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Capability engineering Process WBE

Customized for ARP SAR Arctic
 Christophe Nécaillé, SdS
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Defence Research and Development Canada / Recherche et développement pour la défense Canada


Canada



Outline

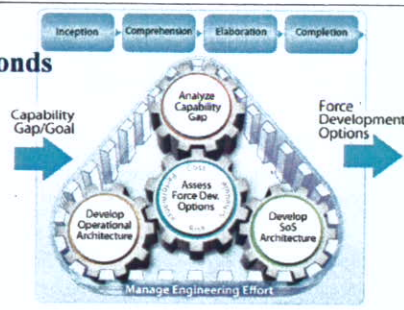
- CEP in 30 Seconds
- A WBE Proposal
- Challenges
- Look; we're almost at the 1st milestone !
- The ARP-PM CEP Starting ToolKit

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CEP in 30 Seconds

Inception → Comprehension → Elaboration → Completion

- Now :
 
- Future :
 - CEP is continuously improving
 - Will provide customized process/deliverables according to each projects characteristics
 - Will be database-supported
 - PACEM-RE (ARP 10BD)

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CEP WBE (1)

- What CEP can do for the ARP
 - Set up a customized CEP specific to your project (activities, workplan & deliverable templates tailored for the ARP). (Deliverable #1)
 - Methodology guidance and coaching throughout the ARP.
 - Might help to set-up *temporary* contractual resource for the ARP; in conjunction with the 10BD ARP.
- What CEP **can't** do for the ARP :
 - Provide subject matter content
 - Produce deliverables
 - Ensure results if workplan/deliverables are too much deviated

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CEP WBE (2) – Proposed Activities

- 1st meeting
 - Explain the WBE
 - Expose the PM to the CEP
 - Explain the challenges and implication of choosing CEP
- Prior the project official launch
 - Monthly meeting with the PM to explain the methodology stages
 - Fitting the CEP to the project stage by stage. Assistance for establishing the artefacts needed for the project definition stage within the CEP:
 - Context, Project Team, Stakeholders, mandate.
- Project Launch (1st April 09 (?))
 - CEP has been adjusted for the project (Deliverable #1)
 - PM has a detailed CEP workplan tailored for his project (Deliverable #2)
- During the Project execution
 - assist and coach the PM and key players with the application of CEP
 - Monthly meetings to capture the progress report with respect to the CEP application (state of application, obstacles, suggestions for improvement, lessons learned ...)
- At the end of each important stage
 - Collection of lessons learned from the CEP application
 - Validation of the next stage workplan/activities/deliverables
- Toward the end
 - Experience check;
 - Report on lessons learned and improvement to be done on the CEP. (Deliverable #3)



Challenges

- CEP adoption needs project commitment
- The Fantastic CEP Team is **very** busy :
 - Total offer or .1 p.y for the next 12 monthes (24 p. days)
 - SdS is looking to recruit ings & DSEs
 - Offer might increase with time

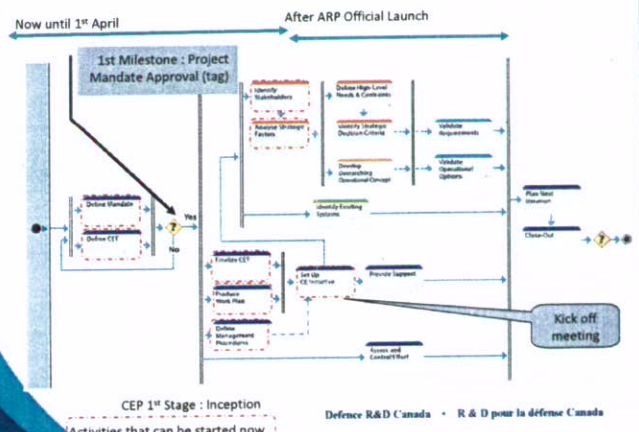


Way ahead

- ARP DAMAS PM/Team
 - Decide whether CEP will be used or not
 - PM to get trained on CEP
 - Project Workplan to be produced.
- CEP Team
 - Work with ARP PM to make CEP fits the ARP
 - Will ensure PM coaching and review of CEP



We're almost at the 1st Milestone !



Define Mandate

Purpose: The Define Mandate task identifies the CE activities and a target or context reference for further analysis and/or

Taskbook:

Objectives: The task consists of:

- identifying background and context;
- defining goal and deliverables;
- defining the scope including inputs, milestones and resources, constraints, and dependencies;
- identifying and modeling the relationships to CE products, and identifying primary, secondary, and tertiary support roles.

Responsible role & Support roles:

Pre-Condition(s): A military goal plan is provided.

Mandate/Assessment:

- Identify the mission;
- Initial assessment from Capability Manager

Output(s)/Artifact(s): Engineering Management Plan

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Define CET

INCEPTION - MANAGE ENGINEERING EFFORT

Define CET

Purpose: The Define CET task identifies the CET designers and defines their roles and responsibilities.

Taskbook:

Objectives: The task consists of:

- Investigating the CET Core team Organizational Chart;
- Identifying and confirming CET designers; and
- Tailoring CET roles and responsibility profiles to CE initiative specific needs.

Responsible role & Support roles:

Responsible	Contributor(s)	Consulted
• CEI Lead	• Capability Manager	• Potential CEI Designers

Pre-Condition(s): The CET designers are confirmed.

Post-Condition(s): Current situation is documented and controlled.

Input(s)/Artifact(s): Engineering Management Plan

- Mandate

Output(s)/Artifact(s): Engineering Management Plan

- Organization

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Tools to bring back home :

- e-CEP 2008
 - (Production version on file)
 - Online : <http://www.capdem.forces.gc.ca/documents/index.htm>
- CEPV4 Draft Report (the complete documentation)
- MsProject Generic CEP Detailed Planning
- CEP Brochure
- This presentation.

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CEP is a prototype of "Capability Engineering Methodology"

- The more it is used, the more it improves.
- The more it is used, the more it is known
- The best it is known, the more it will be used !

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