



# Flagler County Radio System

Current Status & DRAFT Expansion Plans

Rolf Preuss, ENP, FPEM

9-1-1 Coordinator/Radio Systems Manager

# Flagler County Radio System

- 800 MHz Trunked System operating on five (5) radio tower sites with eight (8) channels operating at each site
- A relay site provides communications from Government Services Complex to the system
- System includes a stand-alone eight (8) channel backup site for completely redundant operation should the primary trunked system fail



# Flagler County Radio System - Users

- Serves all Public Safety agencies countywide
- Serves all Municipal agencies countywide
- Serves select Public Safety agencies from adjoining counties
- Serves select State of Florida Public Safety agencies
- Provides interoperability to every 800 MHz agency
- Does not serve the Flagler County School Board

# Flagler County Radio System - History



- The Radio System was purchased in 2005
- 800 MHz Trunked System which uses a proprietary, vendor specific standard - EDACS
- Board required that specs followed the State of Florida Law Enforcement Radio System (SLERS)
- Financed with a Public Safety Capital Improvement Revenue Note (2020 Maturity)



# Flagler County Radio System - Status

- A new Interoperability Standard: Project 25 (mandatory for federal grant funding, virtually every new system is P25)
- Standard being used by St. Johns County, Duval, Clay, Nassau, Volusia (future), etc.
- Radio System not P25 compatible, but Radio System is P25 capable (enhancement)

# Flagler County Radio System - Status

- Manufacturer announced EDACS **End of Life**  
(Notice given for EOY 2017)  
- System will not explode or evaporate 1-1-2018, but no more manufacturer level support/parts
- Vendor support for additional three years, more if parts are available
- Is this 'Public Safety Grade Communications'??

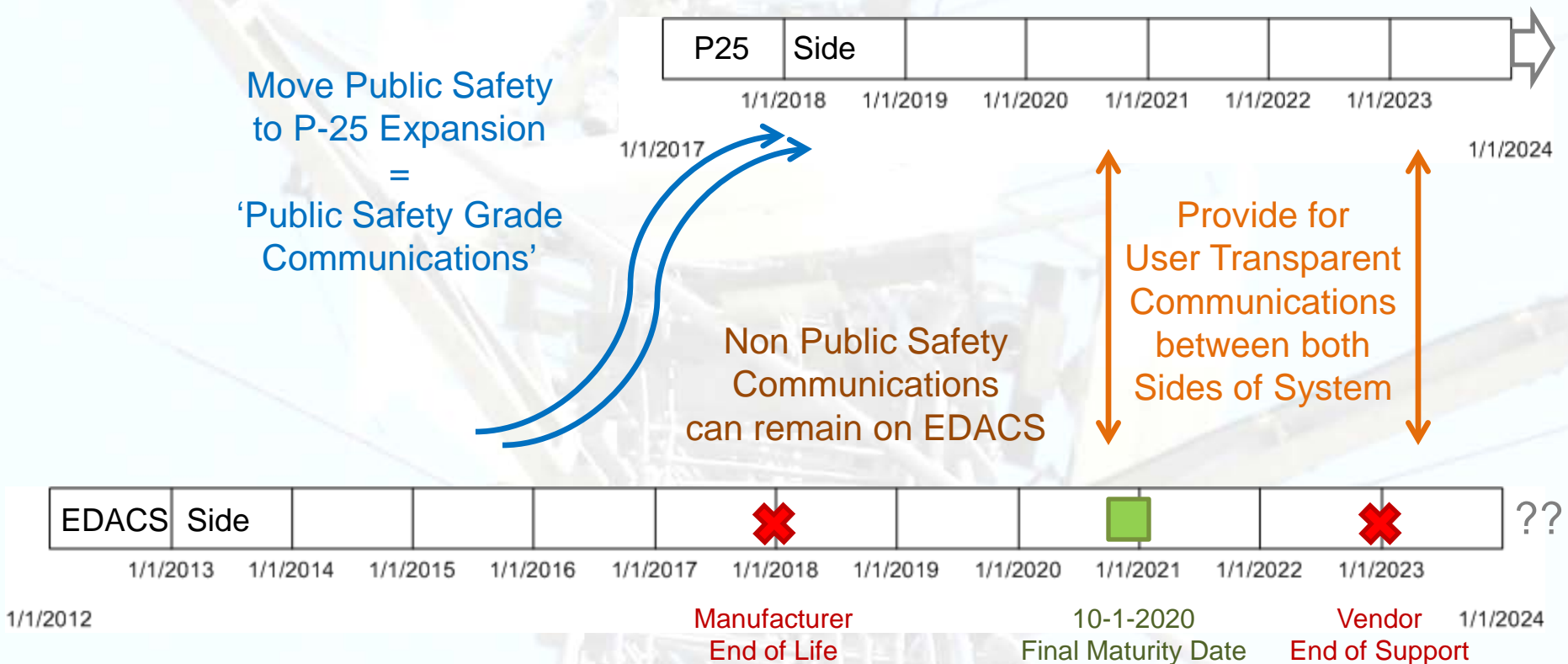


# Flagler County Radio System – Review of Preliminary Options

1. Run System until 2017 and beyond (2022+)
2. Run System until 2017 and **Replace** with P25
3. **Expand** System in phases with **P25 channels**
  - Run EDACS side until 2020 and beyond &
  - Provide Public Safety Grade Communications

# Flagler County Radio System

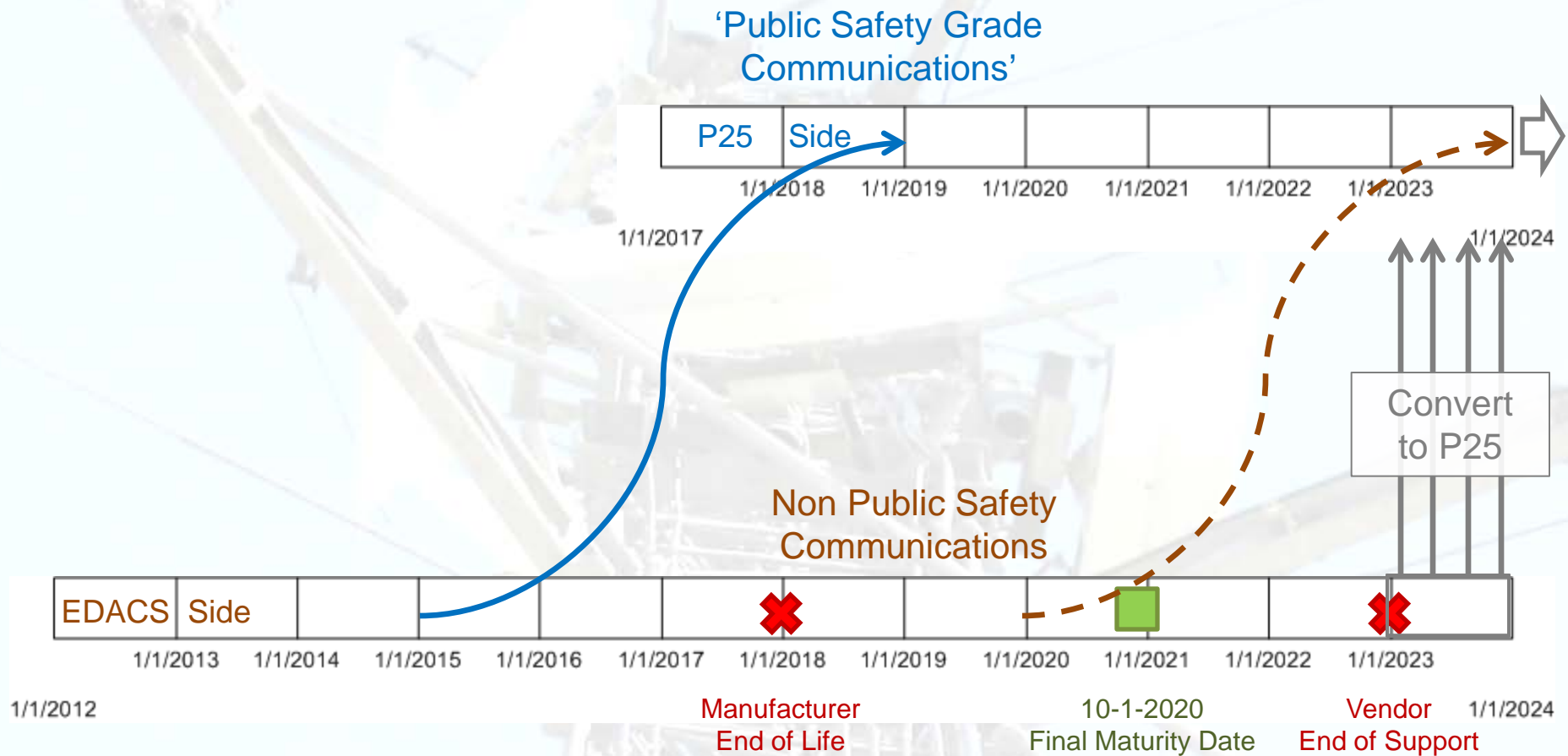
## Possible Expansion Scenario (Option 3)





# Flagler County Radio System

## Possible Expansion Scenario (Option 3) (cont.)



## Expansion Option 3 - Benefits

- Keep existing System **until well paid off AND** Provide Public Safety Grade Communications
- Only Public Safety needs new User Radios
- Existing and replaced Public Safety Radios can be used for Non Public Safety Communications
- Hybrid system can be run indefinitely **OR** can be merged into a single P25 System later

## Expansion Option 3 - Negatives

- Cost of Radios for Public Safety  
(less costly than replacement of **ALL** radios in case of System Replacement)
- Cost of ordering both P25 and EDACS options for user radios (until transition is completed)

# Flagler County Radio System – Review of Preliminary Options

1. Run System until 2017 and beyond (2022+)
2. Run System until 2017 and **Replace** with P25
3. **Expand** System in phases with **P25 channels**
  - Run EDACS side until 2020 and beyond &
  - Provide Public Safety Grade Communications

## **Steps to take**

1. Form a staff level Working Team with user agency partners
2. Identify and Research All Options
3. Identify Best Options to maintain 'Public Safety Grade Communications'
4. Provide Options and Recommendations to BoCC for Consideration

# Questions



Rolf Preuss

386-313-4265

[rpreuss@flaglercounty.org](mailto:rpreuss@flaglercounty.org)