



Applications and Data Environment Breakouts: Introduction

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- Application Concepts
- Breakout Exercises: Ground Rules and Background
- Role of Stakeholder Input
- Breakout Group Organization
- Questions

Application Concepts



Candidate Applications Concepts

Goal

- Identify, with help of stakeholders, collection of applications for development and testing in Phase 2 of Program

Approach

- Solicit ideas for transformative applications that improve decision making by system managers and users
 - Initial request closed on 31 July; second call closed 15 October
 - More than 90 submittals received
- Summaries are available on the web:
 - <http://dma.noblis.org>
- Thank you to everyone who took the time to submit an idea



Consolidating Applications Concepts

- 90+ application concepts are too many to consider in a single workshop
- Some ideas were out of scope for Dynamic Mobility Applications
 - Active safety referred to IntelliDrive Safety Program
 - Data-specific ideas referred to Data Capture Program
- Many ideas were similar or variants of a single concept
- Consolidating and merging in-scope applications resulted in 33 concepts
 - One page write up on each concept in your participant booklet
 - There is still some overlap and clear connections between some ideas
- Making yourself familiar with these 33 concepts will enhance your participation in the breakout sessions (but not required)



Grouping Applications Concepts

- In order to conduct meaningful research on promising applications, the Dynamic Mobility Applications program must:
 - Effectively leverage research data (collect once, use many times)
 - Look for synergies between applications
 - Balance near-term risks and long-term impacts
- Our breakout exercise this afternoon addresses these issues
 - Applications grouped around similar data environment concepts
- We want your individual and collective feedback on each concept
 - **Potential Impact:** will this application have transformative impact?
 - **Deployment Readiness:** if we assume the data is available, can this application be developed, tested and widely deployed by 2025?
 - **Program Alignment:** does the application align with program goals and is there a clear federal role in its development and deployment?

Breakout Exercises: Ground Rules and Background



- For today's exercise, these items can't be changed
 - Evaluation criteria
 - Data Environment assumptions
 - Application concepts (no altering or adding new ones)
- Policy-related issues are NOT in play for discussion
 - Intellectual Property, Privacy, Access/Security, Meta-data, Quality, Aggregation, Standards, Financial/Business Models....
 - If these topics come up, we will park the discussion until tomorrow, when we have special session to deal with these in turn

Today's Exercise (Part 1) Scorecards

- Feedback materials provided in the breakout rooms
 - Application scorecards
 - 3 poker chips (for voting)
- Facilitators will brief assumptions about the data environment that applications can draw upon
- Facilitators will clarify application evaluation criteria
- Consider a set of (up to 12) IntelliDrive application concepts
 - Facilitators provide one slide that describes the application
 - Field questions and clarifying discussion
 - Individually, you rate the application (HIGH, MEDIUM, LOW) against the criteria on your scorecard



Today's Exercise (Part 2) Voting

- Once you have scored each application, each participant votes for the three most promising applications
 - “**Most promising**”: strong potential for transformative impact, low deployment risk, and clear alignment with IntelliDrive program objectives
 - BLUE = 3 points (top priority)
 - RED = 2 points (second-highest priority)
 - WHITE = 1 point (third-highest priority)
 - Deposit your chips in the voting bins identified for each application (also turn in your scorecards)
- Quick break (5 minutes) to tabulate the results
- Reconvene to consider results within each breakout
 - Discuss the implications of your group process
 - Identify a presenter from your group for the breakout report at 3 PM

Role of Stakeholder Input



Candidate Applications Prioritization Criteria

- Prioritization Criteria
 - Potential for transformative impact
 - Makes use of IntelliDrive data
 - **Significant stakeholder interest**
 - Your input from this workshop is one measure of stakeholder interest
 - We have conducted similar exercises with several stakeholder groups
 - Can evolve from near-term state to long-term state
 - Potential to be released as open source
 - Cross-modal impact
- The program cannot fund every idea
- Exercises as a part of this workshop inform the federal team understanding of each application, but **do not determine application priority**

Breakout Group Organization



Today and Tomorrow's Breakouts

- Today's Breakouts organized around data environments, applications assigned to each breakout are listed in your participant resource booklet
 - Arterial (Breakout Room 317)
 - Freeway (Breakout Room 332)
 - Corridor (Breakout Room 330)
 - Regional (Breakout Room 331)
- Please attend only one breakout each day, exercises are conducted in parallel
- Tomorrow morning's breakouts features a different exercise and are organized around primary impact
 - Environmental (Breakout Room 332)
 - Productivity (Breakout Room 317)
 - Mobility (Breakout Room 330)
 - Safety and Security (Breakout Room 331)



***Breakouts Will Begin
Promptly at 12:30 PM***



Questions?



Lunch Possibilities

