INCOSE Ltd Annual General Meeting 2012

UK Council Report
David Wright, 1952-2012

• INCOSE
  – Joined INCOSE in 1995
  – Voted President Elect in 2011
  – Variety of UK and Intl Board roles

• Academic/Professional
  – First degree in Physics
  – MSc in Guided Weapon Systems
  – MPhil in Defence Acquisition
  – CEng, FIET

• Career
  – 30 years in Army, retired as Col in 2004
  – BD Director with Lockheed Martin
President’s Report

• Overall position
  – Still in economic doldrums but UK Chapter performing well
  – Individual membership sustaining, corporate up

• Highlights
  – Joint INCOSE/IET 1\textsuperscript{st} Movers Initiative
  – ERC up and running smoothly
  – Refreshing WGs and products, SE/PM initiative
  – Sell out conference again!

• INCOSE international
  – Regional representation (EMEA)
  – Upcoming presidential elections
Update on the Strategy
Finance Director’s Report

Breakdown of Income to 31 May 2012

Total income for 2012: £195,683

- More bookings at ASEC (2011)
- Full year at new rates set by CO
Finance Director’s Report

Breakdown of Expenses to 31 May 2012

- Increased payments to CO
- ASEC (2012) venue deal
- Increasing admin workload
- Total expenses down at £170,411

Opening stock
Production costs - SE Competency Framework
Event costs
Subscriptions payable to Central Office
Exchange variance on foreign currency
Closing stock
Administrative expenses
Total Expenses

INCOSE UK ASEC 2012: “Building a Better Future”
Finance Director’s Report

Overall Outcome to 31 May 2012

2012 Income £195,683
2012 Expenses £170,411
2012 Profit £26,434
2012 Reserves £97,404
# Technical Director’s Report

## Working (WG) & Interest Group Activities

<table>
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<tr>
<th>Group</th>
<th>Activities</th>
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                               | 2. Enterprise Systems Engineering including input to SEBoK  
                               | 3. Architecting Practice including Service Architecture |
| Capability WG                 | 1. Dissemination of activities and results of working group  
                               | 2. Panel presentations in Capability/SoS at INCOSE IS12  
                               | 3. Some outputs included in BKCASE |
| MBSE WG (new)                 | 1. Opening a dialogue with the International MBSE Initiative, other UK WGs & RIG  
                               | 2. Recruiting members interested in participating  
                               | 3. Defining our purpose and objectives |
| Rail Interest Group (RIG)     | 1. Forum for railway SEers to pool experience and ideas  
                               | 2. Now in 8th year of operation  
                               | 3. No drying up; contacts continue to grow  
                               | 4. Initiating joint workshop with APM: 15th January 2013 |
Technical Director’s Report

Z guides (public access/outreach):
• Z1: What is SE?
• Z2: Enabling SE
• Z3: How SE can save your business money
• Z4: Soft Systems Methodology
• Z5: Lean Enablers for SE
• Z6: Systems Engineering Competency Framework
• Z7: Systems Thinking
• Z8: Architectures/Architecting
• Z9: Model-Based Systems Engineering (MBSE) – new
• Capability Engineering – under consideration

New ω guides (‘how to’, working guides – members only):
• ω1: Stakeholder Identification and Balancing Conflicting Requirements
• ω2: N²
• ω3: QFD (Quality Function Deployment)

Z and ω guides have also been put into web format on the INCOSE UK web site
Progress following IET – INCOSE UK Agreement...

- **1\textsuperscript{st} Movers’ Initiative**
  - Support from a number of UKAB Members
  - Significant interest in Professional Registration: 20+ applicants went through the process

- Follow-up meeting held Oct 29\textsuperscript{th} – lessons learned

- First tranche of successful candidates through Professional Registration process announced at AGM
Professional Development Director’s Report

- At IS2012 in Rome a formal MoA was signed with INCOSE Central
- This defines an agreement permitting INCOSE UK to set up a Systems Engineering Certification “service” for INCOSE UK members
Professional Development Director’s Report

• Expected Benefits of INCOSE Central – INCOSE UK Memorandum of Agreement for INCOSE UK members...
  
  – Ability to apply on-line for INCOSE Certification through INCOSE UK Website
  – Potential cost reduction for INCOSE UK members (to be confirmed)
  – Planned future “combined” application with Professional Registration Application

• Work is ongoing to put in place the necessary processes and procedures for formal roll out early in 2013
Professional Development Director’s Report

• Meeting held July 2012 Learned Society at Engineering Council Headquarters
  – Attendees: Self, President, President-Elect and Company Secretary
• Goal: Renew Engineering Council Affiliation (5 years)
  – “Learned Society” Affiliation
• Affiliation renewed subject to completion of some minor actions from this meeting
The External Relations Committee

- External Relations Committee
  - Twelve members coordinated by President-Elect
  - ‘Early Warning’ system of areas we may wish to influence
  - We will form ad hoc groups to address topics in a tailored way

- ERC reports to Council and UKAB, will have a web page shortly

- Topics identified recently include
  - Getting Systems issues on the agenda for Horizon 2020, the European Union Framework Programme for Research and Innovation
  - Influencing the Technology Strategy Board’s High Value Manufacturing agenda
  - Relationship with Aerospace, Aviation and Defence Knowledge Transfer Network National Technical Committee on SE & Open Architectures
Academic Director’s Report

- Survey of views among academic institutions of role of INCOSE UK in CPD delivered by academia
  - Sample
    - Responses from: Cranfield (C), Cranfield (S), Loughborough, UCL, York [5]
    - Contacted: Birmingham, Bristol, Bournemouth, Cambridge, Cranfield (C), Cranfield (S), Hertford, Hull, Leeds, Leicester, Loughborough, Nottingham, Strathclyde, UCL, York [15]
  - Main conclusions
    - Academics who have responded do not appear to see a significant role for INCOSE UK in CPD that is delivered by HEIs
    - Main role seen as advertising and promoting the courses offered by HEIs
    - There is limited collaboration between institutions in course delivery
    - ISO15288, systems engineering lifecycle standard, is used on most of the identified CPD courses
    - INCOSE materials do not appear to be used to any great extent by the CPD providers
Comms Director’s Report - Preview

• Preview
  – 2 Issues have gone out this year
  – Next issue is expected to be about early January
  – We are attempting to provide at least one SE article in each issue
  – A big thanks to those who have contributed and especially Steve Fisher

• ePreview
  – Use to for time critical announcements
  – 2 ePreviews went out in 2012
Comms Director’s Report Web Site

• We are about to launch a new look INCOSE UK Chapter website

• Aims
  – Provide direct editorial control to the owners of the web pages
  – Significantly increase the amount of SE resources
  – Provide a search function for locating SE documents

• We now have a job vacancy page which is proving very popular
Comms Director’s LinkedIn

- The LinkedIn group continues to grow
  - Used to announce INCOSE Events
  - Trigger discussions and questions
Events Director’s Report – Past Events

• ASEC 2011
  – Very well attended and generally well received conference, held in the same venue as this year
  – Met the key requirement of producing a sufficient surplus to make a significant contribution to funding INCOSE UK Activities during the rest of the year, whilst still offering value for money to delegates

• Tutorial Days
  – The June Tutorial Day had significantly higher attendance than the March Tutorial Day (31 delegates across 3 tutorials, vs 9 delegates in 1 tutorial that actually ran)
  – In 2013 we will aim to run a single Tutorial Day in June, with 4 parallel tutorials, held at Lydiard House near Swindon
Events Director’s Report – Into the Future

• ASEC 2012
  – Once again, we have hit full capacity at this event
  – Some delegates might find it a little too cosy...

• Joint Event with the APM
  – “Getting SE and PM to work better together – an initial workshop”
  – 15th Jan 2013, hosted by Thales in their Quadrant House office, in London
  – Many thanks to Bruce Elliott for acting as project lead for this event

• ASEC 2013
  – After a wide ranging search for alternative venues up and down the country, we have decided to go back to Heythrop Park in 2013
    • Significantly larger venue, with all accommodation in the same building
    • Hotel “glitches” appear to have been ironed out after 2 years of operating
  – ASEC 2014 will definitely be going somewhere new

• Finally, many thanks to the Events Team for all their support
UKAB Chair’s Report

• The UKAB enables UK Systems Engineering organisations to influence INCOSE UK activities, and the systems engineering best practice that INCOSE UK promotes

• **UKAB Aims**
  – Allow UK Systems Engineering organisations to have their say in influencing the practice of Systems Engineering and to see directly the benefits of INCOSE UK
  – Stimulate and support INCOSE UK working groups
  – Replace piecemeal support through sponsorship of UK events with continuity of funding through UKAB membership
UKAB Membership 2011-2012

- 32 organisations
- New members
  - Lockheed Martin
  - Serco
  - Raytheon
- Future
  - Broaden academic base
  - Further widen sectors represented
  - In discussion with SA Capability
- Level of participation around 70%
  Attendance – healthy
UKAB Highlights 2011-2012

• UKAB organisations staff active in all working groups – providing about 75% of the active contributors
• Professionalism
  – Initiated and supported development of CPD policy and guidance
  – Support to council to mobilise IET and SEP initiatives
• Support to council influence and external relationships activities
• Exploration of potential for new WGs
• Hot topic – interaction with other disciplines
Company Secretary’s Report

• Announcements
  – Non-contested appointments: President Elect and Professional Development Director
  – Election results for Academic Director