

INCOSE Transportation Working Group

News Brief: September 2020



APTA SE Subcommittee & INCOSE TWG – MOU is now signed by APTA President!



After INCOSE makes the MOU official (shortly), we are anticipating working together starting in October 2020 and will try to combine our meetings for the rest of the year. The intent is to enable our mutual set of volunteers to better focus efforts on practical promotion and use of Systems Engineering in Transportation and Transit. The aspiration is that, going forward, the two groups (already many of the same people!) will be able to share presentations and some solid project work products such as:

- the “APTA Systems Integration Standard” project work and
- the “APTA COVID 19 Taskforce – SE Subcommittee Input Report” project work.

Also, this MOU will provide a better business case for SE staff in transit agencies to attend joint APTA-INCOSE Systems Engineering events in the future.

We’re still ironing out the logistics of all this, so please consider this note as just a brief heads-up to both groups from your mutual friends at INCOSE (Including UK RIG) and APTA SE Subcommittee!

“...worlds are colliding” (ref: George from Seinfeld)

By copy of this, please consider attending this year’s virtual APTAtech event...

APTAtch Session: “[Transit Applications for Systems Engineering](#)”
Wednesday, September 9th at 3:15pm (US Eastern Time)



Systems engineering (SE) should be considered a means by which transit agencies can successfully deliver projects and meet agency and customer needs. Hear about MARTA case studies that underscore the benefits/successes of an SE approach. This session will also provide an update on the progress on the APTA Systems Integration Guide. Presented by David Springstead (MARTA) and Dale Brown (Hatch).



By copy of this, TWG are inviting our APTA SE Subcommittee friends to attend this very interesting Rail Systems Integration webinar event from the INCOSE UK Railway Interest Group (RIG) on Thursday, September 17th. Details on the next page.

INCOSE Transportation Working Group: incose.org
Co-Chairs: [Dale Brown \(Hatch\)](#), [Denis Simpson \(Jacobs\)](#), [Allison Ruggiero \(NYC Transit\)](#)
Webinar Contact: [Hoki Tse \(Metro Transit – Minneapolis/Saint Paul\)](#)



INCOSE Transportation Working Group 2020 Monthly Membership Meeting & Webinar Series

Thursday, September 17th, 2020

2:30pm – 3:30pm (US Eastern Time)

7:30pm – 8:30pm (British Summer Time)

Joint Webinar with INCOSE UK Railway Interest Group:

A new way forward for successful Systems Integration of Transport Projects in the UK?



East West Rail Company's (EWR Co) objectives are to 'Set a New Benchmark for Customer Experience' and to 'Optimise and Outperform our Business Case'. EWR Co's **Integration Framework Strategy (IFS)** supports these objectives by enabling the engagement of all relevant Industry Partners in the delivery of East West Rail and ensuring visibility of how EWR Co are to meet its Objectives as Arm's Length (independent) Representative of the UK Department for Transport (DfT).

As part of review of recent projects (Thameslink, Crossrail, HS2), East West Rail have identified specific **Systems Integration lessons learnt** that should be implemented at EWR Co. These will enable a smoother transition to and handover to the eventual operator, who will need full transparency and ability to own, deliver, and manage the operational railway.

Tanya will be discussing EWR Co's Integration Framework Strategy, which is made up of two key parts:

1. the "Industry System Integrator (ISI)" and
2. the "EWR Enterprise and System of Systems Architecture (EA, SoSA)".

These link the key EWR Co deliverables to establish a clear and transparent way to show how East West Rail is being delivered as a successfully integrated programme. It is supported by Technical Systems Integration and Commercial Governance. Ultimately, this leads to a **new way of thinking about Systems Engineering** in the context of delivering Benefits Realisation (justification) for why investment should be made in a programme of work. These will help EWR Co to meet our Customer Vision with an integrated approach to ensure traceability and visibility (to DfT) of how EWR Co is demonstrating its business case.

Presenter:

Tanya Galliara, CEng, CSEP – Operational Systems Integrator at East West Rail

Tanya Galliara has 17 years' experience, predominantly in the UK Rail sector. She was initially a Mechanical Engineer and then a Systems Engineer. Tanya has worked on rail projects such as Crossrail Abbeywood Station, HS2 Phase 1, and Trans-Pennine Route Upgrade. Tanya has also worked on Cross River Rail (Queensland Rail) and various projects at AWE and UKAEA. She currently holds the Chartered Engineer (IMECHE) and Certified Systems Engineering Professional (INCOSE) certifications.



Joining the Webinar



Preferred Web URL: https://incose.pgimeet.com/INCOSE_GMEleven

Alternate Call-in: (US) 1-866-398-2885; (UK) 0800 358 6385

Guest Passcode: 4994230059

*NOTE: This meeting will be recorded and uploaded onto INCOSE TWG YouTube Channel.
By participating in this meeting, you agree that your communications will be recorded at any time during the meeting.*