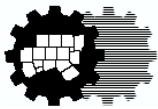


# North Central Texas Council of Governments

## P25 Regional Overlay System Project

Project Update

October 15, 2009



# P25 Trunked Overlay System Configuration



NCTCOG  
P25 700  
MHZ  
TRUNKED  
OVERLAY  
SYSTEM

FOUR  
TRUNKED  
SITES  
AND TWO  
MASTER  
SITES



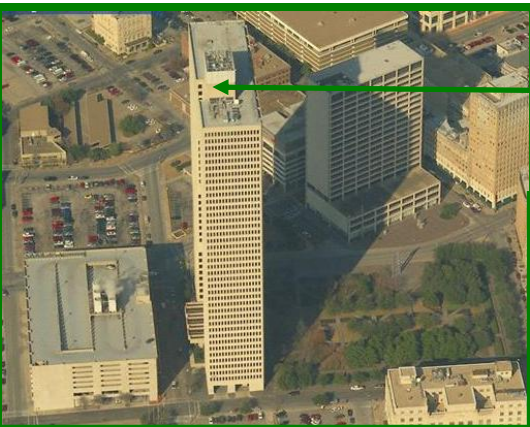
**Site # 1-Collin  
County, 700  
Wilmeth Road  
McKinney, TX  
75069**

Circuit 1: 256 kbs



**Site # 2-Denton  
County, 9060  
Teasley Lane  
Denton, TX 76210**

Circuit 2: 256 kbs



**Site # 3-City of  
Ft. Worth, 801  
Cherry Street  
Fort Worth, TX  
76102**

Circuit 3: 256 kbs

**Master Site A & Trunked Site #4  
City of Dallas-3131 Dawson St.  
Dallas, TX 75226**



ISSI Circuit 4: 1544 kbs



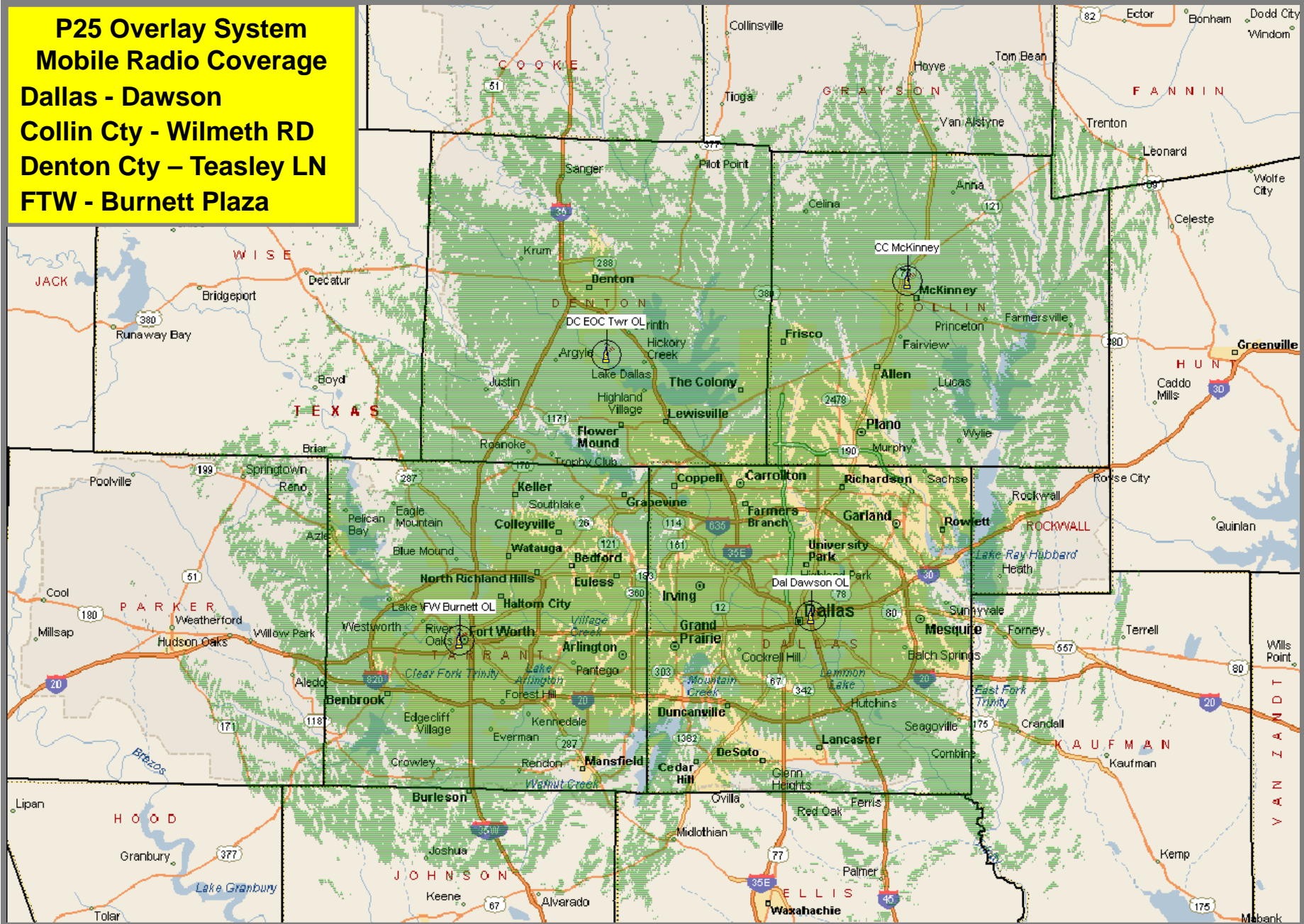
**Master Site B DFW Airport  
2332 International Parkway  
DFW Airport**



# P25 Trunked Overlay System

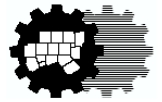


**P25 Overlay System**  
**Mobile Radio Coverage**  
**Dallas - Dawson**  
**Collin Cty - Wilmeth RD**  
**Denton Cty – Teasley LN**  
**FTW - Burnett Plaza**





# P25 Overlay System Project Tasks

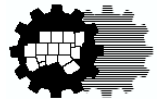


1. **Vendor Proposals Reviewed and Forwarded to SAA - (10/9)**
2. **700 MHz Channel “Reserve” Request Submitted - (10/2)**
3. **FCC Licensing Effort Underway - (10/5)**
  - a) Frequency Coordination - **Pending**
  - b) FCC Form 601 Completion - **Pending**
  - c) Region 40 Submittal – **Pending**
  - d) Issuance of Licenses – **Pending**

} Expected by 12/31/09
4. **NEPA Forms Submitted - (10/8)**
5. **Connectivity Method Under Examination**
  - a) **Request Sent to Texas Department of Information Resources Regarding Use of TEX-AN Network - (10/9)**
  - b) Examining use of TRE/DART Fiber Optic Circuits
  - c) Default Connectivity Is Leased Digital Services
6. **Complete Execution of Inter-Local Agreements - Pending**



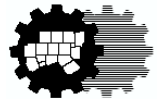
# P25 Overlay System Project Tasks



7. Approval of SAA & Placement of Equipment Orders with Vendors – **Pending**
8. Begin Site Preparation Work & Related Tasks – **Pending**
  - a) IM Analyses Undertaken by Vendors
  - b) Tower Loading Analyses Completed
    - i. Collin County Wilmeth Road
    - ii. Denton Teasley Lane
    - iii. Dallas Dawson
9. Finalize Talkgroup Plan – **Pending**
10. Completion of FCC Licensing – **Pending** (by 12/31/09)
11. Complete System Connectivity Effort – **Pending**
12. Complete Radio Field Unit Programming Plan – **Pending**
13. Complete Installation, Optimizations & Testing of System Elements – **Pending**



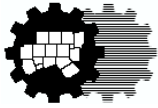
# P25 Overlay System Project Tasks



- 14. **Complete Radio Field Unit Programming – Pending**
  - a) Program P25 Capable Radio Field Units
  - b) Upgrade & Program P25 “Ready” Radio Field Units
- 15. **System Acceptance Testing Including ISSI: – Pending**
- 16. **Complete System Operational Plan – Pending**
- 17. **System Ready for Use – Pending (8 to 9 Months After Contract Execution)**
- 18. **Potential System Upgrades & Additions – Pending**
  - a) Radio Field Unit Upgrades/Programming
  - b) System Connectivity
  - c) Addition of Sites

} Pending  
Future  
Funding

## QUESTIONS AND COMMENTS



# North Central Texas Council of Governments

## P25 Regional Overlay System Project

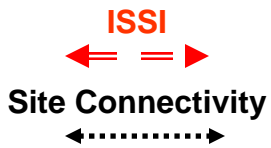
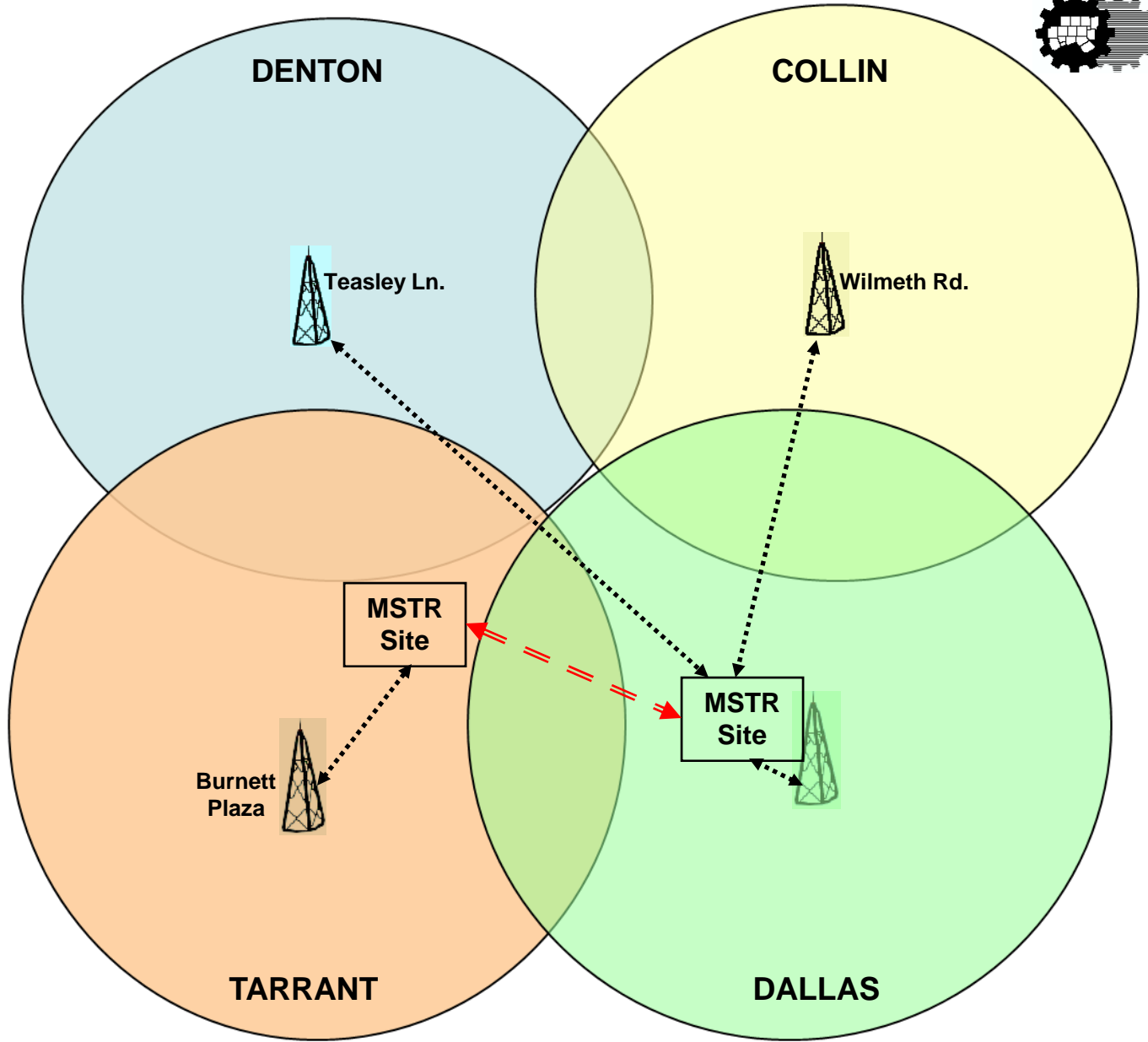
System Review  
(Optional)



**NCTCOG P25  
700 MHZ  
TRUNKED  
OVERLAY  
SYSTEM**

**FOUR  
TRUNKED  
SITES AND  
TWO  
MASTER  
SITES**

**P25 System is  
Idle – No  
Talkgroup  
Traffic**

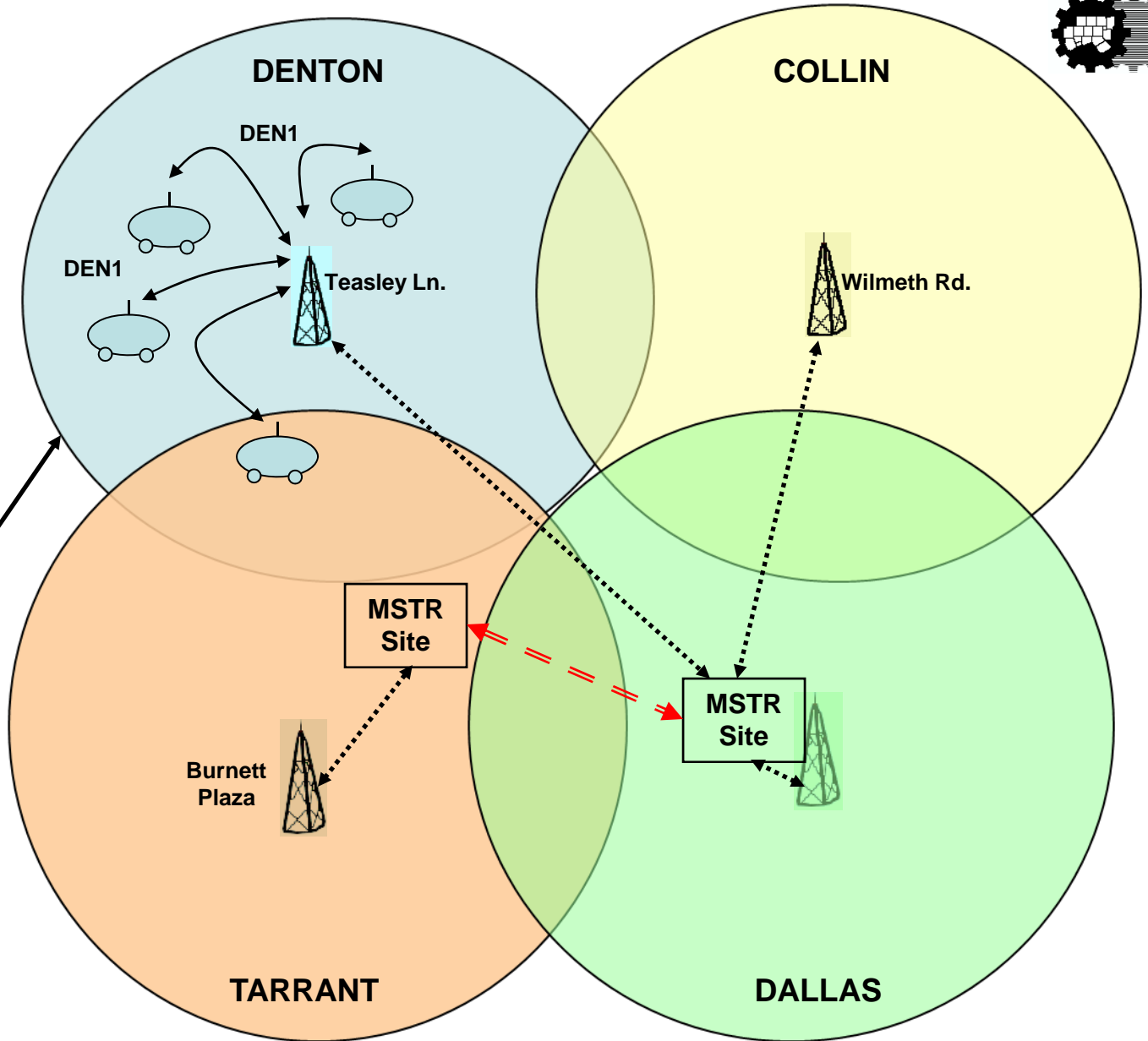




**NCTCOG P25  
700 MHZ  
TRUNKED  
OVERLAY  
SYSTEM**

**FOUR  
TRUNKED  
SITES AND  
TWO  
MASTER  
SITES**

**Overlay TG1  
DEN1 Operating  
via Teasley Ln.**

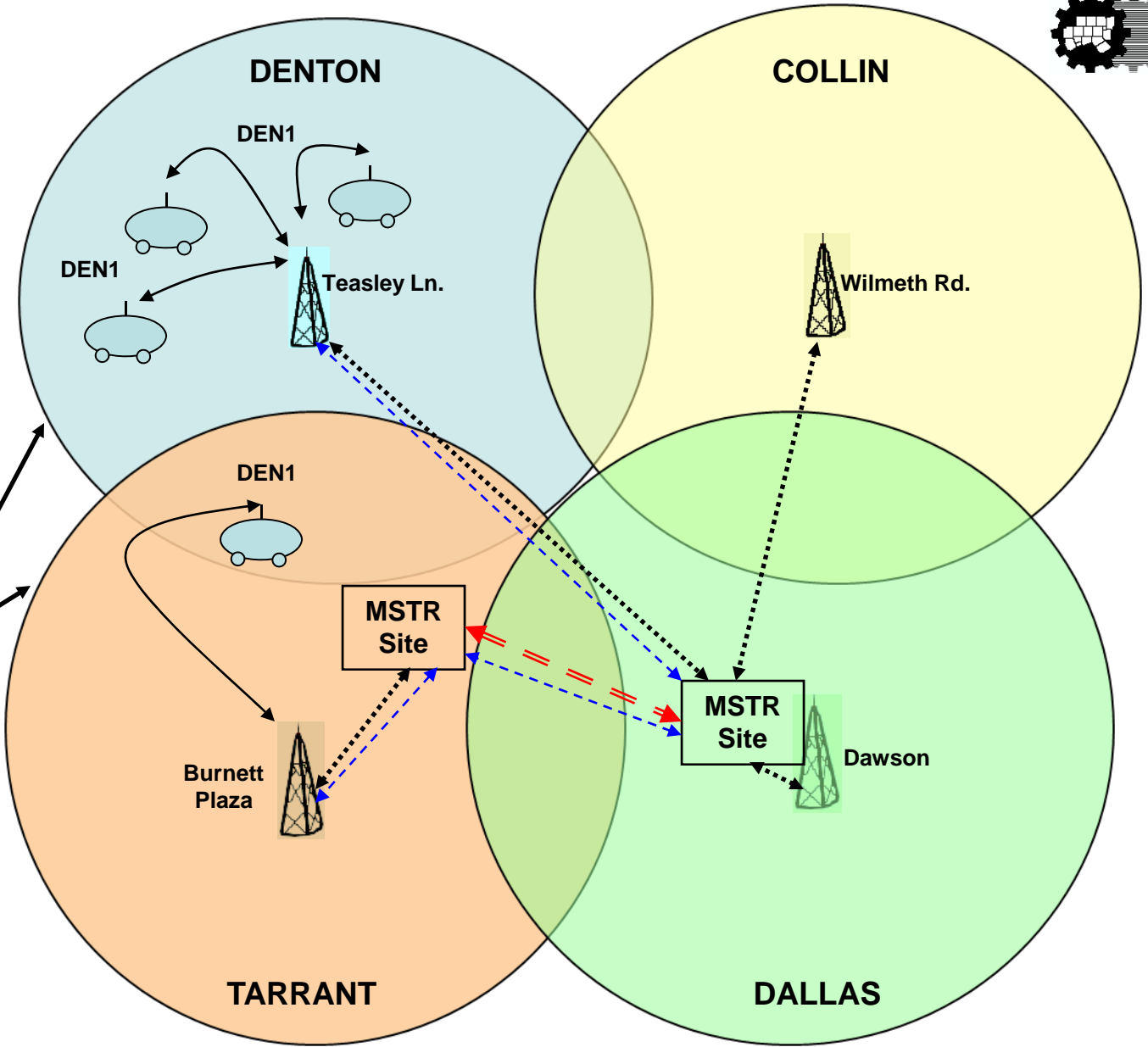




**NCTCOG P25  
700 MHZ  
TRUNKED  
OVERLAY  
SYSTEM**

**FOUR  
TRUNKED  
SITES AND  
TWO  
MASTER  
SITES**

**Overlay TG1  
DEN1 Operating  
via Teasley Ln.  
& Burnett Plaza**

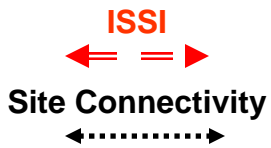
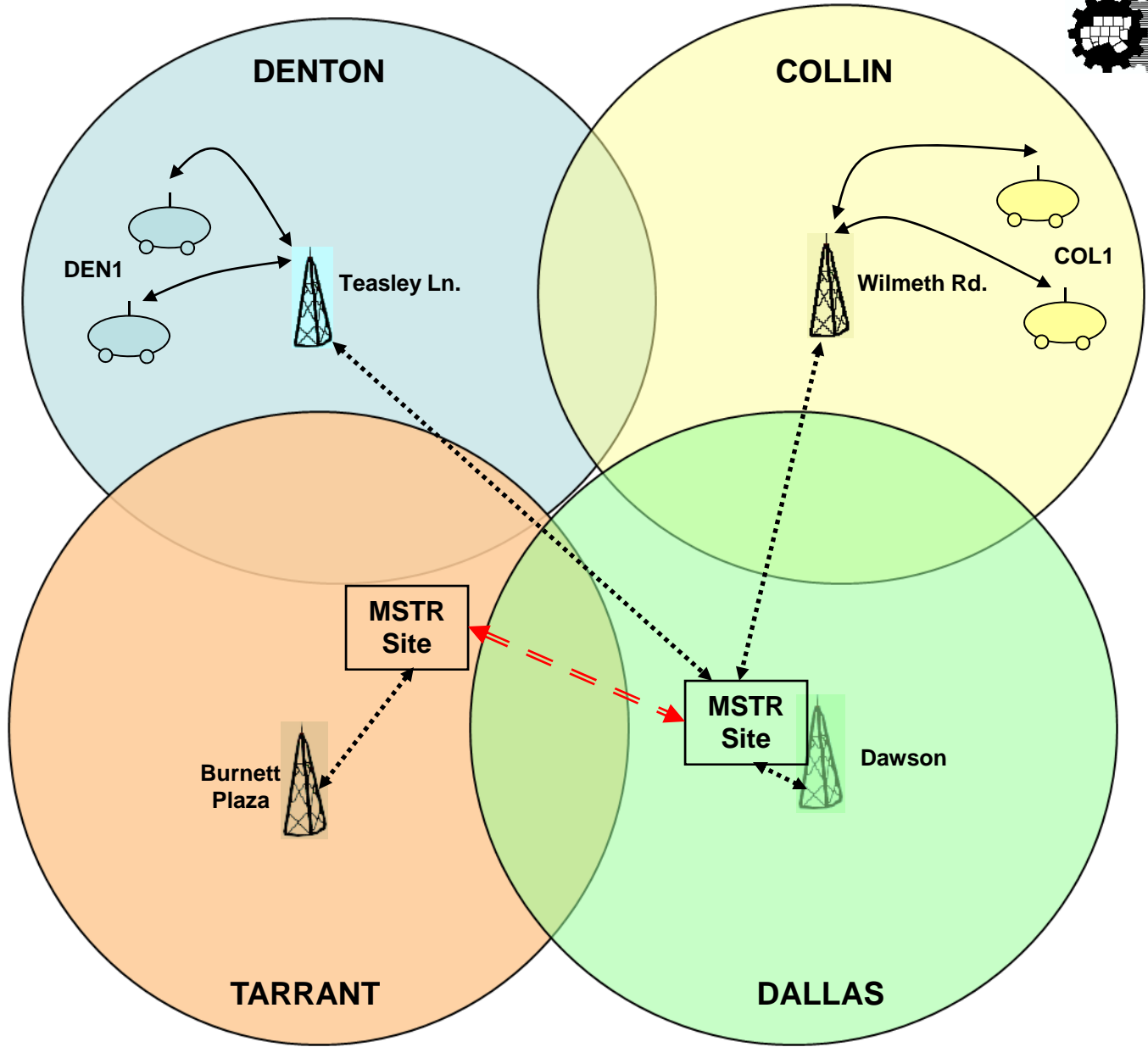




**NCTCOG P25  
700 MHZ  
TRUNKED  
OVERLAY  
SYSTEM**

**FOUR  
TRUNKED  
SITES AND  
TWO  
MASTER  
SITES**

**Denton TG1 &  
Collin TG1  
Operating @  
Respective Sites**

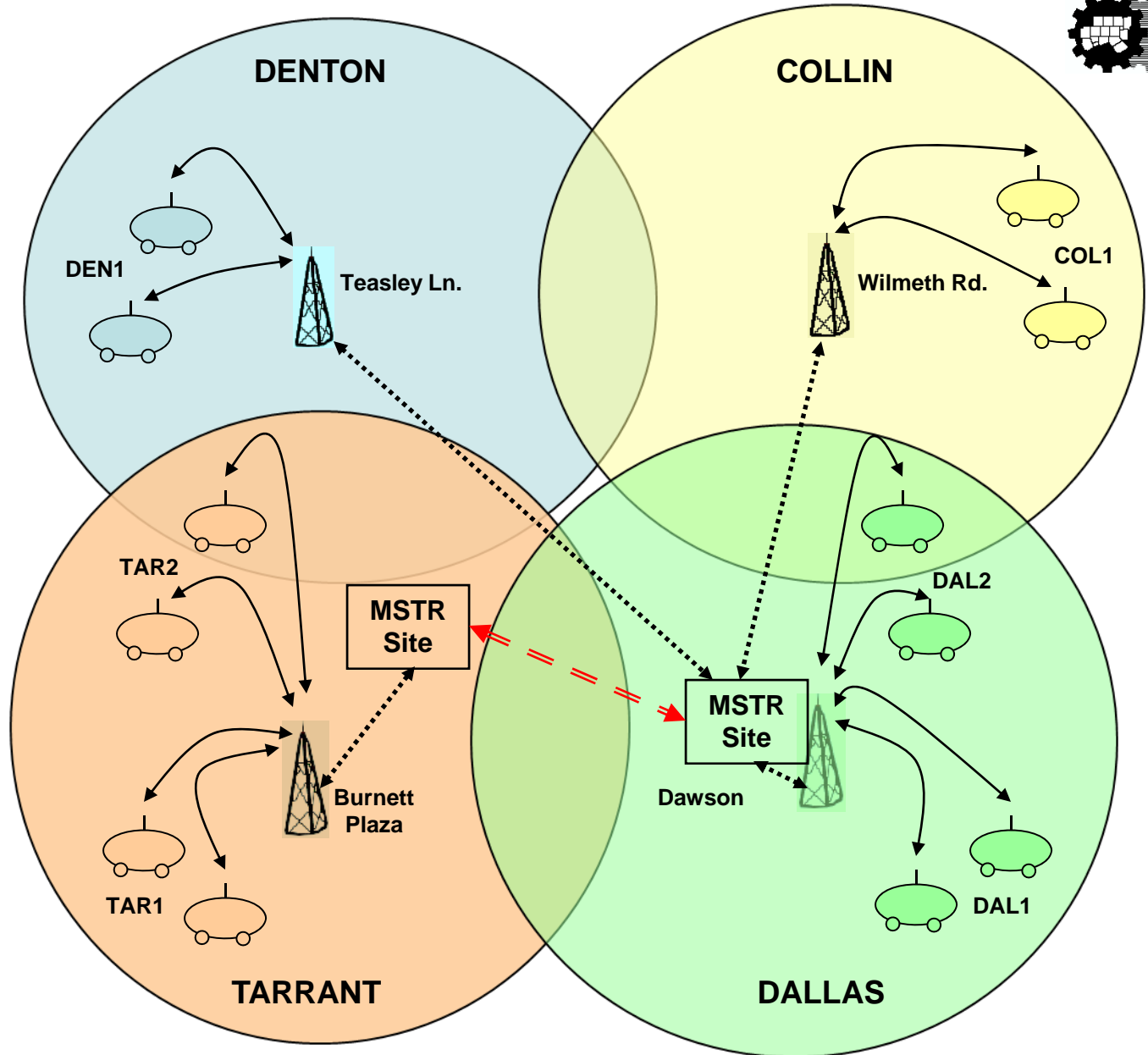




**NCTCOG P25  
700 MHZ  
TRUNKED  
OVERLAY  
SYSTEM**

**FOUR  
TRUNKED  
SITES AND  
TWO  
MASTER  
SITES**

Denton TG1  
Collin TG1  
Tarrant TGs 1&2  
Dallas TGs 1&2  
Operating @  
Respective Sites



**ISSI**



Site Connectivity

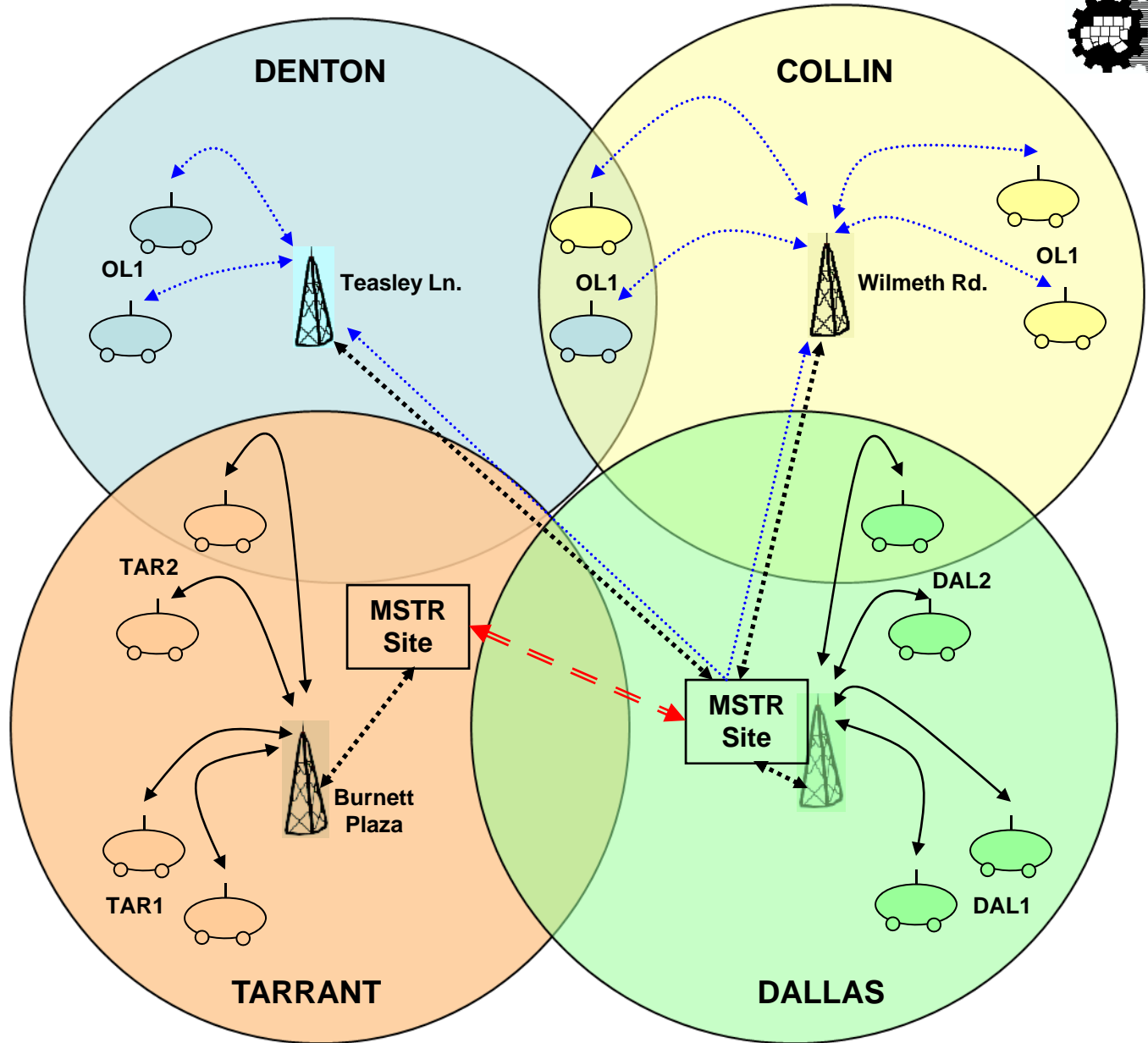




**NCTCOG P25  
700 MHZ  
TRUNKED  
OVERLAY  
SYSTEM**

**FOUR  
TRUNKED  
SITES AND  
TWO  
MASTER  
SITES**

**Regional TG OL1  
Used In  
Denton/Collin  
Tarrant TGs 1&2  
Dallas TGs 1&2  
Operating @  
Respective Sites**



**ISSI**



**Site Connectivity**

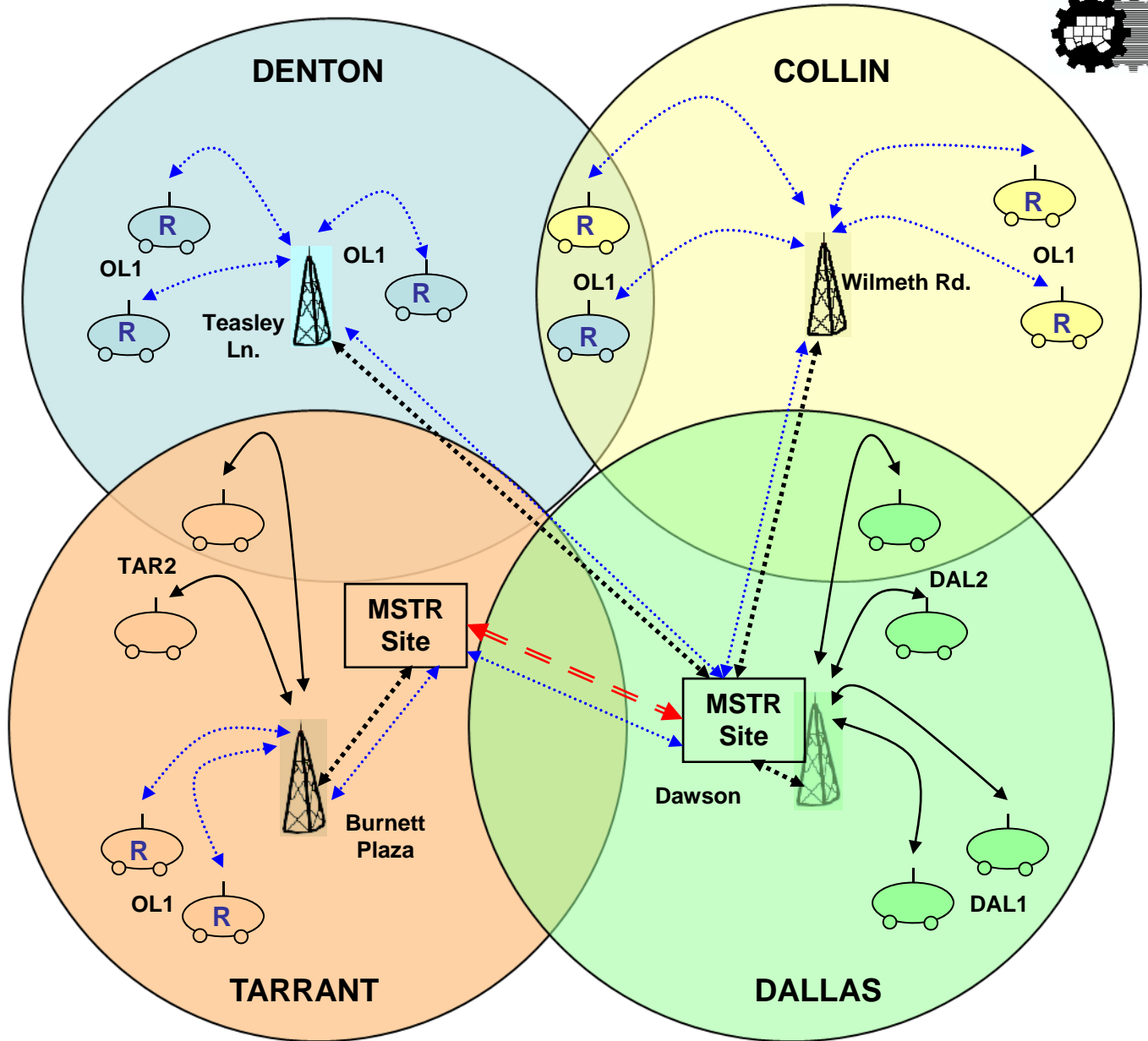




**NCTCOG P25  
700 MHZ  
TRUNKED  
OVERLAY  
SYSTEM**

**FOUR  
TRUNKED  
SITES AND  
TWO  
MASTER  
SITES**

Regional OL1 TG  
Used In Denton  
Collin & Tarrant  
Dallas & Tarrant  
TGs 1&2  
Operating @  
Respective Sites



**ISSI**



Site Connectivity

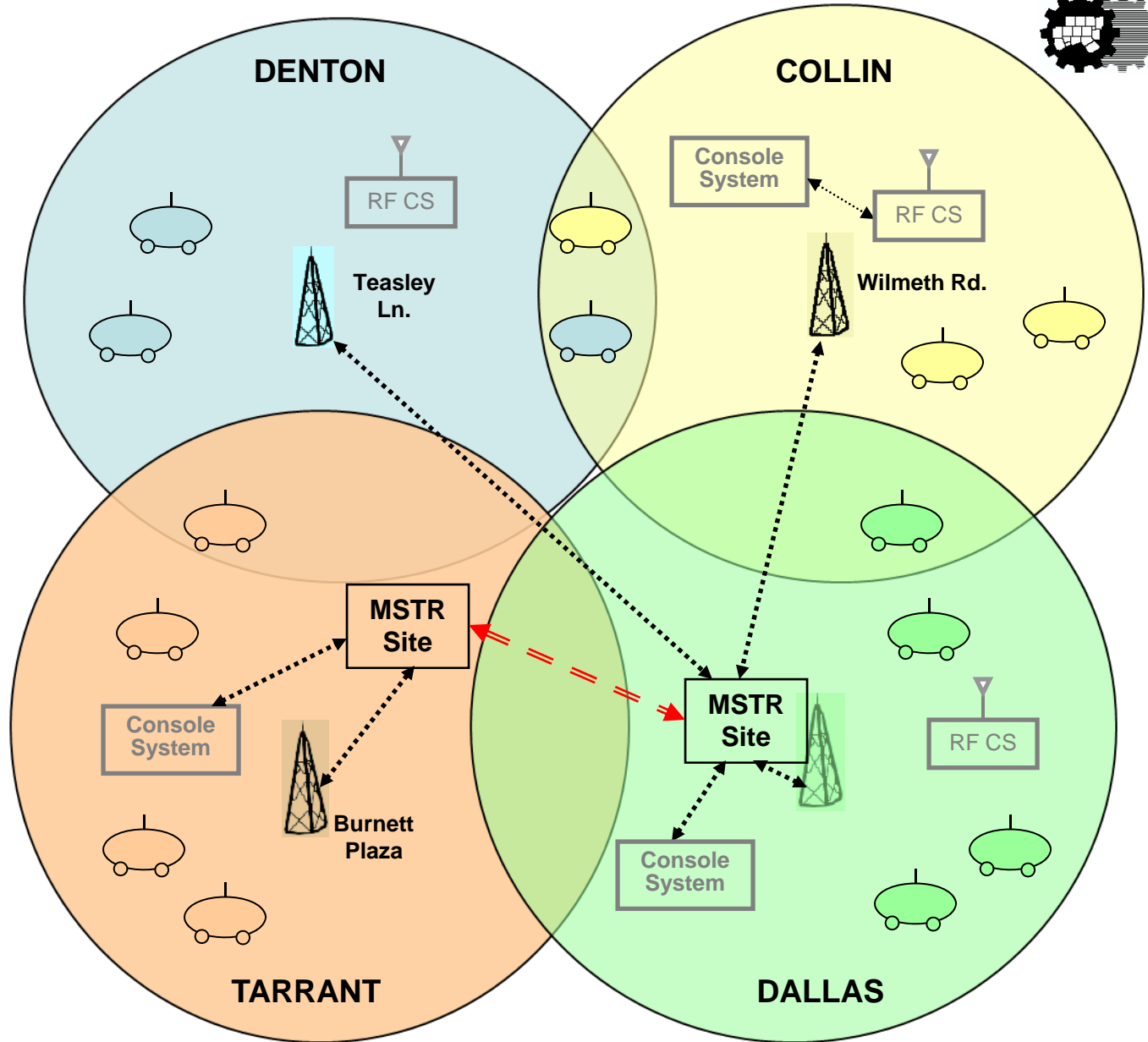




**NCTCOG P25  
700 MHz  
TRUNKED  
OVERLAY  
SYSTEM**

**FOUR  
TRUNKED  
SITES AND  
TWO  
MASTER  
SITES**

**MANY  
OTHER  
SCENARIOS  
POSSIBLE !**



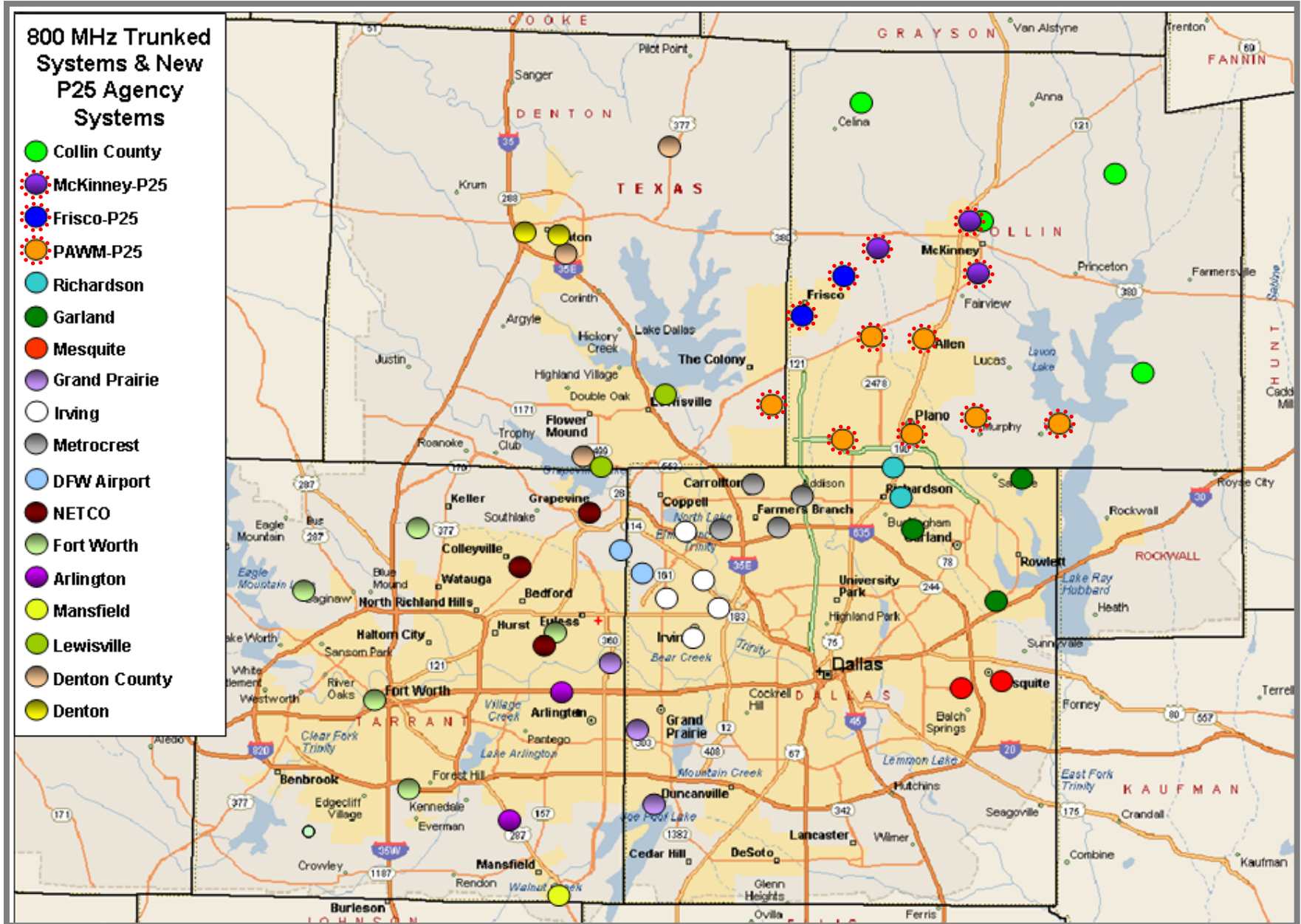
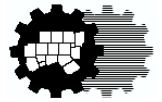
**ISSI**



**Site Connectivity**



# Existing 800 MHz Trunked Radio Agency Systems & New P25 Agency Systems (2010 Operation)



# Regional Interoperable Communications Plan (RICP)

- Required from State – Statewide Communications Interoperability Plan (SCIP)
- RICP must be taken to Executive Board for sign off
- RICP was a template from the state each COG filled in to complete and customize

# RICP areas to be completed

- Section 3.3 RICP Maintenance and Update, waiting on updated website address
- Page 8 Section 4.1 State Governing Body still not defined by the state
- Appendix B is part of PSIC Project and will be added once the Regional Plan from RCC is completed

# RICP Updates

- RICP is living document and can be updated
- CASM will help updating the RICP
- Agencies can update information at any time and are encouraged to keep info up to date