Concept of Operations

- Facilitate understanding of system vision, goals and Objectives

- Describe Stakeholder organizations and missions from *integrated point of view* – anyone who will operate, maintain, build, manage, use

- Describe System characteristics from an operational perspective, e.g. use normal and failure scenarios

- Form overall basis for long range operational planning

- Consider constraints, evaluation metrics, external interfaces

ANSI/AIAA G-043-1992 Guide for the
Preparation of Operational Concept Documents

Factors to Consider

- Regional boundaries
- Funding
  - SAFE for motorist activities
  - Non-motorist activities??
- Life span of components
- Standards
- Reliability issues
- Communications overloading
- Resources
  - Qualifications
  - Training
  - Stability (longevity)
- Interruptions – nature, construction, accidents, theft, etc.

Requirements

- Functional - What the system shall do
- Performance How well the requirements should perform
- Interface - Definition of the boundaries
- Data - Elements and definitions of system
- Non-Functional
  - -illities, safety, environmental
- Enabling
  - Production, Development, Testing, Training, Support, Deployment, Disposal.
  - Constraints – Design, tools, standards, etc