan Type	Custom Label	Extended Label	Alarm. Ver. Part.	Local Mode Part.	PreAlarm Mode	Silenceable SMD Base	CBE 1	CBE 2	CBE 3
1	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	L01D001				Alert	No	Z1		
2	<input checked="" type="checkbox"/>	Sup L(Photo)	PHOTO	L01D002				Alert	No	Z1		
3	<input type="checkbox"/>											
4	<input checked="" type="checkbox"/>	Aspiration	FAAST	L01D004				Action	No	Z1		
5	<input type="checkbox"/>											
6	<input type="checkbox"/>											
7	<input type="checkbox"/>											
8	<input checked="" type="checkbox"/>	Aspir. (NON)	FAAST	L01D008				Action	No	Z1		
9	<input type="checkbox"/>											
10	<input checked="" type="checkbox"/>	Sup L(Ion)	ION	L01D010				Alert	No	Z1		
11	<input type="checkbox"/>											
12	<input type="checkbox"/>											
13	<input type="checkbox"/>											
14	<input type="checkbox"/>											
15	<input type="checkbox"/>											
16	<input type="checkbox"/>											
17	<input type="checkbox"/>											
18	<input type="checkbox"/>											
19	<input type="checkbox"/>											
20	<input type="checkbox"/>											
21	<input type="checkbox"/>											
22	<input type="checkbox"/>											
23	<input type="checkbox"/>											
24	<input type="checkbox"/>											
25	<input type="checkbox"/>											

Total Detectors on FlashScan Loop 1: 0

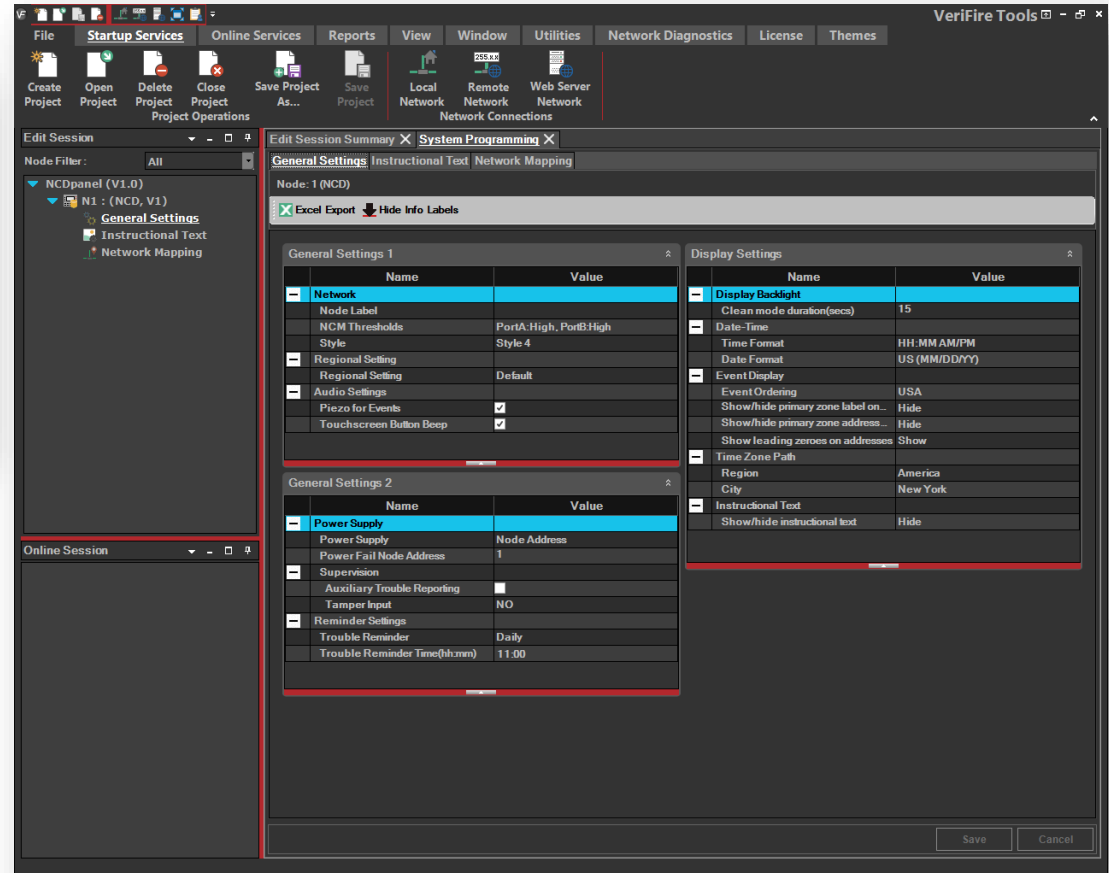
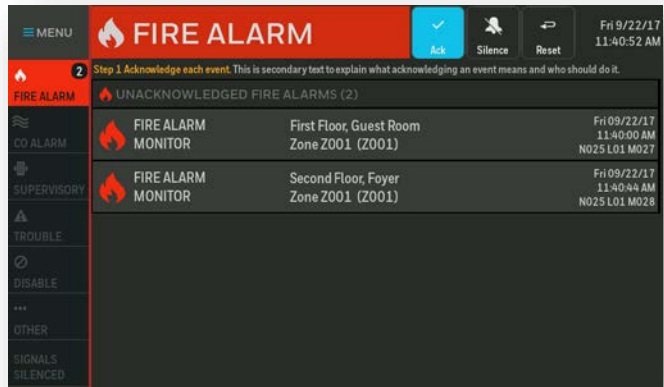
VeriFire Tools - v10.0

- NOTIFIER Design Language Theme



VeriFire Tools - v10.0

- Support of the NCD (Network Control Display) Panel



VeriFire Tools - v10.0

- Non-Default Indicator Feature
 - This new feature will conveniently indicate in the panel's General Settings when values are other than the default:

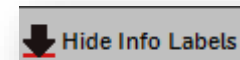
General Settings 1

	Name	Value
[-]	Node Label	
	Node Label	
[-]	Common Settings	
	Tamper Input	NO
	Date Format	MM/DD/YY
	Time Format	HH:MM AM/PM
	Time Zone	USA Eastern
✓	Local Control	<input type="checkbox"/>
	Piezo	<input checked="" type="checkbox"/>
	LCM Local Mode	<input type="checkbox"/>
	Proprietary Supervising Station	<input type="checkbox"/>
	Event Ordering	USA
	Display And Control Center	<input type="checkbox"/>
	Rapid All Call	<input type="checkbox"/>
[-]	Timers	
	Auto Silence	Off
	Silence Inhibit(mm:ss)	00:00
	Alarm Verification(secs)	30
	Max Alarm Verification Count	0
[-]	NCM Thresholds	
	NCM Thresholds	PortA:High, PortB:High
[-]	Network Style	
	Network Style	Style 4

Local Control
Default value: **Selected**



A small green indication will display in the left most cell of a Name/Value row when that value has been altered from its default. An area below will show the setting label and the default value.



A Tool Strip command will toggle between hiding this feature or not.

VeriFire Tools – Project Import

- More advanced Project Import Wizard and Utility
 - Improved project importing wizard format both at startup and as a separate utility to better understand what is being imported and if a failure occurs, the reason behind it.

Batch Import Wizard - Step:1

Copy Projects

Projects
Do you wish to Import projects from the previous version of VeriFire Tools?

This operation imports all legacy projects into this version of VeriFire Tools from the previous released version, if any projects exist. If no projects exist, earlier releases will be queried. By doing so they will become part of the Master directory list for available projects when you view the "Open Project" screen again. The import of a project will include all its revisions. Any legacy projects that conflict in name to existing projects will be skipped.

Include audio files if any configured with audio panels for importing

Import to Project Level Import to Global Level

Audio Files Import Location:

Copy NFPA Templates

NFPA Templates
Do you wish to Import NFPA Report Templates from the previous version of VeriFire Tools?

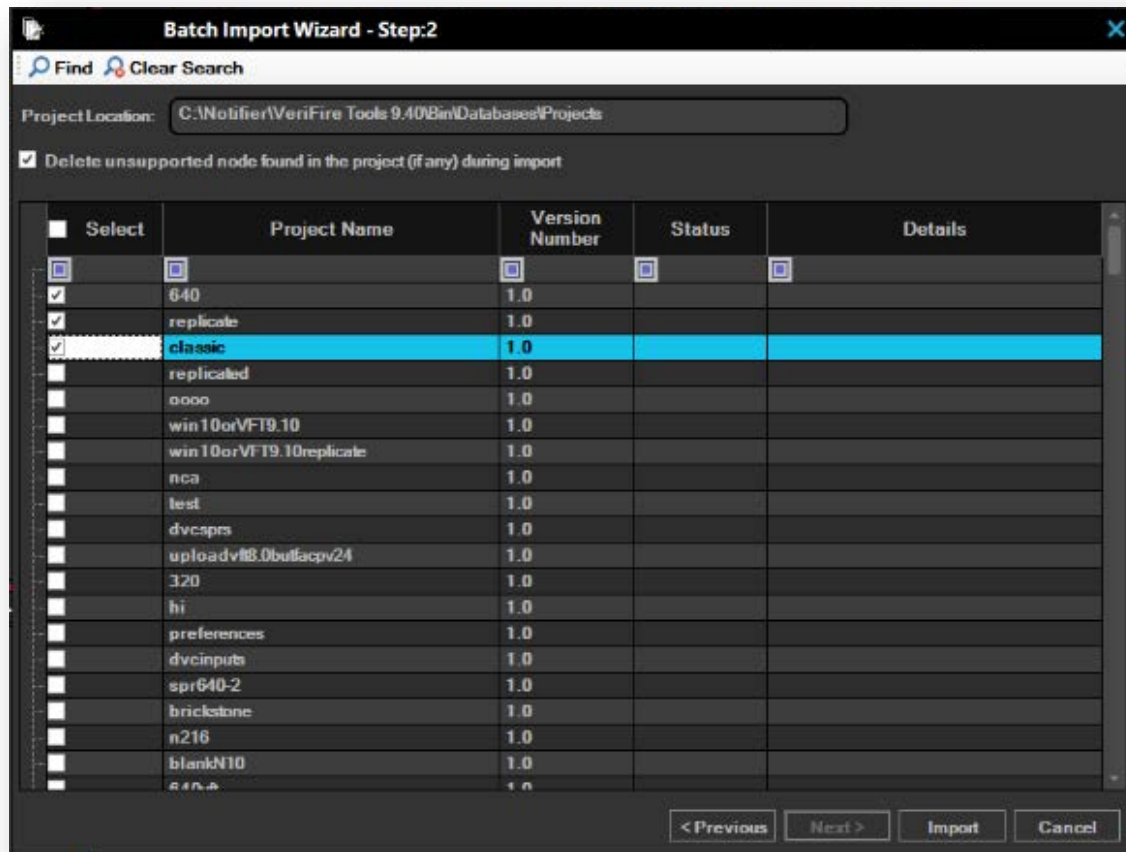
This operation imports all legacy NFPA Report Templates into this version of VeriFire Tools from the previous released version, if any released version exist. By doing so they will become part of the list for available NFPA Report Templates. Any legacy NFPA Report Templates that conflict in name to existing NFPA Report Templates will be renamed.

Note: You can disable this reminder from appearing again with a setting in the User Preferences screen.

← First part of the wizard is essentially the same screen you saw in previous versions.

VeriFire Tools - Project Import

- More advanced Project Import Wizard and Utility
 - Improved project importing wizard format both at startup and as a separate utility to better understand what is being imported and if a failure occurs, the reason behind it.

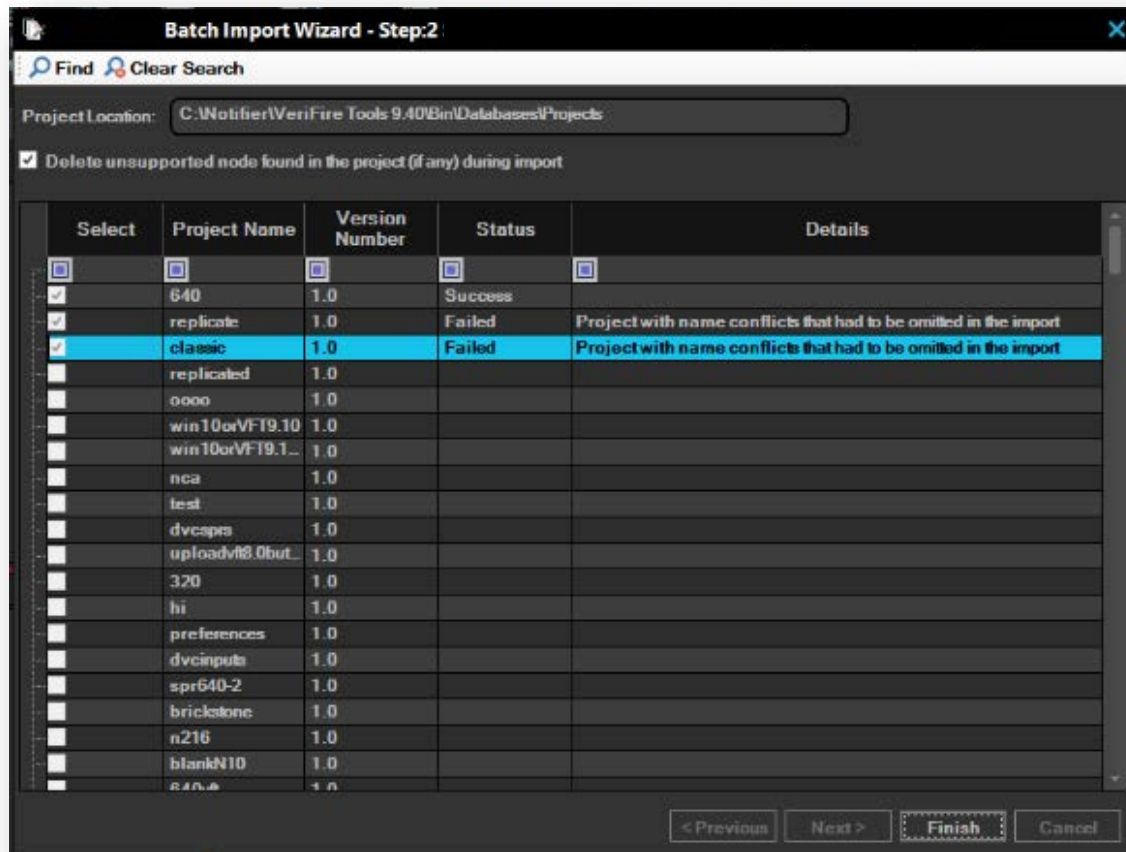


Next step allows you to select and deselect individual projects to import.

Also you have an option to delete unsupported nodes found in certain projects that are not compatible with this version of VeriFire Tools.

VeriFire Tools - Project Import

- More advanced Project Import Wizard and Utility
 - Improved project importing wizard format both at startup and as a separate utility to better understand what is being imported and if a failure occurs, the reason behind it.



← In the last step the user will get an indication of which projects imported successfully and which failed and for what reason.

VeriFire Tools - Network Topology Map

- For HS-NCM networks:
 - Additional Network Diagnostics service to automatically construct a visual representation of the NOTI•FIRE•NET™ network.
- Node mapping utility
 - Designed using Windows Presentation Foundation (or WPF)
 - Network Node Map controls available in the Infragistics tool chest.
- Service presents a labor-saving rendering that gives both node population with each card and the card's nearest neighbors
- Handles both PCA and PCB as well as VDSL(Wire), Fiber, and Mixed board configurations.
- Has both visual map and interactive grid for more network card statistics.
- Tool strip contains numerous navigation aids including search capability as well as filter/sorting features in the grid below.
- This service has the potential to be the framework for other network diagnostic tools like “Network Test”.



VeriFire Tools - Network Topology Map

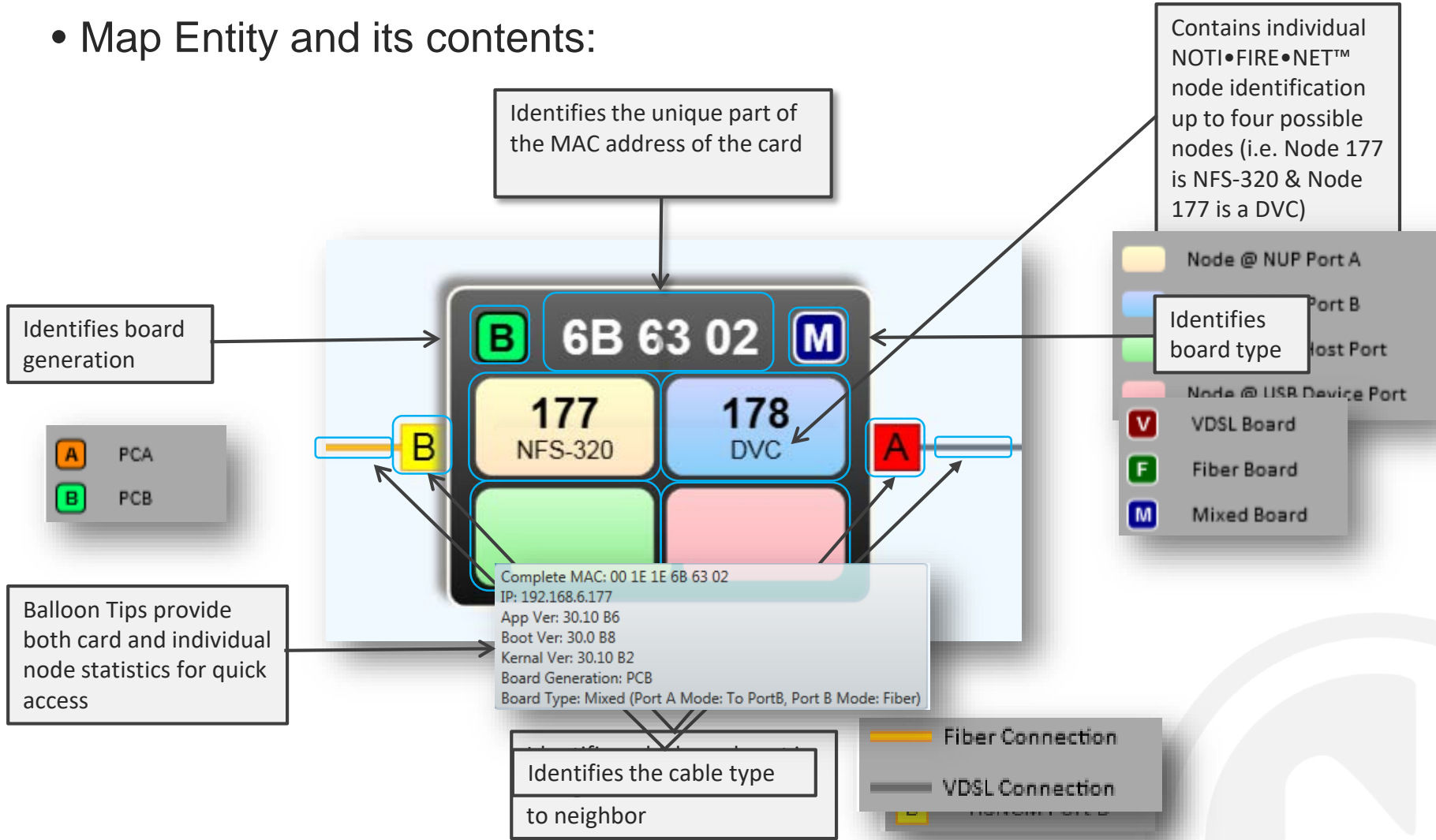
- Example Rendering of 90 node High-speed network:

The screenshot displays the VeriFire Tools interface. The 'Network Diagnostics' ribbon is active, with 'Network Topology Map' selected. The main area shows a grid of 90 nodes, each represented by a small icon with a status indicator. Below the grid is a table with columns for MAC Address, IP Address, MAC Neighbor Port A, MAC Neighbor Port B, NUP A Node Address, NUP A Node Type, NUP B Node Address, NUP B Node Type, USB A (Host) Node Address, USB A (Host) Node Type, USB B (Device) Node Address, Node Type, Generation, VDSL Speed Port A, and VDSL Speed Port B. The table contains data for nodes 231 through 237, including their respective MAC and IP addresses and node types like NCA, DVC, and NFN GATEWAY.

MAC Address	IP Address	MAC Neighbor Port A	MAC Neighbor Port B	NUP A Node Address	NUP A Node Type	NUP B Node Address	NUP B Node Type	USB A (Host) Node Address	USB A (Host) Node Type	USB B (Device) Node Address	Node Type	Generation	VDSL Speed Port A	VDSL Speed Port B
00 1E 1E 0A 00 F2	192.168.6.227	00 00 00 00 00 00	00 1E 1E 0C 00 A3	231	NCA	227	DVC				Success	PCA	12	
00 1E 1E 0C 00 A3	192.168.6.226	00 1E 1E 0A 00 F2	00 1E 1E 6B 21 24	226	DVC						Success	PCA	12	
00 1E 1E 6B 21 24	192.168.6.225	00 1E 1E 0C 00 A3	00 1E 1E 0C 00 91	225	DVC	232	NCA-2				Success	PCB	12	
00 1E 1E 0C 00 91	192.168.6.224	00 1E 1E 6B 21 24	00 1E 1E 0C 0A 31	224	DVC						Success	PCA	12	
00 1E 1E 0C 0A 31	192.168.6.221	00 1E 1E 0C 00 91	00 1E 1E 6B 50 03	221	DVC					237	LOCAL VERIFIRE	Success	PCA	12
00 1E 1E 6B 50 03	192.168.6.240	00 1E 1E 0C 0A 31	00 1E 1E 0C 00 9A							240	NFN GATEWAY	Success	PCB	12
00 1E 1E 0C 00 9A	192.168.6.216	00 1E 1E 6B 50 03	00 1E 1E 6B 20 51	216	DVC						Success	PCA	12	
00 1E 1E 6B 20 51	192.168.6.215	00 1E 1E 0C 00 9A	00 1E 1E 0C 00 D9	215	NFS2-3030						Success	PCB	12	

VeriFire Tools - Network Topology Map

- Map Entity and its contents:



VeriFire Tools - Network Upload/Download

- Dual mode operation:
 - Upload a network to a edit session project
 - Download an edit session project to a network
- Saves attendance time – Kickoff session and walk away
- Driven from context menu commands in either session tree
- Functions for both low and high speed networks
- Either operations can be at the full, partial, or single node list level
- Upload can be into new, existing, or current edit session project
- Robustness build in that provide recovery mechanisms and allow continuity of operation to complete the entire job successfully

VeriFire Tools - Network Upload/Download

- Batch Upload Operation - Setup:

The screenshot shows the 'Online Session' window with a 'Node List (Local Network)' on the left. A context menu is open over the node list, showing options: 'Refresh Node List', 'Upload All Fire Panels', 'Upload All Audio Panels', 'Current Project', 'New Project', and 'Existing Project'. A callout box labeled 'Panel selection' points to the 'Upload All Fire Panels' option. Another callout box labeled '1) Project selection' points to the 'Current Project', 'New Project', and 'Existing Project' options.

VeriFire Tools - Network Upload/Download

- Batch Upload Operation - New Project:

The screenshot displays the VeriFire Tools interface. The main window is titled 'Upload / Download' and has a 'Set Up' tab. A 'Create Project' dialog box is open, showing the following fields:

- Name: NetworkLevelUploadLS
- Version: 1 : 0 :
- Location: C:\Notifier\VeriFire Tools 9.40\Bin\Databases\Projects
- Password: (empty)
- Site Information: (empty)

The 'Online Session' window at the bottom left shows a 'Node List (Local Network)' with the following nodes highlighted in blue:

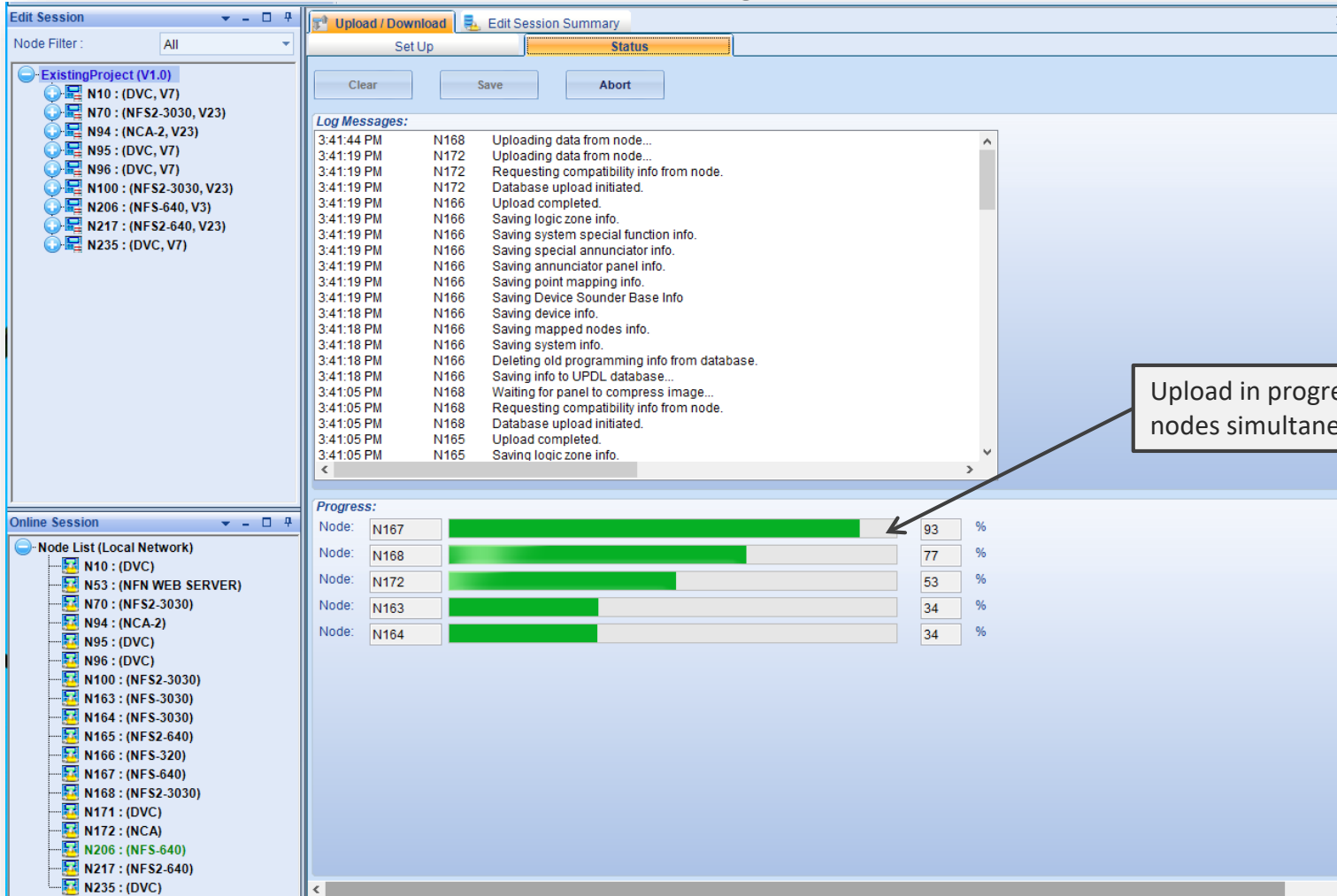
- N70 : (NFS2-3030)
- N94 : (NCA-2)
- N100 : (NFS2-3030)
- N163 : (NFS-3030)
- N164 : (NFS-3030)
- N165 : (NFS2-640)
- N166 : (NFS-320)
- N167 : (NFS-640)
- N168 : (NFS2-3030)
- N206 : (NFS-640)
- N217 : (NFS2-640)

Two callout boxes provide additional information:

- A box pointing to the 'New Project' radio button in the 'Create Project' dialog says: "If 'New Project' is selected 'Create Project' dialog will appear."
- A box pointing to the highlighted nodes in the 'Online Session' window says: "Highlighted selected Nodes in the Online Session and Upload/Download form automatically prefills node list."

VeriFire Tools - Network Upload/Download

• Batch Upload Operation – In Progress:



The screenshot displays the VeriFire Tools interface during a batch upload operation. The left pane shows a tree view of nodes under 'ExistingProject (V1.0)' and 'Online Session'. The main window is titled 'Upload / Download' and 'Edit Session Summary', with a 'Status' tab selected. The 'Log Messages' window shows a list of operations for nodes N168, N172, N166, and N165. The 'Progress' section at the bottom shows a progress bar for five nodes: N167 (93%), N168 (77%), N172 (53%), N163 (34%), and N164 (34%).

Log Messages:

Time	Node	Message
3:41:44 PM	N168	Uploading data from node...
3:41:19 PM	N172	Uploading data from node...
3:41:19 PM	N172	Requesting compatibility info from node.
3:41:19 PM	N172	Database upload initiated.
3:41:19 PM	N166	Upload completed.
3:41:19 PM	N166	Saving logic zone info.
3:41:19 PM	N166	Saving system special function info.
3:41:19 PM	N166	Saving special annunciator info.
3:41:19 PM	N166	Saving annunciator panel info.
3:41:19 PM	N166	Saving point mapping info.
3:41:19 PM	N166	Saving Device Sounder Base Info
3:41:18 PM	N166	Saving device info.
3:41:18 PM	N166	Saving mapped nodes info.
3:41:18 PM	N166	Saving system info.
3:41:18 PM	N166	Deleting old programming info from database.
3:41:18 PM	N166	Saving info to UPDL database...
3:41:05 PM	N168	Waiting for panel to compress image...
3:41:05 PM	N168	Requesting compatibility info from node.
3:41:05 PM	N168	Database upload initiated.
3:41:05 PM	N165	Upload completed.
3:41:05 PM	N165	Saving logic zone info.

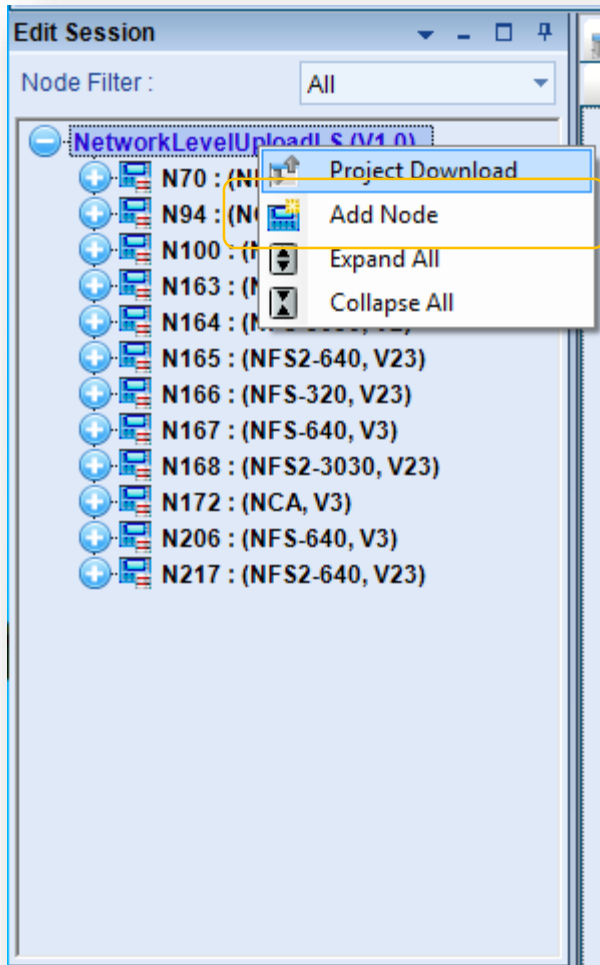
Progress:

Node	Progress (%)
Node: N167	93 %
Node: N168	77 %
Node: N172	53 %
Node: N163	34 %
Node: N164	34 %

Upload in progress... Does 5 nodes simultaneously.

VeriFire Tools - Network Upload/Download

- Batch Download Operation – Kickoff :



Start the batch download process from the context menu in the current edit session.

VeriFire Tools - Network Upload/Download

• Batch Download Operation - Setup:

Node Selection Options:

- Select only nodes with pending edit session changes
- Select nodes with Tools Timestamp less than or equal to Panel Timestamp
- All Nodes

Program Validation Options:

- Keep operation progressing, skipping all nodes that have critical errors.

Set Common Password:

Short Password: Long Password: Show Password Characters

Select	Address	Type	Online Status	Password	Database			Pending Data	Timestamp			Authentication Result
					Tools	Equality	Panel		Tools	Equality	Panel	
<input type="checkbox"/>	70	NFS2-3030	<input checked="" type="checkbox"/>		23.1	=	23.1	<input type="checkbox"/>	10/17/2016 5:06:43 PM	=	10/17/2016 5:06:43 PM	
<input type="checkbox"/>	94	NCA-2	<input checked="" type="checkbox"/>		24.1	=	24.1	<input type="checkbox"/>	10/24/2016 2:45:28 PM	=	10/24/2016 2:45:28 PM	
<input type="checkbox"/>	100	NFS2-3030	<input checked="" type="checkbox"/>		23.1	=	23.1	<input type="checkbox"/>	10/24/2016 2:49:33 PM	=	10/24/2016 2:49:33 PM	
<input type="checkbox"/>	163	NFS-3030	<input checked="" type="checkbox"/>		2.13	=	2.13	<input type="checkbox"/>	10/17/2006 3:52:21 PM	=	10/17/2006 3:52:21 PM	
<input type="checkbox"/>	164	NFS-3030	<input checked="" type="checkbox"/>		2.13	=	2.13	<input type="checkbox"/>	10/17/2006 12:45:25 PM	=	10/17/2006 12:45:25 PM	
<input type="checkbox"/>	165	NFS2-640	<input checked="" type="checkbox"/>		23.0	=	23.0	<input type="checkbox"/>	10/17/2016 12:46:00 PM	=	10/17/2016 12:46:00 PM	
<input type="checkbox"/>	166	NFS-320	<input checked="" type="checkbox"/>		23.0	=	23.0	<input type="checkbox"/>	10/17/2016 12:48:00 PM	=	10/17/2016 12:48:00 PM	
<input type="checkbox"/>	167	NFS-640	<input checked="" type="checkbox"/>		3.0	=	3.0	<input type="checkbox"/>	10/17/2016 12:49:00 PM	=	10/17/2016 12:49:00 PM	
<input type="checkbox"/>	168	NFS2-3030	<input checked="" type="checkbox"/>		23.1	=	23.1	<input type="checkbox"/>	10/17/2016 3:36:57 PM	=	10/17/2016 3:36:57 PM	
<input type="checkbox"/>	172	NCA	<input checked="" type="checkbox"/>		3.4	=	3.4	<input type="checkbox"/>	10/17/2016 1:13:07 PM	=	10/17/2016 1:13:07 PM	
<input type="checkbox"/>	206	NFS-640	<input checked="" type="checkbox"/>		3.0	=	3.0	<input type="checkbox"/>	10/17/2016 12:53:00 PM	=	10/17/2016 12:53:00 PM	
<input type="checkbox"/>	217	NFS2-640	<input checked="" type="checkbox"/>		23.0	=	23.0	<input type="checkbox"/>	10/17/2016 12:54:00 PM	=	10/17/2016 12:54:00 PM	

Some panels databases have been changed since the last upload

Provides the following options:

- 1) You can select all or subset of nodes depending on timestamp and edit session changes.
- 2) Skip over those that fail Program Validation.
- 3) Allow common passwords to save on data entry.

VeriFire Tools - Network Upload/Download

- Batch Download Operation - Authenticate:

The screenshot shows the 'Project Download' window in VeriFire Tools. On the left, there are two tree views: 'NetworkLevelUploadLS (V1.0)' and 'Online Session'. The 'Project Download' window has several sections: 'Node Selection Options' with radio buttons for 'Select only nodes with pending edit session changes', 'Select Nodes with Tools Timestamp greater than or equal to Panel Timestamp', and 'All Nodes' (selected); 'Program Validation Options' with a checked box for 'Keep operation progressing, skipping all nodes that have critical errors'; and 'Set Common Password' with fields for 'Short Password' and 'Long Password'. Below these is a table with columns for 'Select', 'Address', 'Type', 'Online Status', 'Password', 'Tools', 'Equality', 'Panel', 'Pending Data', 'Timestamp', and 'Authentication Result'. The table contains 15 rows of node data. At the bottom, there are buttons for 'Authenticate', 'Download', 'Abort Current', 'Abort All', 'Refresh Form', and 'Save Log'. The 'Authenticate' button is highlighted with a yellow box, and an arrow points from it to a callout box.

Once the setup is complete click "Authenticate" to login to all selected nodes.

VeriFire Tools - Network Upload/Download

- Batch Download Operation – Start Download:

Edit Session Summary | Upload / Download

Project Download

Node Selection Options:

Select only nodes with pending edit session changes Deselect All Nodes

Select Nodes with Tools Timestamp greater than or equal to Panel Timestamp

All Nodes

Program Validation Options:

Keep operation progressing, skipping all nodes that have critical errors.

Set Common Password:

Short Password: ***** Long Password: ***** Show Password Characters

Select	Address	Type	Online Status	Password	Database			Pending Data	Timestamp			Authentication Result
					Tools	Equality	Panel		Tools	Equality	Panel	
<input checked="" type="checkbox"/>	70	NFS2-3030	<input checked="" type="checkbox"/>	*****	23.1	=	23.1	<input type="checkbox"/>	10/17/2016 5:06:43 PM	=	10/17/2016 5:06:43 PM	Login Success
<input checked="" type="checkbox"/>	94	NCA-2	<input checked="" type="checkbox"/>	*****	24.1	=	24.1	<input type="checkbox"/>	10/24/2016 2:45:28 PM	=	10/24/2016 2:45:28 PM	Login Success
<input checked="" type="checkbox"/>	100	NFS2-3030	<input checked="" type="checkbox"/>	*****	23.1	=	23.1	<input type="checkbox"/>	10/24/2016 2:49:33 PM	=	10/24/2016 2:49:33 PM	Login Success
<input checked="" type="checkbox"/>	163	NFS-3030	<input checked="" type="checkbox"/>	*****	2.13	=	2.13	<input type="checkbox"/>	10/17/2006 3:52:21 PM	=	10/17/2006 3:52:21 PM	Login Success
<input checked="" type="checkbox"/>	164	NFS-3030	<input checked="" type="checkbox"/>	*****	2.13	=	2.13	<input type="checkbox"/>	10/17/2006 12:45:25 PM	=	10/17/2006 12:45:25 PM	Login Success
<input checked="" type="checkbox"/>	165	NFS2-640	<input checked="" type="checkbox"/>	*****	23.0	=	23.0	<input type="checkbox"/>	10/17/2016 12:46:00 PM	=	10/17/2016 12:46:00 PM	Login Success
<input checked="" type="checkbox"/>	166	NFS-320	<input checked="" type="checkbox"/>	*****	23.0	=	23.0	<input type="checkbox"/>	10/17/2016 12:48:00 PM	=	10/17/2016 12:48:00 PM	Login Success
<input checked="" type="checkbox"/>	167	NFS-640	<input checked="" type="checkbox"/>	*****	3.0	=	3.0	<input type="checkbox"/>	10/17/2016 12:49:00 PM	=	10/17/2016 12:49:00 PM	Login Success
<input checked="" type="checkbox"/>	168	NFS2-3030	<input checked="" type="checkbox"/>	*****	23.1	=	23.1	<input type="checkbox"/>	10/17/2016 3:36:57 PM	=	10/17/2016 3:36:57 PM	Login Success
<input checked="" type="checkbox"/>	172	NCA	<input checked="" type="checkbox"/>	*****	3.4	=	3.4	<input type="checkbox"/>	10/17/2016 1:13:07 PM	=	10/17/2016 1:13:07 PM	Login Success
<input checked="" type="checkbox"/>	206	NFS-640	<input checked="" type="checkbox"/>	*****	3.0	=	3.0	<input type="checkbox"/>	10/17/2016 12:53:00 PM	=	10/17/2016 12:53:00 PM	Login Success
<input checked="" type="checkbox"/>	217	NFS2-640	<input checked="" type="checkbox"/>	*****	23.0	=	23.0	<input type="checkbox"/>	10/17/2016 12:54:00 PM	=	10/17/2016 12:54:00 PM	Login Success

Authenticating | **Download** | Abort Current | Abort All | Refresh Form | Save Log

Some panels databases have been changed since the last upload

Password authentication has completed. Results have been updated in the Authentication Result column.

Once authentication passes user can proceed with batch download.

VeriFire Tools - Network Upload/Download

• Batch Download Operation – In Progress:

Project Download

Node Selection Options:

- Select only nodes with pending edit session changes
- Deselect All Nodes
- Select Nodes with Tools Timestamp greater than or equal to Panel Timestamp
- All Nodes

Program Validation Options:

- Keep operation progressing, skipping all nodes that have critical errors.

Set Common Password:

Short Password: ***** Long Password: ***** Show Password Characters

Select	Address	Type	Online Status	Pending Data	Download Progress	Download Result
<input checked="" type="checkbox"/>	70	NFS2-3030	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 %	Download Successful.
<input checked="" type="checkbox"/>	94	NCA-2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 %	Download Successful.
<input checked="" type="checkbox"/>	100	NFS2-3030	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 %	Download Successful.
<input checked="" type="checkbox"/>	163	NFS-3030	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6 %	Download in Progress
<input checked="" type="checkbox"/>	164	NFS-3030	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<input checked="" type="checkbox"/>	165	NFS2-640	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<input checked="" type="checkbox"/>	166	NFS-320	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<input checked="" type="checkbox"/>	167	NFS-640	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<input checked="" type="checkbox"/>	168	NFS2-3030	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<input checked="" type="checkbox"/>	172	NCA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<input checked="" type="checkbox"/>	206	NFS-640	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<input checked="" type="checkbox"/>	217	NFS2-640	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

Task Progress

Program Validation is in progress, please wait...

Authenticate Download Abort Current Abort All Refresh Form Save L...

Some panels databases have been changed since the last upload

- As download is in progress it keeps a visually indication of the states of all nodes.
- Alternating between node's Program Validation and the actual download.

At any time you can either abort a single node and proceed to the next or end the entire session.

VeriFire Tools - Network Upload/Download

- Batch Download Operation – Completed:

Download completed

Select	Address	Type	Online Status	Password	Pending Data	Download
<input type="checkbox"/>	70	NFS2-3030	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	94	NCA-2	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	100	NFS2-3030	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	163	NFS-3030	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	164	NFS-3030	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	165	NFS2-640	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	166	NFS-320	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	167	NFS-640	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	168	NFS2-3030	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	172	NCA	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	206	NFS-640	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	217	NFS2-640	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Log can be view by clicking on slider control on the right frame boundary.

VeriFire Tools – Panel History Upload

- Ability to upload the event history from the panel to VeriFire Tools locally, or over the network, and display visually in a versatile grid.
- The Upload / Download service will provide an additional selection for panel history in the upload side of the service.

The screenshot displays the 'Upload / Download' service configuration window. The 'Set Up' tab is active, showing the 'Operation Setup' section. Three radio buttons are present: 'Upload from Node' (selected), 'Download to Node', and 'Distributed Download'. Below these, the 'Operation:' dropdown menu is highlighted with a yellow box and contains the text 'Events History Upload'. The 'Project:' field at the bottom contains the file path: 'C:\VFToolsGUI_DOTNET\AppOutputPath\Databases\History\HistoryBackup.acodb'.

VeriFire Tools – Panel History Upload

- History view with the ability for sorting and filtering of the data.

The screenshot displays the VeriFire Tools software interface, specifically the Event History Viewer. The window title is "VeriFire Tools". The menu bar includes File, Startup Services, Online Services, Reports, View, Window, Utilities, Network Diagnostics, and License. The toolbar contains Log File Viewer, Preferences, Event History Viewer, and Event History Viewer. The main interface is divided into several sections:

- Node Filter:** A dropdown menu set to "All".
- Event History Viewer:** A table showing a list of events. The table has columns for Event, Status, Status Class, Message, Node/Point Address, Software Type Code, Panel Label, Custom Point Label, Extended Label, and Zone. The table is sorted by Event ID in descending order.
- Node List (Local Network):** A tree view showing a list of nodes including N1 through N237, with their respective configurations (e.g., NCA-2, NFS2-3030, NFS2-640, DVC).
- Events Summary:** A bar at the bottom showing counts for various event types: Fire Alarm(21), MN Alarm(12), CO Alarm(5), Supervisory(36), Trouble(264), Security(11), Disabled(4), Advise(0), Other(8), Normal(201), PreAlarm(8), and Background(67).

Event	Status	Status Class	Message	Node/Point Address	Software Type Code	Panel Label	Custom Point Label	Extended Label	Zone
637	Normal	Normal	SYSTEM NORMAL						
636	CLEARED TROUBLE	Trouble	Style 6 Neg. Loop1	N10T85		NFS2-3030 Node 10			
635	CLEARED TROUBLE	Trouble	Style 6 Short Loop 1	N10T233		NFS2-3030 Node 10			
634	TROUBLE	Trouble	Style 6 Short Loop 1	N10T233		NFS2-3030 Node 10			
633	TROUBLE	Trouble	Style 6 Neg. Loop1	N10T85		NFS2-3030 Node 10			
632	Normal	Normal	SYSTEM RESET INITIATED BY NODE 14						
631	Normal	Normal	SYSTEM RESET INITIATED BY NODE 14						
630	Normal	Normal	SYSTEM NORMAL						
629	CLEARED FIRE ALARM	Alarm	MAGNET	N10L1D1	Smoke(lon)		Detector L01D001		Zone 1
628	Normal	Normal	SYSTEM RESET INITIATED BY NODE 14						
627	Normal	Normal	SILENCE INITIATED BY NODE 14						
626	ACKNOWLEDGED FIRE ALARM	Alarm	MAGNET	N10L1D1	Smoke(lon)		Detector L01D001		Zone 1
625	FIRE ALARM	Alarm	MAGNET	N10L1D1	Smoke(lon)		Detector L01D001		Zone 1
624	Normal	Normal	SYSTEM NORMAL						
623	CLEARED NON FIRE TROUBLE	Trouble		N10L1M14	Control		Module L01M014		Zone 1
622	CLEARED NON FIRE TROUBLE	Trouble		N10L1M11	Control		Module L01M011		Zone 1
621	CLEARED NON FIRE TROUBLE	Trouble		N10L1M10	Control		Module L01M010		Zone 1
620	Normal	Normal	SYSTEM RESET INITIATED BY NODE 14						
619	CLEARED NON FIRE TROUBLE	Trouble		N10L1M9	Control		Module L01M009		Zone 1
618	CLEARED NON FIRE TROUBLE	Trouble		N10L1M8	Control		Module L01M008		Zone 1

Additional VFT Enhancements

- Export from Excel
 - Copy CBEs from Excel
 - Copy Logic/Trouble Equations and Comments from Excel
- Improvement in “My Clipboard” Manager
- OW Now requires VFT licensing



Johnson Controls Migration



Johnson Controls Migration

ONYX panels version 25 or higher supports communication to Johnson Control devices



Compatible Addressable Devices and Accessories

This document provides an updated listing of devices compatible with NOTIFIER fire panels. The table below lists addressable devices and accessories that are compatible with the NFS2-3030, NFS2-640, and the NFS-320 addressable fire panels.

Note: Johnson Controls IFC detectors are identical to, and function exactly as, the corresponding NOTIFIER model numbers as listed in the tables below.

These products have been certified to comply with the requirements in the Standard for Control Units and Accessories for Fire Alarm Systems, UL 864 and ULC S527-11.



- Johnson Controls devices have been UL/ULC compatibly listed
 - Listing document number LS10200-00NF-E



COST EFFECTIVE MIGRATION

- VeriFire Tools 9.10 or higher supports Johnson Controls CPU database upload
 - Automatic convert database to NOTIFIER database
- **NO REPLACEMENT REQUIRED:** Common parts that do not need to be replaced
 - Loop Cards, Network Cards, Annunciators, Amplifiers, Backboxes, Chassis, Dress Plates
- **SYSTEM REPLACEMENTS:** Johnson Controls branded hardware will need to be replaced
 - Doors, DVC's, Gateways, Workstation
(if not upgradable)



FireWarden X Series



NOTIFIER FireWarden X Series

FireWarden-50X and FireWarden-100X

Meet the needs of the smaller
addressable systems in the
marketplace



- Replaces the
- NFW-50 and NFW2-100
- Pre-installed communicator
- Single loop
- Advanced, addressable intelligence in a right-sized panel

New FireWarden Family Overview



- **Universal AC power (120/240 VAC)**
 - Eliminates the “E” export versions
- **USB port supports memory stick updates**
- **EOL resistor matching for NACs circuits**
- **Four programmable function buttons**
- **Built-In Dual Technology Communicator**
 - POTS & IP – using AlarmNet
 - Cellular – using AlarmNet (add-on)

New FireWarden: Device Compatibility



Ability to communicate to either FireWarden or ONYX devices

- ONYX equivalent to FireWarden
 - Example NP-100 or FSP-851
- Does not support specialty devices
 - FFAST, IntelliQuad, 4-20ma module, etc.
- **Supports SWIFT**
- **Future device support**
 - Will support the dual element Photo/CO and CO only devices

FireWarden X Series

PURSUE NEW OPPORTUNITIES

- **Legacy and Expanding Applications**
 - Compatible with the ONYX series line of addressable detectors
 - Eliminating the need to locate and identify the End-Of-Line (EOL) resistor
- **Small Applications Requiring Wireless**
 - Now supports NOTIFIER's SWIFT wireless devices

SIMPLIFIED INSTALLATION AND MAINTENANCE

- Four customizable buttons on the panel displays can be programmed to streamline maintenance activities such as input disable or NAC disable



New Addressable Sensor Line



New Addressable Detectors

			LOOP PROTOCOL		PANEL COMPATIBILITY					LOOP PROTOCOL		PANEL COMPATIBILITY		
PRODUCT	CURRENT PART NO	COLOR	FLASHSCAN	CLIP	ONYX SERIES	NFW-50 NFW2-100	NFW-50X NFW-100X	NEW PART NO	COLOR	FLASHSCAN	CLIP	ONYX SERIES	NFW-50 NFW2-100	NFW-50X NFW-100X
DETECTORS														
ONYX SERIES														
Photo	FSP-851	Ivory	✓	✓	✓		✓	FSP-951	White	✓		✓		✓
								FSP-951-IV	Ivory	✓	✓	✓		✓
Photo - Remote Test	FSP-851R	Ivory	✓	✓	✓		✓	FSP-951R	White	✓		✓		✓
								FSP-951R-IV	Ivory	✓	✓	✓		✓
Photo – Thermal	FSP-851T	Ivory	✓	✓	✓		✓	FSP-951T	White	✓		✓		✓
								FSP-951T-IV	Ivory	✓	✓	✓		✓
Fixed – Heat	FST-851	Ivory	✓	✓	✓		✓	FST-951	White	✓		✓		✓
								FST-951-IV	Ivory	✓	✓	✓		✓
Heat – High	FST-851H	Ivory	✓	✓	✓		✓	FST-951H	White	✓		✓		✓
								FST-951H-IV	Ivory	✓	✓	✓		✓
Heat – ROR	FST-851R	Ivory	✓	✓	✓		✓	FST-951R	White	✓		✓		✓
								FST-951R-IV	Ivory	✓	✓	✓		✓
Laser – High Sensitivity	FSL-751	Ivory	✓	✓	✓			FSV-951	White	✓		✓		
								FSV-951-IV	Ivory	✓	✓	✓		

New Addressable Detectors

			LOOP PROTOCOL		PANEL COMPATIBILITY					LOOP PROTOCOL		PANEL COMPATIBILITY		
PRODUCT	CURRENT PART NO	COLOR	FLASHSCAN	CLIP	ONYX SERIES	NFW-50 NFW2-100	NFW-50X NFW-100X	NEW PART NO	COLOR	FLASHSCAN	CLIP	ONYX SERIES	NFW-50 NFW2-100	NFW-50X NFW-100X
DETECTORS														
FIREWARDEN SERIES														
Fixed - Heat	NH-100	Ivory	✓	✓		✓	✓	NH-200	White	✓			✓	✓
								NH-200-IV	Ivory	✓	✓		✓	✓
Heat - High	NH-100H	Ivory	✓	✓		✓	✓	NH-200H	White	✓			✓	✓
								NH-200H-IV	Ivory	✓	✓		✓	✓
Heat - ROR	NH-100R	Ivory	✓	✓		✓	✓	NH-200R	White	✓			✓	✓
								NH-200R-IV	Ivory	✓	✓		✓	✓
Photo	NP-100	Ivory	✓	✓		✓	✓	NP-200	White	✓			✓	✓
								NP-200-IV	Ivory	✓	✓		✓	✓
Photo – Remote Test	NP-100R	Ivory	✓	✓		✓	✓	NP-200R	White	✓			✓	✓
								NP-200R-IV	Ivory	✓	✓		✓	✓
Photo-Thermal	NP-100T	Ivory	✓	✓		✓	✓	NP-200T	White	✓			✓	✓
								NP-200T-IV	Ivory	✓	✓		✓	✓



New Addressable Detectors

DEVICES

WHITE
FlashScan Protocol

IVORY
FlashScan and CLIP Protocol



ACCESSORIES



SWIFT Wireless



SWIFT works with NOTIFIER addressable FACP's

The SWIFT® system **seamlessly integrates, and synchronizes visually and audibly,** with existing wired installations. It provides a **unique level of reliability** enabled by its smart, true mesh, technology. **With redundant paths of communication** at all times, SWIFT ensures a **class A system** and reliability where it matters the most.



- NFS2-3030
- NFS2-640
- NFS-320
- NFW-50X
- NFW-100X

SWIFT Wireless

Currently available



FWD-200P	Photo Detector
FWD-200ACCLIMATE	Acclimate
FWH-200ROR135	Heat, ROR/135 fixed
FWH-200FIX135	Heat, 135 fixed
FW-RM; FW-MM	Relay and Monitor Modules
FWSG	Gateway

Detectors, relay and monitor modules, gateway

New Products



NBG-12WL	Wireless Pull Station
NBG-12WLSP	Wireless Pull Station (Spanish)
WAV-RL	SWIFT AV Base Wall (Red)
WAV-WL	SWIFT AV Base Wall (White)
WAV-CRL	SWIFT AV Base Ceiling (Red)
WAV-CWL	SWIFT AV Base Ceiling (White)
W-SYNC	Wireless Sync Module

Pull station, sync module, and addressable AV!

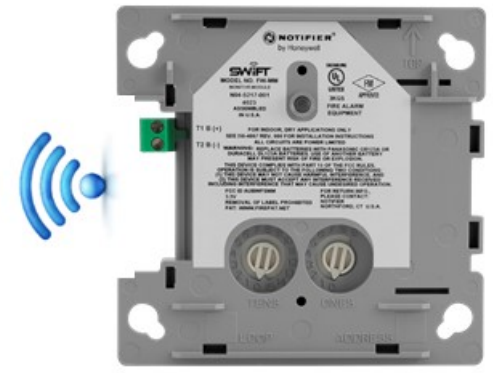
Detectors

- Basic operation identical to wired version
 - Panel makes alarm decision
- Four (4) CR123A batteries; included
 - At least 2 years of expected battery life
- 6" base ordered separately (B210W)
 - Magnet in base for “tamper” monitoring
- Occupies 1 detector address; 1 wireless point
- Flashscan Type: RFPHOTO, RFHEAT or RFACCLIMATE



Monitor and Relay Modules

- Four (4) CR123A batteries; included
 - At least 2 years of expected battery life
- Recommended to use plastic SMB500 4" box (surface mount)
- Magnet built into cover for “tamper” monitoring
- Occupies 1 module address; 1 wireless point
- Flashscan Type: RFMONITOR or RFRELAY



SWIFT Wireless – Pull Station

- **Look and feel same as wired**
 - Same key to reset as wired
- **4 batteries**
 - New battery cartridge
- **Multilingual**
 - NBG-12WL
 - NBG-12WLSP (FUEGO)
- **Integrated LED** to display status
- **Integrates with mesh same as other wireless devices**
- **Seamless integration with SWIFT compatible panels**
- Occupies 1 module address; 1 wireless point
 - Flashscan Type: RFMONITOR



SWIFT Wireless – Addressable A/V Base

58

- **4 Models**
 - White Wall, White Ceiling, Red Wall, Red Ceiling
- **Uses wall and ceiling L-Series notification devices**
 - Horn, Horn/Strobe, Chime, Chime/Strobe, Strobe
- **8 batteries**
 - New battery cartridge
 - 4 for the radio – 2 years of operation
 - 4 for the AV – measured in alarm time
 - Range from 3.3 hours (177CD ceiling horn-strobe) to 7 days (chime only) in ambient conditions
- **Integrates with mesh same as other wireless devices**
- **Seamless integration with SWIFT compatible panels**
- Occupies 2 module addresses; 1 wireless point
 - Flashscan Type: RFRLAY and CONTROL



SWIFT Wireless – Sync Module

- **Provides a wireless interface to wired NAC solutions**
 - The sync module outputs a “master” synchronization signal, optional control output, and monitor input
 - One sync module can drive up to 4 power supplies or 4 MDL3R/W with a sync pattern
- **Powered by 24V**
 - Can be used to activate multiple points/ zones
 - 4 backup batteries for the radio/wireless repeater function – 2 years of operation
- **Supports System Sensor AV SpectrAlert® and L-Series sync protocol**
- **Integrates with mesh same as other wireless devices**
- **Seamless integration with SWIFT compatible panels**
- Occupies 2 module address; 1 wireless point
 - Flashscan Type: RFRLAY and CONTROL

SWIFT Wireless – Overview

Part	FlashScan Type	Wireless point	# of SLC addresses*
Gateway	RFGATEWAY	1	1 module address
Detectors	RFPHOTO, RFHEAT or RFACCLIMATE	1	1 detector address
Relay, monitor modules	RFMONITOR or RFRELAY	1	1 module address each
Pull station	RFMONITOR	1	1 module address
Sync module	RFRELAY and CONTROL	1	2 module addresses
Addressable AV	RFRELAY and CONTROL	1	2 module addresses

Total wireless capacity: 4 gateways, 49 devices/gateway, 196 points total

SWIFT Wireless – SWIFT TOOLS 3.0

- Windows 10 support
- Automatic W-USB updates (no more searching for the file and manually updating)
- Improvements to the firmware update process
 - “Service pack” approach to downloads. No need to download one by one anymore!
 - Previously released firmware versions will be included with the SWIFT Tools (no more searching for the right file)
- Improvements to Communicator Window by adding divisions to column headings
- Cybersecurity enhancements

SWIFT: School Project Profile

APPLICATION

- Private catholic high school
- Permanent installation



Photo does not represent actual building / application

CUSTOMER NEED

- Short timeline due to school start
- To be completed during the summer
- Expand onto existing wired system

APPLICATION

- Successful site survey
- 3 gateways almost fully loaded
- 140 devices, pull stations/monitor mod at every door, cafeteria and sprinkler
- Delivery of parts in a matter of days!

SWIFT: Hospital Project Profile

APPLICATION

- 4 story hospital plus basement
- Building fully involved with asbestos
- Retrofit construction



Photo does not represent actual building / application

CUSTOMER NEED

- Current system failing
- Under Joint Commission Regulation
- Full replacement costs over \$4M
- Cannot get in the way of a full HVAC system in 5 years

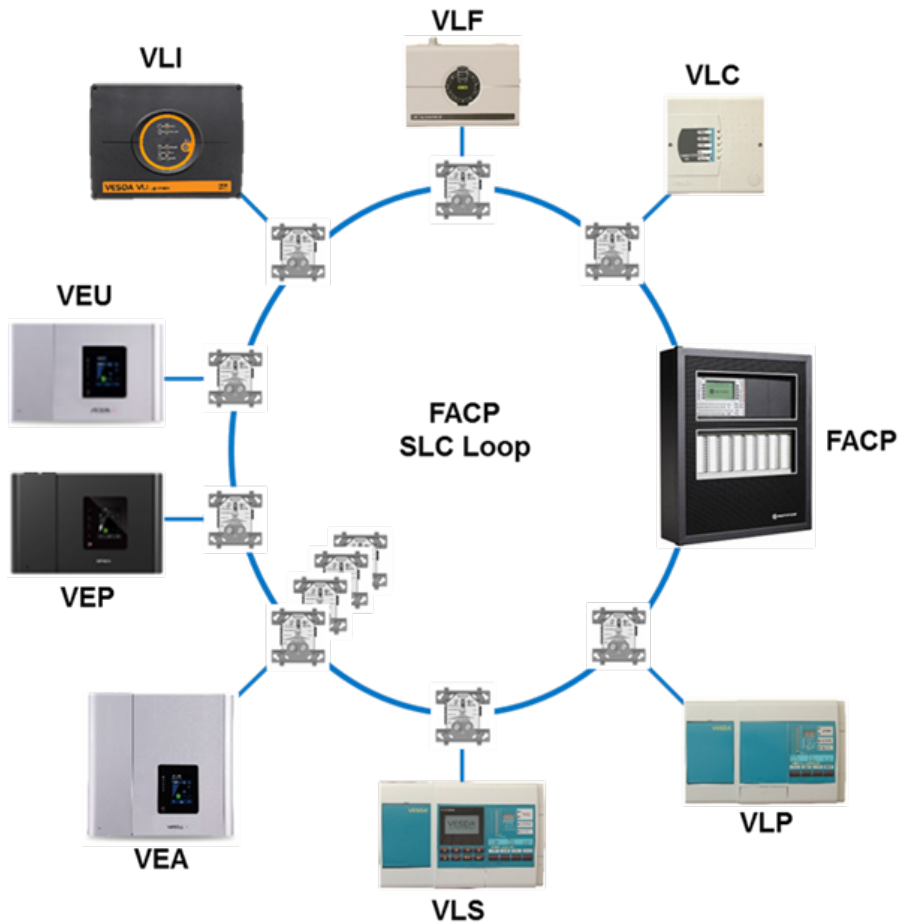
APPLICATION

- Fire marshal, dept. of public safety, end user, owner, and architect
- Site survey with hospital on full generator, with wireless ventilators, in hallways, in common areas
- 4 gateway system: detectors, relay modules, and pull station (with monitor module)

Advanced Detection: VESDA-E Integration



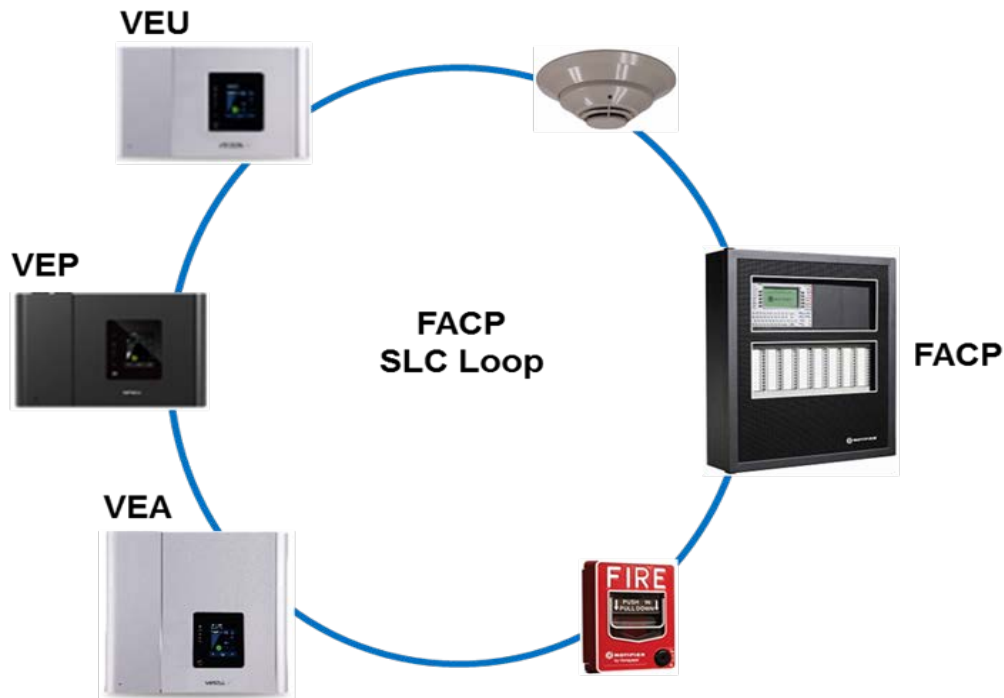
VESDA-E Integration



- Typically VESDA detectors are connected to the fire panel via monitor modules through internal dry contact relays
- Additional hardware adds cost especially for addressable detectors like VEA.
- Only basic alarm and fault contact information available to the fire panel.
- Need VESDAnet loop for centralised configuration, monitoring and control

VESDA-E Integration

Ideal for installations where seamless fire panel annunciation is required on the SLC loop similar to spot detectors



- VESDA-E VEP, VEU and VEA directly connect to the NOTIFIER SLC loop
- Alarms, faults, commands and control functions on the fire panel through SLC
- Compatible with ONYX panels v23 or higher
- Low cost option especially for addressable aspirating detector VEA
- Detector configuration locally

Intelligent VESDA-E VEP

- Same feature as the Conventional VESDA-E VEP
- Uses 5 detector addresses
 - Up to 31 Intelligent VESDA-E VEP per loop
 - Addressed using VSC software
 - Must be addressed in blocks of 5
 - Cannot start at address 0, i.e. 5-9, 10-14
 - Flashscan type: FFASTX
 - Must set base line through Panel display
- Cannot be connected to VESDAnet



Models

VEP-A00-1P-NTF	VESDA-E VEP with LED display and single pipe, covers up to 10,760 sq.ft (1,000 sq.m) area.
VEP-A00-P-NTF	VESDA-E VEP with LED display with four pipes, covers up to 21,520 sq.ft (2,000 sq.m) area.
VEP-A10-P-NTF	VESDA-E VEP with LED and LCD display with four pipes, covers up to 21,520 sq.ft (2,000 sq.m) area.

Intelligent VESDA-E VEP

- VeriFire Tool Configuration

Node: 10 (NFS2-3030) > Loop: 1

Clear Filter Find Clear Search Freeze Column Chooser Clone Device Default View Excel Export Remove Layout Modify Layout

Device ADDR	INSTL	Type Code Label	FlashScan Type	Custom Label	Extended Label	Alarm. Ver. Part.	Local Mode Part.	PreAlarm Mode	Silenceable SND Base	CBE 1	CBE 2	CBE 3
19	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>					
20	<input checked="" type="checkbox"/>	Aspiration	FAASTX	VEP		<input type="checkbox"/>	<input type="checkbox"/>	Action	No	Z1		
21	<input checked="" type="checkbox"/>	Aspiration	FAASTX	VEP		<input type="checkbox"/>	<input type="checkbox"/>	Action	No	Z1		
22	<input checked="" type="checkbox"/>	Aspiration	FAASTX	VEP		<input type="checkbox"/>	<input type="checkbox"/>	Action	No	Z1		
23	<input checked="" type="checkbox"/>	Aspiration	FAASTX	VEP		<input type="checkbox"/>	<input type="checkbox"/>	Action	No	Z1		
24	<input checked="" type="checkbox"/>	Aspiration	FAASTX	VEP		<input type="checkbox"/>	<input type="checkbox"/>	Action	No	Z1		
25	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>					
26	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>					
27	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>					
28	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>					
29	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>					



Intelligent VESDA-E VEU

- Same feature as the Conventional VESDA-E VEU
- Uses 5 detector addresses
 - Up to 31 Intelligent VESDA-E VEU per loop
 - Addressed using VSC software
 - Must be addressed in blocks of 5
 - Cannot start at address 0, i.e. 5-9, 10-14
 - Flashscan type: FFASTX
 - Must set base line through Panel display
- Cannot be connected to VESDAnet



Models

VEU-A00-NTF	VESDA-E VEU with LED display with four pipes, covers up to 69,965 sq.ft (6,500 sq.m) area
VEU-A10-NTF	VESDA-E VEU with LED and LCD display with four pipes, cover up to 69,965 sq.ft (6,500 sq.m) area

Intelligent VESDA-E VEU

- VeriFire Tool Configuration

Node: 0 (NFS2-3030) > Loop: 1

Clear Filter Find Clear Search Freeze Column Chooser Clone Device Default View Excel Export Remove Layout Modify Layout

Device ADDR	INSTL	Type Code Label	FlashScan Type	Custom Label	Extended Label	Alarm. Ver. Part.	Local Mode Part.	PreAlarm Mode	Silenceable SND Base	CBE 1	CBE 2
49	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
50	<input checked="" type="checkbox"/>	Aspiration	FAASTX	Detector L01D0...		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1	
51	<input checked="" type="checkbox"/>	Aspiration	FAASTX	Detector L01D0...		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1	
52	<input checked="" type="checkbox"/>	Aspiration	FAASTX	Detector L01D0...		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1	
53	<input checked="" type="checkbox"/>	Aspiration	FAASTX	Detector L01D0...		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1	
54	<input checked="" type="checkbox"/>	Aspiration	FAASTX	Detector L01D0...		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1	
55	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>				
56	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>				
57	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>				
58	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>				
59	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>				
60	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>				
61	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>				
62	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>				
63	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>				
64	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>				
65	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>				

Total Detectors on FlashScan Loop 1: 50

Save Cancel

Intelligent VESDA-E VEA

- Same feature as the Conventional VESDA-E VEA
- Uses 45 detector addresses
 - 5 Aspiration, 40 Photo
 - Up to 3 Intelligent VESDA-E VEA per loop
 - Addressed using VSC software
 - Must be addressed in blocks of 5
 - Cannot start at address 0
 - Flashscan type: FFASTX
 - Flashscan type: PHOTO
 - All addresses must be used
- Cannot be connected to VESDAnet



Models

VEA-040-A00-NTF

VESDA-E VEA with LED display and 40 point-addressable detection points, covers 36,000 sq. ft.(3,345 sq. m)

VEA-040-A10-NTF

VESDA-E VEA with LED and LCD display and 40 point-addressable detection points, covers 36,000 sq. ft.(3,345 sq. m)

Intelligent VESDA-E VEA

- VeriFire Tool Configuration

Node: 10 (NFS2-3030) > Loop: 1

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Device ADDR	INSTL	Type Code Label	FlashScan Type	Custom Label	Extended Label	Alarm Ver. Part.	Local Mode Part.	PreAlarm Mode	Silenceable SND Base	CBE 1	CBE 2	CBE 3
28	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>					
29	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>					
30	<input checked="" type="checkbox"/>	Aspiration	FAASTX	VEA		<input type="checkbox"/>	<input type="checkbox"/>	Action	No	Z1		
31	<input checked="" type="checkbox"/>	Aspiration	FAASTX	VEA		<input type="checkbox"/>	<input type="checkbox"/>	Action	No	Z1		
32	<input checked="" type="checkbox"/>	Aspiration	FAASTX	VEA		<input type="checkbox"/>	<input type="checkbox"/>	Action	No	Z1		
33	<input checked="" type="checkbox"/>	Aspiration	FAASTX	VEA		<input type="checkbox"/>	<input type="checkbox"/>	Action	No	Z1		
34	<input checked="" type="checkbox"/>	Aspiration	FAASTX	VEA		<input type="checkbox"/>	<input type="checkbox"/>	Action	No	Z1		
35	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	Office 039		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1		
36	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	Office 040		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1		
37	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	Office 041		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1		
38	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	Cell A2		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1		
39	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	Cell A3		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1		
40	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	Cell A4		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1		
41	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	Detector L01D0...		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1		
42	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	Detector L01D0...		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1		
43	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	Detector L01D0...		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1		
44	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	Detector L01D0...		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1		
45	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	Detector L01D0...		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1		
46	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	Detector L01D0...		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1		
47	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	Detector L01D0...		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1		
48	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	Detector L01D0...		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1		
49	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	Detector L01D0...		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1		
50	<input checked="" type="checkbox"/>	Smoke(Photo)	PHOTO	Detector L01D0...		<input type="checkbox"/>	<input type="checkbox"/>	Alert	No	Z1		

ASD: Applications

Clean Environments



VESDA-E VEU



Telecom



Switch Rooms



Clean Rooms



Control Rooms

Standard Environments



VESDA-E VEP



Warehouse



Power Generation



Rail



Cold Storage



Transportation



Large Open Spaces

Addressable Environments



VESDA-E VEA



Educational



Healthcare



Retail



Office Building

Harsh Environments



VESDA VLI



Mining



Waste Recycling



Manufacturing



Tunnels



Processing



Industrial

Marine



VLC Marine

Gas



VESDA ECO

EX



VLC-EX



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