



Dedicated to Public Safety



Early Outreach Efforts with Tualatin Valley Fire & Rescue



**Michael R. Duyck, Fire Chief
Tualatin Valley Fire & Rescue**

FirstNet Board Meeting

Board Meeting | April 23th, 2013 | Washington D.C.

TVF&R's FirstNet Academy

- A 30-Hour Immersion in Fire and EMS



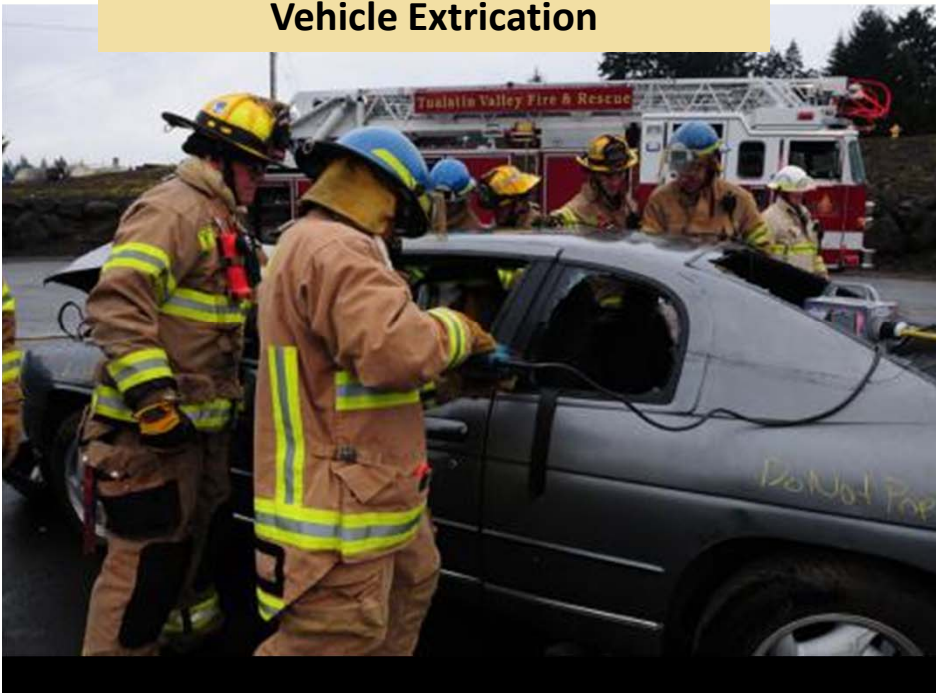
Hoseline Drills



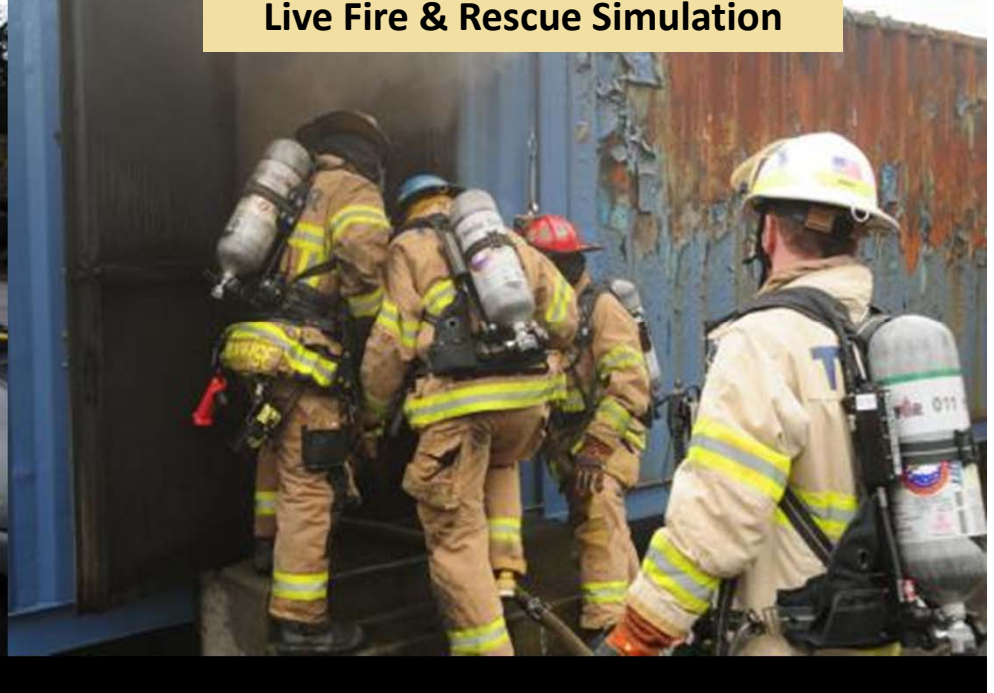
Code 99; EKG Cardiac Monitors



Vehicle Extrication



Live Fire & Rescue Simulation



TVF&R's FirstNet Academy


- 11 hours in a fire station
 - Incident response
 - In-depth discussions with the end user

“We have to provide emergency responders with tools and solutions that give them better information and better data to do their jobs more quickly and more effectively.”

**Peters Suh,
FirstNet Consultant**



A First Hand Look at Fire and EMS Needs

- **Command/Front line apparatus technology**
 - **Mobile command center technology**
 - **EMS field equipment technology**
 - **Deployment analysis and Standard of Cover**
 - **IT infrastructure (field, mobile and RMS)**
 - **Enterprise GIS**
 - **Technology for healthcare reform**
 - **Fire Operations Center**
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Morning Debrief

TVF&R Hosts FirstNet Academy

FirstNet Take-Away:

- There is a clear industry need to create greater data connectivity for EMS related equipment. These items were assumed to be transmitting data points to several locations, including hospitals.
- There is a need for purposeful "application" development for the Fire/EMS industry. This should include private (e.g. auto manufacturers), industry and FirstNet.
- The industry environment is not conducive to friendly hardware integration. Ruggedized hardware development will be key.
- Voice infrastructure may be overlapping, too redundant and not built out in an efficient manner. Byproduct of a region that has not necessarily developed together over time. There is good collaboration, but maybe excessive infrastructure.
- FirstNet is clear on the need to provide service across broad geography and this will require multiple technology solutions including satellite service.



TVF&R Take-Away:

- Based on FirstNet Engineers and Developers input and evaluation, our wired and wireless network is robust and capable to serve our needs.
- The District should hold off on replacement of any Land Mobile Radio (800) system replacement for as long as possible.
- The District is interested in exploring using our region as one of the first "test beds" for FirstNet. This could possibly occur within 2-4 years.
- The District has a clear understanding that the future is clear that voice and data will become one, hence the stall on Land Mobile Radio replacement.



“It was quality time. There was a great exchange on information – we learned a lot about emergency field work, and were also able to share ideas about how a dedicated network would help.” This is the beginning of a collaboration, not a one-off meeting.”

**Clint Cooper,
FirstNet Client Coordinator Consultant**

