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# SCAF Workshop

## “Estimating for Collaboration & Partnerships”

Tuesday 7<sup>th</sup> June 2011  
Ashton & Lea Golf Club, Preston, Lancashire

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Defence collaboration is seen to be one method to lessen the impact of defence budget constraints on national equipment programmes. Ideally they are seen to be a method of sharing development costs and reducing the unit price of equipment's by manufacturing greater numbers. But disadvantages also exist. In today's economic climate defence budgets are squeezed and collaboration can be expected to be more frequent, not only in equipment acquisition but also in operational capability as demonstrated by the recent Anglo – French defence pact in which it has been agreed to share aircraft carriers and synchronise nuclear submarine patrols.

Developing sound methods for estimating the costs of collaboration and partnering is essential if realistic budgets are to be produced at the outset. And then there is the Rule of Thumb  $\{\frac{\sqrt{n}}{n}\}$  with no known provenance.

The workshop will provide an insight into the effective estimating for and issues associated with developing beneficial collaborative relationships.

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### 09.00 Coffee and Registration

### 10.00 Welcome and Introduction

### 10.10 Estimating for Collaboration

*Insight into the air sector collaborative history across several different nations over the past 50 years, to include estimating considerations, work share arrangements, and reflection on technological, process and cultural aspects.*

**Tony Vart**, Head of Estimating Autonomous Systems & Future Capability, **BAE SYSTEMS**

### 10.50 OCCAR's 10 Years Experience as an International Management Organisation for Co-operative Defence Equipment Programmes

*The only real option for European governments to spend their shrinking defence budgets better in order to keep up with increasingly expensive equipment needs is to spend a larger part of it together in common armament programmes through life. However to achieve and optimise all strengths and opportunities of international armaments co-operation a number of conditions need to be taken into account. The presentation will give an overview of the predominant conditions concerned and will demonstrate that OCCAR-EA, an international organisation whose core-business since 10 years is the management of collaborative defence equipment programmes, can be the ideal instrument to reap the benefits of highly desirable co-operation in the Armaments arena.*

**Eric Huybrechts**, Deputy Director, **OCCAR-EA**

### 11.30 Update on NATO's Research Study on Collaborative Influences

*NATO's Research and Technology Organisation (RTO) is engaged on a study to quantify the benefits from collaborative programmes and to identify factors that should be applied to cost and time estimates to account for the impact(s) of these programmes.*

**Max Murray-Brooks**, Policy and Capability Studies Department, **Dstl**



**Rolls-Royce**



### **12.30 - 13.30 Buffet Lunch**

### **13.40 A journey of Estimation**

*Rolls-Royce adopted COCOMO II in 2004 in order to develop its estimation capability. Since then COCOMO's importance has grown within the business and has had reaching effects far beyond its initial remit. COCOMO has fed into software development, software supplier oversight, improvement identification, improvement validation, risk identification and even business decision making. The tool has become a "unifying" language that unites projects, engineering, business, risk and improvements. The tool was also read across into hardware Engineering and achieved higher than expected accuracies of estimates. Through the adoption of COCOMO, we have seen an 11% reduction (on average) of project costs as well as greater program stability and predictability. This paper is intended to describe our journey and the next steps for Rolls-Royce*

**Andy Nolan**, Chief of Software Improvement and **Satpaul Sall**, Software Technologist, Software Centre of Excellence, **Rolls-Royce**

### **14.20 A View on Collaborative Initiatives from the Automotive Industry**

*The presentation will provide a perspective of the historical and current collaborative relationships that exist around the automotive industry and Jaguar Land Rover in particular.*

**Bob Mills**, Senior Manager Cost Estimating, **Jaguar Land Rover**

### **15.00 - 15.30 TEA**

### **15.30 Round Table Discussion**

*An open discussion on the issues presented by the speakers and of the topic in general.*

Facilitated by **Brian Tanner**, Cost Appraisal Manager, **BAE Systems**

### **16.30 Closing Remarks**

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## **Registration and Costs**

Registration and coffee will be available from 09.00. The Workshop will commence at 10.00 am. The costs for the Workshop is £40.00 per delegate.

These costs include all refreshments, a buffet lunch and **FREE** attendance to all future SCAF events until August 2011.

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## **SCAF Workshop**

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The Society for Cost Analysis and Forecasting was formed in September 1984 following a recognition of the need for a forum where those with interests and experience in cost analysis could meet and discuss problems and techniques.

The formation was the initiative of the UK members of the International Society of Parametric Analysts with the support of the Ministry of Defence and The Royal Aeronautical Society. Due to the background and experience of the founder members, the Society has tended towards defence oriented industries, however, it is the intention to cover as broad a field as possible.

The objects of the Society are to promote the best interests of its members and to improve and disseminate knowledge of cost analysis and forecasting methods. SCAF is a not-for-profit organisation and has no political affiliations or commercial bias but encourages sponsorship by organisations with declared mutual interest.

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Please reserve a place for me at the SCAF Workshop being held on Tuesday 7th June 2011 at the Ashton & Lea Golf Club, Preston, Lancs. commencing at 10.00 am.

- I enclose a cheque (payable to SCAF) for £40.00. Please forward cheques to:- Mr D Hedley, SCAF Treasurer, C/O BMT Reliability Consultants Ltd, 12 Little Park Farm Road, Fareham, Hampshire, PO15 5SU
- Please invoice me.
- I am a member and no fee is payable

Name: .....

Company: .....

Address: .....

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Tel: ..... Email:.....

Nationality: .....

Dietary Requirements: .....

To register, please email: [ndmorrill@dstl.gov.uk](mailto:ndmorrill@dstl.gov.uk) or  
call 023 9253 7271