



# Frame Relay Replacement Project

## Fact Sheet

February 2015

### Project Updates

- The RFP Evaluation Committee completed their initial review and scoring of all submitted proposals.
- An Intent to Award was issued on 2/4 to Telecommunication Systems Inc.

**Notice to PSAP Directors and Managers:** Thank you for your response and support of the initial proposed site surveys and replacement implementation dates. Due to the rebaseline of the project, those dates have been canceled and the project team will be reaching out to you with new proposed dates early 2016.

#### **For more information contact:**

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<http://www.oregon.gov/OMD/OEM.shtml>

### **What is the Frame Relay Replacement Project?**

The current 911 System utilizes a Frame Relay network architecture to transmit data. It is a network architecture developed decades ago and uses specific hardware produced by a single manufacturer. At the time Frame Relay was deployed, it was state of the art and very effective for transmitting data between two locations. As technology has advanced, Ethernet has become a more effective and affordable technology to transfer data. For reasons unknown, the manufacturing of the hardware used for Frame Relay has been discontinued.

Frame Relay will be discontinued as of June 30, 2017. The purpose of this project is to move the current Automatic Location Information (ALI), PSAP mapping data, management information systems, NetClock time synchronization, anti-virus, and operating system support off the Frame Relay architecture and onto an Ethernet topology before the diminished support for the network disrupts the Enhanced 9-1-1 service.

### **Why Replace the Existing Frame Relay Network?**

This project will ensure that the visitors to and citizens of Oregon have reliable E9-1-1 services, delivered on a standards based, resilient, and scalable network. The new network architecture will facilitate interoperability among Oregon PSAPs by virtue of complying with industry standards including enhanced resilience, speed and effectiveness. Likewise, the adoption of international standards assures Oregon its place in interstate operability.

### **What can you expect?**

Once completed, some of the Frame Relay Replacement benefits you will see include:

- Implementation of modern network equipment with well-defined maintenance and support requirements.
- Higher data network availability than what Frame Relay offers today.
- Measurable Quality of Service performance metrics.
- ALI tariff related charges will be replaced by the new contract potentially obtaining costs savings over what is being paid today.
- Increased security enhancements over what currently exists today.
- Increased reporting capabilities for security, utilization and ongoing maintenance and support.
- Provides a solution that is scalable and directly supports future NG9-1-1 capabilities.

### **The high level Frame Relay Replacement project tasks in 2015 are:**

- Develop replacement solution alternatives and associated requirements.
- Develop and award RFP for new Frame Relay Replacement provider.
- Development of project management deliverables (i.e. Replacement Schedule and PSAP Communication Plans).
- Complete PSAP site surveys for identifying replacement requirements specific to each location.

