

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
 - -ilities, safety, environmental
- Enabling
 - Production, Development, Testing, Training, Support, Deployment, Disposal.
 - Constraints – Design, tools, standards, etc