



IAFC

International Association of Fire Chiefs



Mitigating Department Liability with Effective Inspections Management

Sept 21, 2021

Before we begin

Audio is being broadcast using VoIP technology through your computer speakers or headset. Please make sure your speakers or headset are turned on and the volume is turned up. Audience microphones have been muted.

If you experience technical difficulties, please contact IAFC Support via the chat function or webinars@iafc.org.



Chat, Q&A and Handouts

In the upper right corner of your screen, you will find the Chat and Q&A menus. You are encouraged share comments and submit questions for the speakers.

If the presenters have provided resource materials or links, you will find them in the Handouts section.



Thank you to our Sponsor



In partnership with the IAFC



Host /Moderator



Jeff Dulin

Senior Advisor/Chief (Ret.)

IAFC/Charlotte (NC) Fire Department (USA)



Presenters



Robbi King

Solutions Engineer
Vector Solutions

Robbi King spent 27 years in public safety, including 13 years with Camden County, GA, Fire Rescue where he reached the rank of Assistant Chief. He also served more than 13 years as deputy coroner at the Camden County Coroner's Office. As assistant chief in Camden County, King helped the agency with firefighting support, management of logistics, and administration of Vector Solutions' training management platform. He now serves as a solutions engineer with Vector Solutions.





IAFC Event

*Mitigating Department Liability with Effective
Inspections Management*

September 21, 2021



Challenges With Paper and Spreadsheets



- Lack of accountability – no automated notification or searchable history to know who has or has not completed their checks
- No build-in analytics to help understand what data is important or what it means
- Difficult to get real-time inventories and equipment status across stations
- Paper systems do not track the details needed for DEA audits of controlled substances
- No easy workflow tracking to know the status of repairs, orders, or who you're waiting on



Digital Inventory & Equipment Status



Using Vector Check It

- Real-time asset status
(equipment pool filters & item logs)
- Know where supplies are
(inventory dashboard)
- Reduce missing equipment
(one customer achieved 90% reduction)
- Up-to-date counts on Controlled Substance
usage, transfer, safe counts, and box counts
- Instant chain of custody and documentation to
ensure accountability in a diversion or DEA audit



Streamlining Processes

Using Vector Check It

- Routine apparatus maintenance with service tickets
- Targeted notifications with ticket strategy
- Equipment repair vs replacement with mobile app + ticket types



Putting Check Data to Work

Using Vector Check It

- Apparatus out of service time
(Out of Service dashboard)
- Understanding equipment lifespan
(Expiring Equipment dashboard)
- Budgeting & justification
(Equipment Overview dashboard)
- Value of assets
(multiple dashboards combined)



Unified Fire Authority

Utah

- Full transparency for DEA or any disclosure request on all controlled substances
- Up-to-date counts on usage, transfer, safe counts and box counts across their 24 stations
- Instant chain of custody and documentation to ensure accountability in case of a potential diversion
- Automated deliveries from distributorship to each of the 24 station safes
- Single app with the ability to isolate controlled substance tracking from vehicle, apparatus and equipment checks
- Easily adapt to more distributed training when COVID-19 required social distance learning



LMS, 2014
Check It, 2019
25 fire stations
Population 197,756

“We can provide accurate daily readings of where we are on our medications. We know the quantity at each of our 24 stations at any point in time.”

Karla Rickards, RN and Manager of Controlled Substances



Billings Fire Department

Montana

- Complete digital inventory on all items on vehicles/apparatus/etc.; valuable, real-time data if on lost / stolen items for police / insurance reports
- List of missing inventory reduced from 11 pages to 1 with proper documentation and ability to easily audit inventory
- Maintenance tickets enables engineers and mechanics to communicate within the app in real-time with notes, videos, photos, repair timelines
- Improved compliance and accountability by providing supervisors access to see who has and has not completed their checks
- Fast and easy insight into asset levels. Battalion Commanders can instantly identify if they're short a brush rig and see where their standby rigs are without tracking down individuals for info

“We can see what has expired and what we need to replenish, like IV needles. We can do a quick run count anytime on any items without having to do a full inventory count.”

Captain Chelsea Thompson, Logistics Officer



Ideas for Success

Using Vector Check It



- Custom fields for apparatus




Funding	<input type="text" value="SOA J-148"/>
MDT Address	<input type="text" value="192.168.201.081"/>
Pump GPM	<input type="text" value="1500"/>
Seating Capacity	<input type="text" value="4"/>
Tire Chains	<input type="text" value="D2"/>
Water Capacity	<input type="text" value="755"/>

Ideas for Success

Using Vector Check It

- Custom fields for apparatus
- Dilutions in drug names

FENTANYL CITRATE (SUBLIMAZE), 100 mcg in 2 ml vial

 Track Expiration ·  123 Track Lot Number ·  Controlled Substance · Notify 1 month before expiration

KETAMINE HYDROCHLORIDE (KETALAR), 500 mg in 10 ml vial

 Track Expiration ·  123 Track Lot Number ·  Controlled Substance · Notify 1 month before expiration

MIDAZOLAM (VERSED), 10 mg in 2 ml vial

 Track Expiration ·  123 Track Lot Number ·  Controlled Substance · Notify 1 month before expiration

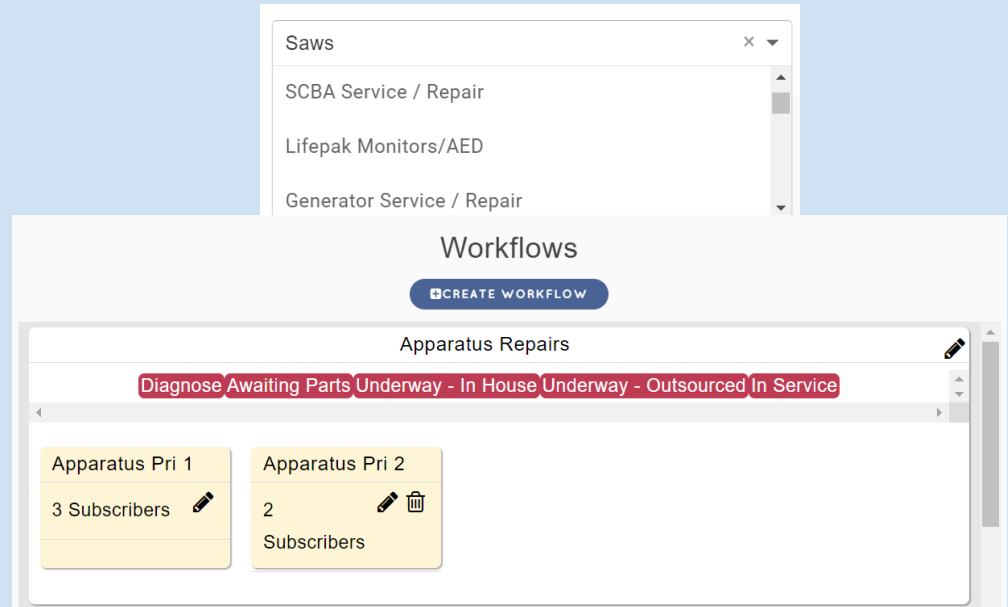
VECURONIUM (NORCURON), 10mg powder + 10ml diluent

 Track Expiration ·  123 Track Lot Number ·  Controlled Substance · Notify 2 month before expiration

Ideas for Success

Using Vector Check It

- Custom fields for apparatus
- Dilutions in drug names
- Maximize ticket workflows



The screenshot displays the 'Workflows' configuration page in the Vector Check It system. At the top, a dropdown menu is open for 'Saws', showing options: 'SCBA Service / Repair', 'Lifepak Monitors/AED', and 'Generator Service / Repair'. Below this, the 'Workflows' section is titled, with a 'CREATE WORKFLOW' button. The main workflow being edited is 'Apparatus Repairs'. The workflow steps are: 'Diagnose', 'Awaiting Parts', 'Underway - In House', 'Underway - Outsourced', and 'In Service'. Below the workflow steps, there are two configuration cards for 'Apparatus Pri 1' and 'Apparatus Pri 2'. 'Apparatus Pri 1' has '3 Subscribers' and an edit icon. 'Apparatus Pri 2' has '2 Subscribers' and both edit and delete icons.

Ideas for Success

Using Vector Check It

- Custom fields for apparatus
- Dilutions in drug names
- Maximize ticket workflows
- **Repair vs replacement**

Issue **Turnouts**

Contamination which can't be removed with brush & water

File ▾ Edit ▾ Insert ▾ View ▾ Format ▾

← → **B** *I* ☰ ☷ ☹

tar splashed on sleeves, can't be removed

Attachments

 × +

ac9d5c55-a506-... Add Attachment

Comments



Ideas for Success

Using Vector Check It

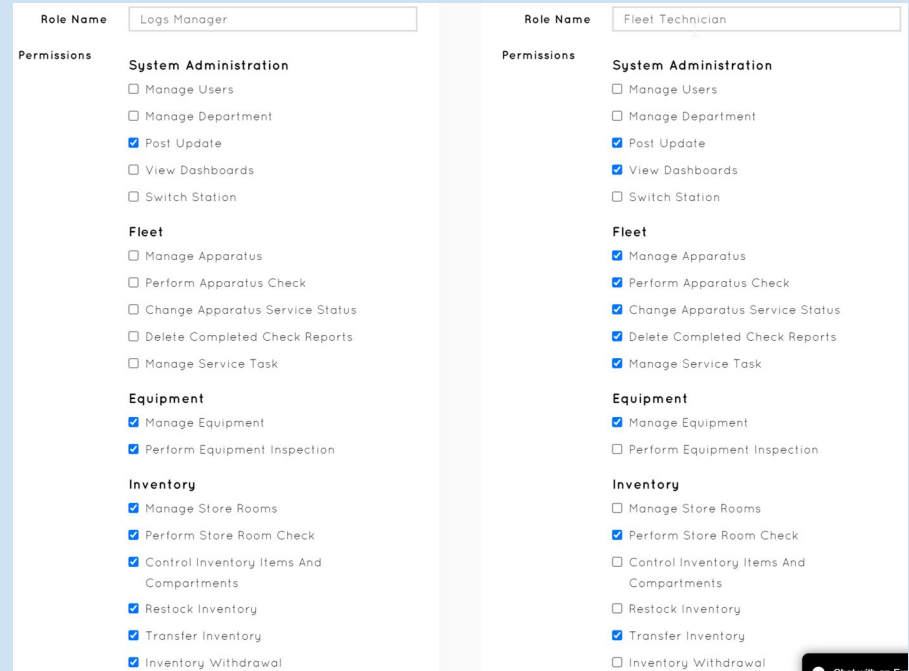
- Custom fields for apparatus
- Dilutions in drug names
- Maximize ticket workflows
- Repair vs replacement
- **Equipment pool strategy**

Generators x4 Overdue ▼	GPS ▼
HazMat Equipment ▼	HazMat Gas Monitors ▼
Honeywell Half-Mask 7700 ▼	Hose- Booster ▼
Hose- Highrise 1.75" ▼	Hose- Highrise Standpipe 3" ▼
Hose- Structure 1.00" Nitrile ▼	Hose- Structure 1.75" ▼
Hose- Structure 1.75" Short Section ▼	Hose- Structure 2.50" ▼
Hose- Structure 5.00" ▼	Hose- Structure 5.00" Short Section ▼
Hose- Wildland 1.00" ▼	Hose- Wildland 1.50" ▼

Ideas for Success

Using Vector Check It

- Custom fields for apparatus
- Dilutions in drug names
- Maximize ticket workflows
- Repair vs replacement
- Equipment pool strategy
- Need-based roles



The screenshot displays two side-by-side panels comparing permissions for different roles in the Vector Check It system. Each panel has a 'Role Name' field at the top.

Left Panel: Role Name: Logs Manager

Permissions

- System Administration**
 - Manage Users
 - Manage Department
 - Post Update
 - View Dashboards
 - Switch Station
- Fleet**
 - Manage Apparatus
 - Perform Apparatus Check
 - Change Apparatus Service Status
 - Delete Completed Check Reports
 - Manage Service Task
- Equipment**
 - Manage Equipment
 - Perform Equipment Inspection
- Inventory**
 - Manage Store Rooms
 - Perform Store Room Check
 - Control Inventory Items And Compartments
 - Restock Inventory
 - Transfer Inventory
 - Inventory Withdrawal

Right Panel: Role Name: Fleet Technician

Permissions

- System Administration**
 - Manage Users
 - Manage Department
 - Post Update
 - View Dashboards
 - Switch Station
- Fleet**
 - Manage Apparatus
 - Perform Apparatus Check
 - Change Apparatus Service Status
 - Delete Completed Check Reports
 - Manage Service Task
- Equipment**
 - Manage Equipment
 - Perform Equipment Inspection
- Inventory**
 - Manage Store Rooms
 - Perform Store Room Check
 - Control Inventory Items And Compartments
 - Restock Inventory
 - Transfer Inventory
 - Inventory Withdrawal

Tips from Customers

Using Vector Check It

- Technology first (wifi, devices)
- Have one expert to start, then expand as needed
- Pilot station or program
- Have realistic expectations, success takes time

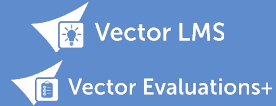


A Total Training, Workforce and Asset Management Solution

A Better Way to Enhance Performance, Ensure Compliance and Protect Resources



Learning



- Job competencies
- Training requirements
- Assign, track, report
- Online & in-person
- 450+ hours of firefighter training
- 250+ hours of EMS training
- Share files, links
- Live event management

Risk Management



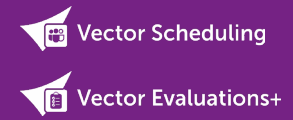
- Employee training and compliance
- ISO tracking & records
- Policy management
- Employee accountability
- Employee accidents (OSHA)
- Driver training

Operational Readiness



- Apparatus & equipment checks
- Inventory management
- Hydrant testing
- Performance standards
- Cost analysis & budgeting
- Controlled substances
- Repair & maintenance tickets

Workforce Management



- Employee scheduling & trades
- Shift planning & overtime management
- Instant team deployment
- Live skill assessments from the drill yard
- Driver skill assessment
- Leave accrual
- Robust mobile apps

Q&A



Thank you to our Sponsor



In partnership with the IAFC



Upcoming Events

- **VCOS Symposium in the Sun**
Nov 11-14, 2021 – Clearwater, FL
- **Wildland Urban Interface**
Nov 14-16, 2021 – Reno, NV



Recording and Survey

You will receive a link to today's recorded session by email, along with a brief survey. Please share your feedback about your experience today.



Thank you

