



INCOSE UK Chapter – Rail Interest Group

Network Rail - Towards a Total System Approach 1730H for 1800H, Tuesday, 6 June 2006

Brian Halliday, Network Rail's Systems Integration and Reliability Manager, will be bringing members up-to-date with Systems Engineering within Network Rail. Brian will describe what has been achieved within Network Rail over the last eight years, including:

- Meeting the Business Needs – the System Specification
- Application of Systems Modelling
- Integrated approach to Scheme Design
- Adoption of Staged Development through GRIP process
- Role established for Systems Integration / Enhancement Engineering

Brian will go on to outline the key challenges that lie ahead, including:

- Improving integration within distributed railway systems (Design Integration; Route Schemes Integration and Renewals; and Enhancements Integration)
- Re-focusing Acceptance Processes to ensure new products/systems are 'Fit for Purpose'
- Establishing common Systems Engineering approach across all projects: One business – One way

The meeting will take place at Network Rail's offices at 40 Melton Street, London. Non-members are welcome and there is no charge for attendance but places must be booked in advance. To book, obtain directions or for any other questions, please contact the RIG Chair, Bruce Elliott (bruce.elliott@atkinsglobal.com or +44 (0)7970 694043).

The International Council on Systems Engineering (INCOSE) is an international professional society for systems engineers whose mission is to foster the definition, understanding, and practice of world-class systems engineering in industry, academia, and government. INCOSE was formed in 1992 to develop, nurture, and enhance the interdisciplinary approach and means to enable the realization of successful systems. Since then, INCOSE has grown dramatically. Today there are over 5,000 member systems engineers, 50 chartered chapters worldwide, and more than 40 Corporate Advisory Board members from government, industry, and academia.

The INCOSE UK Rail Interest Group has been formed:

- *To provide a forum for those interested in Systems Engineering in rail to network in a less formal environment, to exchange good practice and to provide mutual support in an area which can require some sustained perseverance;*
- *To promote, improve and share the practice of Systems Engineering within the rail industry;*
- *To foster connections with other professional bodies within rail and thereby promote cross fertilisation of knowledge and experience across sectors and community disciplines; and*
- *To promote awareness of INCOSE UK and encourage membership within the rail industry.*

For further information, see <http://www.incose.org.uk/rig.htm>.