

FUTURE AUTOMATED TRANSPORTATION SCENARIOS

Main question to answer: *What development model do citizens prefer and how do various tradeoffs affect this preference?*

Briefing (To be read by the table facilitator):

Since driverless mobility systems don't exist yet as commercial offerings but are under development, there is no set way for how they could develop. Different development scenarios involve different tradeoffs that we should consider alongside our personal values and what we think is important for our communities.

In this session, we are going to read about some commonly discussed scenarios involving the future of driverless mobility. Keep in mind that these scenarios do not represent the *only* potential driverless mobility scenarios, and there is significant uncertainty about their outcomes. We will also read some stakeholder cards so that we can think more about the diverse members of our communities and how they might be affected by these systems.

As you think about which scenarios you prefer, you may want to consider factors such as cost, sustainability, equity, safety, and effects on traffic congestion.

STEP 1: TRANSPORTATION SCENARIOS

- Introduce Step 1 of the session (Initial impressions about proposed models):
 - o "Let's start by reading about some commonly discussed scenarios involving the future of driverless mobility."
- Pass out the **Scenario Cards** and have participants read them aloud and then place them in the center of the table for other participants to see.
- Open up a group discussion about the scenario cards.
 - o "What are your initial thoughts about the different scenarios?"
 - o "What do you see as some of the advantages and disadvantages of each scenario?"
 - o "How do you think each of the scenarios would affect the environment?"
 - o "What effects do you think each of the scenarios would have on the economy? Would more jobs be created or lost?"
- Discuss as a group and then have one group member record 1 advantage and 1 disadvantage/area of concern per scenario on the **Worksheet**.
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NOTES: "Maintaining and Improving the Current System" means that participants do not want driverless technology to develop beyond what we have now. Also, all other scenarios assume the highest level of automation (i.e., no human driver).

STEP 2: SCENARIO STAKEHOLDERS

- Introduce the stakeholder cards:
 - “While we represent different members of our community today, we also want to highlight some additional voices in our discussion. As we read the stakeholder descriptions, understand that you are not playing the roles of these people, but rather, considering additional perspectives as you make decisions. Keep in mind, these are not the only perspectives you can consider and you will have the opportunity to write down other considerations you feel are important at the end.”
- Pass out all the purple **Stakeholder Cards**. Have participants read them aloud and then place them in the center of the table for other participants to see.
- Go around the table and ask each participant to share one reflection about the stakeholders.
 - “Did anything that the stakeholders shared surprise you or did any of the stakeholders share any information that was new to you?”
 - If not every stakeholder is mentioned during this discussion, ask participants what they think about whichever stakeholder was not discussed. (For example, if no one mentions the Disability Advocate, ask participants “What do you think about what the Disability Advocate mentioned?”).
- Open up a group discussion about the stakeholders and scenarios:
 - “How do you think each of the four scenarios we discussed would affect these different stakeholders?”
 - As the group discusses the stakeholders, use the second chart on the **Worksheet** to indicate how the group thinks the various stakeholders will be affected in each scenario.
 - **Start with the scenario your group was discussing the most. Move on to other scenarios if time permits.**

STEP 3: SELECTING DESIRED SCENARIO(S)

- Open up a group discussion about the different scenarios. Have the group discuss and select its preferred scenario. Record the group’s choice and rationale on the **Group Worksheet**.
 - “Now that we’ve had a chance to think about the different scenarios and how members of our community might be affected, which scenario or combination of scenarios would you all prefer?”
 - Groups are allowed to make changes to the scenario, noting any specific requirements that they would want. They can also choose to mix and match the different scenarios.

STEP 4: REPORT BACK