

Proposed widening of scope of BCS CMSG

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The proposal:

That the BCS CMSG, in conducting its business, considers in scope 'Configuration Management' as practiced in the domain of large scale System Integration Programmes in the Aerospace and Defence Industry.

Traditional scope of CMSG:

Software CM

Processes Tools Standards

All functions of Configuration Management have been considered:

- CM Planning
- CI Identification
- Change Control
- CM Status Accounting
- CM Audits & Verification

**but generally only in a Software development/maintenance
or Information Systems context...!**

Rationale for changing the scope of the CMSG:

The Tools and Infrastructure technology that is harnessed to support software development is an essential component of large scale Systems Integration Programmes

Due to the complexity and scale of these programmes - without the required tools and infrastructure technology support they would almost certainly fail – they need to embrace the latest tools technology

Each domain has in common the five fundamental CM functions

Each domain shares the same best practice standards which, though originating from within the A&D sector, are now developed with both domains in mind.

Characterisation of CM practiced in traditional SCM domain

- CM practitioners from Quality or software engineering backgrounds
- shorter project lifecycles – typically measured in months
- focussed frequently on time to market issues
- pre-existing CM capabilities being tailored for a specific project.
- a Configuration Management tool e.g. PVCS Dimensions or MKS Source Integrity would be used to support the enterprise wide Configuration Management capability

Characterisation of CM practiced in A&D domain

- CM practitioners come from Quality or drawing office backgrounds
- projects with lifecycles measured in years
- founded on well proven systems engineering practices
- CM solution is normally developed from within the project over time IAW with the project schedule
- CM solutions are embedded within the project environment.
- hardware CM a major consideration
- a Product Data Management tool e.g. Windchill or Teamcentre would be used to support the enterprise wide Configuration Management capability



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Key Benefits:

The sharing of knowledge and experience from each domain

Lessons are there to be learnt from both domains – each leaving the other richer in their own capability

The broader scope will embrace CM and Project managers from a richer set of industry sectors

The CMSG will be able to attract and serve a wider community

To consolidate this introduction, an all day event is planned to embrace the wider scope which of course still includes SCM at its heart



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Questions?

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