



Texas Talks Trial

Overview for the State of Louisiana Technical Committee

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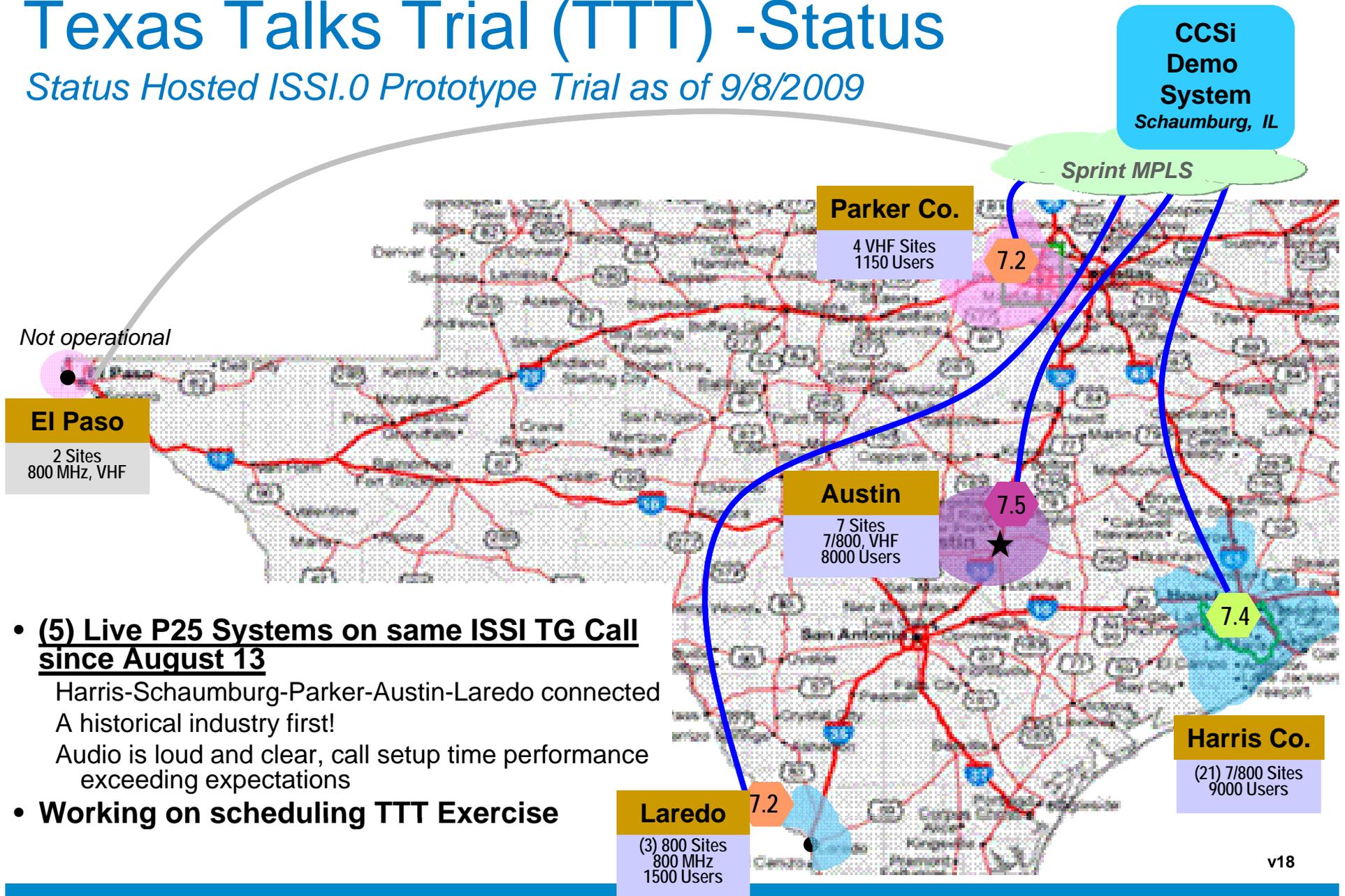
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Texas Talks Trial Topics

- **Background and Overview**
 - Status
 - Objectives
 - Background
- **Proposal to Expand and Connect to Louisiana**
- **What the Motorola Interop Solutions team will do**
- **What we need from you**

Texas Talks Trial (TTT) -Status

Status Hosted ISSI.0 Prototype Trial as of 9/8/2009



- **(5) Live P25 Systems on same ISSI TG Call since August 13**

Harris-Schaumburg-Parker-Austin-Laredo connected
A historical industry first!
Audio is loud and clear, call setup time performance exceeding expectations

- **Working on scheduling TTT Exercise**

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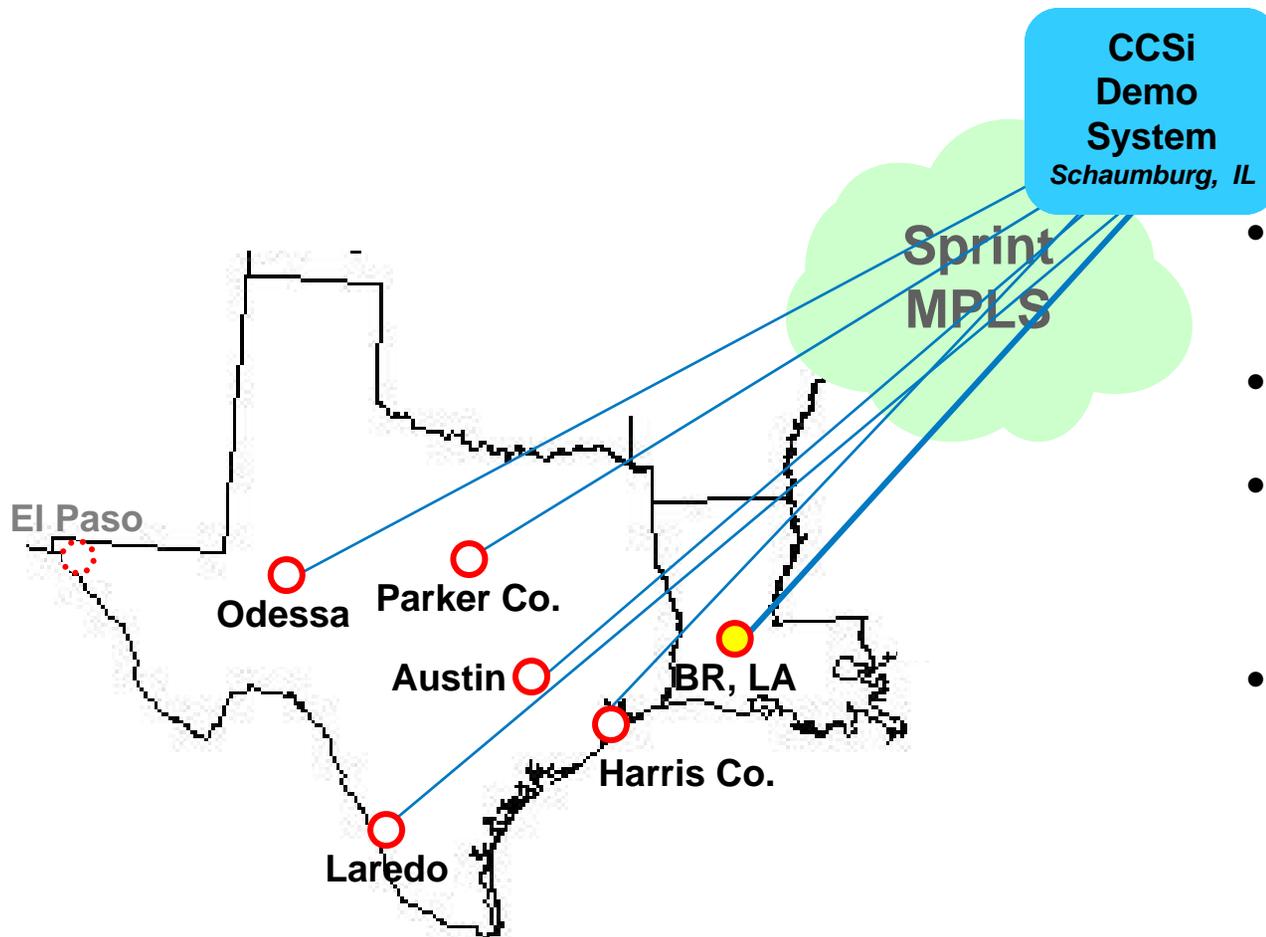
ISSI.0 Hosted Trial Overview

- **The trials use our standards-based P25 ISSI prototype “ISSI.0” gateways**
 - Application runs on a Windows PC developed in 2007 and SIT certified in 2008.
- **The project has been funded by Motorola’s product group to initiate the first live Public Safety hosted services trial.**
- **Equipment is the same hardware and software used in the State of Arizona (“AzGate”) trial.**
 - For that project, the ISSI.0 devices were put through a full SIT testing cycle to ensure failure on the gateway would not impact live traffic running on an ASTRO 25 7.X system.
 - TTT picks up where AzGate project left off

Texas Talks Trial – Objectives

- **Increase Preparedness** – Help demonstrate that the State of Texas remains on the leading edge of technologies which can substantively improve the regional response capabilities in the event of natural or manmade disasters.
- **Build Relationships** – Begin the establishment of inter-agency relationships and operational coordination needed to build toward any future regional interoperability approach in line with the established Texas’ “3Cs” interoperability objectives: **C**ommunication, **C**ooperation and **C**ollaboration.
- **Determine Operational Impacts of Network Interoperability** – Use the prototype technologies to enable connected systems and determine how this new functionality can improve first responder operations which need to connect, roam and operate over large geographic areas.
- **Determine Viability of a Cloud Computing Solution** – Determine the performance impact and acceptability of public safety radio traffic operating over cross-country networks, which could result in longer delays and subtle differences in radio dispatch operations.

Expand and Connect to Louisiana



- **Goal: Expand to include State of Louisiana**
- **Use 7.5 Ethernet Site Links**
- **Provide stakeholders with operational example of Gulf Coast interoperability**
- **Allow for demonstration and evaluation of ISSI-based connectivity solutions**

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What Interop Product Group Will Provide

- **Briefing to all participants on exactly how this will be achieved, how services will work.**
- **Loaner equipment, if needed at customer site.**
- **Direct or supervised provisioning of Zone Master Site**
- **Network connectivity from customer facilities via MPLS**
- **Code plug info for radio programming**
- **Onsite installers**
- **Test User and Dispatcher Training**
- **On the ground Interoperability Test Exercise support**

What we need from you

- **Permission to proceed.**
- **Project and Technical Leads assigned.**
- **Address of appropriate network demarcation point.**
- **Coordination, access and support to enable TG design and configuration changes in St of LA zone, and installation of a firewall device.**
- **Test Radios (2-6)**
- **Time from radio testers for verification and feedback testing.**
- **20-30 Talkgroups, 20-30 User IDs**
 - Depending on design
- *Other than staff time and attention, TTT users have not had to purchase any hardware or software.*
- *Participation does not obligate St of LA to any future purchases.*

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Details

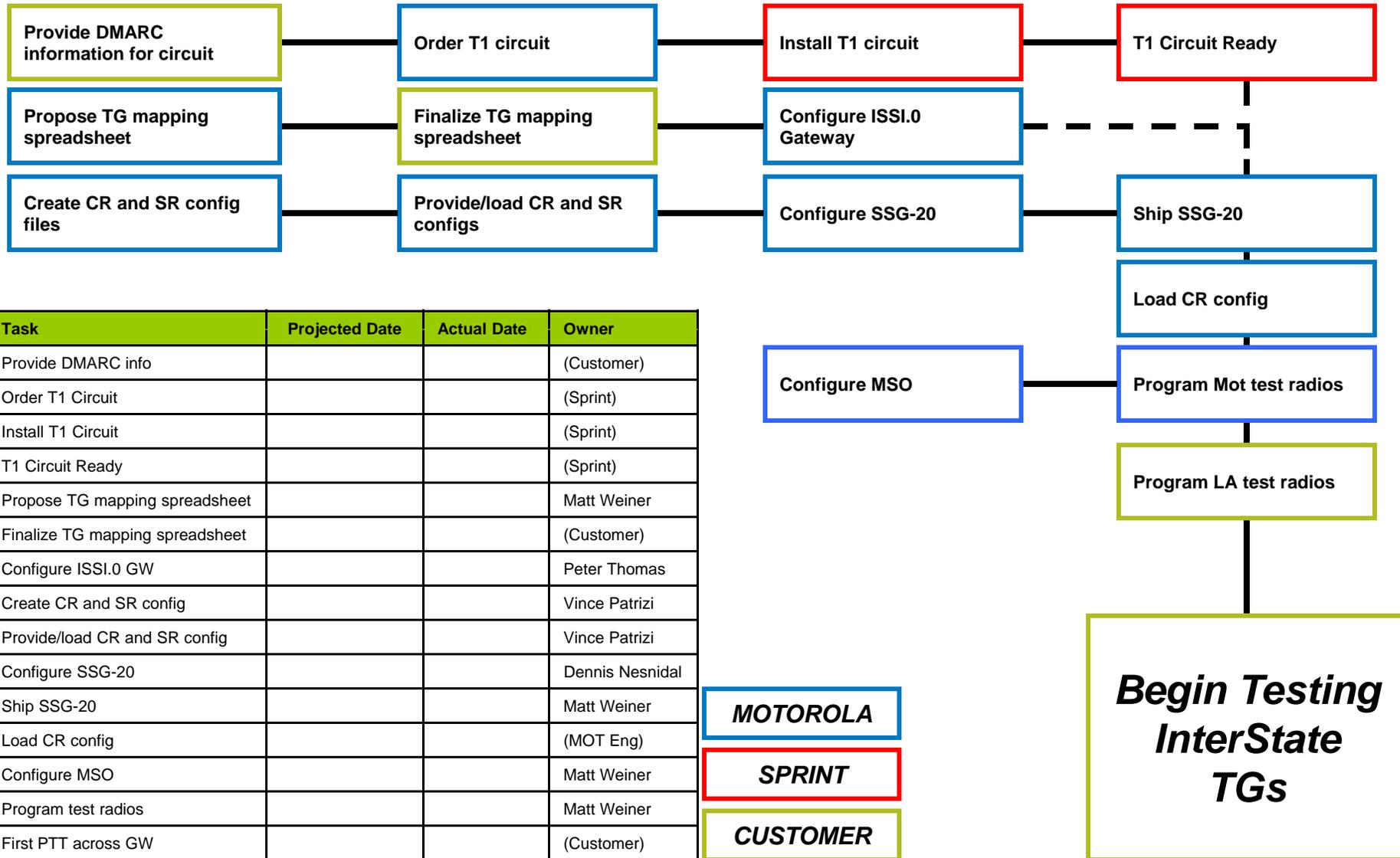
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More Project Details

- **DMARC Info Needed**
 - Exact Street Address
 - Room Number
 - Wall Location in Room
 - Phone number at building location
- **Complete TG Mapping Template**
 - Conference call with TTT and LA Project Leads to determine test TG structure
 - Need 20-30 TGs and User IDs from UCS Db
- **Verify and Provide:**
 - Verify System ID: 001BD
 - Verify WACN ID: BEE00
 - Provide Site ID for ISSI.1 GW
 - We recommend Site 99 or similar

State of LA Project Plan (preliminary)



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Project Background

- **In 2008 Motorola’s “Gemini” innovation team was funded to pursue ISSI.0 Hosted trials for 2009**
- **Gemini chartered with the task of executing a “Proof of Concept” to determine if long distance hosting of real time public safety ISSI-based interoperability is viable**
- **Cynthia reached out to MTUG Tech Committee chair to gauge interest**
 - John Chaney and Steve Jennings said “YES!” and drove expansion...
 - Harris reached out to 5 other system owners in Texas
- **Sprint graciously agreed to donate MPLS connectivity**
- **Project was delayed ~4 weeks due to connectivity challenges**
 - Achieving operation over MPLS much more difficult than anticipated