



# Integrating Common Criteria Into the COTS Development Process

*Wesley H. Higaki*  
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## AGENDA

- 1 Introduction
- 2 Vendor training
- 3 Evaluation project planning
- 4 Vendor responsiveness
- 5 Issues



## Introduction

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- ▶ Symantec has experience in CC evaluations of COTS products
  - 10 products certified
  - 3 different Schemes used
  - Evaluations done at EAL 2,3 and 4
  - Variety of product technology types





## Objective

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- ▶ Minimize the time between product shipment and certification
  - By integrating development activities with CC evaluation activities

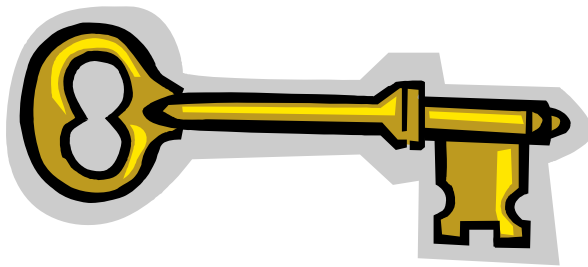




## Keys to Successful CC Evaluation of COTS Products

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- ▶ Personnel training
- ▶ Project planning
- ▶ Responsiveness to evaluators

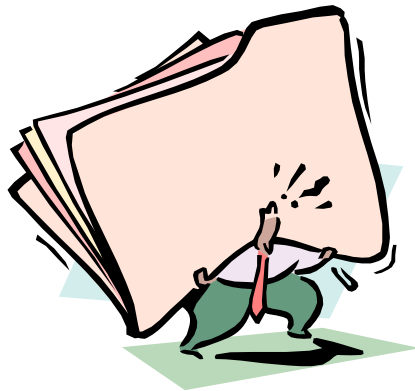




## Training

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- ▶ Think like the evaluator – Think Security!
- ▶ Evaluation process
- ▶ Vendor deliverable details
- ▶ Meeting evaluator and validator expectations

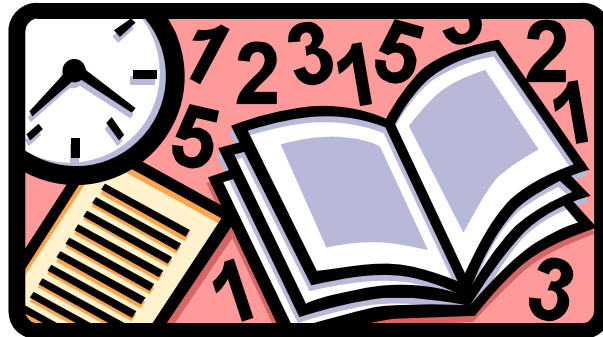




## Planning

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- ▶ Set clear, visible and achievable goals
- ▶ Clearly understand expectations and deliverables
- ▶ Synchronize evaluation plans with product release cycles
- ▶ Completely scope the effort – pre-evaluation assessment
- ▶ Plan for and allocate appropriate resources to support evaluation effort – start to finish





## Responsiveness

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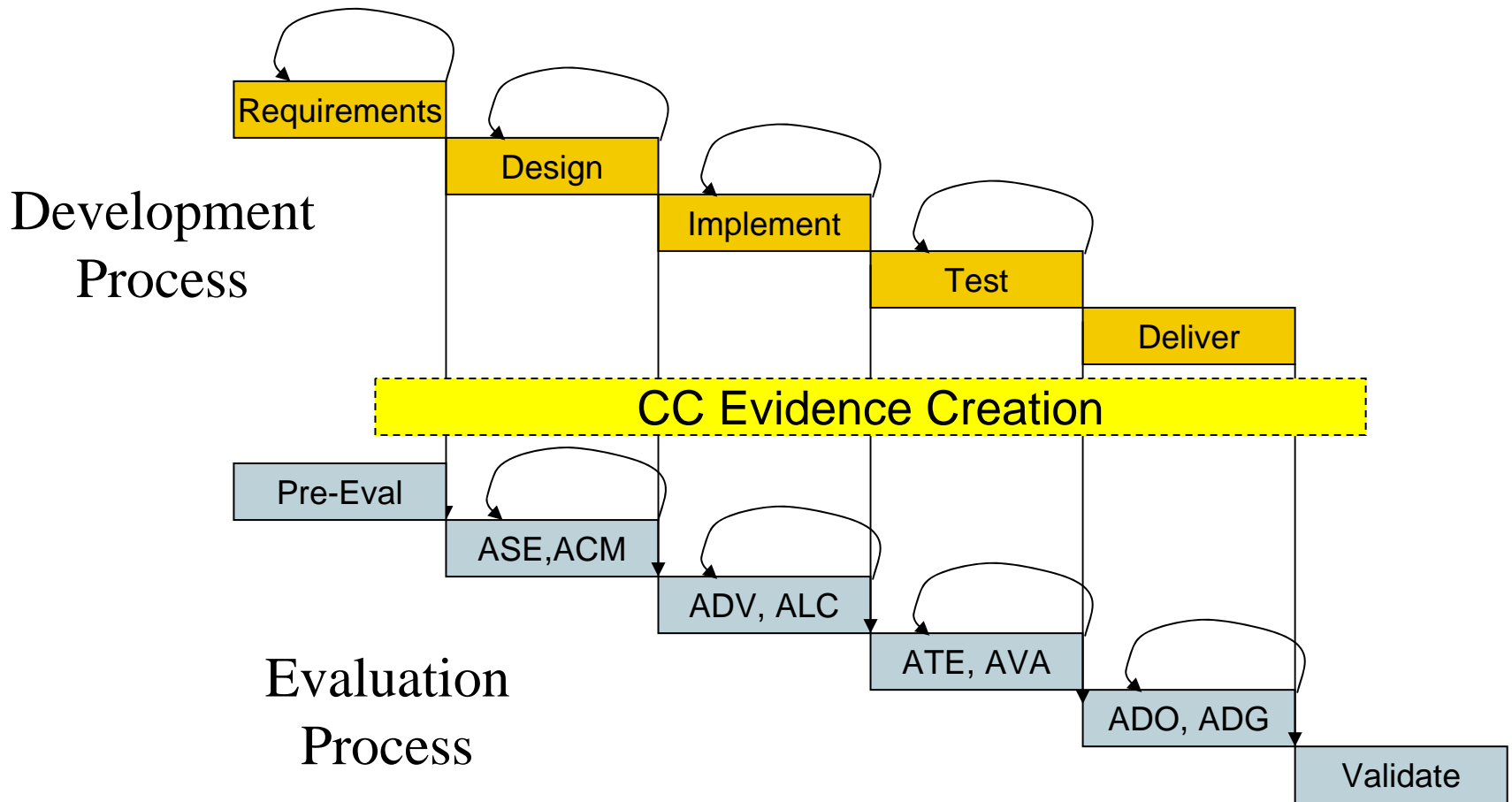
- ▶ Adhere to project management fundamentals
- ▶ Projects are complicated by third parties
- ▶ Lack of developer responsiveness has been source of delays in evaluations







## Ideal Integration Between Development and Evaluation





## Issues

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- ▶ Evidence rework
  - Evaluators and validators sometimes spend too much time on documentation details and not assurance
  - Document rework takes the most time and causes delays
- ▶ Rapid Application Development practices
  - Iterative development and rapid prototyping practices do not fit well with CC evaluation assumptions
  - Makes integration more difficult
- ▶ New products
  - Architecture may not be done to describe TOE boundary for ST
  - Delivery process may not be fully defined until late
  - Evaluation deliverables are not ready in time



## Contact Information

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Wes Higaki  
Director, Product Certifications  
Symantec Corporation  
[whigaki@symantec.com](mailto:whigaki@symantec.com)