Presentation Outline

- Introduction/Background
- Working Group Composition
- Objectives
- Scope
- Basic Approach
- Summary/Status
Introduction/Background

- Introduction of Cellular Telephones (1983)
- Explosive Growth of In-Vehicle Technologies
  - Cell-Phones
  - Navigation Systems
  - Wireless Internet
  - Information and Entertainment Systems
- NHTSA Hosts Public Meeting on Safety Implications (July 18, 2000)
- Alliance Commits to Draft Principles for Design, Installation and Use of Telematic Devices to Minimize Distraction
Alliance Submits Draft Principles Document to NHTSA (Dec 21, 2000)

Principles Only the First Step

Alliance Commits to More Fully Define Design and Performance Requirements

Target Completion Date is Year End 2001
Working Group Formed

- Expanded Participation
  - ITSA
  - SAE
  - CEA
  - AAA
  - NHTSA
  - Transport Canada
- Full WG Meetings in March, May & July
- Technical Drafting Meetings In Between
Objectives

- Summarize Essential Safety Aspects to Be Taken Into Account for HMI
- Should Be of Particular Use to Manufacturers When Considering Safety of Design
- Design and Installation Issues are the Main Concern
- Utilize Performance Based Goals to Minimize Unnecessary Obstacles or Constraints
Scope

- Concerned with Advanced Information and Communication Systems
  - Traveler Advisory Displays
  - Route Guidance
  - In-Vehicle Internet Access
  - Communications (e.g., Cell Phone)

- Not Intended to Apply to Collision Warning or Vehicle Control Systems
Basic Approach

- Utilize the EC Statement of Principles on Human Machine Interface as a Starting Point
- EC Principles Framework has 6 Areas
  - Overall Design
  - Installation
  - Information Presentation
  - Interaction with Displays and Controls
  - System Behavior
  - Information About the System
Interdisciplinary WG with Requisite Expertise
Up and Running
Committed to Produce Enhanced Document by the End of Year
Work-In-Progress
- Science of Distraction Not Totally Understood
- Verification Procedures Often Troublesome
After-Market Compliance May Be a Problem