



# Harris International Users Conference and Training Symposium

## April 28 - May 2, 2019

Peppermill Resort Spa & Casino, 2707 South Virginia Street, Reno, NV, 89502

### Sunday, April 28

**11:00 am – 5:00 pm**      **Registration Open**

**1:00 pm – 5:00 pm**      **Training Session: Symphony Dispatch Console Configuration**

**Duration:**                      **4 hours.** Upon completion of this class, attendees will receive certification from the Harris Training Center.

#### **Course Description:**

This training session will provide an overview of configuring the Symphony Dispatch Console to meet specific operational needs. In this session, we will briefly discuss the overall configuration of the Symphony Dispatch Console using the configuration utility. We will then cover the three configuration options located within the console's application menus: GUI Configuration, Audio Configuration, and Configure GUI Settings. Upon completion of this training, participants will be able to:

- Set up and customize the Symphony Dispatch Console display
- Configure Symphony Dispatch Console basic operational parameters including Setups, Workspaces and Audio
- Configure collections of Communication Modules including groups, users, paging, and others.
- Add modules and/or workspace tabs to the current setup
- Configure runtime settings for the Symphony Dispatch Console GUI; histories, RX calls, display, and alias/ID
- Discuss the Audio Box Configuration to adjust gain of devices, turn ALC on/off, and adjust bias

**1:30 pm – 4:00 pm**      **Training Session: Harris Gridlink - Distribution Automation where you never thought possible**

**Duration:**                      **2.5 hours.** Upon completion of this class, attendees will receive certification.

#### **Course Description:**

Utilities understand the benefits of Distribution Automation (DA). Maintaining visibility and control of your grid allows Utilities to improve their services to their customers and significantly reduce costs. While Utilities can transmit the SCADA that makes DA possible over fiber optics, mesh networks, or cellular, most Utilities still have coverage gaps. Harris GridLink provides a solution by using the data capabilities of a mission critical DMR radio network, that is already being deployed for voice, to fill those coverage gaps. Upon completion of this training, participants will be able to:

- Describe the basic DMR Tier 3 infrastructure requirements
- Explain why DMR Tier 3 is an ideal solution for both voice and data
- Understand the mission critical nature of a DMR Tier 3 network
- Describe the capabilities of the TD9300 data radio and how it connects into existing SCADA systems
- Install their own TD9300 to their network and link it into their Distribution Automation system
- Know how to request and receive SCADA over their LMR network
- Calculate the cost benefits of running Distribution Automation to remote areas via GridLink

**5:30 pm – 7:30 pm**      **Opening Reception**



**Monday, April 29**

- 7:00 am – 8:00 am**      **Breakfast, *Meal Provided***
- 7:30 am – 9:00 am**      **Registration Open**
- 8:00 am – 10:00 am**      **Users Talking to Users**
- 10:00 am – 10:30 am**      **Exhibit Hall, *Prize Drawing***
- 10:30 am – 12:00 pm**      **Users Panel Discussion: System Operations and Lessons Learned in 2018 Disaster Situations**
- 12:00 pm – 1:30 pm**      **Lunch with Guest Speakers, *Meal Provided***
- 1:30 pm – 2:15 pm**      **Users Talking to Users**
- 2:15 pm – 3:45 pm**      **Exhibit Hall, *Prize Drawing***
- 3:45 pm – 5:00 pm**      **General Session / Elections**
- 6:00 pm – 9:00 pm**      **Dinner on your own**

**Tuesday, April 30**

- 7:00 am – 8:00 am**      **Breakfast, *Meal Provided***
- 7:30 am – 9:00 am**      **Registration Open**
- 8:00 am – 8:45 am**      **Welcome / Harris Overview/ L3 Merger**
- 8:45 am – 9:15 am**      **Guest Speaker: Darin Balaam, Washoe County Sheriff**
- 9:15 am – 10:30 am**      **Harris Experience, *Grand Ballroom A-C***  
Experience hands-on product demonstrations and have one-on-one conversations with Harris technology experts.
- 10:30 am – 11:00 am**      **Network Never Blink, Lessons learned from an EF3 Tornado**  
Mike Miller, RACOM
- 11:00 am – 11:45 am**      **A (Mission) Critical Time for Operational Interoperability**
- 12:00 pm – 1:00 pm**      **Lunch, *Meal Provided***
- 1:00 pm – 1:30 pm**      **Harris Cybersecurity Products Overview**
- 1:30 pm – 2:00 pm**      **Guest Speaker: Bill Olsen, Chief Information Officer, Nevada Energy**

Track	Utility	Public Safety
2:00 pm – 3:00 pm	Utility VoC	Public Safety VoC
3:00 pm – 3:15 pm	Break	Break
3:15 pm – 5:00 pm	Future of DMR P25 Roadmap Services	Broad Portfolio of Devices VIDA System Solutions Services

- 6:30 pm – 9:00 pm**      **Harris Hosted Dinner, *Meal Provided***

## Wednesday, May 1

**7:00 am – 8:00 am**      **Breakfast, Meal Provided**

**8:00 am – 8:30 am**      **General Session / Election Results and Close**

**8:30 am – 5:30 pm**      **Training Session 1: P25 Over-The-Air Rekeying (OTAR) Lunch Provided**

**Duration:**              **8 hours.** Upon completion of this class, attendees will receive certification from the Harris Training Center.

### Course Description:

This training session will review the features, terminology, and recommendations for Over-The-Air Rekeying (OTAR). The training will begin with a brief overview of the Harris P25 radio system architecture and then review the setup and configuration of the Unified Administration System (UAS) as it relates to encryption. This includes an overview of the Key Management Facility (KMF) server. Upon completion of this training, participants will be able to:

- Describe the basic Harris VIDA infrastructure and identify key components
- Describe the basic operation of a P25 trunked radio system
- Define all terminology associated with OTAR
- Describe the relationship between P25 Talk groups, Users and CryptoNets
- Discuss the use of System Keys
- State the functions of the KMF
- List the components/servers that must be configured for OTAR
- List the required steps to implement OTAR on a P25 radio system
- Identify encryption needs and responsibilities of personnel associated with OTAR
- Create CryptoNets and assign Users and Talkgroups to CryptoNets
- Rekey and change over CryptoNets
- Describe how to Zeroize terminal equipment locally and remotely
- Describe how keys can be shared among multiple KMF's on a Harris network and between multiple vendor's encryption key management systems

**8:30 am – 5:30 pm**      **Training Session 2: Tait Radio Operation & Programming Lunch Provided**

**Duration:**              **8 hours.** Upon completion of this class, attendees will receive certification from the Harris Training Center.

### Course Description:

This training session will cover the basics of operating and programming Tait radios for both P25 and DMR systems including the different available options. The training will also cover the Tait Unified Vehicle platform and how to integrate it into your current or future mobile radio fleet. Upon completion of this training, participants will be able to:

- State the options available on different Tait radio models
- Discuss the controls, indicators and menus of Tait subscriber units
- Describe the basic process for creating a radio configuration file for DMR radio systems
- Describe the basic process for creating a radio configuration file for P25 radio systems
- Discuss the process for updating a radio configuration file
- Discuss how to upgrade software in a subscriber unit
- State which mobile radios can utilize the Tait Unified Vehicle feature

- Describe how to update an existing mobile radio to utilize the Tait Unified Vehicle platform
- State the purpose of AppBuilder and how it interfaces with the Tait Unified Vehicle hardware
- Discuss the benefits of utilizing the Tait Unified Vehicle platform

## Thursday, May 2

**7:30 am – 8:30 am**      **Breakfast, Meal Provided**

**8:30 am – 5:30 pm**      **Training Session: Harris Radio Programming** *Lunch Provided*

**Duration:**              **8 hours.** Upon completion of this class, attendees will receive certification from the Harris Training Center.

### Course Description:

This training session will focus on advanced Harris radio programming topics to include using zones, voice annunciation, and mixed zone scanning, and what it takes to program a Harris P25 radio to operate on another manufacturer's P25 radio system. The Radio Personality Manager (RPM) and Radio Personality Manager 2 (RPM2) software applications will be compared. The training will also include a brief overview of Harris P25 radio system architecture and operation. Upon completion of this training, participants will be able to:

- Describe the basic Harris VIDA infrastructure and identify key components
- Describe the basic operation of a P25 trunked radio system
- Discuss the differences between Radio Personality Manager (RPM) and Radio Personality Manager 2 (RPM2)
- Describe the basic process for creating a new P25 trunked radio personality
- Describe how to best utilize zones, mixed zones, mixed zone scanning, custom scan lists and voice annunciation
- Describe the process for programming a voice annunciation configuration file into a radio
- Describe the process for updating radio features in XL and XG radios
- Discuss the process for programming personalities and updating firmware in XL radios over a Wi-Fi network

**8:30 am – 2:00 pm**      **Training Session: Harris Unified Vehicle: Making your Radio Work for You**  
*Lunch Provided*

**Duration:**              **5 hours.** Upon completion of this class, attendees will receive certification.

### Course Description:

For years, the Mobile radio has reliably provided voice communications for mission critical users. But why stop with voice? Harris Unified Vehicle, powered by Tait, creates a Vehicle Area Network for users and unlocks a world of possibilities by bringing together LMR, LTE, Wi-Fi, Bluetooth, and a customizable AppBuilder into a single platform. Upon completion of this training, participants will be able to:

- Create a mobile Wi-Fi hotspot for their vehicle from their Mobile radio
- Make mobile radio calls from their smartphone
- Connect their mobile radio to the LMR network via LMR, LTE, or Wi-Fi
- Create custom applications that benefit their organization
- Monitor and track the location of their assets, helping to ensure expensive equipment is never lost or forgotten
- Use their mobile radio or smartphone for remote control of base level device control (pumps-motors) on a local and global basis
- Increase connectivity for safer, more reliable communications