



Systems Engineering Meeting to review the capability of Small and Medium sized Enterprises to utilise System Engineering:

Many larger businesses utilise Small and Medium sized Enterprises (SME's) to carry out work on their own products or services either internally or for development on behalf of clients. Many SME's, be they external contractors or specialist teams within an organisation, provide essential and high value services which compliment the range of activities that larger organisations can offer within an integrated Systems Engineering approach.

This apparent integration belies the fact that the SME's are asked to operate under the burden of a System Engineering process created for the larger enterprise. The reality may be that a more tailored approach by the larger organisation could help them to better utilise high value SME input; or that SME's could define a "Systems Engineering Light" model, better defining the aspects of Systems Engineering relevant to their project roles.

Such an approach may provide a better basis for SME's to provide services essential to the success of larger projects, and deal better with the technical and financial risks inherent in smaller organisations.

This concept of a tailored or SE-Light approach has been discussed in various INCOSE groups and meetings and examples are evident in such Working Groups as the "Very Small & Micro Entities" to develop tailored guidance or where APCOSE reviewed SME vertical integration in Taiwan.

An open informal meeting is proposed to discuss the problem and identify if INCOSE UK should establish a Working Group to look at the issue and any SME-Light concepts that could be applicable.

SME Working Group Concept

- To improve and make product/project development encompassing SME's more efficiently by using Systems Engineering concepts
- Elaborate tailoring guidance to apply to large organisations to assist SME integration
- Elaborate tailoring guidance for SMEs to apply relevant Systems Engineering in the context of either a prime or subcontractor integrated consultant or design role.
- To contribute to standardization of the roles of systems engineering across multi enterprise project organisations.

Date: 17/10/11 **Time** 1530-1700

Venue: Halcrow Group Ltd
 Elms House
 43 Brook Green
 London W6 7EF

Room: Milton (ground floor/reception)

Notification for Attendance: ParsonsJ@halcrow.com

Contact J.Parsons Tel: 0203 4798734

Elms House Reception Tel: 0203 4798000

Maps: <http://www.halcrow.com/Contact-us/Offices/United-Kingdom/London-Elms-House/>

Google Map:

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