



# Creating Connected Vehicle Pilot Deployment Concepts

*Moderator:*

Jeff Spencer (FTA)

# Purpose of this Session

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- **Describe the Pilot Deployment Concept Development Process**
  - Identify Local Needs
  - Set Performance Goals
  - Select CV Applications That Work Together Meet Those Goals
- **Provide Example Pilot Concepts from Hypothetical Locations**
  - Hypothetical, but realistic examples of localities applying the pilot deployment concept development process
- **Examples Are Technology and Communications Media Neutral**
- **These Examples Are NOT Templates**
  - USDOT does not seek pilot deployments identical to these examples
  - USDOT seeks pilot deployments tailored to local needs and goals



# Pilot Deployment Concept Development Process

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- **Needs**

- Driven by the needs of multiple stakeholders
- Related to one or more safety, mobility, or environmental issues

- **Goals**

- Directly relate to needs
- Quantitative, measureable, meaningful
- Concise list of a “few good measures” with stakeholder buy-in

- **CV Apps**

- Selected to work together to cost-effectively meet pilot deployment goals
- Integrated into operational practice as permanent deployed features

# Deployment Concepts in this Session are Hypothetical Results of a Local Process

- **The Pilot Deployment Concept Development Process is paramount, not the concepts**
- **Example Pilot Deployment Concepts in this Session are:**
  - Used only to illustrate the pilot development
  - Hypothetical and do not reflect preferred deployment concepts
  - Realistic enough to surface related goals and needs, and potential synergies from multiple connected vehicle applications
- **These Examples Are NOT Templates**
  - USDOT does not seek pilot deployments identical to these examples
  - USDOT seeks pilot deployments tailored to local needs and goals

Q: What do Downtown Sunnyside, the Halleck Expressway, the I-876 Corridor, District 13 and Greyhound County all have in common?

A: They are only examples, not templates

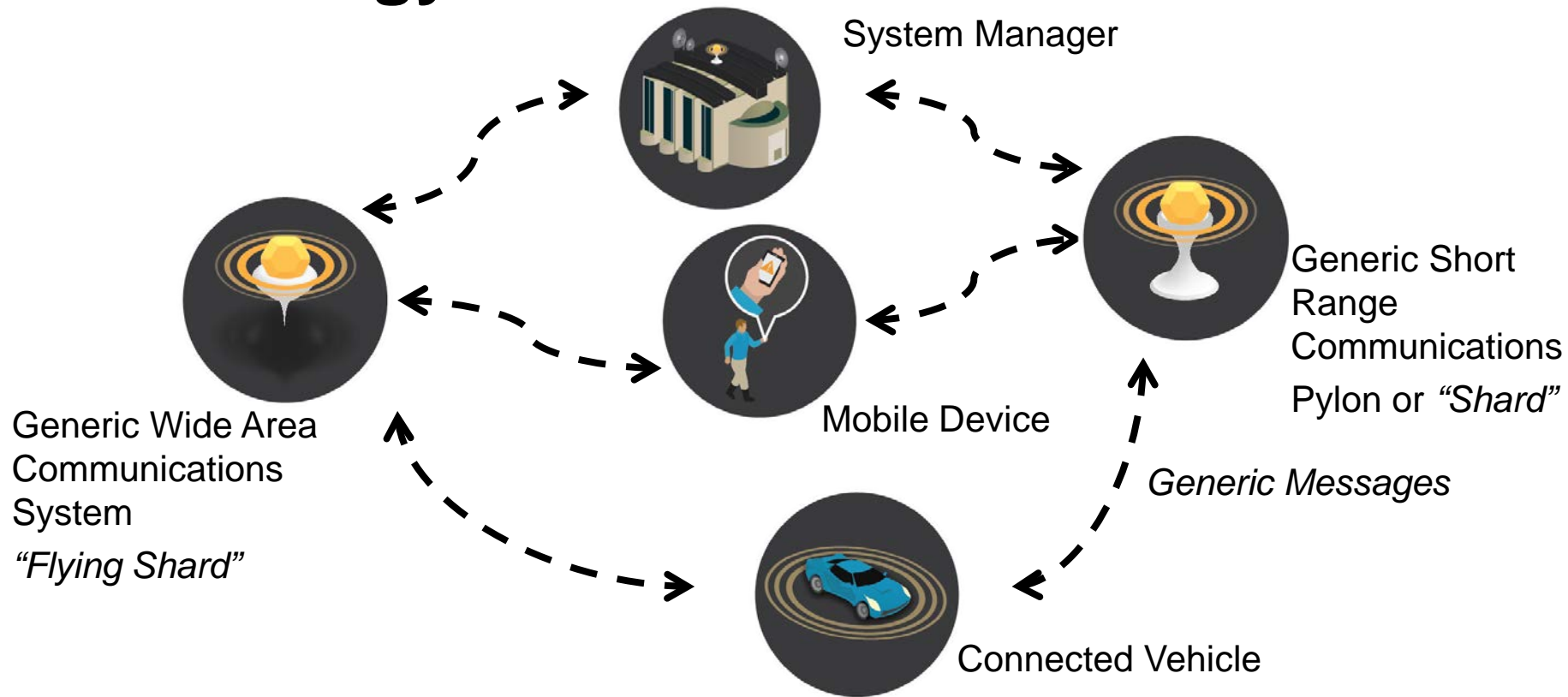
B: They are used to illustrate the pilot deployment concept development process

C: They are not real.

D: All of the above.



# Deployment Concepts in this Session are Technology Neutral



- **Graphics are used to illustrate the concept, not a system design**
  - Examples illustrated here are not preferred, only to show how messages are expected to pass among mobile devices, connected vehicles, and communications media

# Example Pilot Deployment Concepts: The Remainder of the Session

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- Downtown Sunnyside *Ben McKeever*
  - H.W. Halleck Expressway *Bob Rupert*
  - Greypool County *Carl Andersen*
  - District 13 Connected Operations *Gabe Guevara*
  - I-876 Productivity Corridor *Randy Butler*
  - Stakeholder Q&A (25 minutes) *Jeff Spencer*
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- Each presenter will have about 15-20 minutes to talk about the each of these examples
    - We will take one or two clarifying questions specific to the example
  - Please hold general questions for the end, where we have a block of time to answer questions