



Public Safety Block

700 MHz State License

SoNM License (WPTZ778)

- 1/18/2002: License Granted
- 9/12/2008: License became effective
- 6/13/2014: 1st Performance Benchmark Due (deadline missed with no report) – FCC unable to contact SoNM
- 4/20/2015: FCC Served Notice of intent to cancel license
- 5/14/2015: Cancellation Deadline (currently pending)

Benchmark 1 Compliance Plan

- Immediate procurement and deployment of hardware for
 - Single channel 700 MHz repeater on Sandia Peak
 - P25 (Phase I) Conventional Repeater
 - Tied into New Mexico State Police dispatch center & made available to other locals. Will simulcast Albuquerque State Police Main and can also be used as a mutual aid repeater when needed between Albuquerque State Police and Albuquerque area local agencies.
 - Serving Bernalillo and Santa Fe Counties and parts of Valencia, Torrance and Sandoval counties (Pop. 812,080+ of 2.09 Million)—Makes the substantial service requirement based on 1/3 population (See population density breakdown next slide)

Population Density & Distribution

- State of New Mexico Population: 2,059,000
- 1/3 Population = 686,333
- Areas Served By 700 MHz Pilot Project and associated population
 - Bernalillo County (Albuquerque and area): 662,564
 - Valencia County (Los Lunas, Belen): 76,569
 - Portion of Socorro County (Abeytas): 5,000
 - Portion of Santa Fe County (City of Santa Fe): 67,947
- Population Served = 812,080 (39.44%)
- Statistics based on 2010 census population data.
- Area served also includes a critical portion of the I-25 corridor between Santa Fe and Belen

Benchmark 1 Compliance Plan

Technical Details

Site: Sandia Peak: N35:12:57.200, W:106:27:05.000

HAAT: 1263.7 Meters

Antenna Height: 120 Ft

Antenna: Sinclair SC479HF1LDF Low PIM, Omni, 9 dBd

Station: Motorola GTR8000 Dual Mode Capable

Mode: P25 Phase I, Narrowband, Full Duplex per 47 CFR 90.535(a)

Frequency: Base TX: 769.95625 (Channel 153) Base RX: 799.95625 (Channel 1113) *State License Frequency

TX Power: Limited to 70 Watts ERP per 47 CFR 90.635(b) due to antenna HAAT

Benchmark 1 Compliance Plan

Status:

- All Equipment has been purchased (as of 6/15/2015)
- Expect delivery before FY End (June 30th)
- Expect Installation around September 2015
- Expect field testing around October 2015, including coverage drive testing
- Filing Schedule K with FCC and requesting waiver of missed 1st Interim benchmark deadline.
- Next steps will be determined based on the results of the application for waiver

Coverage Prediction – 700 Sandia

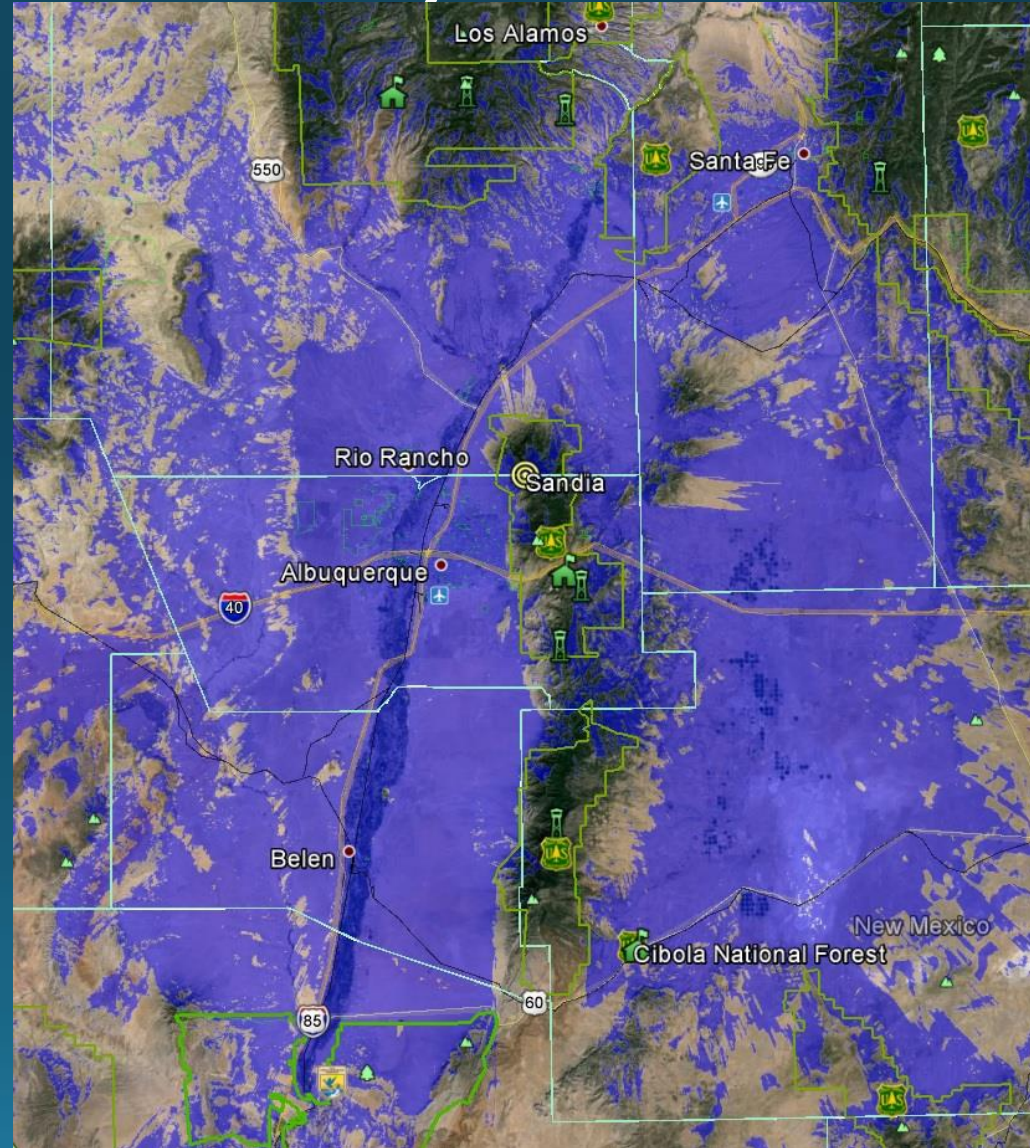
System Coverage Prediction

Blue Areas represent outbound signal strengths of -110 dBm or higher, P25 Phase I, Narrowband, Outdoor Mobile Service

6.25 kHz Narrowband Phase I P25 (Per 47 CFR 90.535(a))

TX Power 70 Watts ERP (Per 47 CFR 90.635(b)) based on antenna height AAT

Coverage based on outdoor mobile service



Next Steps

- The State of New Mexico is currently and aggressively generating a state-wide LMR modernization plan
- 700 MHz may play a key role in this plan
- We are working to re-establish the 700/800 MHz regional planning committee. The first meeting has been scheduled.
- We are seeking local agency partnerships in an effort to build out a state-wide network in which 700 MHz could be a key asset
- We are planning ahead to ensure compliance with the 2019 benchmark requirements

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