

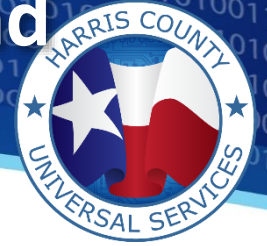


# Texas Interoperable Radio Interconnect System

November 8, 2022

Greg Jurrens – Dir. Public Safety Operations - HCUS

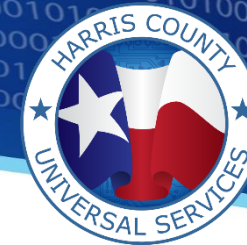
# Interoperable Statewide Emergency Radio Infrastructure Fund



## □ History:

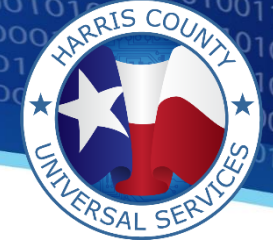
- 2011, the 82<sup>nd</sup> Legislature enacted HB-442 which established the fund through a portion of court fees.
- 2019, the 86<sup>th</sup> Legislature enacted HB-2952 which established the grant program
- In 2020 approximately \$20M in funding was awarded for infrastructure projects. (subscriber radio purchases are not an allowable expense)

# TXICC – State Emergency Radio Infrastructure Grant Project



- ❑ Texas Interoperable Radio Interconnect System – Phase 1:
  
- ❑ GOAL: Connect Texas radio systems
  - Better Situational Awareness
  - Statewide Interoperability - achieving our System of Systems
  
- ❑ Multi-phased Approach
  - Phase I – Connect 5 Major Regional Systems plus 3 test sites together
    - Multiple Vendors, Multiple system types
  - 10+ Statewide Interoperability Talkgroups
  - Phase II+ : Additional coverage and system types

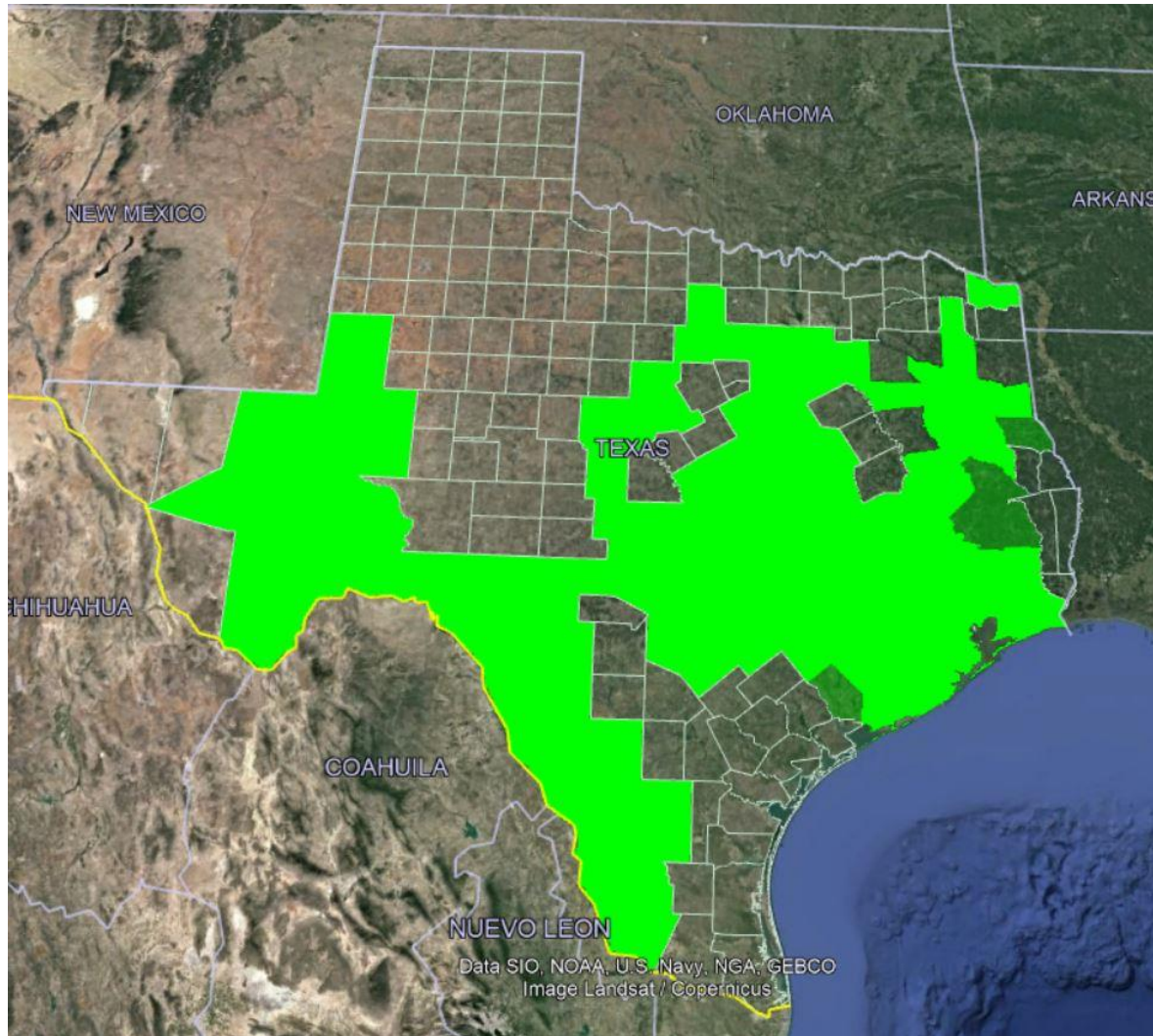
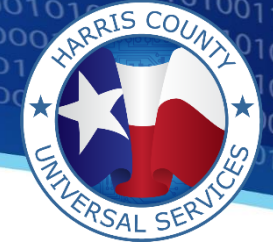
# Status and Next Steps



- ❑ Phase 1 deployments 90% complete
  - Critical Connect Backhaul and HUB Activated
  - Trunked Systems ON-AIR (GATTRS, TXWARN, NTIRN)
  - P25 Conventional Sites ON-AIR (Amarillo DPS, Waco DPS)
  - Analog Site ON-AIR (Palo Pinto County)
- ❑ Remaining Phase I Deployment Tasks
  - LCRA Trunked System Connection – In Final testing
  - System-wide ATP/Signoff
- ❑ Initial Governance Framework at DPS Office of General Counsel
- ❑ Talkpath reservations system is still manual (DPS-SWIC)



# TIRIS – Phase 1



## Trunked Systems:

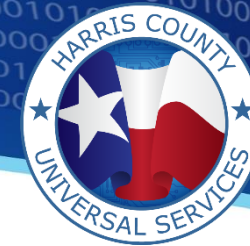
- TXWARN System
- GATTRS
- LCRA
- NTIRN

## Conventional:

- DPS – P25 Conventional
- Palo Pinto County - Analog

***110 Counties Served!***

# Initial Operational Feedback



## ❑ Deployment Challenges

- Broadband Access is NOT universal...yet.
  - LTE connectivity isn't everywhere in rural locations.

## ❑ Operational Results

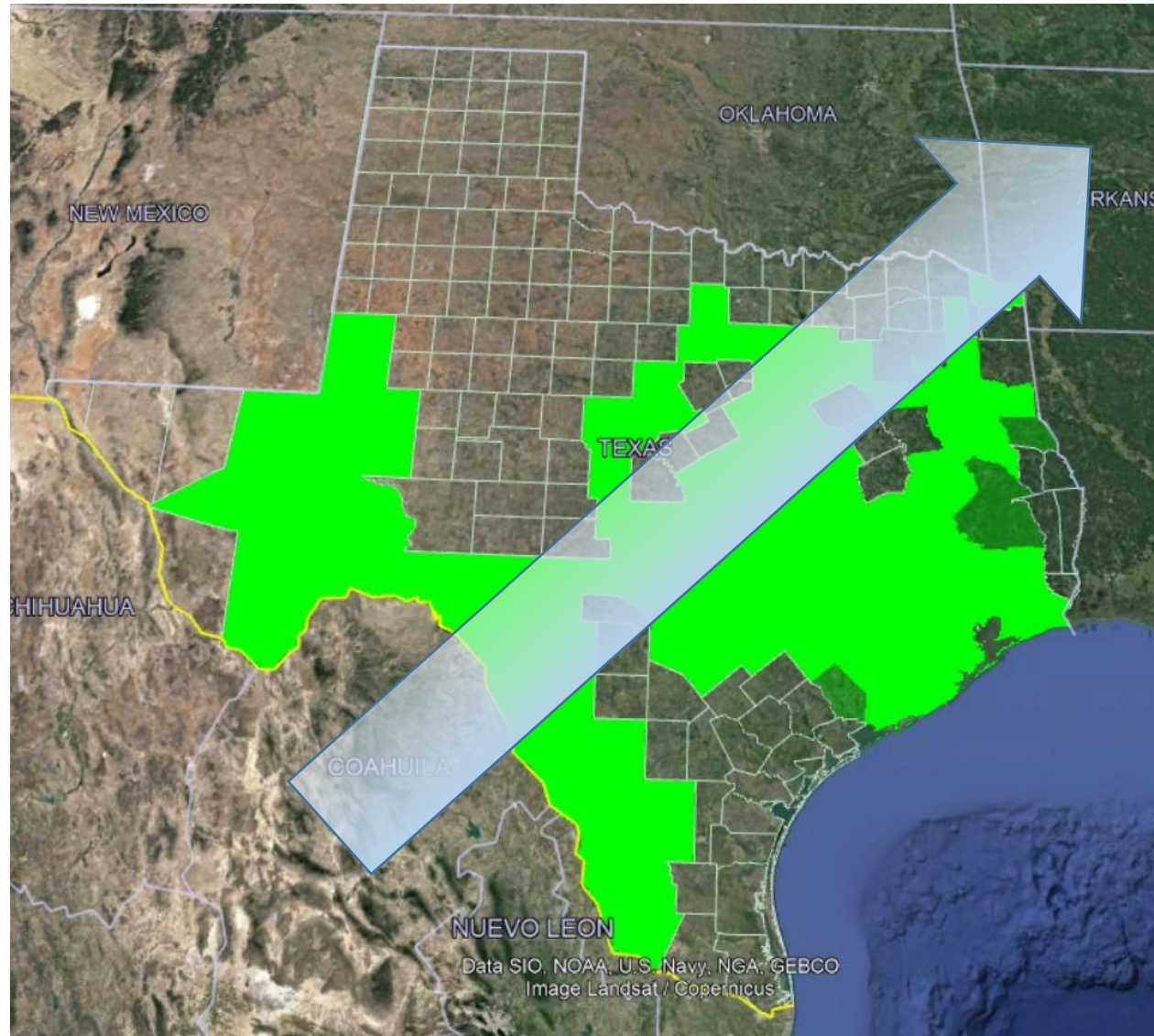
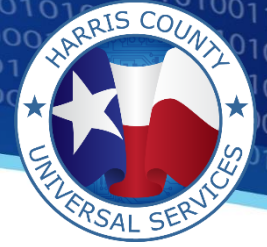
- Audio Quality is exceptional between analog, conventional and trunked systems
- Critical Connect Portal requires vendor intervention. New release in work.

## ❑ Operational Challenges

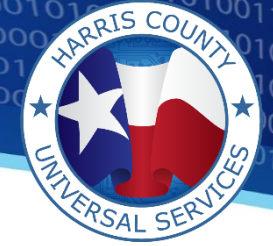
- Local “Patched” talkgroups due to ISSI limitations
- Manual talkgroup reservation
- Cabling for Analog / P25 Conventional Systems



# TIRIS – Use Case: Solar Eclipse 4/8/2024



# Phase II and beyond



- ❑ Phase II funding – Award imminent
  - Renewal of Network Connectivity
  - Talkpath reservations system planned for 2023
- ❑ Final Governance Framework
  - Published Governance and MOUs
  - System and Agency SOPs
- ❑ Potential Phase III Planning
  - Additional areas proposed
    - San Antonio Metro
    - Border Regions – Lower Rio Grande
    - Coastal Areas – SETTRS, Corpus Christi
  - Deployable Support for TIRIS
- ❑ 2 State Agencies evaluating “Daily Driver” talkgroups for Statewide Situational Awareness





# QUESTIONS?

