



# CCDB Workgroup: Meaningful Reports

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# Introduction

- Certification/validation reports intended to provide meaningful evaluation information to consumers.
- CCRA Annex I provides content guidance.
- Criticism that reports provide little value beyond indicating that product completed evaluation.
- Failure to fix will downgrade value of CC evaluations, and the demand for CC products.



# Background

- Meaningful reports more time-consuming and costly to develop.
- Temptation to migrate to Schemes that do not place full content in their reports.
- Result is a “low water mark” for content of certification/validation reports.



# CCDB Workgroup

- CCRA Development Board (CCDB) established a workgroup in April 2008.
- Initial MRWG meeting in June to set the scope.
- General agreement with the direction.
- Noted that reports should avoid repeating material that vendors should provide to consumers.



# Identifying the Audience

- End-consumers
  - Management, technical, procurement.
- System integrators.
- Threat/risk practitioners.



# Identifying the Audience

- Differing report content requirements.
  - Plain language approach geared towards a wider audience.
  - Ensure that sufficient technical details are present for those that need them.
- Examine whether a single report remains appropriate, or if multiple reports needed.



# Identifying Content Requirements

- Assumptions that mitigate product weaknesses.
- Better specification of the environment.
- Secure configurations.
- Greater insight into analysis/testing.
- Product strengths and weaknesses.



# Scope of Changes to CC/CCRA

- New information requirements must not conflict with CCRA Annex I.
- Expect many report changes will not require amending CC, or CEM.
- Mandatory Supporting Document will likely be used to effect changes.
- WG may, however, identify the need for new information from an evaluation; which could cause CC/CEM changes.



# Initial Steps

- Examine related initiatives underway within CCRA Schemes.
- Survey stakeholder groups to gain clear understanding of content requirements.
- Examine cost/benefit tradeoffs.
- Produce draft set of requirements.
- Conduct trials, focus groups.
- Establish final set of requirements.



# Where are We Now?

- Focus to date has been on the CR and an analysis of the CR content requirements as required by CCRA Annex I.
- Survey was promulgated to all WG participants and the CC Vendor Forum (CCVF) in August 2008.
- Survey results collected and posted to the wiki.



# Where are We Now?

- Survey results were presented at the March 2009 CCDB meeting in Hanover, Maryland.
- Agreement on the following items:
  - Reduce the excessive length of some CRs;
  - Do not duplicate information which can be found elsewhere;



# Where are We Now?

- The CR should use plain language understandable to a variety of readers (limit CC jargon); and
- The architectural section has been identified as a section which does not appear to meet consumer's needs and therefore should no longer be mandatory.



# Where are We Now?

- Based on work to date information collected suggests that:
  - other CC documents such as the ST may benefit and/or require changes based on the working group's findings; and



# Where are We Now?

- Findings may indicate that information deemed useful to a consumer is not currently addressed within the CC process, perhaps requiring a change to CC/CEM to mandate such information, or, the creation of a Support Document.



# Next Steps

- Five phased approach proposed.
  - Phase 1 - Identify Stakeholders.
  - Phase 2 - Determine Stakeholder Information Requirements.
  - Phase 3 - Package and Present Stakeholder Information Requirements.



# Next Steps

- Phase 4 – Conduct Trials.
- Phase 5 – Develop Templates.



# Phase 1 – Identify Stakeholders

- Focus on identifying and agreeing on a list of stakeholders.
- Identify stakeholder information requirements.
- Survey stakeholders.



## Phase 2 – Identify Sources of Information

- Focus on identifying where stakeholder information can be found in existing CC generated documents.
- Identify cases where stakeholder information requirements cannot be found in existing CC documents.
- Changes to CC/CEM or new Mandatory Supporting Documents?



## Phase 3 – Package and Presentation

- Decide on what document(s) (i.e. certification report, CCRA supporting document, developer document) stakeholder information requirements should be presented in and to what level of detail.



## Phase 3 – Package and Presentation

- Analyze the stakeholder information currently presented within a specific CC document and determine whether this is the appropriate document for such information.
- Stakeholder information may be moved from an existing CC document to another and/or proposed CC document if warranted.



## Phase 3 – Package and Presentation

- Develop any CCRA supporting document identified as a requirement in previous phases.



## Phase 4 - Trials

- Trials conducted to develop documents based on the output of Phase 3.
- Based on the trials and stakeholder feedback incorporate any necessary changes.



# Phase 5 - Templates

- Develop templates for the documents identified in Phase 3 to be used by the CC schemes.



# Expected Results

- Stakeholders will be identified.
- Information requirements for each stakeholder will be defined.
- Information will be packaged and presented in a manner suitable for all stakeholders.
- Templates will be developed to aid in consistency among schemes and overall efficiency.



# MRWG Participants

- AU – Rex Johnson and Su–En Yek
- CA – Rob Harland (WG Lead)
- GE – Irmela Ruhrmann, Gereon Killian and Miriam Serowy
- NO – Kjell Bergan
- NZ – Jonathon Berry
- SP – Luis Jimenez and Miguel Banon
- UK – David Martin
- US – Carol Houck and Shaun Gilmore



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## Questions?