



# INCOSE Ltd Annual General Meeting 2012

UK Council Report

INCOSE UK Annual Systems Engineering Conference 2012

# David Wright, 1952-2012

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- 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

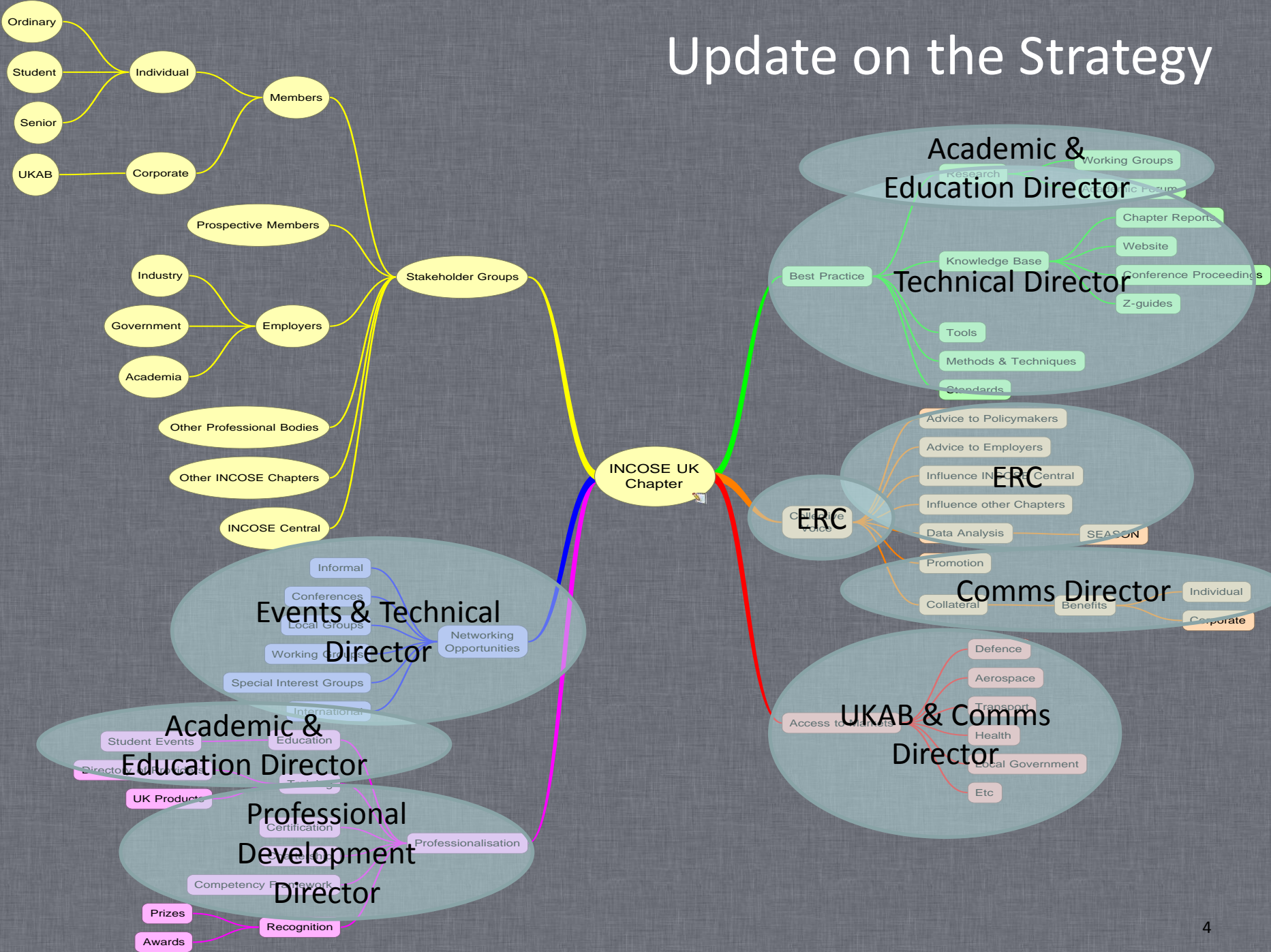


# President's Report

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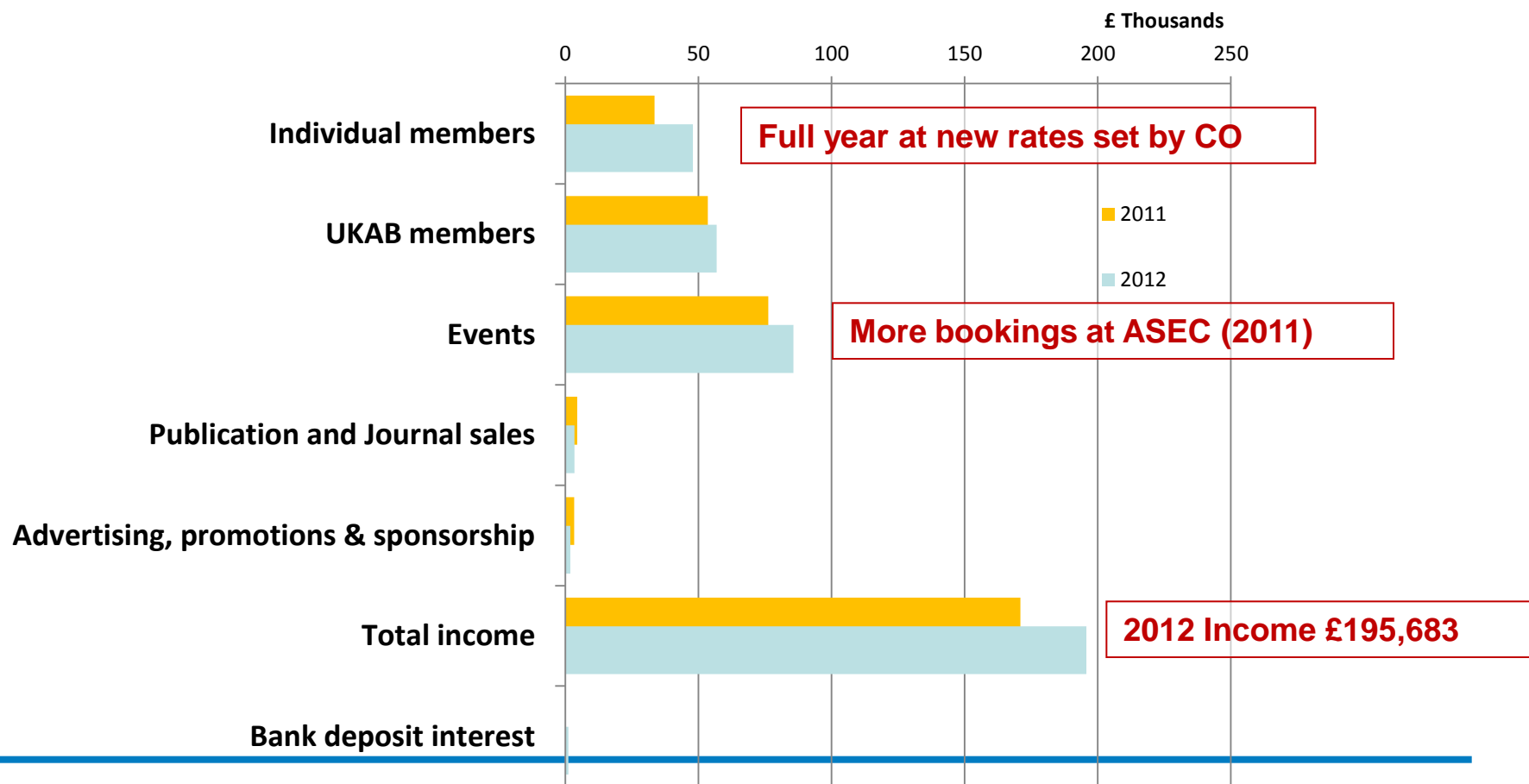
- Overall position
  - Still in economic doldrums but UK Chapter performing well
  - Individual membership sustaining, corporate up
- Highlights
  - Joint INCOSE/IET 1<sup>st</sup> Movers Initiative
  - ERC up and running smoothly
  - Refreshing WGs and products, SE/PM initiative
  - Sell out conference again!
- INCOSE international
  - Regional representation (EMEA)
  - Upcoming presidential elections

# Update on the Strategy



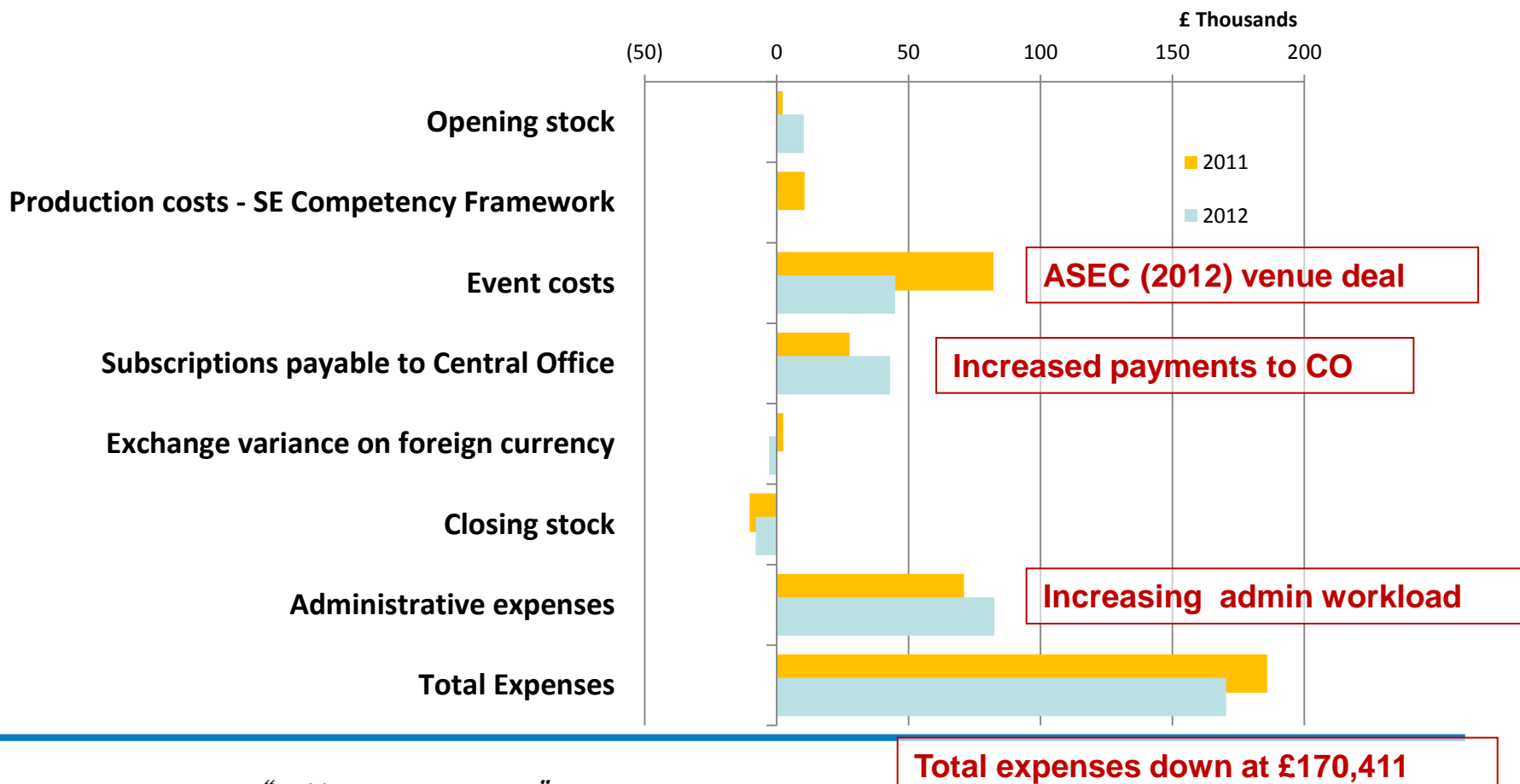
# Finance Director's Report

## Breakdown of Income to 31 May 2012



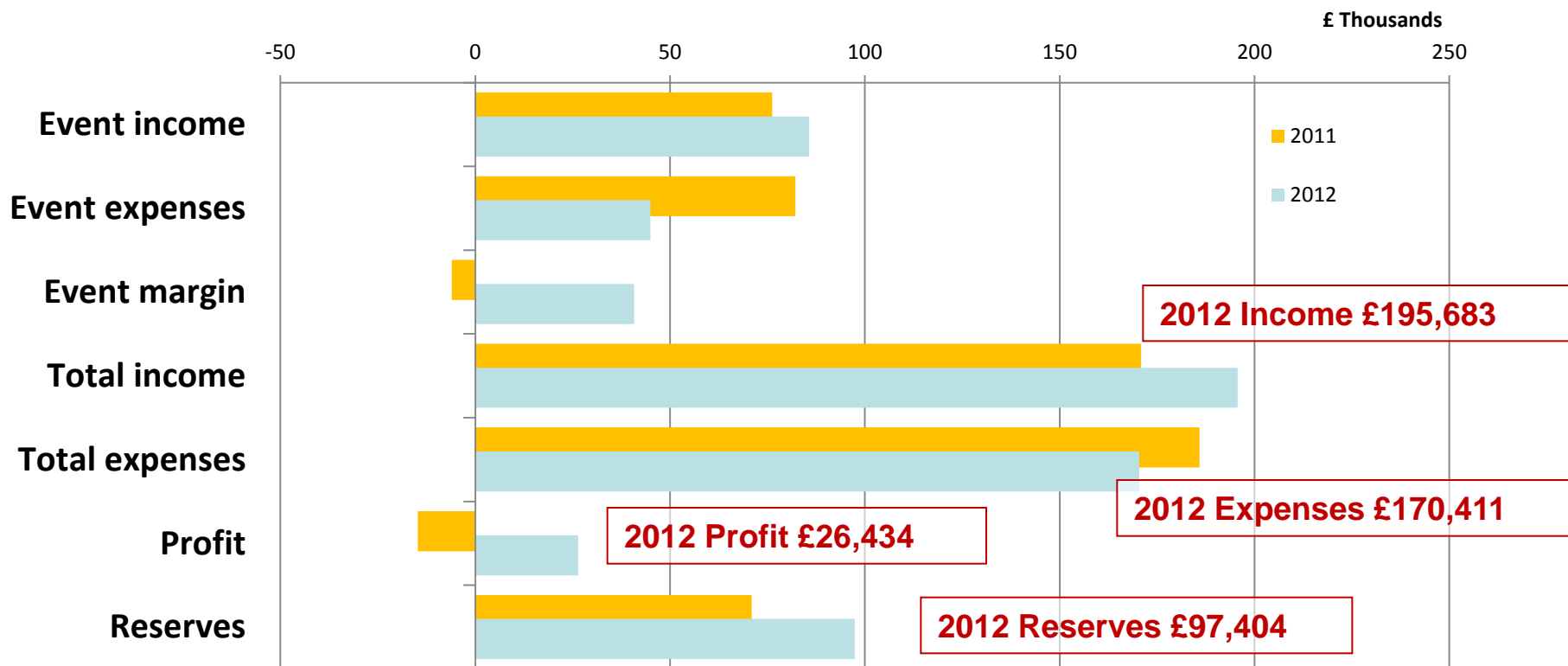
# Finance Director's Report

## Breakdown of Expenses to 31 May 2012



# Finance Director's Report

## Overall Outcome to 31 May 2012



# Technical Director's Report



## Working (WG) & Interest Group Activities

Architectures WG	<ol style="list-style-type: none"><li>1. Standards Support: ISO-42030 (Architecture Evaluation)</li><li>2. Enterprise Systems Engineering including input to SEBoK</li><li>3. Architecting Practice including Service Architecture</li></ol>
Capability WG	<ol style="list-style-type: none"><li>1. Dissemination of activities and results of working group</li><li>2. Panel presentations in Capability/SoS at INCOSE IS12</li><li>3. Some outputs included in BKCASE</li></ol>
MBSE WG (new)	<ol style="list-style-type: none"><li>1. Opening a dialogue with the International MBSE Initiative, other UK WGs &amp; RIG</li><li>2. Recruiting members interested in participating</li><li>3. Defining our purpose and objectives</li></ol>
Rail Interest Group (RIG)	<ol style="list-style-type: none"><li>1. Forum for railway SEers to pool experience and ideas</li><li>2. Now in 8<sup>th</sup> year of operation</li><li>3. No drying up; contacts continue to grow</li><li>4. Initiating joint workshop with APM: 15<sup>th</sup> January 2013</li></ol>



# Technical Director's Report

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## **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 $\omega$ guides ( 'how to ' , working guides – members only):**

- $\omega$ 1: Stakeholder Identification and Balancing Conflicting Requirements
- $\omega$ 2: N<sup>2</sup>
- $\omega$ 3: QFD (Quality Function Deployment)
- 'Six honest serving men: What, Why, When, How, Where and Who' – under consideration

**Z and  $\omega$  guides have also been put into web format on the INCOSE UK web site**

# Professional Development Director's Report



## Progress following IET – INCOSE UK Agreement...

- 1<sup>st</sup> Movers' Initiative

- Support from a number of UKAB Members



**GENERAL DYNAMICS**  
United Kingdom Limited

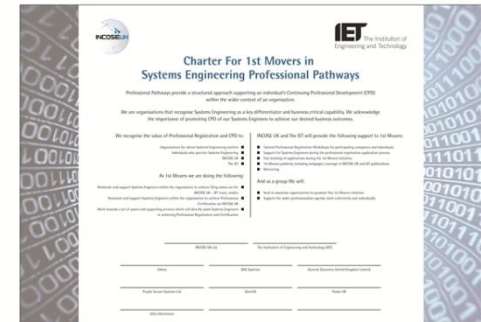
**QinetiQ**

**ATKINS**

**BAE SYSTEMS**



**THALES**



- Significant interest in Professional Registration 20+ applicants went through the process
- Follow-up meeting held Oct 29<sup>th</sup> – 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

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- 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

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- 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

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- 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

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- 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

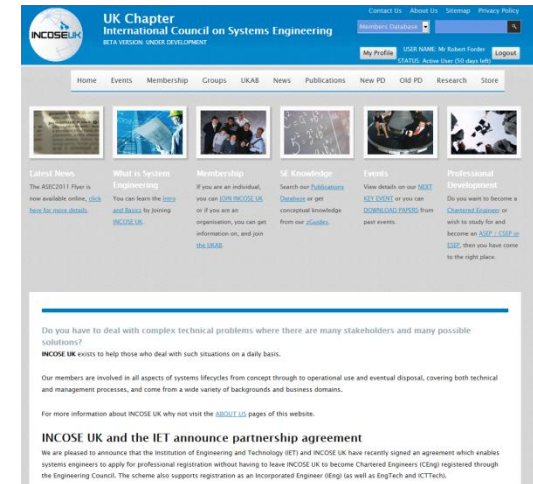
- Preview
  - 2 Issues have gone out this year
  - Next issue is expected to be about early January
  - We are attempting to provide at least one SE article in each issue
  - A big thanks to those who have contributed and especially Steve Fisher
- ePreview
  - Use to for time critical announcements
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

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- 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

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- 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”
    - 15<sup>th</sup> 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
    - 12<sup>th</sup> – 13<sup>th</sup> November 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
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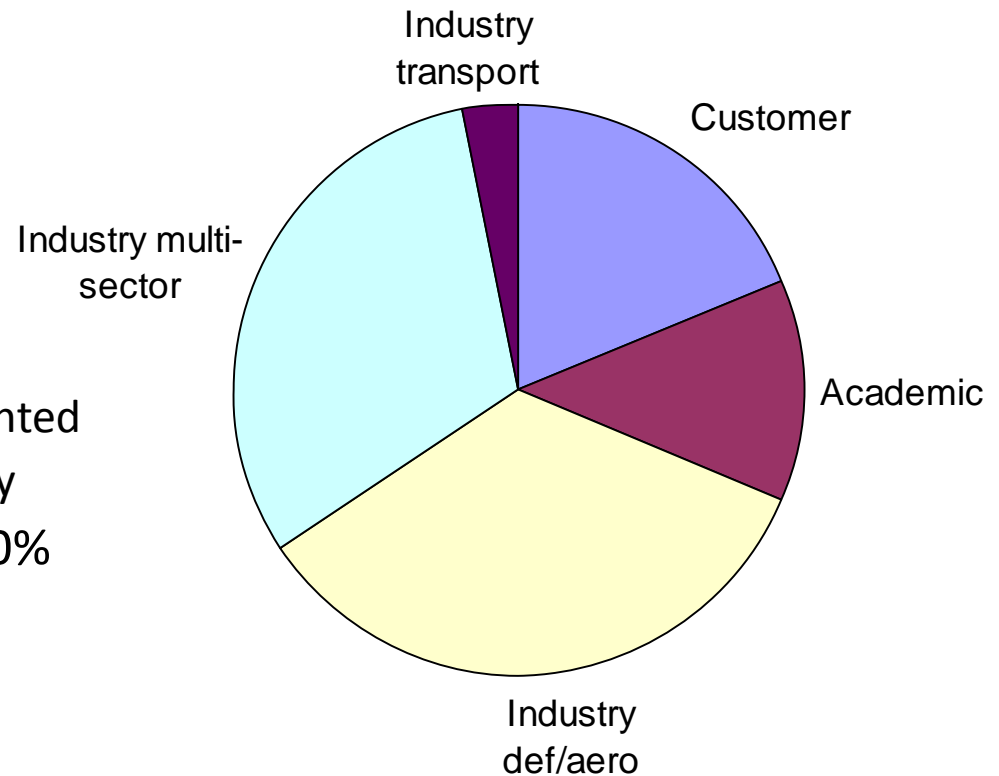
# UKAB Chair's Report

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- 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

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- 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
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# Company Secretary's Report

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