Transportation & Innovation Expo
ACES: EVs in the Greater Transportation Landscape

Transportation & Innovation Expo
Agenda

• What are ACES?
• Why now and When are they coming?
• How do we prepare?
What are ACES?
What are ACES?
What are ACES?
Why now and When are they coming?
Why now and When are they coming?
Why now and When are they coming?
Why now and When are they coming?
Why now and When are they coming?
## Why now and When are they coming?

### Automation Levels & Availability

<table>
<thead>
<tr>
<th>Driver Involvement</th>
<th>LEVEL 1</th>
<th>LEVEL 2</th>
<th>LEVEL 3</th>
<th>LEVEL 4</th>
<th>LEVEL 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active</td>
<td>Active</td>
<td></td>
<td>Available to assume control</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Availability</td>
<td>2010 and earlier</td>
<td>2013</td>
<td>2017</td>
<td>2020 and later</td>
<td>Unknown</td>
</tr>
<tr>
<td>ADAS</td>
<td>Cruise control</td>
<td>Adaptive cruise control</td>
<td>Traffic jam assistance</td>
<td>Automated in designated areas</td>
<td>Automated everywhere</td>
</tr>
</tbody>
</table>

---

The table above outlines the progression of automation levels, showing the involvement of the driver and the availability of each level. Level 1 involves active driver involvement and is available by 2010 and earlier. Level 2, with active involvement, is available by 2013. Level 3, available to assume control, was introduced in 2017. Level 4 is not available by a specific date, and Level 5 is unknown. ADAS features also progress from cruise control to fully automated systems in designated areas and everywhere.
Why now and **When** are they coming?
How do we prepare?
How do we prepare?

RESTRUCTURE
How do we prepare?

INVEST IN INFRASTRUCTURE
How do we prepare?

COLLABORATE
Thank you!

Robert Fischer
202.568.2273
rfischer@usgtima.org