

# **A problem shared, is a problem halved - how the transportation SE community is learning from its shared experiences (Roundtable)**

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**Abstract.** The key objective of this year's TWG Roundtable will be to examine the shared opportunities and challenges in five areas with transportation Systems Engineering professionals \_ ultimately aiming to engender an understanding of the common problems we all face in transportation SE. It will provide the opportunity promote better understanding of the areas where the transport industry is struggling with SE application and with common systems challenges; and also provide the opportunity for organizations that are making advances to share and promote progress elsewhere. Thus the session is likely to be of value to more experienced practitioners (through sharing and debating common issues) and new or undecided practitioners (through demonstrating that others are dealing with similar challenges and the degree to which SE can help). Understanding the issues inherent in such challenges will provide a meaty subject for a robust roundtable debate and will produce genuinely useful outputs. The perspectives of different stakeholders including particularly Transit Agencies and other Transportation operators (Tolls, Traffic Control other surface Transportation operators) and the supply chain will be examined and contrasted. By exchanging discussion on the ongoing, day-job issues we're each facing in common. We can share what we know about the problem space. We each experience and 'see' a different aspect of the problem, we sit in various roles amidst the supply chain; and share what's begun to work, what little successes we've had. As this experience is shared- it reinforces the power of the network. It demonstrates that despite our differences (geographically, place in the supply chain, language/regulation, etc) that we have more in common when we compare our systems challenges and SE challenges. As the collective wisdom is exchanged we each pick up information we didn't have before we joined the Roundtable so we all benefit -there is much to share and collectively work out together.