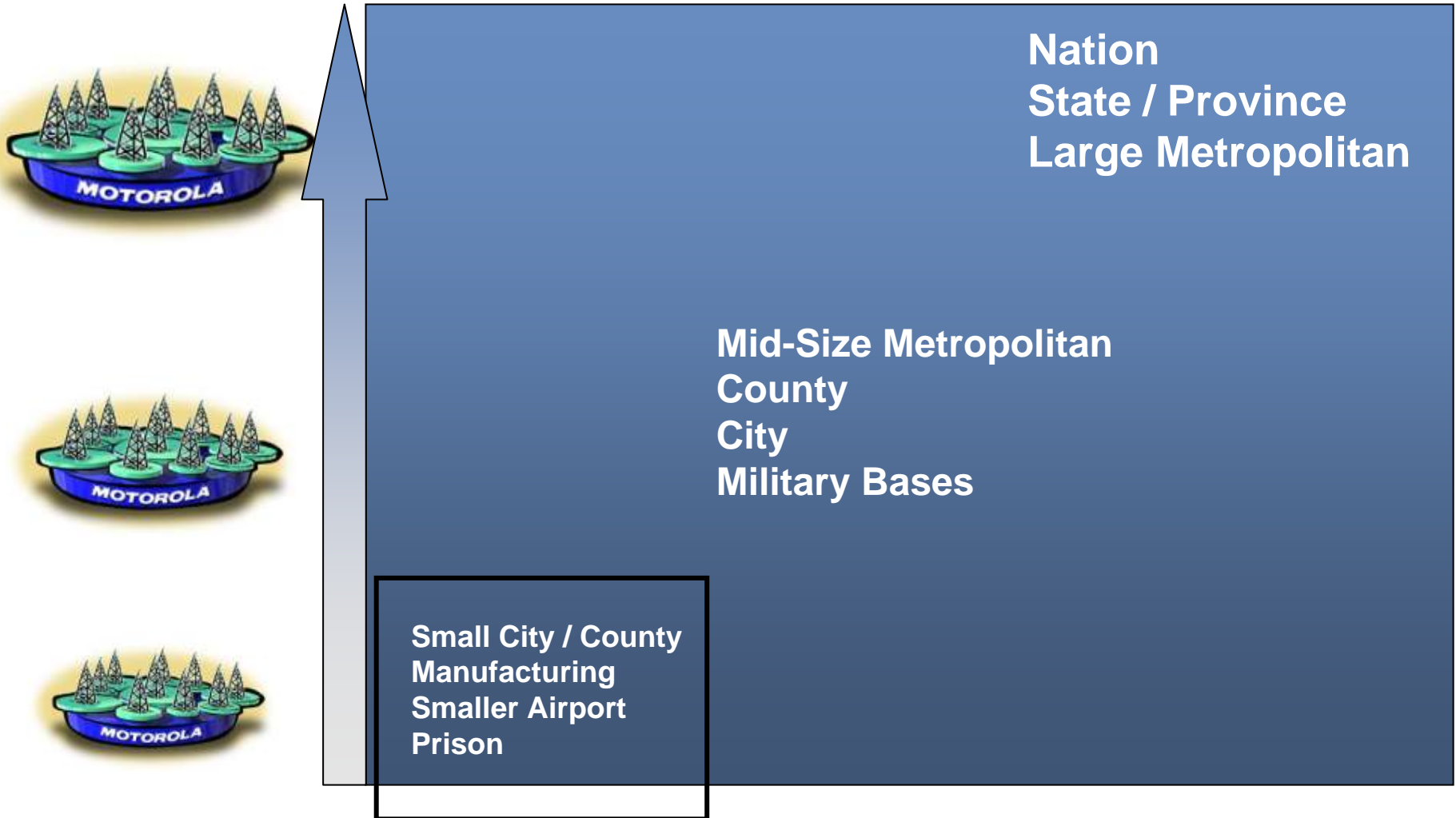


# ASTRO 25 – A Scalable Solution



# *Recognizing the changing needs of communities and on site operations*



Local Public Safety

Response to Natural Disaster



## **Motorola's ASTRO 25 System Solutions:**

- Provide both entry level or expanded feature solutions
- Greater feature flexibility

- Integration of new technology
- Coverage expansion as needed

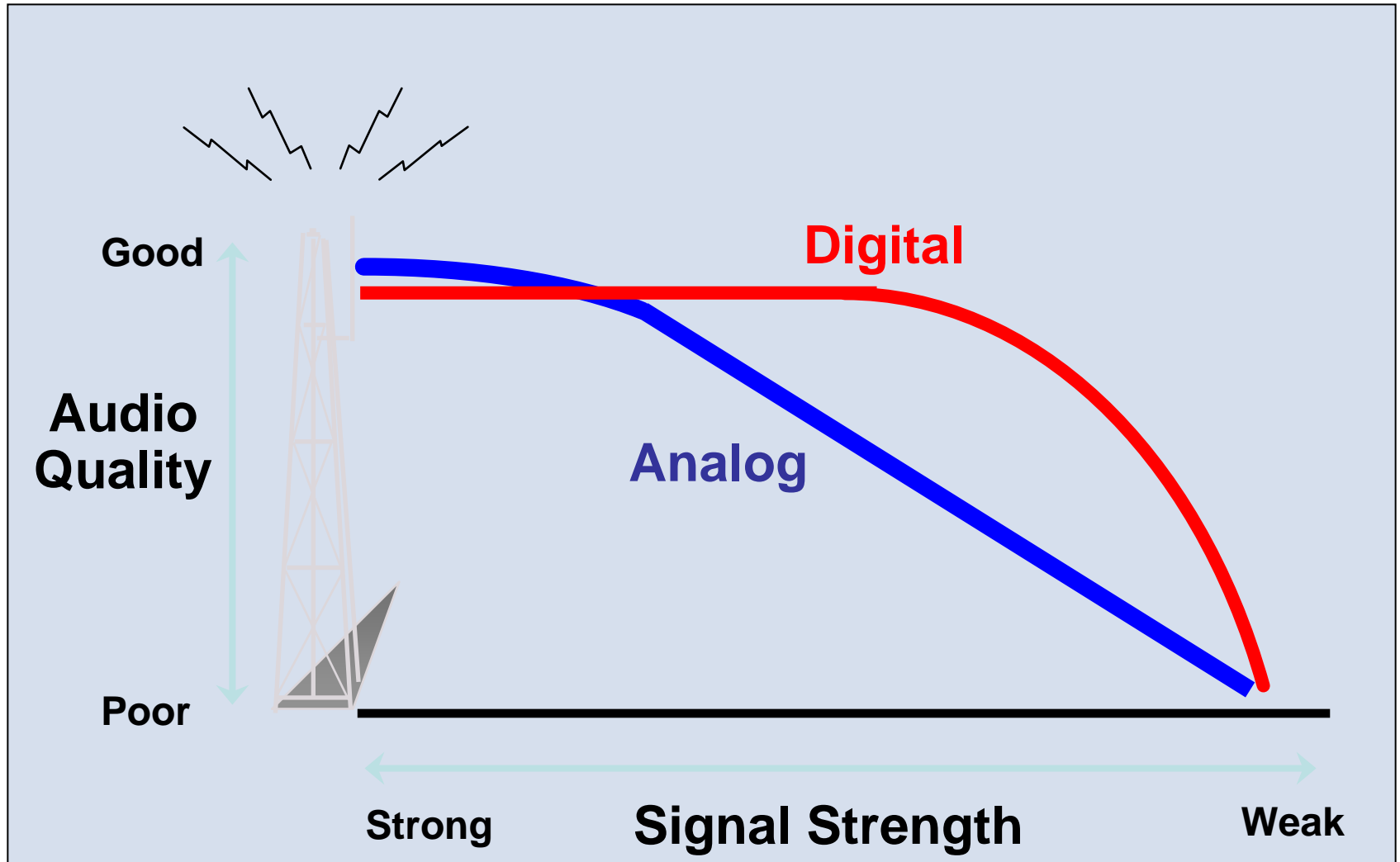
- Provides scalable architecture
- Smooth migration to multi site solution

Correctional



On Site

# Improved Audio Quality



# ASTRO 25 Mission Critical Model for Public Safety Communication IP Networks



Updated data device needed



**Somewhat Reliable Voice  
Communications**

+

**ASTRO 25  
Optimized IP Network**

=

- ☐ Optimal Use of Bandwidth
- ☐ Guaranteed Voice Delivery
- ☐ Fast Call Set-Up
- ☐ Reliable Call Processing
- ☐ Guaranteed Performance
- ☐ Under Peak Loads

# ASTRO 25 IP Networks

## Standard IP Characteristics

- o Data communications call model
- o Unit to unit telephony
- o Slow system access time
- o Reduced voice quality during peak conditions
- o Slow recovery from failure
- o Basic quality of service

## ASTRO 25 Network Enhancements

- + Enhanced packet delivery
- + Fast recovery from failure (<2 sec)
- + Voice priority messaging
- + Optimized quality services
- + Multicast IP operations

## Public Safety Unique Network Reqt's

- = Guaranteed Voice delivery
- = Fast call set up (1<)
- = High grade reliable
- = Enhanced quality
- = Group dispatch
- = End-to-End encryption
- = Future growth

# ASTRO 25 Capabilities and Advantages

Capabilities	Broad set of features to meet the operational needs of daily activities	Clear voice and superior voice encryption	Investment Protection: <ul style="list-style-type: none"><li>- ASTRO 25 Subscribers</li><li>- CENTRACOM Gold</li><li>- QUANTAR Stations</li></ul>	Complete support of customer communication needs
Advantages	Voice to data features services provide customers with ability to streamline resources	Ensures that critical messages are received and that user privacy is met	Allows past investments to support today's communication needs	From coverage and system design to final install, coverage testing and long term service - Motorola ensures communication needs are met