



# Agreement for the Upgrade of the Radio Communication System

March 22, 2010

# What we have now – Two Radios

## 500 Megahertz (MHz), Paratransit Service



- approximately 30 - 35 years old
- slated for replacement twice
- technology is very old
- system offers few features
- maintenance is difficult and expensive
- long recovery time if major events occur
- rendered useless by FCC narrow-banding project

## 800 Megahertz (MHz), Fixed Route Service

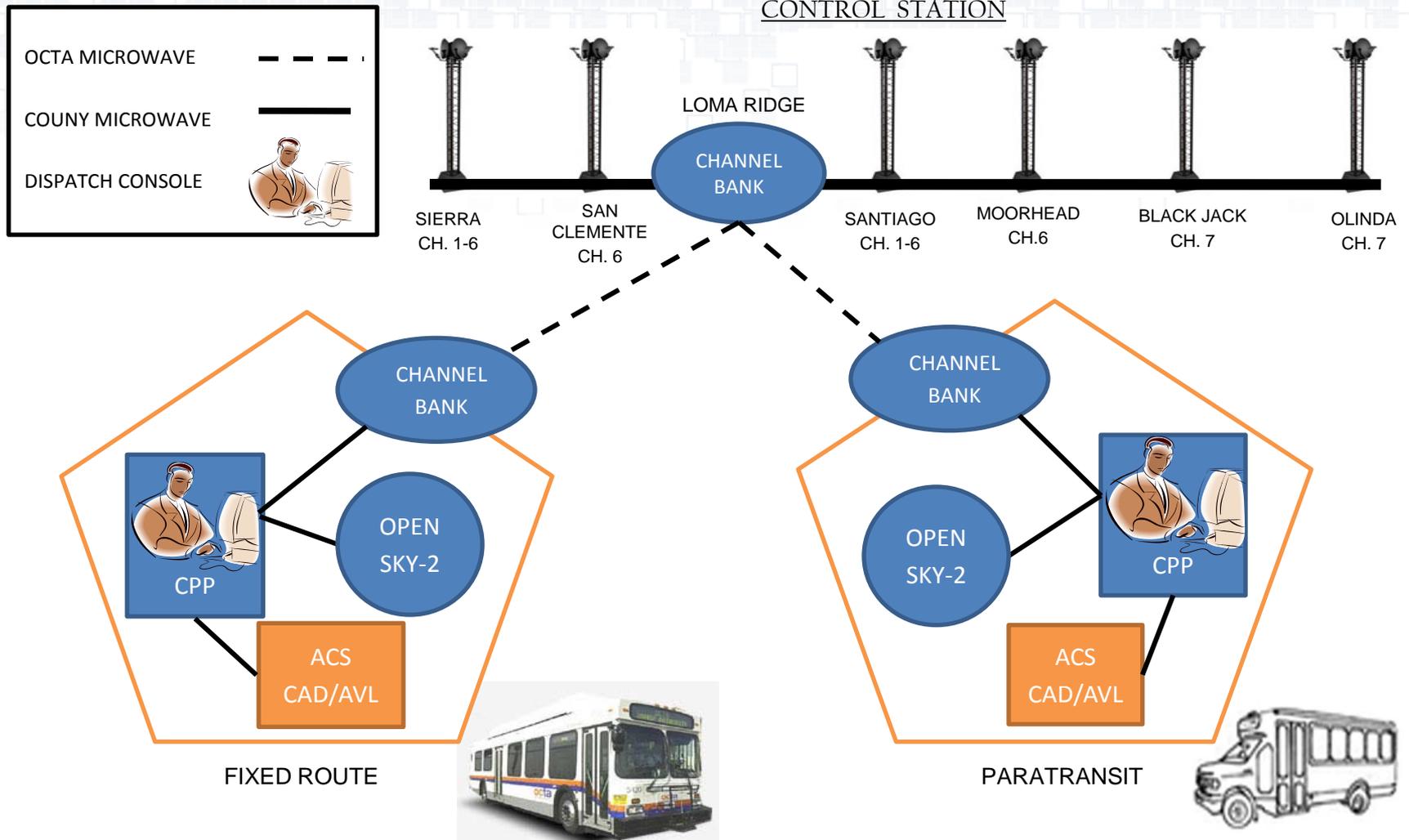


- M/A-COM RF system
- ACS SmartTrack CAD system is 10 years old
- mobile radios (M801) and system (OpenSky1) are both obsolete
- SmartMDT mobile data terminal is obsolete
- expansion is limited
- system continues to suffer from interference issues

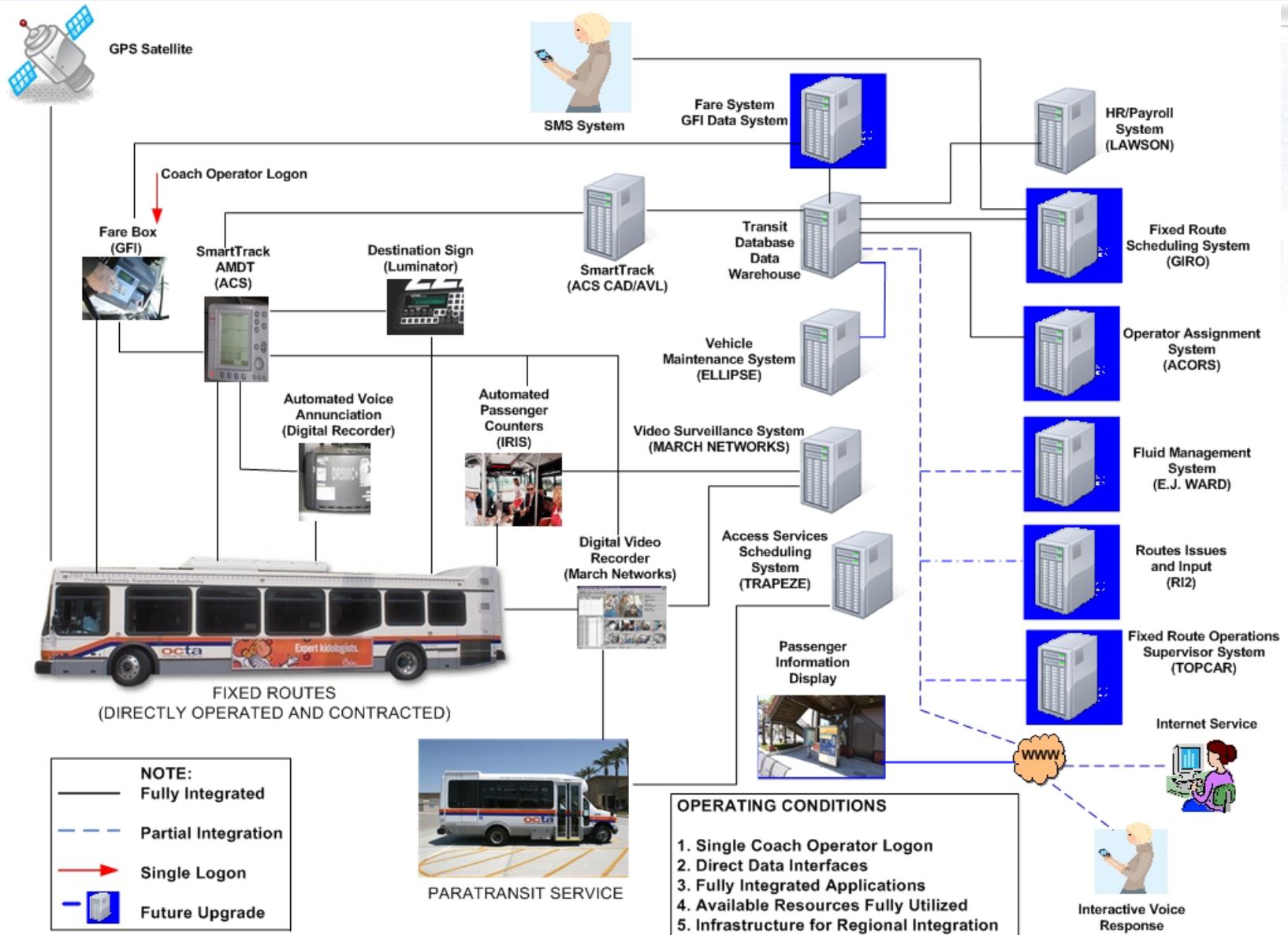


# What will we have – One Radio

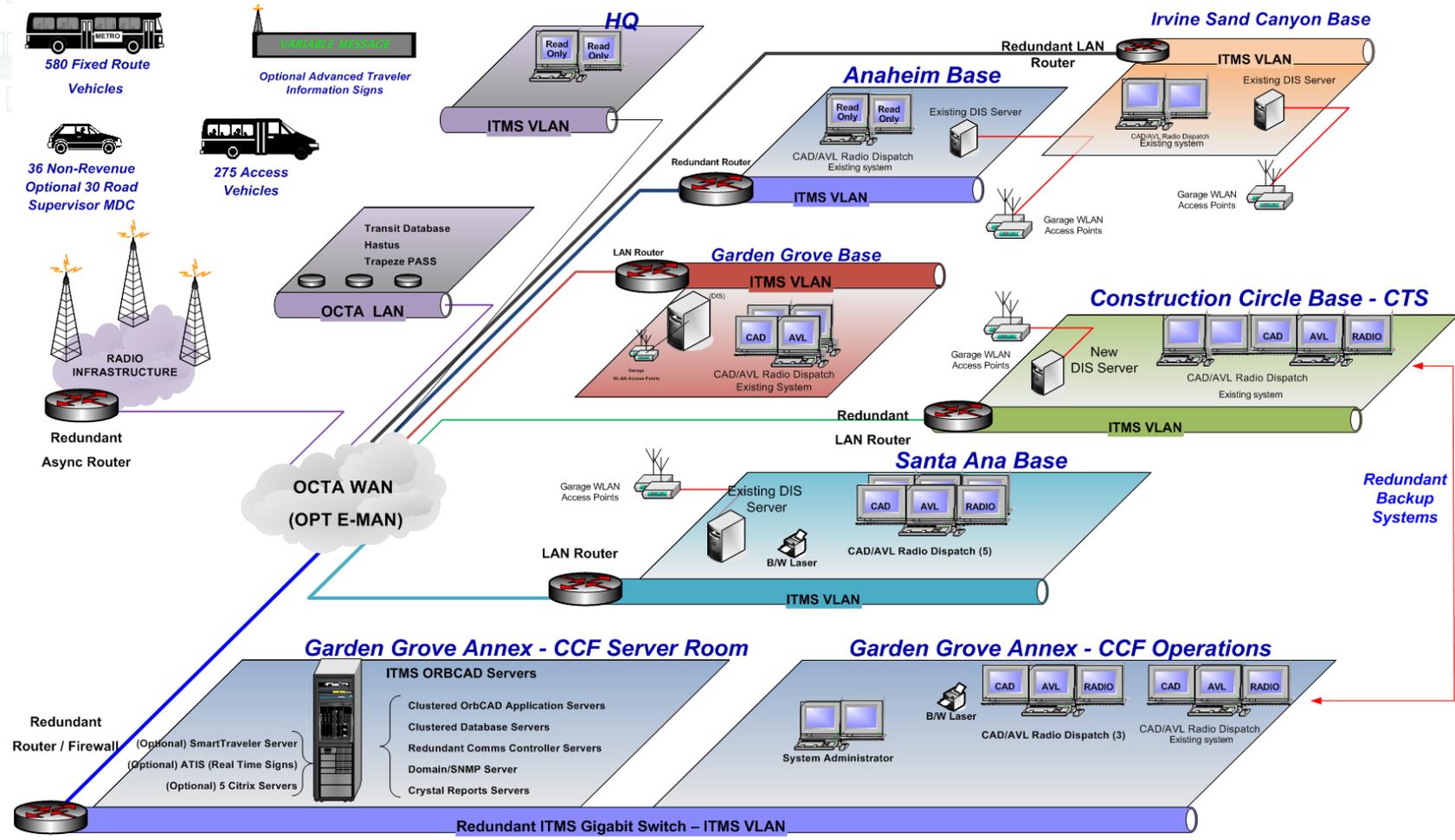
- One Integrated radio system for directly operated fixed routes, contracted fixed routes, and paratransit services with complete redundancy



# What we will have - Fully Integrated System



# What is it – Intelligent Transit Management System



# How much will it cost?



# What are the benefits?

- Replace our aging system
- Enhance security and safety
- Integrate all services under one radio system
- Integrate all in-vehicle systems to provide single logon capability with data verification
- Share real-time information in all four major components of operation
- Elevate our SMS system to real-time next vehicle arrival time
- Provide executive reporting system
- Take advantage of emerging technology for better and more efficient and effective operation



# Next Step

- March 2010 - Approve Sole-Source Procurement with ACS for radio upgrade
- April 2010 – Radio Upgrade Project Kick-Off
  - 04/23/10 – Requirements Review
  - 10/22/10 – Software Development
  - 09/21/10 – Hardware Configuration
  - 02/07/11 – Factory Acceptance Testing
  - 04/05/11 – First Article Installation
  - 05/25/11 – Fixed End Installation
  - 01/05/12 – Vehicle Installation
  - 02/19/12 – System Testing
  - 04/19/12 – System Acceptance
- April 2012 – Project Completion

# Questions?

Thank You!

Erin Rogers

Asst. General Manager, Transit Division

Joe Vicente

Program Manager, Transit Division