National Collaboration

Bicycle, Pedestrian, and Accessibility Infrastructure Data

September 25, 2025

U.S. Department of Transportation
Office of the Secretary of Transportation

Bureau of Transportation Statistics

FGDC.GOV
FEDERAL GEOGRAPHIC DATA COMMITTEE

Facilitators

Co-Chairs

- **Anat Caspi**, University of Washington
- **Jeff Whitfield**, Centers for Disease Control and Prevention
- **Peter Furth**, Northeastern University

Bureau of Transportation Statistics Admin Team

- **Jay Davis**, Presidential Innovation Fellow
- **Carl Fredlund**, MobilityData
- **Justyna Goworowska**, Spatial Transportation Data Analyst
- **Reid Passmore**, Active Transportation Data Fellow

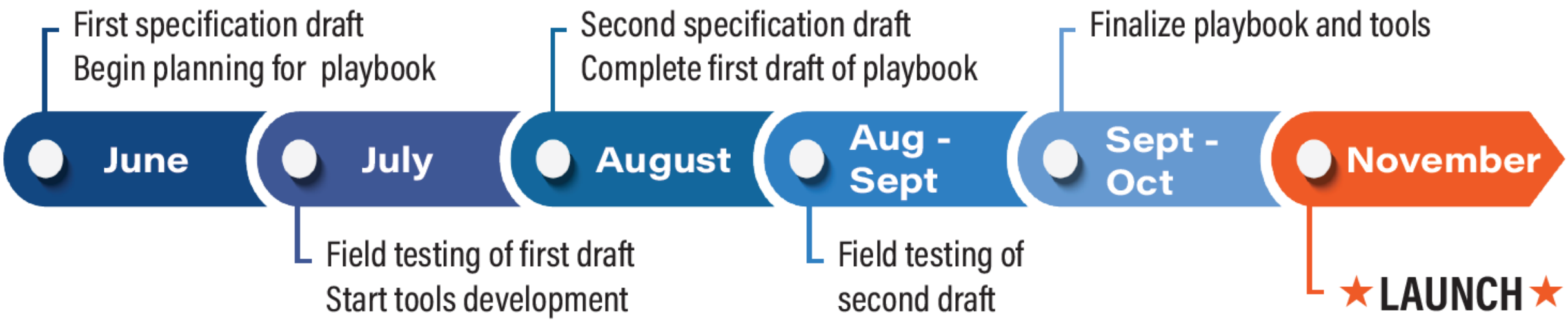
Housekeeping

- Please stay muted. Please raise your hand to speak and unmute when acknowledged.
- Feel free to use the chat to ask questions or make comments.
- Post-meeting content will be available at: https://github.com/dotbts/BPA/wiki

Context

- Purpose: To advance comprehensive, interoperable, and routable data on bike, pedestrian, and physical accessibility infrastructure – through open data specifications.
- Organized under the Federal Geographic Data Committee (FGDC)
- Facilitated by the Bureau of Transportation Statistics (BTS)
- See GitHub for more info: https://github.com/dotbts/BPA/wiki

Plans for 2025



Objectives of Today's Meeting

1. Explore current GATIS tools and resources
2. Discuss the future of the specification
3. Discuss feedback received on the first specification draft

Agenda

Welcome	5 minutes
NC-BPAID status updates and actions	5 minutes
Open floor for announcements	5 minutes
Subgroup updates	10 minutes
GATIS tools and resources	15 minutes
Presentation + discussion on the specification's future	15 minutes
First specification draft feedback	30 minutes
Closing	5 minutes

NC-BPAID Updates

- Jay working primarily with ARPA-I, reducing time at BTS
- Reid exiting BTS for a new job
- Join a subgroup and bring a friend! Fill out the subgroup form
  - Outreach
    - First Thursday of each month, 4-5p ET
  - Specification Development
    - Every other Wednesday, 4-5p ET
  - Data Practices
    - First Thursday of each month, 3-4p ET

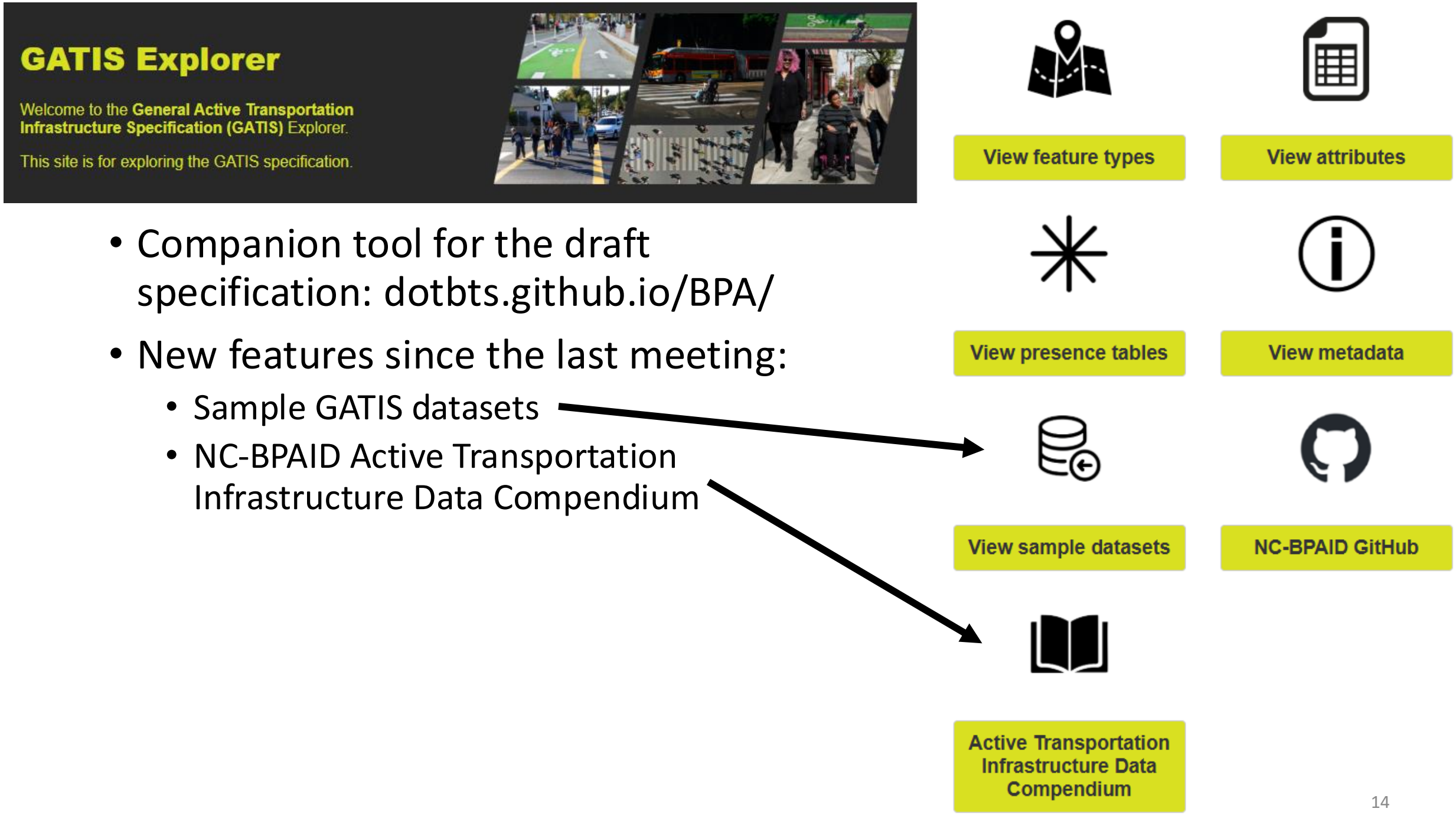
Open Floor for Announcements

Update from Data Practices Subgroup

Update from Outreach Subgroup

Update from Specification Development Subgroup

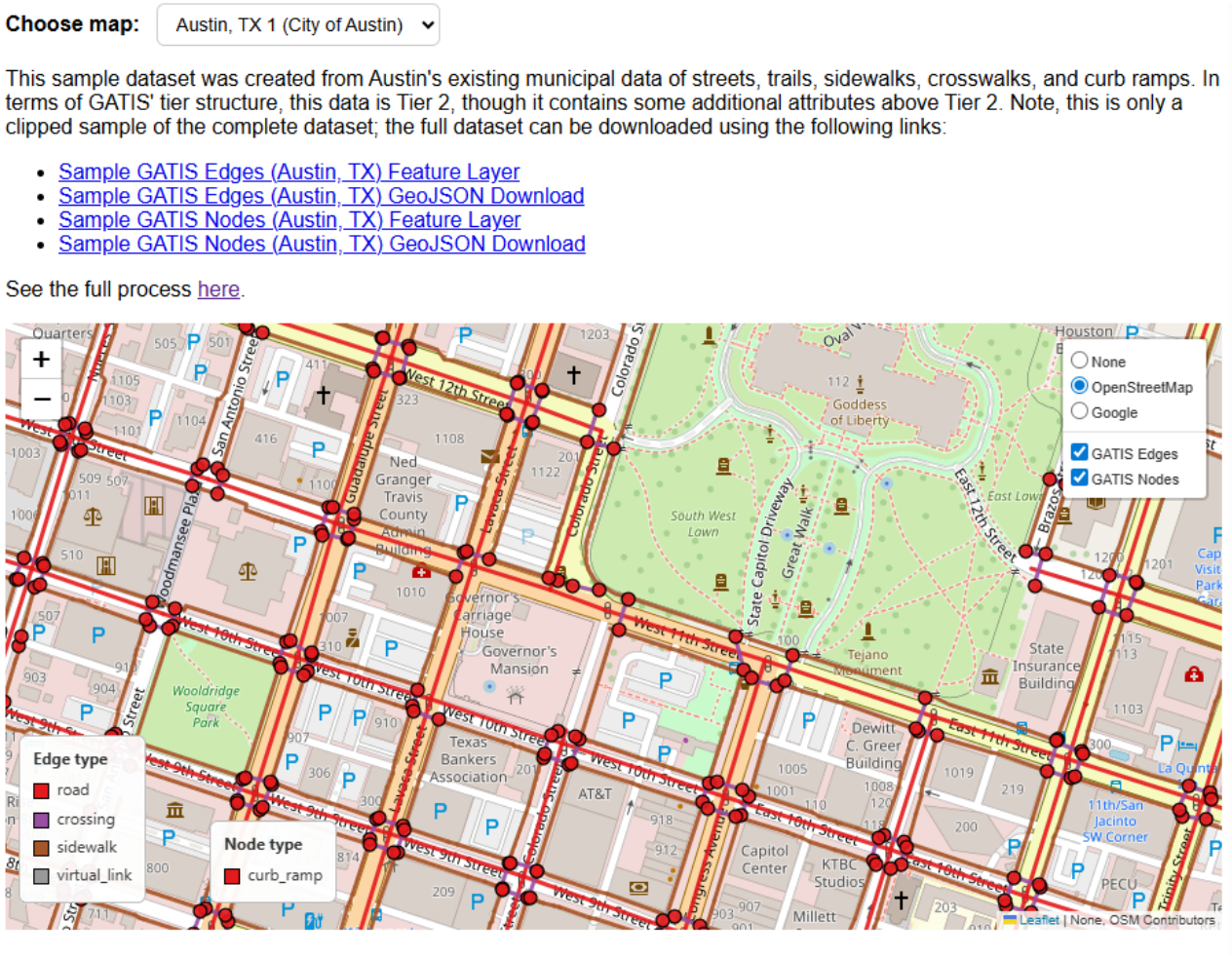
GATIS Tools and Resources



- Companion tool for the draft specification: dotbts.github.io/BPA/
- New features since the last meeting:
  - Sample GATIS datasets
  - NC-BPAID Active Transportation Infrastructure Data Compendium

GATIS Sample Data

- Converted data from Austin, TX
  - Converted OSM data soon
- Sample data is downloadable through BTS's ArcGIS Online
- Scripts for the conversion on GitHub
  - Modify to create a conversion pipeline
  - Readme explains the installation process but intended for people familiar with Python
- Collaboration members are welcome to share their scripts/processes for converting to GATIS



NC-BPAID Active Transportation Data Compendium

- Collection of ~300 active transportation and accessibility related open datasets
- Source code available on the NC-BPAID GitHub
- Dataset files also posted on GitHub

Return to main page

- About the compendium
- How to use
- Data dictionary
- Contributing new datasets

References

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Dataset ID ▲	Description	Entity	City	State	Info URL	Row Cou…	Column …	Tags
Alaska Bike Lanes		Alaska DOT		AK	https://dat…	982	33	
Albuquerque Bike Paths		City of Albuquerque	Albuquer…	NM	https://gis…	5,643	34	bike
Alexandria Bike Lane Routes		City of Alexandria	Alexandria	VA	https://city…	559	8	bike
Alexandria Transport Walks		City of Alexandria	Alexandria	VA	https://city…	36,510	6	pedestrian
Alexandria Walks Polygons		City of Alexandria	Alexandria	VA	https://city…	36,510	6	pedestrian
Altoona Sidewalks		City of Altoona	Altoona	WI	https://arc…	910	14	pedestrian
Arizona Bike Lanes		Maricopa Association of …		AZ	https://ari…	22,903	24	bike

Draft Specification Files

- GATIS Specification JSON files
  - Used for the GATIS Explorer website
- GATIS JSON Schema files
  - Used for the validator
- GATIS Template files
  - Empty GeoJSON files to start building GATIS data with
- These files need to be updated after changes to the specification

GATIS Validator Prototype

- Working concept validator prototype using the JSON-Schema files in Jupyter Notebook format
- Uses https://json-schema.org/
- The organization that adopts GATIS would need to develop a production version with a user-interface

GATIS Validator Next Steps

- Refining the JSON-Schema files where needed
- Additional scripts needed after JSON-Schema validation:
  - Unique ID enforcement
  - Conditional attributes
  - Network statistics
- App/Webapp with front-end UI and back-end that performs the validation
  - Talked with Mobility Data on the stack for the GBFS validator

What's Ahead?

Presentation + Discussion on the Specification's Future

The Job of BTS

- Launch V1.0
- Pass on knowledge for future development
- Help to ensure a financially maintainable future
- Convey governance requests, guiding principles and priorities

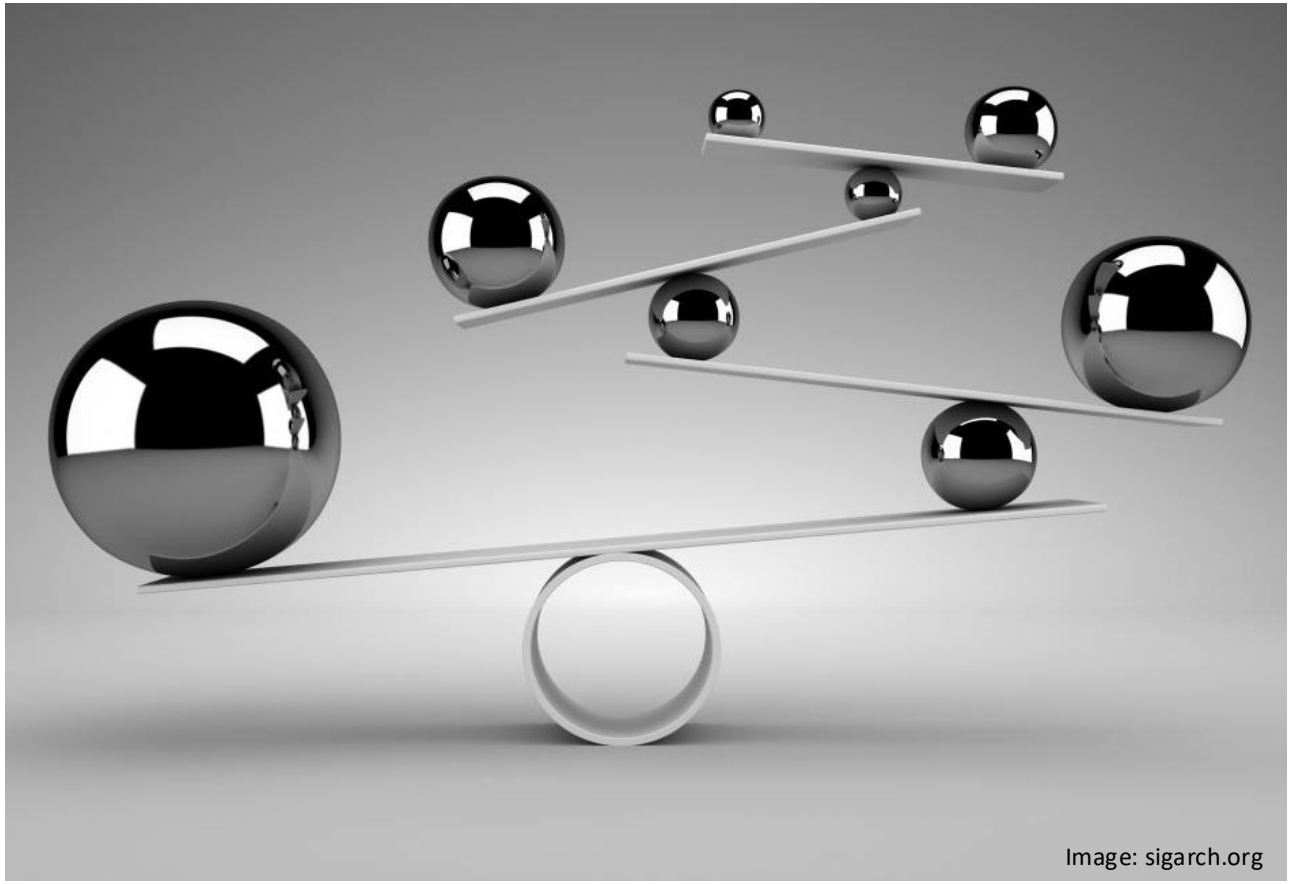

Image: sigarch.org

Preparing for Handoff

- Collaboration framework and guiding principles
- Code base and docs for tools and resources
- 'Pathmap' and development notes
- Examining support we could offer to new owner

Process and Timeline

Much is unknown, and no decisions on a new owner have been made yet.

What is known:

- We are compiling a list of interested organizations.
- We want input on what principles should drive the decision.
- BTS will be informed by this input.
- The specification will change hands after V1.0 release.

Tell Us:

What Are Your Priorities?

How Do You Want Community Involvement to Continue?

Go to www.menti.com and enter code:

9501 7188

https://www.menti.com/bljdug7ne9u2

Q&A

Image: swoopanalytics.com

Email us with further thoughts and questions:
j.goworowska@dot.gov & jay.davis@dot.gov

Thank you!

Next full meeting:

Thursday, October 30th @ 3pm ET

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