



# Alster News



Volume 22, Issue 4

April, 2018

## ACES Boise, Butte & Spokane

We are proud to announce our 41st. Alster Communications Electronic Showcase!

This year ACES we will be held in Boise, ID on Tuesday, May 8th ; Butte, MT on Wednesday, May 9th; and Spokane, WA on Thursday, May 10th. The schedule and hotels are listed below.

### 6 Technical Seminars

We will have six technical presentations, an exhibit area showing the latest and greatest product we have to offer and provide free coffee, pastries, lunch, door prizes and a good time.

### 14 Manufacturers

Factories scheduled to be

in the exhibit area include:

**Bird/TXRX** - Cavities, couplers, receive multicouplers, signal boosters

**Cadex Electronics** - Battery Analyzers and Maintenance Systems.

**Cobham/Aeroflex** - Handheld and Desktop Service Monitors

**Codan/Daniels** - Analog and P25 base station and repeaters, link controllers

**Federal Signal** - Outdoor Warning Sirens

**JPS Interoperability Solutions** - Interoperability Gateways and Voters.

**Lyncole** - Grounding Products

**Otto Communications** - Audio accessories

**Power Products** - Portable radio Batteries and Chargers

**Pulse/Larsen** - Base, Mobile, Portable, LTE antennas

**Pyramid** - In-Vehicle repeaters, mobile data terminals

**Survey Technologies** - Drive test software

**TASC Systems** - Site monitoring equipment

**Times Cable/Protect** - Flexible cable and lightning protection.

### Free Registration!!

To register, please go to [www.alster.com](http://www.alster.com) and click the Registration link on the Home Page.

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## ACES - Schedule and Hotels

As usual, the 2018 ACES Show begins at 8:00 AM with two seminars (Room A and B, see pages 2 and 3).

We encourage you to get there early for registration and to grab a cup of coffee and a pastry before the seminars start.

About 9:30 after the first seminars end, our Exhibit area opens up and we invite you to speak with our sales managers and look at the newest products they have to offer.

At 11:00 AM, we will

continue with two more seminars in rooms A and B.

At noon, we provide our free lunch and pull our door prize winners.

At 12:45, our last two seminars of the day begin in rooms A and B.

### Hotels Locations

The following is a list of our hotels.

### Boise - Tuesday

Wyndham Garden Boise Airport  
3300 S Vista Avenue

Boise, ID 83705

### Butte- Wednesday

Copper King Hotel & Convention Center  
4655 Harrison Ave  
Butte, MT 59701

### Spokane - Thursday

Ramada at Spokane Airport  
8909 W Airport Dr.  
Spokane, WA 99224

We look forward to seeing you the second week of May - please register today.  
Ω



## ACES - Room A Seminars

At 8:00AM **Codan** will discuss IP based control protocols for analog and P25 digital radio systems. The session will include background on legacy control methods and how they have evolved into IP based interconnections, as well as showcase the advantages to IP control. Codan will show the P25 Digital Fixed Station Interface (DFSI) and how it can be used to connect open-standards based consoles and radio systems

over different IP mediums (fiber, cellular, satellite). We will discuss the advantages of IP backhaul for P25 Voting and Simulcast radio networks, and touch on the ISSI inter-subsystem interface.

At 11AM **TASC Systems** will discuss various components and applications of a site monitoring system.

We will discuss complete solutions from application specific sensors, low-power

remote site platforms, extensive backhaul options and integrated software products.

At 12:45PM **Aeroflex** will begin with a brief overview of the importance of digital radio alignments and it's impact on the performance of digital systems. Followed by the proper setup of auto alignment parametrics and avoiding the pitfalls of radio mis-alignments for both analog and digital radios.Ω

### ACES Seminars

## Cobham-8800SX Service Monitor

The 8800SX expands upon the unprecedented features of the 8800 Series with a new 10 MHz external reference and new software capabilities to further speed testing of today's Land Mobile Radio systems.

With its hybrid portable design, the industry's largest color touch-screen display, ruggedness, internal battery,

power accuracy, advanced automated test and alignment, fast VSWR/Return Loss and Cable Fault measurements, the 8800SX offers RF professionals a whole new experience in radio test.

The 8800SX combines the performance and features of a bench-level test set with the portability and

ruggedness of a field-level instrument. Weighing only 17 lbs (7.71 kg), an internal battery with 2.5+ hour of operation, and rugged 30 G shock rating, now test professionals will no longer compromise portability for critical test features. Ω



**Cobham 8800SX Service Monitor**

## TASC Systems - APEX

siteVIEW APEX is the next generation of TASC Systems' remote site monitoring software. In addition to providing all of the features and functionality of siteVIEW Enterprise, siteVIEW APEX provides many new advancements:

Singular, consolidated view of your network. Integrated SNMP-enabled elements and TASC remote monitoring platforms. Ag-

gregated real-time data from all network devices, element managers, and TASC remote monitoring platforms.

Identification and tracking of system performance issues and a human-machine interface with intuitive instrument panel interface. Event and alarm messaging (email, SMS and FleetSync).

siteVIEW Mobile, which

provides device and alarm management from mobile smart phone, tablet or any other web enabled devices.

Come see us at ACES for more information. Ω



**TASC Site Monitoring**



## ACES - Room B Seminars

The Room B seminars kick off with **Lyncole and Times Microwave**

Discussion of grounding and lightning protection techniques to protect RF and general electronic equipment from surges of power.

Our 11 AM session will be with **Pyramid Communications**

Discussion and overview of the benefits and issues in extending portable radio coverage, including enhanced trunking capabilities and multiband communications with a single band portable.

Our 12:45 PM seminar is a discussion by **JPS Interoperability**

Introduction of new Interoperability products including connection to First-Net LTE; Push to Talk over Cellular applications; We will discuss the expanded capabilities of the new ACU-Z1 and RSP-Z2 interoperability products, and SNV-12 Voter IP backhaul capabilities. Ω

### ACES Seminars

## Pyramid - SVR-P255 Repeater

The SVR-P255 is the latest generation simplex vehicular repeater from Pyramid Communications that is fully compliant with the APCO Project 25 Phase I Digital Common Air Interface (CAI) protocol.

The all new P25 Smart-Trunking™ feature works with EFJohnson's KENWOOD Viking VP900 portable and VM900 mobile

radio to create a seamless trunking handshake between the mobile radio network and SVR-P255 user. This ensures that portable radio users outside the vehicle get quick and accurate notifications of all transmissions to the P25 network. Users will get indications of Channel Grant, Busy, Denial, Out of Range just as if they were

on a trunked channel of the digital network.

The SVR-P255 also utilizes the Pyramid's latest ESP™ priority structure that resolves priority conflicts during repeater idle time rather than at the critical start of a conversation. . Come see us at ACES for more information. Ω



**Pyramid SVR-P255 Repeater**

## JPS Interop - VIA Push-To-Talk

The JPS VIA Push-to-Talk over cellular application, integrated with ACU radio interoperability gateways, provides our customers a major expansion in communications capabilities. Also, hardware costs drop when access to radio channels can be provided by cellular devices to personnel who need access, but don't require all features available to handheld radios.

Additional benefits include the ability to set up

ancillary Smartphone talk groups to reduce traffic on vital radio channels during a major incident, plus the extension of communications into areas with poor radio coverage, such as in a parking garage, or to supervisors traveling outside the coverage area.

JPS VIA is offered as a hosted service running on commercial 3G/4G/LTE/WiFi networks.

Customers simply purchase the service through JPS and

download the application to their Smartphones from the JPS Android or JPS Apple App Store. A monthly service fee is charged per mobile device used.

JPS VIA offers ESChat's full and very extensive feature set, and JPS will be also be rolling out new features that more tightly integrate the JPS VIA application with ACU gateways, bringing increased awareness and control to all users of the combined system. Ω



**JPS Push-to-Talk over cellular application**



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**Register for  
ACES at  
[www.alster.com](http://www.alster.com)**



## Codan - Cascade Repeater

Codan/Daniels presents Cascade as the next-generation P25 base station/repeater that offers the only integrated system-in-a-box solution on the market. This all-inclusive package features two 100W P25 repeaters mounted inside a 4RU subrack complete with network interface and power supply.

The Cascade repeater brings to the market simulcast and voting systems, P25 trunking systems (Phase 1 and Phase 2 available) as well as a wide range of networked repeater solutions. Featuring a built-in system controller, the Cascade provides voting, simulcast, and P25 trunking network control allowing small-to-medium sized networks to be built without the need for any central controllers. In environments with multiple repeaters, the Cascade pro-

vides the ultimate in controlling system redundancy – a key aspect for mission critical LMR systems.

By having a built-in simulcast/voting controller in every repeater, the ability to build networks in an affordable manner has never been easier. Simple and intuitive user interfaces allow for easy initial set up and system maintenance. In the event of a control failure on a single repeater, any one of the remaining repeaters can take over this control thanks to a mirrored control interface in each of the Cascade repeaters.

The Cascade network interface controller is used to provide network connections between all repeaters, sites and systems.

Come see us at ACES for more information.  $\Omega$



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