The Legacy of the ADA:
Accessible Transportation and Workplace Technology

#ADA30 | #CSGCelebratesADA30
Housekeeping

- Closed Captioning
  - [streamtext.net/text.aspx?event=CFI-CSG](streamtext.net/text.aspx?event=CFI-CSG)
- Cameras and Microphones
- Recording
  - [seed.csg.org/ada30/](seed.csg.org/ada30/)
- Participation
Accessible Transportation and Workplace Technology

Josh Christianson
Project Director,
Partnership on Employment and Accessible Technology (PEAT)
Accessible Transportation and Workplace Technology

Dr. Aaron Bangor, Chair Texas Governor’s Committee on People with Disabilities

Representative Jason Fischer, Florida

Thomas J. Wlodkowski, Vice-President of Accessibility Comcast
The Future of the Workforce

Themes
- Universal Design – products & policy
- Access to transportation
- Data collection and algorithm bias
- Cross-stakeholder engagement

Enabling Technologies
- Automation / Artificial Intelligence
- Autonomous vehicles
- Ubiquitous broadband / 5G
- Internet of Things / Smart Cities
Technology and Policy Examples

**Texas GCPD**
- Addressing knowledge gaps
  - Accessibility and Disability Policy Webinar Series
  - Interagency stakeholder
- Education
  - Accessible Technology Advisory Committee
- Transportation
  - Working group on TNCs

**AT&T**

*Inclusive Innovation Playbook*
- **Goal**: help define disability inclusion as part of the innovation process and integrate it into technology ecosystems
- In terms of people, policy, infrastructure, and other economic assets: what creates the environment that drives technology to be inclusive?
AUTONOMOUS VEHICLES

Representative Jason Fischer
Florida
Why are policymakers interested in Autonomous Vehicles?

- Eliminate human error
- Transform mobility for Americans, including those with disabilities
- Redefine the transportation industry
SAE J3016™ LEVELS OF DRIVING AUTOMATION

**SAE LEVEL 0**

You are driving whenever these driver support features are engaged – even if your feet are off the pedals and you are not steering.

What does the human in the driver’s seat have to do?

You must constantly supervise these support features; you must steer, brake or accelerate as needed to maintain safety.

*Example Features:*
- Automatic emergency braking
- Blind spot warning
- Lane departure warning

**SAE LEVEL 1**

You are not driving when these automated driving features are engaged – even if you are seated in “the driver’s seat.”

When the feature requests, you must drive.

*These are driver support features*

These features are limited to providing warnings and momentary assistance.

*Example Features:*
- Lane centering OR
- Adaptive cruise control

**SAE LEVEL 2**

*These are automated driving features*

These features provide steering OR brake/acceleration support to the driver.

*Example Features:*
- Lane centering AND
- Adaptive cruise control at the same time

**SAE LEVEL 3**

These features provide steering AND brake/acceleration support to the driver.

*Example Features:*
- Traffic jam chauffeur
- Local driverless taxi
- Pedals/steering wheel may or may not be installed

**SAE LEVEL 4**

These features can drive the vehicle under limited conditions and will not operate unless all required conditions are met.

*Example Features:*
- Same as level 4, but feature can drive everywhere in all conditions

**SAE LEVEL 5**

These automated driving features will not require you to take over driving.

*Example Features:*
- Same as level 4, but feature can drive everywhere in all conditions

SAE Levels of Driving Automation Examples

Level 0 - 2005 Ford Mustang

Level 3 - Tesla’s “Smart Summon”


How it is Working in Florida

Driverless taxi services program by Voyage at the retirement community, The Villages, located in Central Florida.

Autonomous shuttle services at Babcock Ranch by their mobility partner, Transdev. The first autonomous school shuttle in the world debuted at Babcock Ranch in Southwest Florida.
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Questions?
Additional Webinar Opportunities

• Webinar 6: Ensuring a Disability Perspective in State Policy (November 19th)
• CSG National Conference:
  – The Effect of COVID-19 on Transition Age Youth and Young Adults with Disabilities (October 29th)
  – Disability Etiquette (December 11th)
  – Telework: Adapting to the COVID-19 Economy (December 16th)
• Building a Future that Works (October 20) PEAT and USDOL
Contact Us

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• Nationwide observance each October
  – 2020 theme: “Increasing Access & Opportunity”
• Employers of all sizes and in all industries encouraged to take part
• Ideas and inspiration at dol.gov/ndeam
Celebrating 30 Years of the ADA

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