

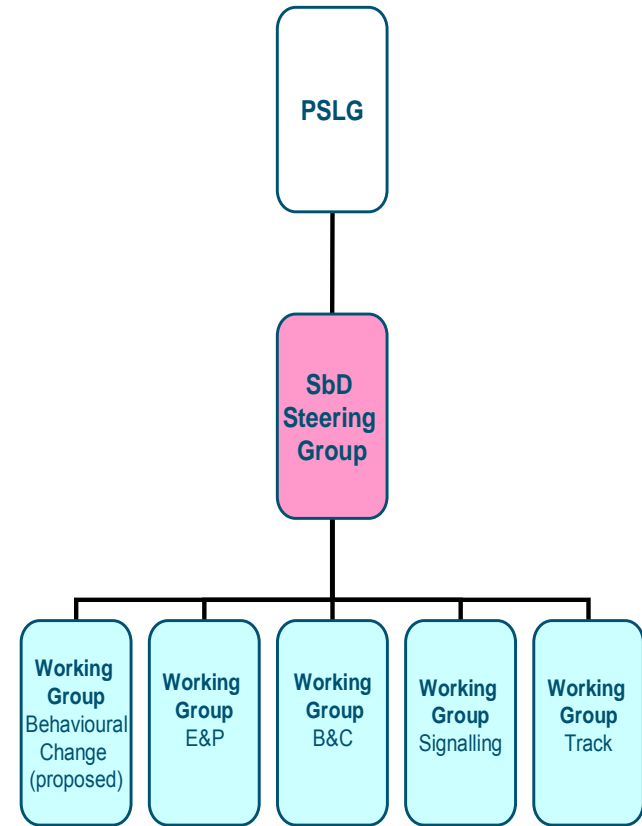
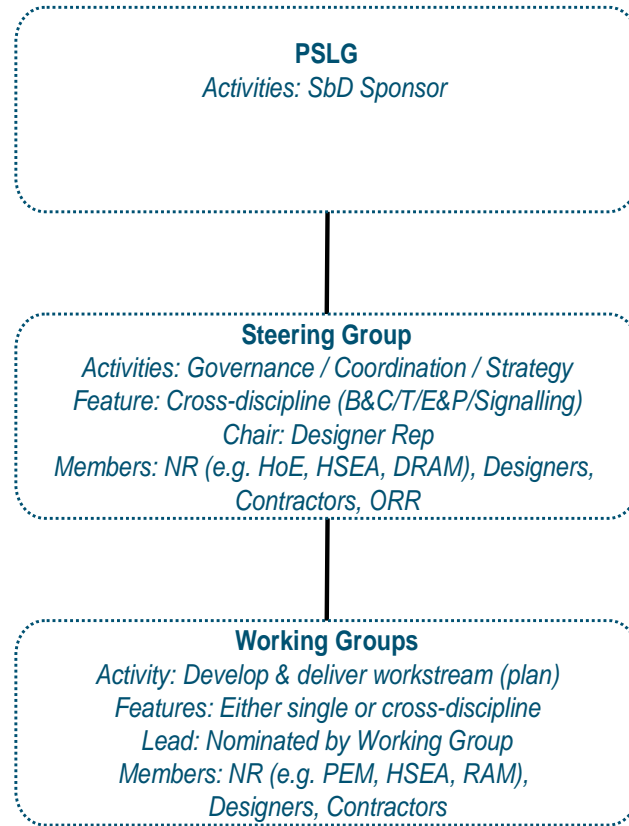
Safe by Design

Richard Molloy, Steering Group Chair

(PSLG Meeting: 22nd May 2014)

Purpose of SbD Steering Group

- To provide **strategic direction** and to **coordinate** the collaborative efforts by supply chain and Network Rail to make a step change in the way **occupational and system safety** is considered and embedded in the early stages of projects



Summary of Latest Progress

B&C

- ▶ First B&C young engineers SbD forum held
- ▶ Red & Green Lists focussed on Inspection & Maintenance of assets - initial ideas gathered. These will be developed with AM and rolled-out nationally

E&P

- ▶ Now forms part of the Rail Electrification Delivery Group (REDG)
- ▶ Focus is on Behaviours (including Red & Green Lists)
- ▶ Created a link with National Electrification Safety Improvement Programme (NESIP)

Signalling

- ▶ Unification of 3 streams of works in signalling design: (1) Assured Project Delivery, (2) Proportionate / Appropriate design, & (3) IRSE Council led 'signalling design process assurance review'
- ▶ APD will be primary title but all will be elements of Safe by Design effort

Track

- ▶ Exec level commitment to making SbD BaU within the Track discipline.
- ▶ Added governance through Track Safety Alliance (TSA)

Monitoring the impact of 'SbD'

- ▶ **SbD Safety Central** page hits / downloads
- ▶ **PRISM** data (Engineering Assurance element).
- ▶ **DRN** data (proposed new positive "Type 5" comment for recording SbD good practices or design features)

- ▶ *Example of the challenges to overcome when using DRN:*
- ▶ *Absence of a positive "Type 5" SbD comment being perceived as a negative against the CRE/CEM – particularly when the design solution is being influenced by Network Rail's client specified requirements and other project scope constraints.*

Questions for PSLG [Feedback]

- ▶ SbD Steering Group consider the diversity of discipline Working Groups (e.g. their approaches and areas of focus) is the right way forward. Does PSLG continue to support this?
- ▶ *[General Agreement, Roger Dickinson requested an additional meeting to understand in more detail the newer delivery streams as he had not had any detailed feedback about engagement with the programme from his team. Is anyone on the steering Group close to Roger, that would be willing and able to support with this action?]*
- ▶ When does SbD become BaU? Currently considered by Steering Group to be WIP, and that support/backing of PSLG is essential. Does PSLG agree?
- ▶ *[Agreement that the initiative was still WiP and not BaU, question to be raised again at future PSLG presentations in say 12 months.]*
- ▶ Change of Chair. We welcome your nominations / suggestions?
- ▶ *[The attendees agreed to advise if they thought of suitable candidates.]*

Appendix – Working Group Progress Reports

B&C discipline Update:

First B&C young engineers SbD forum held

- ▶ Representation from 16 companies by graduate engineers to discuss and review SbD best practice
- ▶ 12 engineers presented examples of SbD best practice
- ▶ All presentations to be available on SbD Safety Central site

Debated and agreed red and green lists for desirable and undesirable behaviours towards SbD

Used specific project examples to review the roles and responsibilities of the key safety post holders under CDM

Red & Green Lists focusing on Inspection & Maintenance of B&C railway assets have been debated and the initial thoughts gathered. Further work is needed to develop these with AM and roll-out nationally.

Next meeting to discuss formalising the use of warning triangles and/or 'she' boxes to highlight hazard identified in designers risk assessments

Achievements so far

- Safe by Design Group Established - Designers, Contractors & Client Delivery Representation
- Focus on Behaviours
- Adopted and Influenced the Production of the Central Electrification Team's SbD Guidance Documentation
- Created a link with National Electrification Safety Improvement Programme (NESIP)
- Potential to Influence Standard/Pan Development

What Does Success Look Like?

- Review the Design process and Outputs
 - Should deliverable content be set by historic norms or the Project Engineer?
 - Define the correct information required for Installation and Operation
 - Stakeholders - Assurance, People & BIM Working Groups
 - Examples
 - Staged AFC
 - Set no go areas – define all residual Hazards
 - Adjacent Line Open introduced to Cross Sections

Signalling discipline Update:

Change of lead – Mark James vice Pat McFadden with Neil Porter (Atkins)

Unification of 3 streams of works in signalling design:

- ▶ Assured Project delivery
- ▶ Proportionate / Appropriate design
- ▶ IRSE Council led ‘signalling design process assurance review’

- ▶ Assured Project Delivery will be primary title but all will be elements of safe by design effort for signalling
- ▶ Currently working upon:
 - Signalling Source records, hazard and risk identification, culture & behavioural aspects, tools & methods and constructability matters
- ▶ Comms plan in production
- ▶ New schedule of meetings, new attendees involved (beyond major frameworks resources)
- ▶ Building initial deliverables upon 2013 Westwood workshop outputs.

Track discipline update:

Forum # 5 held 28th April 2014 at Babcock Training School, Manchester

- ▶ Exec level commitment (from Steve Featherstone) to making SbD business as usual within the Track discipline.
- ▶ Added governance through Track Safety Alliance (TSA). Industry forum led by Nick Millington (Director, Safety and Assurance) and including IP Track principal contractors MD's and Union representation.
- ▶ Track forum will report into TSA on progress of work streams.
- ▶ Inclusion of IP Track 'Heat' list for top 10 priority hazards within the scope of the forum.
 - Against our five work streams can we effect change in these hazards?
 - Each group to identify at least one quick win' to be implemented in the next quarter (May to July 2014).
- ▶ Taking SbD ethos and progress to the client directly to reinforce the need for wider business commitment, e.g. RAM(T), via PHoT tech meetings and quarterly governance and safety briefs.