



ITS easy as 1-2-SE

Applying Systems Engineering to ITS projects



Transportation Working Group
INCOSE International Workshop 2015

Introduction to INCOSE



Established
in 1990

Over 9,000 members in
30 countries

Defense and aerospace initially

Now includes:

- Transportation
- Automotive
- Healthcare
- Power and Energy
- Infrastructure

Introduction to the Transportation Working Group (TWG)



Established in 2006

Over 250 members in 10 countries



Introduction to the Transportation Working Group (TWG)



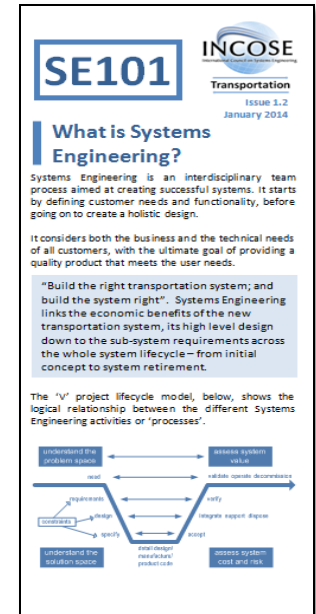
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Today's session

- Under FHWA Federal Rule 940, all Intelligent Transportation System (ITS) projects funded from the Highway Trust Fund must follow a Systems Engineering approach.
- Applies to both Highway and Transit

Today we examine Federal, state and local perspectives on SE with (and without!) Rule 940

Agenda

Theme	Title	Speaker
Intro	Welcome and Introduction	Simon Smith, INCOSE TWG co-chair
SE value	Optimizing Value Using Systems Engineering	David Springstead MARTA
Federal Perspective	Managing Rule 940 Implementation: expectations and reality	Jesse Glazer FHWA Los Angeles
State perspective	Caltrans' experience with Rule 940	Alan Benson Caltrans
Break	Coffee and snacks	
Local Perspective	SANDAG's experience with Rule 940	Peter Thompson SANDAG
Academic Perspective	Lean SE and Program Management	Prof. Bo Oppenheim Loyola Marymount University
Transit Perspective	NYCT's experience without Rule 940	Vinny Cavataio, NYCT Apologies: Bill Gleckler, NYCT
Wrap Up	Benefits and challenges - and how the TWG can help	Jean Souza, Jennifer Russell INCOSE TWG
Break	Lunch	