

# RUC FORUM EVALUATION

*2016 OReGO FAST  
Act STSFA Grant  
November 2017*

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## Executive Summary

On September 18, the RUC Forum opened at the Salem Convention Center. The two and a half day event was co-sponsored by RUC West and the American Association of Motor Vehicle Administrators (AAMVA). All attendees were welcomed by Director Matthew Garrett, followed by Debra Perkins-Smith, who presented RUC West project updates. The event was attended by more than 100 people from 16 states and 6 countries.

Panel discussions were tailored to meet the requirements of the STSFA grant, and focused on business and technical areas. Panelists included representatives of industry and government to provide an array of thinking about the topics, which included privacy protection, technology options, and compliance.

Following the event, a survey was sent to participants. Survey results demonstrate the desire to have these types of events on a recurring basis. The opportunity to network and share knowledge with experts in the field is seen as being invaluable for future success.



Left to right: Amy Danberg (PRR), Colleen Gants (PRR), Maureen Bock (ODOT), Michelle Godfrey (ODOT), Denise Walz (PRR), and Kirsten Hauge (PRR).



Business Track participants  
Carrie Pourvahidi (CalTrans) and  
Stephen Fitzroy (EDR Group)



## Background

### ODOT Road Usage Charging and OReGO

In 2001, the legislature formed the Road Usage Fee Task Force (RUFTF). Its mission was to find an alternative source of transportation funding outside of fuel taxes. From this legislative body, the concept of road usage charge -- where volunteers pay for every mile they drive, rather than for every gallon their vehicles consume—came into existence. With the passage of SB 810 in 2013, the Oregon Department of Transportation (ODOT) was mandated to create and maintain a road usage charge (RUC) program. The resulting OReGO program became operational on July 1, 2015.

### 2016 FHWA FAST Act STSFA Grant

In 2016, ODOT was awarded a federal grant from the Federal Highway Administration (FHWA) under the Fixing America's Surface Transportation (FAST) Act Surface Transportation System Funding Alternatives (STSFA) program. ODOT has defined eight projects to meet the objectives in the grant and enhance the OReGO program.

The primary project objectives are to:

- 1: Expand the market
  - Expand technology options for reporting mileage
  - Manage the open market
  - Develop requirements for a manual reporting option
  - Streamline reporting and data sharing
- 2: Increase public awareness
- 3: Evaluate compliance mechanisms
  - Account manager
  - RUC payer
- 4: Explore interoperability



The foyer at The Salem Conference Center, set up for lunch.

## Description of “RUC Forum” subproject

One of the primary objectives of the 2016 OReGO FAST Act STSFA grant was to explore interoperability. The manner in which ODOT proposed doing this was by hosting a Forum that gathered policy advisors, tax administrators, consultants, vendors, and representatives from all interested states to help shape the future of transportation funding. This offered a great opportunity to network, share ideas, review products, discuss interstate interoperability, and learn about the technical and business aspects of implementing a road usage charge system.

The Forum aligned with several FAST Act Requirements, including interoperability, protection of privacy, reliability and security of technology, market-based congestion mitigation, decreased administrative cost, and ability to audit and enforce.

“What a spectacular success! We all agreed the speakers were excellent and I learned a lot.”

--Barbara Rohde,  
MBUFA

## Evaluation

### What Was Done

The RUC Forum was held September 18-20, 2017 in Salem, Oregon. The Forum was co-sponsored by RUC West and the American Association of Motor Vehicle Administrators (AAMVA). The two co-sponsors participated in the agenda build and speaker selection processes.

More than 140 people attended, which included people from 16 states and six countries. Attendees were able to participate in a wide range of sessions, in both the technical and business arenas. A complete list of agenda session topics with descriptions is included as Appendix A.

Each session had a moderator and panelists, comprised of a robust and comprehensive group of experts in their various fields of specialty. A complete list of moderators and panelists is included as Appendix B.



Technical Track  
Tim Kirby (Colorado DOT)  
presenting.

Other panelists from left to right include:  
Markell Moffett (ODOT),  
Dr. Ben Miners (IMS),  
Darren Stautz (Azuga),  
Caroline Furlan (emovis), and  
Bob Siegel (Accenture).

## STSFA Requirements

### Interoperability

Over 140 participants from 16 states and six countries gathered to discuss the opportunities for interoperability and the evolution of RUC between states, public and private markets and the exploration of new technologies.

### Protection of privacy

There were panel presentations on the handling of tax payer data, descriptions of the kinds of data shared, who is allowed to access the data, and how it will be stored. There was also an exploration into the possible use of transportation institutes for aggregation and integration of data rather than government or for-profit companies. A panel participated in a robust discussion about how to engage the public and gain their trust, which are significant components for a successful RUC program. In conclusion, most speakers thought there are opportunities for building on pre-existing standards for data sharing between entities to enable protection of privacy.

### Reliability and security of technology

Discussions about the imperative for stringent certification of vendors and mechanisms were part of the Forum. Certification confirms that systems meet state needs, follow legal requirements and provide the security the citizens expect.

### Market-based congestion mitigation

There was a presentation on open architecture and how the RUC platform could potentially be used to address congestion. This would require use of vehicle-location technology, such as GPS, and would need to be tested.

### Decreased administrative cost

Decreased administrative costs will be an outcome based on achieving certain economies of scale, and through robust sharing of lessons learned.

### Ability to audit and enforce

There were discussions on the process for certifying vendors to ensure adherence to contractual obligations and how data management, analysis, and reporting can be used to identify compliance issues and begin enforcement.

"Not only did we learn a lot about the future RUC plans, but we also truly enjoyed the conviviality of this event and its networking aspect."

--Benoit Rossi, emovis





Right to left: Angela Jacobs (FHWA) moderating a business track session with Sue Embree (DHM) as a panelist.

## Lessons Learned

The outline below summarizes the OReGO team's lessons learned, including challenges that had to be overcome, recommendation and opportunities for future RUC events.

### HAVE DIVERSE ATTENDEES

A diverse group of attendees participated.

- Provide more communication about event, cost, etc.
- Data mine as many lists as possible to ensure widespread awareness of the event.
- Make a determination about tiered registration based on whether the registrant is a public or private sector entity.
- Analyze costs to determine a range of possible costs for future.
- Clarify expectations for contributors and sponsors.

### ACQUIRE AN APPROPRIATE VENUE

Two tracks in adjoining rooms worked.

- More microphones are needed for panel discussions; have a central microphone for those asking questions.
- Being able to stay at the same place as the Forum eliminated the need to travel and allowed more networking time.



"...quick note to congratulate you on the forum last week. It was informative and a pleasure to attend."

-- Richard White,  
New Zealand  
Government to  
Government  
Partnerships

## Lessons Learned

(cont.)

### ENSURE RELEVANT AGENDA CONTENT

Two tracks with multiple presenters covered an array of relevant topics.

- Begin materials design early and add content later.
- Leave at least 15 minutes between sessions for breaks and networking.
- Offer an introductory course on the first day.
- Repeat some sessions on subsequent days or have one day for technical topics and another for business topics.
- Lunch speakers presented timely information. Asking contributors to sponsor a speaker at lunch added content that was not otherwise covered.
- Provide basic information as part of the program or on the website.
- Allowing people to have access to the information presented at both tracks would encourage greater networking.
- Video sessions and make them available to participants.

### VARY PRESENTATION FORMATS

Increases access to both the technical and business track content.

- Schedule videographers/audio recorders for dual-session time periods, then make recordings available post-event.
- There would need to be a way to allow people to select (download) those sessions in which they had an interest.

### GATHER FEEDBACK

Sent a survey to participants following the event to solicit feedback.

- Keep it short to enable it to be completed within a few minutes.
- Document feedback.
- Survey results are included as Appendix C.

### SCHEDULE FUTURE EVENTS

Have periodic events to allow people to stay current with emerging trends and technologies.

- Find a mechanism for having a similar event every other year to exchange ideas, share best practices and lessons learned, and network.
- Having an organization, such as RUC West or some other group, serve as the organizer with various jurisdictions hosting might be useful.

“The conference was a great opportunity to get together with people from around the world who are working on the topic. They were very complimentary of the work of the OReGO team that put together a rich program and made it work seamlessly.”

-- Travis Brouwer,  
Oregon Department  
of Transportation

## Conclusion and Next Steps

The last day of the Forum was an opportunity for people to share their thoughts about what the next steps should be. The items identified are presented so they align with the FAST Act requirements contained in the FHWA Grant Agreement.

Improve the functionality of this alternative revenue mechanism, by

- Continuing to work with groups to streamline certification processes,
- Continuing to test new technologies to determine their suitability for reporting accurate and timely data,
- Conducting outreach to increase public awareness and to stay abreast of public concerns about topics like privacy,
- Working directly with other states on interoperability pilots, and
- Developing compliance mechanisms.

Provide recommendations about the adoption and implementation of this alternative revenue mechanism, by

- Sharing lessons learned through groups like MBUFA, RUC West and AAMVA as well as through the OReGO website,
- Collaborating with related groups such as the National Council of State Legislatures and the National Governors Association on developing talking points for their stakeholders,
- Encouraging other states to host similar events, and
- Publishing results of states’ research and development efforts.

Minimize the administrative costs, including those associated with the collection of fees by

- Evolving the program to bring in new technologies,
- Promoting interoperability by adopting common standards,
- Partnering with other jurisdictions to leverage their technologies, such as back office systems, and
- Determining how to develop linkages between road usage charge collection and other transportation-related services.

The RUC Forum allowed people with an interest in the topic of road usage charging to learn about new developments in RUC technology and how it is advancing as a possible alternative to fuel taxes. A survey was sent to participants at the end of the Forum. The survey results as of November 2, 2017 are included as Appendix C. One of the questions asked about the preferred frequency of such an event, with 16 responses indicating a desire for biennial meetings and 25 noting a preference for annual meetings. OReGO staff are prepared to share planning materials with other states or groups that may have an interest in hosting something similar in the future.



OReGO staff at the registration table. (Left to right) Front row: Maureen Bock, Markell Moffett; Second row: Nychal McLain, Peter Alotta, Brian Zelinka, Brenda Morgan-Childers, Jacquie Zeller, Jenny Erickson, Andre Orso; Back row: Jim Atkins, Bo Camero, Chuck Larsen.

## **Technical Track**

### **Technology Options for Mileage Reporting**

Exploring industry options for collecting and reporting data that supports a road usage charge program.

### **Vendor Certification: Balancing Governance and Innovation**

A discussion of how jurisdictional needs can be met without restricting vendor and industry innovation.

### **Technical Interoperability**

Discussion on the opportunities for technical interoperability and evolution of RUC between jurisdictions, public and private markets, and technologies.

- Open Architecture
- Concept of Operations and System Requirements
- Common Administrative System

### **Open Architecture**

Expanding on the discussion of technical interoperability: Open Architecture as a concept that allows for multiple entities (jurisdictions, private service providers, governing bodies) and systems to interoperate and evolve over time, independently.

### **Connected & Autonomous Vehicles: New Challenges**

A panel discussion on evolving Connected Vehicle and Automated Vehicle technologies and how they intersect with RUC policy and infrastructure needs. Topics will include the need for a common standards for telematics and new opportunities for RUC depending on how the deployment of automated vehicle technology impacts vehicle miles traveled.

### **Concept of Operations and System Requirements**

Expanding on the discussion of technical interoperability: How a common concept of operations and system requirements enable flexibility for evolving needs of RUC entities (jurisdictions, private service providers, governing bodies) and technological advances.

### **Common Administrative System**

Expanding on the discussion of technical interoperability: Discussion on why having a common administrative system enables RUC entities (jurisdictions, private service providers, governing bodies) to seamlessly interoperate and handle evolving business needs – exchange of funds, data validation, compliance, etc.

## **Business Track**

### **Public Engagement: What works, what doesn't, why it matters**

A discussion of how to engage the public and lessons learned.

### **Rural-Urban Impacts**

A discussion of how to address ongoing concerns with the impact that a road usage charge program has on rural drivers.

### **Interoperability Challenges: Public Funds, Reciprocity, Vehicle Transfers & More**

A compilation of challenges associated with implementing an interoperable road usage charge program, which includes how different jurisdictions treat public funds, how jurisdictions deal with outsourced functions, etc.

### **Toolkit Development: Volunteers, Account Managers, Media & Everyone Else**

A discussion of the benefits of having toolkits for addressing the various stakeholders in a road usage charge program, the elements that should be included, and effective engagement tactics.

### **Privacy – Is it still an issue?**

A discussion of whether privacy is still an issue, trends, and ways to discuss privacy in a road usage charge program.

### **RUC – Rate Setting**

What factors should be considered, how to present rates to a policy-making entity, and how to explain the rates and process to the public.

### **Working across State Lines – Addressing Challenges and Opportunities**

Based on the challenges of dealing with public funds, vehicle transfers, and other interoperability challenges, this is a discussion about how can jurisdictions address the issues and position themselves for success.



OREGO



AAMVA  
American Association of  
Motor Vehicle Administrators



RUC  
West  
NEW PATHS TO ROAD FUNDING

## Road Usage Charge Forum – 2017

September 18, 2017

Activity		Notes
Welcome		ODOT Director Matthew Garrett
Updates from RUC West States		Debra Perkins-Smith, Colorado DOT
<p><b><u>Technical Track</u></b></p> <p><b>Technology Options for Mileage Reporting</b>  <u>MODERATOR: Chuck Larsen, ODOT</u></p> <p><u>PANELISTS:</u>  <b>Nate Bryer, Azuga</b>  <b>Neville Boston, Reviver</b>  <b>Fred Blumer, Vehcon</b>  <b>Sahas Katta, SmartCar</b></p>	<p><b><u>Business Track</u></b></p> <p><b>Public Engagement: What works, what doesn't, why it matters</b>  <u>MODERATOR: Angela Jacobs, FHWA</u></p> <p><u>PANELISTS:</u>  <b>Carrie Pourvahidi, CalTrans</b>  <b>Colleen Gants, PRR</b>  <b>Su Embree, DHM Research</b>  <b>Brendan McCann, SB Capitol Solutions</b></p>	Panel Discussion
<p><b>Vendor Certification: Balancing Governance and Innovation</b>  <u>MODERATOR: Chuck Larsen, ODOT</u></p> <p><u>PANELISTS:</u>  <b>Markell Moffett, ODOT</b>  <b>Darren Stautz, Azuga</b>  <b>Ben Miners, IMS</b>  <b>Caroline Furlan, emovis</b>  <b>Tim Kirby, CO DOT</b>  <b>Bob Siegel, Accenture</b></p>	<p><b>Rural-Urban Impacts</b>  <u>MODERATOR: Daniel Porter, ODOT</u></p> <p><u>PANELISTS:</u>  <b>Starr McMullen, OSU</b>  <b>Stephen Fitzroy, EDR</b>  <b>Carrie Pourvahidi, CalTrans</b></p>	Panel Discussion
Speakers: <b>Dr. Patricia Hendren</b> , Executive Director of the I-95 Corridor Coalition, presenting on the I-95 MBUF project		





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Activity		Notes
<p><b>Technical Interoperability</b>  <u>MODERATOR:</u> <b>Markell Moffett</b>, ODOT</p> <p><u>PANELISTS:</u>  <b>Ben Miners</b>, IMS  <b>Darren Stautz</b>, Azuga  <b>Caroline Furlan</b>, emovis  <b>Bob Siegel</b>, Accenture  <b>Patrick Vu</b>, Silicon Transportation Consultants  <b>Chris Tucker</b>, TriMet</p>	<p><b>Interoperability Opportunities: Public Funds, Reciprocity, Vehicle Transfers &amp; More</b>  <u>MODERATOR:</u> <b>Kathryn Jones</b>, ODOT</p> <p><u>PANELISTS:</u>  <b>Bill Nessly</b>, OR DOJ  <b>Andrew Conway</b>, CA DMV  <b>Anthony Buckley</b>, WaDOT  <b>Tim Kirby</b>, CoDOT  <b>Trish Hendren</b>, I95 Corridor Coalition</p>	Panel Discussion
<p><b>Open Architecture</b>  <u>MODERATOR:</u> <b>Nathaniel Price</b>, FHWA</p> <p><u>PANELISTS:</u>  <b>Chuck Larsen</b>, ODOT  <b>Galen McGill</b>, ODOT  <b>Mike Warren</b>, WSP  <b>Lou Neudorff</b>, CH2M  <b>Patrick Vu</b>, Silicon Transportation Consultants</p>	<p><b>Toolkit Development: Volunteers, Account Managers, Media &amp; Everyone Else</b>  <u>MODERATOR:</u> <b>Kathryn Jones</b>, ODOT</p> <p><u>PANELISTS:</u>  <b>Nate Bryer</b>, Azuga  <b>Michelle Godfrey</b>, ODOT  <b>Tim Kirby</b>, CoDOT  <b>Denise Walz</b>, PRR</p>	Panel Discussion



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NEW PATHS TO ROAD FUNDING

**September 19, 2017**

Activity		Notes
<b>Technical Track</b> <b>Connected &amp; Autonomous Vehicles: New Challenges</b> <b>MODERATOR: Andrew Dick, ODOT</b>  <u>PANELISTS:</u> <b>Robert Bertini</b> , Center for Urban Transportation Research <b>Jeff Tumlin</b> , Nelson Nygaard <b>Noah Siegel</b> , MSH Strategy	<b>Business Track</b> <b>Privacy – Is it still an issue?</b> <b>MODERATOR: Michelle Godfrey, ODOT</b>  <u>PANELISTS:</u> <b>Adrian Moore</b> , Reason Foundation <b>Su Embree</b> , DHM <b>Maureen Bock</b> , ODOT <b>Tim Kirby</b> , CoDOT	Panel Discussion
<b>Concept of Operations and System Requirements</b> <b>MODERATOR: Chuck Larsen, ODOT</b>  <u>PANELISTS:</u> <b>Frederic Charlier</b> , ClearRoad <b>Darren Stautz</b> , Azuga <b>Matthew Dorfman</b> , D’Artagnan <b>Trey Baker</b> , WSP	<b>RUC – Rate Setting</b> <b>MODERATOR: Jack Svadlenak, ODOT</b>  <u>PANELISTS:</u> <b>Daniel Porter</b> , ODOT <b>Travis Dunn</b> , D’Artagnan <b>Craig Campbell</b> , AAA of Oregon and Idaho	Panel Discussion
<b>Common Administrative System</b> <b>MODERATOR: Markell Moffett, ODOT</b>  <u>PANELISTS:</u> <b>Darren Boss</b> , GSquared <b>Chuck Larsen</b> , ODOT <b>Brian Zelinka</b> , ODOT <b>Bo Camero</b> , ODOT	<b>Working across State Lines – Addressing Challenges and Opportunities</b> <b>MODERATOR: Angela Jacobs, FHWA</b>  <u>PANELISTS:</u> <b>Carrie Pourvahidi</b> , CalTrans <b>Jeff Doyle</b> , D’Artagnan <b>Maureen Bock</b> , ODOT <b>Tim Kirby</b> , CoDOT <b>Joe Fuller</b> , Vehcon	Panel Discussion
Speakers: <b>David Ungemah</b> , Vice President / Director, Managed Lanes & Roadways Service Area Advisory Services, U.S		
<b>Procurement to Production – The Working Relationship between Technical &amp; Business People</b> <b>MODERATOR: Jim Atkins, ODOT</b>  <u>PANELISTS:</u> <b>Kathryn Jones</b> , ODOT <b>Mahrokh Arefi</b> , emovis		Brainstorming Q&A Group Session



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Activity	Notes
<p><b>Nate Bryer</b>, Azuga  <b>Frederic Charlier</b>, ClearRoad  <b>Ben Miners</b>, IMS  <b>Chuck Larsen</b>, ODOT</p>	
<p style="text-align: center;"><b><u>Closing Plenary Session</u></b></p> <p><b>Challenges &amp; Opportunities</b>  <b>MODERATOR: Travis Brouwer</b>, ODOT</p> <ul style="list-style-type: none"> <li>• Project Updates &amp; Looking Forward <ul style="list-style-type: none"> <li>○ <b>Carrie Pourvahidi</b>, CalTrans</li> <li>○ <b>Nina Elter</b>, ERoads</li> </ul> </li> <li>• The Intersection of DMV Functions with RUC &amp; Other Agencies <ul style="list-style-type: none"> <li>○ <b>Michael DeMers</b>, MoDOT</li> <li>○ <b>Andrew Conway</b>, CA DMV</li> </ul> </li> <li>• Public Education – Explaining Concepts and the Technology to the Lay People</li> <li>• Account Managers: What works? What are the challenges?</li> <li>• Intersection of RUC and Location Based Pricing</li> <li>• Q &amp; A</li> </ul>	<p>Brainstorming  Q&amp;A  Group Session</p>



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**AAMVA**  
American Association of  
Motor Vehicle Administrators



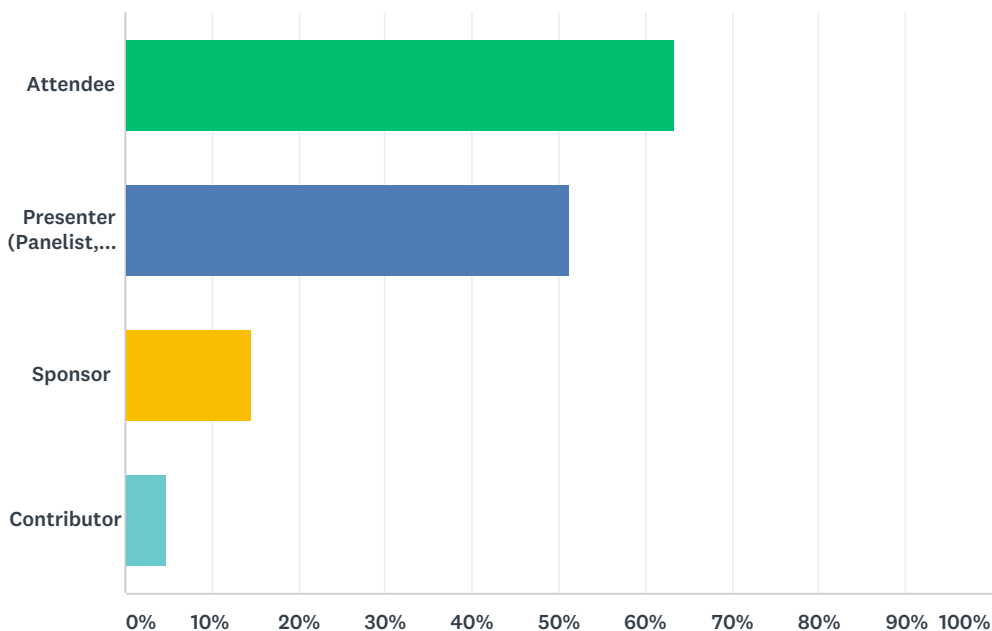
**RUC west**  
NEW PATHS TO ROAD FUNDING

**September 20, 2017**

Activity	Notes
<p><b>Open Forum –What are the next steps? What questions remain?</b>  <b>MODERATOR: Maureen Bock, ODOT</b></p> <p>Address parking lot questions from previous days. Updates on current projects.</p> <p>What an open architecture enables.</p>	<p>Address, if possible, the items raised in Challenges and Opportunities</p>

## Q1 What brought you to the RUC Forum?

Answered: 41 Skipped: 0

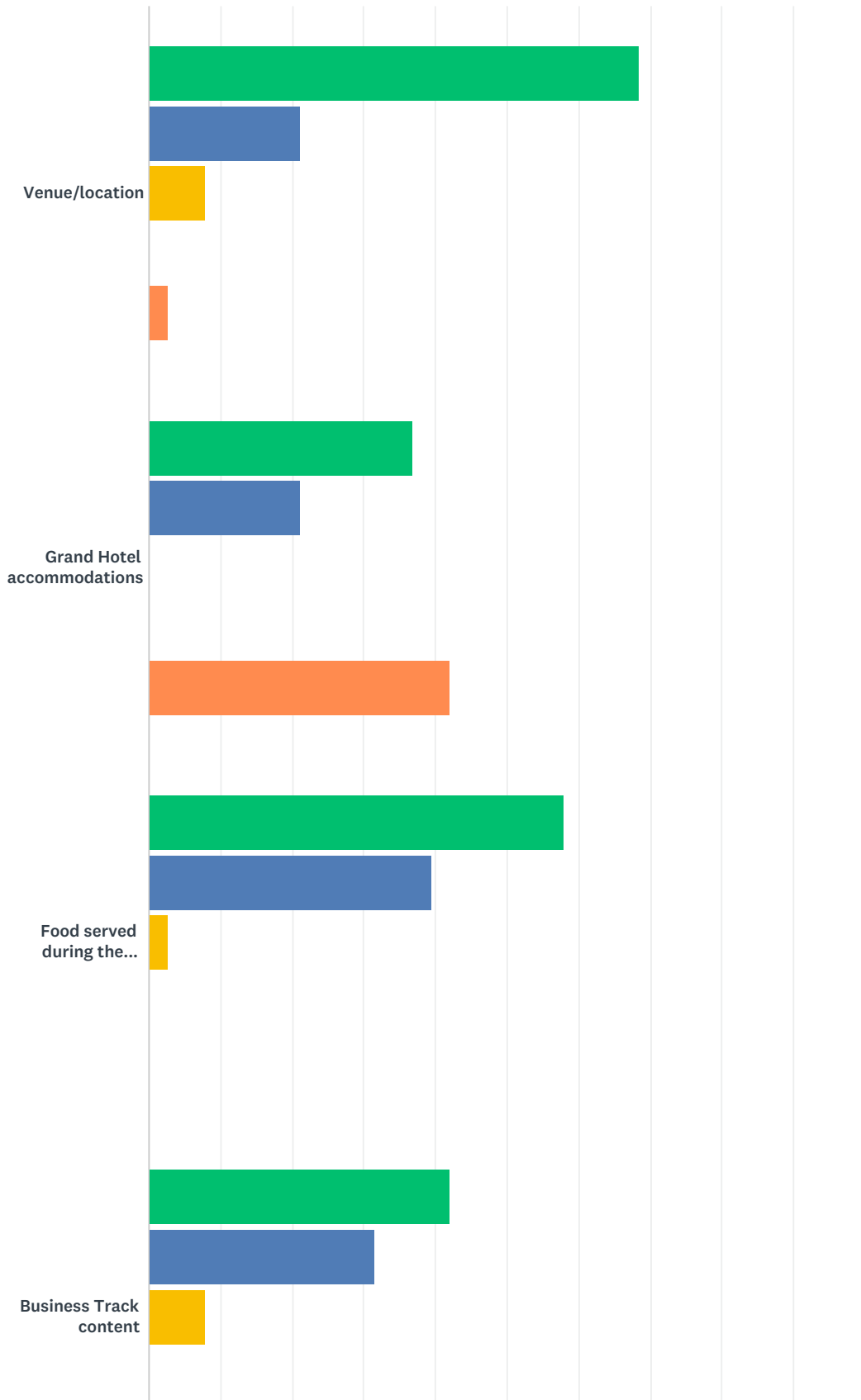


ANSWER CHOICES	RESPONSES
Attendee	63.41% 26
Presenter (Panelist, Moderator, Speaker)	51.22% 21
Sponsor	14.63% 6
Contributor	4.88% 2
Total Respondents: 41	

#	DO YOU HAVE MORE TO SHARE ABOUT WHAT PROMPTED YOU TO ATTEND?	DATE
1	Very interested in future compacts for mileage based fuel tax assessments.	10/6/2017 6:06 AM
2	Right mix of participants and discussions.	10/3/2017 1:37 PM
3	Interested in where states are in tackling their issues with finding replacement funding for gas tax.	10/3/2017 9:27 AM
4	very necessary conference and conversation that wasn't occurring at the national level before.	9/28/2017 7:28 AM
5	Tie in with MBUFA meeting.	9/27/2017 8:11 PM
6	Learn more about ODOT and states working on RUC.	9/27/2017 4:46 PM
7	Being an Oregonian, the concept interested me.	9/27/2017 3:24 PM
8	Interest in learning about new developments in RUC technology	9/27/2017 3:22 PM
9	interested in RUC	9/27/2017 1:47 PM
10	I have been active in piloting road charges in California	9/27/2017 1:41 PM
11	I enjoy partnering with ODOT on OReGO and this was a great opportunity to meet others involved in Road Usage Charging.	9/27/2017 1:41 PM
12	Interested in learning about developments at State level in the US	9/27/2017 1:40 PM

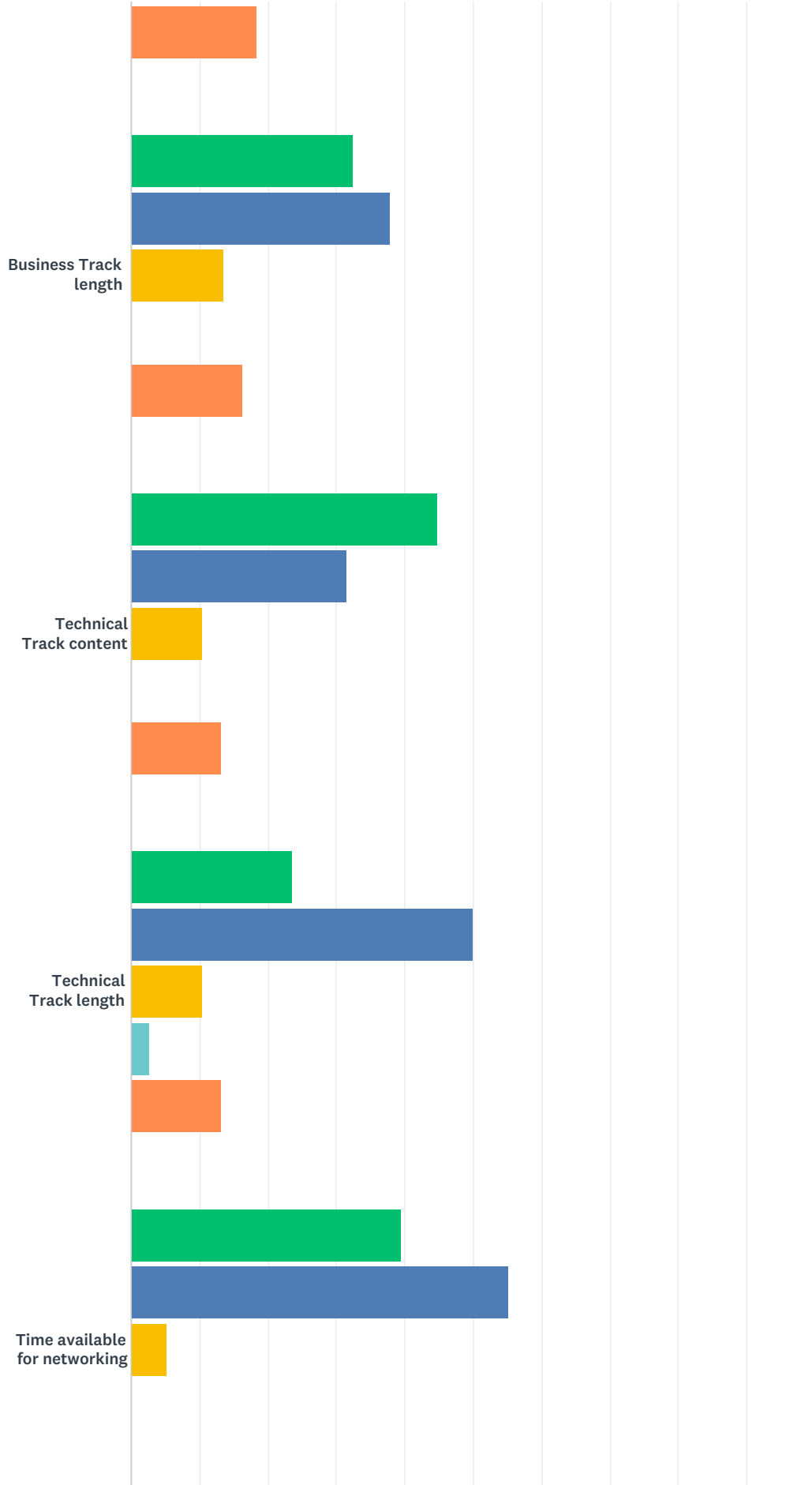
## Q2 How would you rate the following?

Answered: 38 Skipped: 3

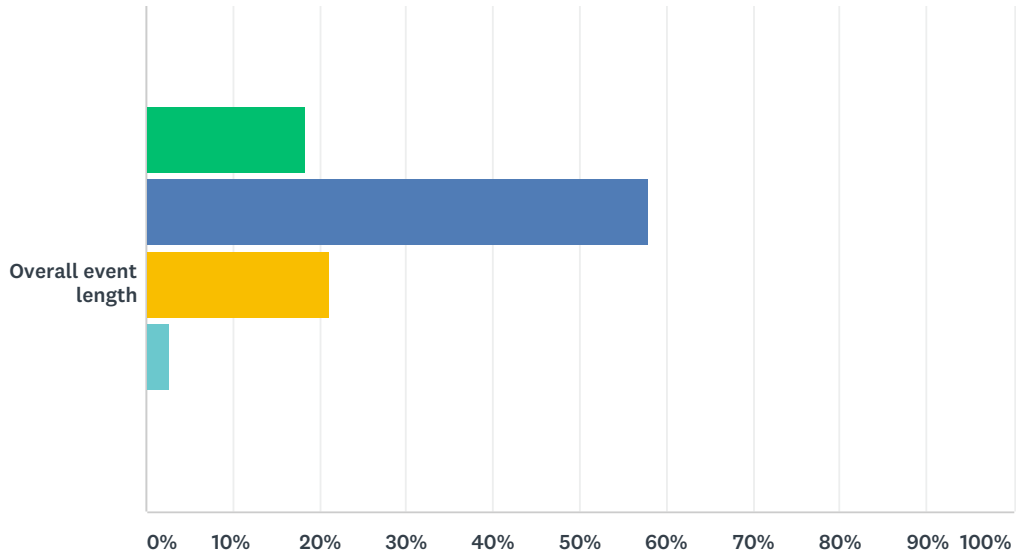




Road Usage Charge Forum 2017 - Salem, Oregon, USA



## Road Usage Charge Forum 2017 - Salem, Oregon, USA



■ Excellent   
 ■ Good   
 ■ Fair   
 ■ Poor   
 ■ Don't know or N/A

	EXCELLENT	GOOD	FAIR	POOR	DON'T KNOW OR N/A	TOTAL
Venue/location	68.42% 26	21.05% 8	7.89% 3	0.00% 0	2.63% 1	38
Grand Hotel accommodations	36.84% 14	21.05% 8	0.00% 0	0.00% 0	42.11% 16	38
Food served during the event	57.89% 22	39.47% 15	2.63% 1	0.00% 0	0.00% 0	38
Business Track content	42.11% 16	31.58% 12	7.89% 3	0.00% 0	18.42% 7	38
Business Track length	32.43% 12	37.84% 14	13.51% 5	0.00% 0	16.22% 6	37
Technical Track content	44.74% 17	31.58% 12	10.53% 4	0.00% 0	13.16% 5	38
Technical Track length	23.68% 9	50.00% 19	10.53% 4	2.63% 1	13.16% 5	38
Time available for networking	39.47% 15	55.26% 21	5.26% 2	0.00% 0	0.00% 0	38
Overall event length	18.42% 7	57.89% 22	21.05% 8	2.63% 1	0.00% 0	38

### Q3 How frequently do you think RUC Forums should take place?

Answered: 37 Skipped: 4

#	RESPONSES	DATE
1	possibly every 2 years, however I do realize how much work is involved in putting together and hosting such an event	10/6/2017 10:36 AM
2	As frequently as changes occur that are beneficial to all. Annually at the least.	10/6/2017 6:07 AM
3	at least every other year but yearly would be better during this early phase	10/4/2017 10:53 AM
4	once per year	10/3/2017 3:44 PM
5	Every two years.	10/3/2017 1:38 PM
6	Annually.	10/3/2017 9:28 AM
7	Every year or two.	10/2/2017 2:55 PM
8	1-2 years	10/2/2017 1:23 PM
9	Every two years.	9/29/2017 11:09 AM
10	Every 1-2 years.	9/29/2017 10:31 AM
11	Annually.	9/29/2017 10:00 AM
12	Annually	9/29/2017 7:56 AM
13	Once a year seems good	9/29/2017 1:02 AM
14	Biannually.	9/28/2017 12:53 PM
15	I'd like to say once a year until a there are a number of states participating in RUC within their state, but every two years seems more reasonable.	9/28/2017 12:35 PM
16	During the STSFA Grant period, I think every year could be beneficial as more and more states conduct their own pilots and can share lessons learned.	9/28/2017 10:02 AM
17	every 2 years	9/28/2017 8:07 AM
18	annually	9/28/2017 7:29 AM
19	I don't know but it may make sense to combine with other groups such as MBUFA or TRB.	9/27/2017 8:15 PM
20	every 2 years	9/27/2017 4:47 PM
21	At least annually	9/27/2017 3:53 PM
22	Annually.	9/27/2017 3:25 PM
23	Every 2 years	9/27/2017 3:24 PM
24	Once a year	9/27/2017 2:39 PM
25	Annually	9/27/2017 2:38 PM
26	I think annual forums are appropriate so we can share ideas and invite new pilot projects to present and learn about existing projects	9/27/2017 1:59 PM
27	Annually.	9/27/2017 1:58 PM
28	annually	9/27/2017 1:54 PM
29	Annually in different states	9/27/2017 1:52 PM
30	Biennial event would be good.	9/27/2017 1:51 PM
31	once a year	9/27/2017 1:49 PM
32	Annually	9/27/2017 1:47 PM

## Road Usage Charge Forum 2017 - Salem, Oregon, USA

33	every other year	9/27/2017 1:46 PM
34	Yearly	9/27/2017 1:44 PM
35	hard to say - if more states start to pilot programs another event next year makes sense. If not, maybe two years.	9/27/2017 1:43 PM
36	Every two years. Things change at a rapid pace and we want to stay up on the latest / greatest but at the same time, annually might be too much.	9/27/2017 1:42 PM
37	Once a year	9/27/2017 1:41 PM

## Q4 What topics would you like to see included in future RUC Forums?

Answered: 23 Skipped: 18

#	RESPONSES	DATE
1	Continue with existing topics and how compacts will be developed. Also, technology issues in tracking vehicle mileage.	10/6/2017 6:07 AM
2	This is the right mix for now. In the future, we need to hear more about lessons learned from deployed projects and guidance for future projects.	10/3/2017 1:38 PM
3	Updates and lessons learned discussions on pilot programs and/or next steps taken after pilots.	10/3/2017 9:28 AM
4	Continued progress from FAST Act grants	10/2/2017 1:23 PM
5	Greater discussion of subsystems.	9/29/2017 11:09 AM
6	National and State Legislature involvement Lessons Learned from Pilots	9/29/2017 10:31 AM
7	Where we are with standardizing data between states. The types of technology being looked at.	9/28/2017 12:53 PM
8	I would like to hear more about what's going on across the country with RUC. I would have liked to hear from the 8 STSFA 2016 grant recipients and what they are exploring.	9/28/2017 10:02 AM
9	Tolling, general transportation finance, technology session around supporting technology, 5G wireless, in vehicle telematics, etc...	9/28/2017 8:07 AM
10	presentation or speech by USDOT or FHWA official	9/28/2017 7:29 AM
11	interoperability with other transportation modes	9/27/2017 4:47 PM
12	Political implications. I didn't see any elected officials there.	9/27/2017 3:25 PM
13	The panel discussions were good, but there was some overlap between sessions. More presentation style sessions would help with more organization of content in the session.	9/27/2017 3:24 PM
14	Congestion pricing	9/27/2017 2:38 PM
15	I think we need more coverage on emerging technologies and how to integrate. We also need to discuss how other states are capturing new user fees with old admin systems	9/27/2017 1:59 PM
16	Actual working/brainstorming sessions, sort of like what we had on the third day of the Forum.	9/27/2017 1:58 PM
17	standards, enforcement, verification, DMV involvement, RUC as a platform for other transportation related activities	9/27/2017 1:54 PM
18	More of the same, but with some of the segments being longer. For example, would like to hear more about the other states' work in this area.	9/27/2017 1:51 PM
19	High level status update, by state	9/27/2017 1:49 PM
20	Service and technology providers.	9/27/2017 1:46 PM
21	I'd like to learn more about existing fee structures in states where RUC is being discussed.	9/27/2017 1:43 PM
22	More Agency thoughts on how to pay for infrastructure and even national groups.	9/27/2017 1:42 PM
23	I would like to hear more about the progress/developments/challenges from individual States involved in RUC activities	9/27/2017 1:41 PM

## Q5 Do you have any additional feedback? (Please include your contact information if you would like us to contact you.)

Answered: 20 Skipped: 21

#	RESPONSES	DATE
1	great job Oregon DOT and everyone else who put this together - we all appreciated the efforts	10/6/2017 10:36 AM
2	Looking forward tot he next meeting. please contact: Glenn Turner, glennturner@afo.net for future meetings-large or small meetings. Tks.	10/6/2017 6:08 AM
3	Great event - pleasantly surprised.	10/3/2017 1:38 PM
4	Needed more microphones. The sharing of microphones meant it was hard to hear some speakers.	9/29/2017 11:10 AM
5	Suggest to make it a 2-day event (instead of 3 days) and if possible in coordination with MBFUA & RUC West meetings which could take place the day after to maximize presence and minize trips	9/29/2017 1:03 AM
6	None, but would like more information on pilot participation within RUC West.	9/28/2017 12:54 PM
7	Great Forum, great feedback, a lot of good networking and industry input.	9/28/2017 12:36 PM
8	I think this could have been done in 1 day or 1.5 days max. There was a lot of overlap on the topics and discussions and all the panels seemed to have the same people. Add variety to your panelists.	9/28/2017 10:03 AM
9	Excellent event, thank you!	9/27/2017 3:53 PM
10	The conference was a little long. A day and half would be perfect.	9/27/2017 2:50 PM
11	Facility was too cold. It made it uncomfortable to be in attendance.	9/27/2017 2:39 PM
12	It would have been helpful to have the speaker names in the printed program. Thank you for a wonderful event!	9/27/2017 2:14 PM
13	I enjoyed the conference, but felt that some of the content was just getting discussed over and over. I would have liked fewer panels. Mix in some more formal presentations with details about their projects	9/27/2017 2:00 PM
14	Suggestion: Longer time between each panel. There were some panels that people wanted to continue discussing afterwards, but another panel was scheduled to start within 5 minutes.	9/27/2017 1:58 PM
15	very minor, but limit panels to 4 or 5 panelists. 6 or more gets complicated. Try to get some people that don't want RUC included. get their perspective. i.e. if not RUC, then what? Definitely try to get some politicians. local and state.	9/27/2017 1:57 PM
16	Compressing to 1 day might be good.	9/27/2017 1:49 PM
17	the meeting rooms were very cold.	9/27/2017 1:46 PM
18	I really enjoyed the conference. I'm not sure the third day added a lot of value given the narrowness of the topic, but this conference was very worthwhile.	9/27/2017 1:44 PM
19	It was well hosted and a lot of fun to meet folks who are thinking about the upcoming changes.	9/27/2017 1:43 PM
20	The Forum was very useful, but I felt it was heavy on panel discussions, but perhaps weak on reports, findings, presentations, research methods, effective communications plans, etc.	9/27/2017 1:43 PM