

SSEI Research Task Summary – T15

Task Number: SSEI/T15

Lead Delivery Organisation : BAE Systems Ael

Project Title : Through Life Risk management for Software Intensive Systems

Research Theme : *Management of Software Systems Projects*

Version : 2



Objective of Work (why are we doing it ?)

Identifying and controlling risks has long been identified as a key element of delivering successful projects. In practise, risk management has focussed on particular aspects of a product's lifecycle (e.g. development) and has not taken a through life approach.

For software intensive systems this through life approach is becoming increasingly important, given the move away from large scale development programmes to one of evolution and upgrade over an increasingly long product lifespan

This task aims to provide guidance to the identification of risk for future and current programmes, cross-referenced to real-world experience, and provide pointers for the future direction of research to address software-intensive programme risk.

Nature of Work (what is it?)

This task will investigate the relationship between risks identified and mitigated in development and relate them to issues emerging in the later support phase of the product.

The task will use existing risks on current MOD programmes to develop a Risk Management taxonomy to assist in recognition, mitigation and avoidance of common risk types for current and future programmes.

Outcomes (what will it produce/has it produced ?)

- A taxonomy for the categorisation of Engineering Risks associated with the Through Life Management of Software Intensive Systems
- Report on the risks encountered during the life of the candidate software-intensive systems, with their mapping to the taxonomy
- A review of the mapping between significant programme through-life risk issues and the current SSEI areas of research

Timescales 9 month task, October 2009 to June 2010

Partners

Related Work

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