



# **VII Business Models & Institutional Issues**

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# Business Models

- **Focus:**
  - *Economic Feasibility and Quality Control*
    - How VII gets deployed
    - Who Pays
    - How it is Managed
    - Long term O&M
- **We don't have answers Yet !!**



# Special Considerations

- **A coordinated nationwide deployment**
- **Short deployment timeframe**
- **Effects safety of vehicles**
- **Potential public & private liability**



# Business and Institutional Issues

- Not a conventional Public or Private transportation deployment
- A deployed VII network will need a management entity
  - *Security,*
  - *Safety,*
  - *Privacy,*
  - *Access*



## **Access – Network, Vehicles, and Data**

- **For applications that get into vehicles we must ensure safety and security**
- **Access to the network must be managed**
- **Access to data from vehicles must be managed**
- **Access to vehicle systems must be managed**



# Management Issues

- **Security, Safety, Privacy, Access, Liability**
  - *These issues effect both public and private sectors (transportation industry and government)*
- **How to do Long Term O&M**
  - *Cannot just require State/Local Gov't to support O&M*

# HOW?

- Investigating Alternatives for a Management Entity
- Current Thinking:
  - *Exploration of a Public/Private Management Entity*
- We are Working On It





# Institutional Issues Sub-Committee (IIS)

- Ultimately, for VII to succeed it must be technically, economically, socially and politically feasible
  - *IIS was created to address social / political feasibility*
  - *Other sub-committees were created to address technical and economic feasibility issues*





# Institutional Issues Identified

- **Privacy**
- **Data/network/vehicle access**
- **Liability**
- **Deployment policy issues**



# Privacy

- **Focus of VII work on institutional issues to date**
- **Privacy-Related Policy Assumptions**
  - *VII must operate in a manner that adequately preserves personal privacy and civil liberties*
  - *VII must be secured against unauthorized access / tampering*
- **Two products under development**
  - *Privacy Limits Paper*
  - *Privacy Principles Paper*



# Privacy Limits Paper

- Goals
  - *Establish framework for implementing VII privacy legislation*
    - Part of enabling legislation for VII
  - *Limits function of VII as system requirements*
    - Frames VII context to facilitate technical, business, and policy solutions to privacy-related concerns
- Approach
  - *Establish rules for 7 categories of VII data/information*
  - *Includes supporting rationale*



## VII Functional Areas – Privacy Limits

- **Functional Areas Envisioned to be Designed into VII**
  - *Public-sector transportation*
  - *Public-sector commerce and toll collection*
  - *Public-sector regulation and commercial vehicle permitting*
  - *Private sector commerce*
  - *Private sector transportation*
- **Functional Areas Not Envisioned to be Designed into VII**
  - *Law enforcement/investigation*
  - *Security surveillance*



# Privacy Principles Paper

- Goals
  - *Provide a foundation for privacy policies and procedures (public and private) for protecting privacy within VII*
  - *Establish groundwork for future VII operating organization that administers privacy rules*
- Origins
  - *Principles adapted from the National Information Infrastructure (NII) Privacy Principles*
  - *Presented within Fair Information Practices framework (widely used by public and private sectors)*



# Privacy Principles

- **Twelve principles in 7 categories**
  1. *Information Purpose*
  2. *Information Acquisition*
  3. *Information Use*
  4. *Information Quality and Security*
  5. *Openness*
  6. *Participation*
  7. *Accountability*





# Upcoming Institutional Issues Activities

- **Privacy workshops**
  - *Initial workshop to focus on privacy advocates*
  - *Future workshops to focus on other privacy and security advocates and professionals*
- **Other institutional issues**
  - *Liability framework*
  - *Data access rules*
  - *Deployment support*



# VII Business Models & Institutional Issues

*“Thank You”*