



**Australian Government**

**Department of Defence**

**Defence Materiel  
Organisation**

# ASDEFCON(SM) System Review Process

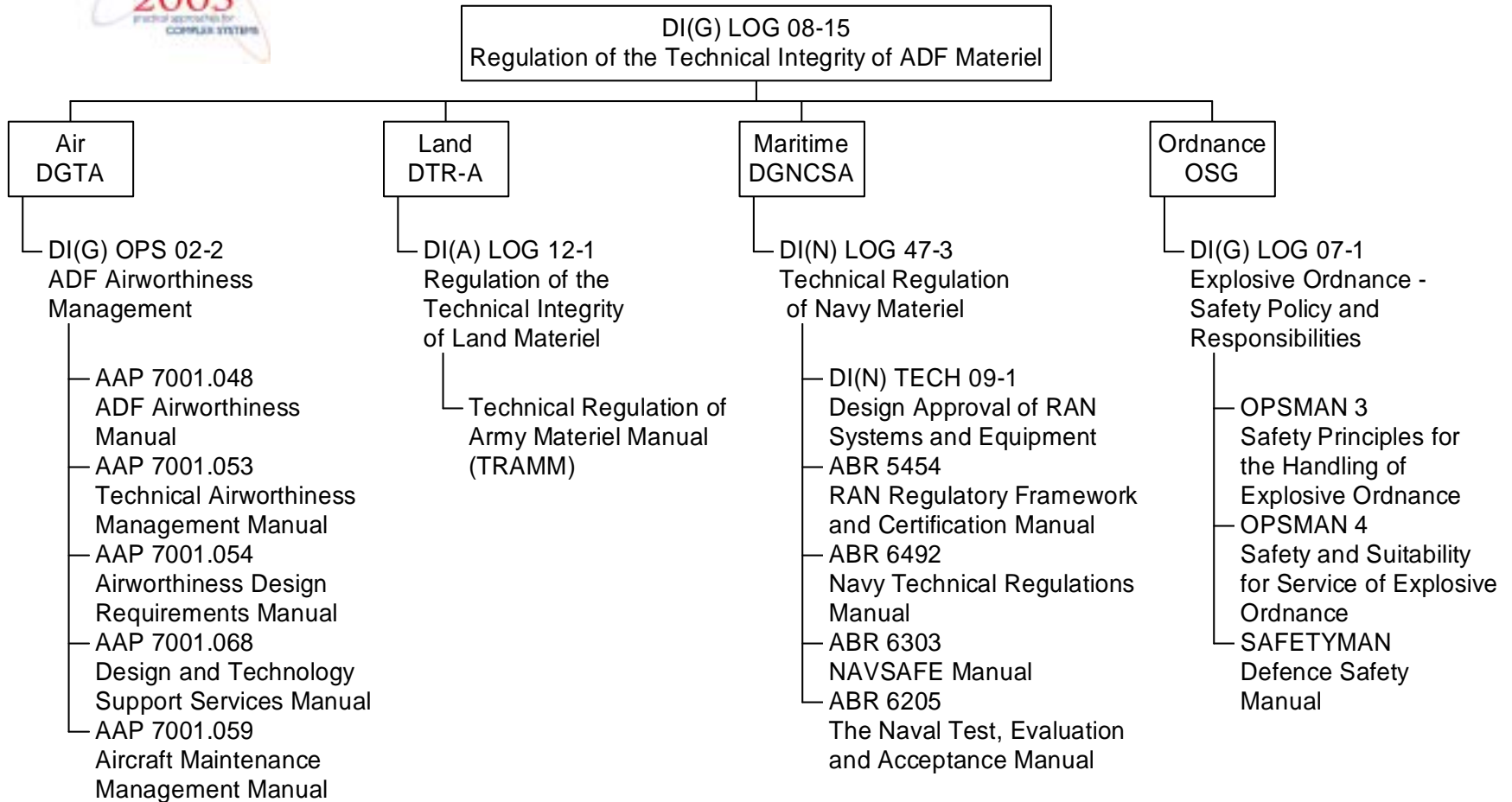
*Nigel Thompson, Director Systems Engineering  
Defence Materiel Organisation  
Materiel Policy and Services*

*David Gapp, Rob Dobson & Associates*

- Overview of ASDEFCON (SM) System Reviews
- Intended to define expectations before, during and after a Mandated System Review



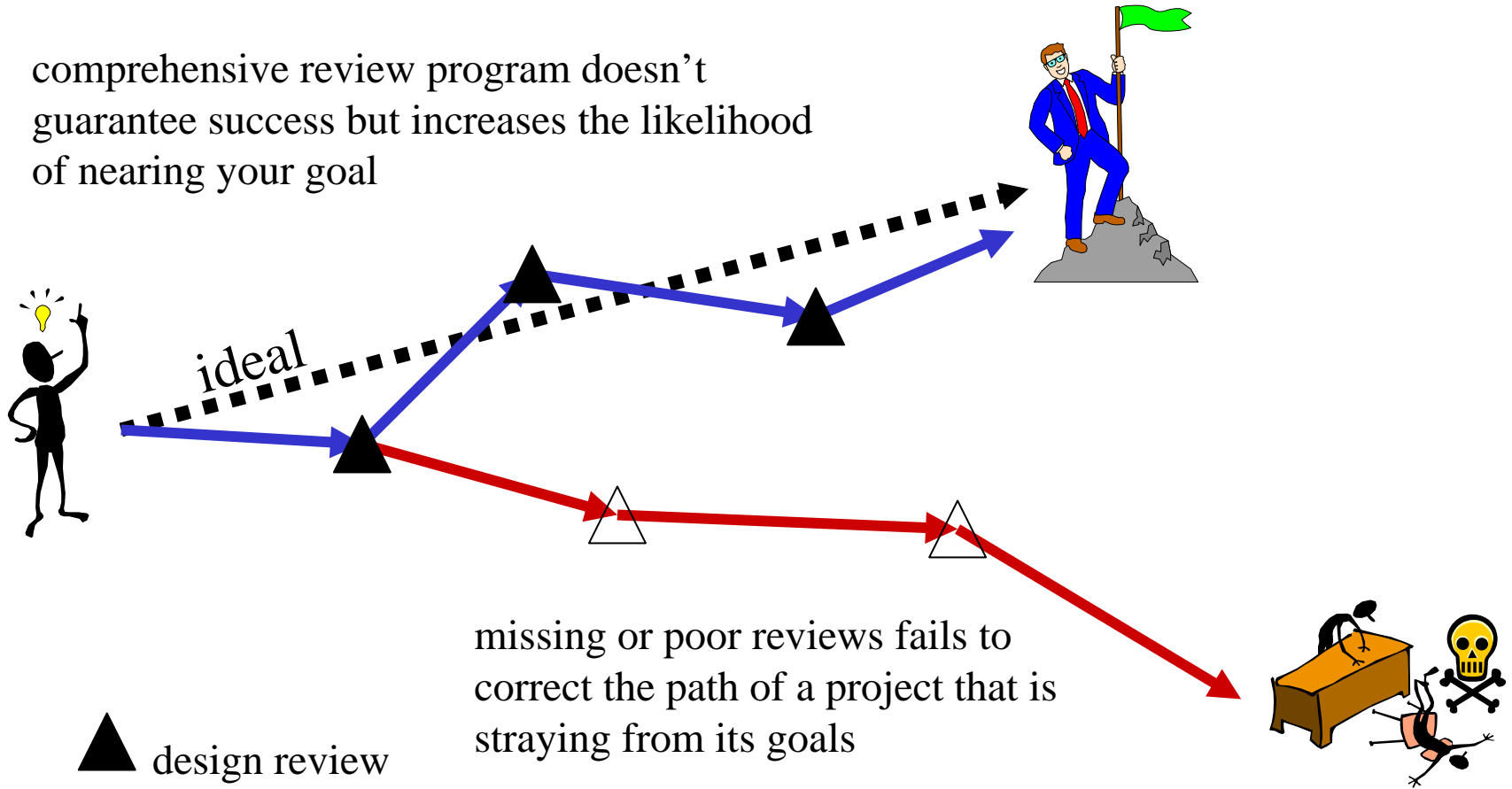
# Technical Regulatory Framework



# Relevant Principles

- ASDEFCON(SM)
  - DMO template
  - development, major capital equipment over \$20 M
  - ANSI/EIA-632
  - Integrated SE and logistics approaches (Mission System + Support System)
- System Reviews
  - CAID  
Clear Accountability In Design
  - “hands off”
  - Technical Regulatory Framework

comprehensive review program doesn't guarantee success but increases the likelihood of nearing your goal





# ASDEFCON(SM) System Reviews

“an event at which the progress of the technical effort (including that of engineering and integrated logistics support) is assessed relative to its governing plans and technical and contractual requirements”.

## Two types...

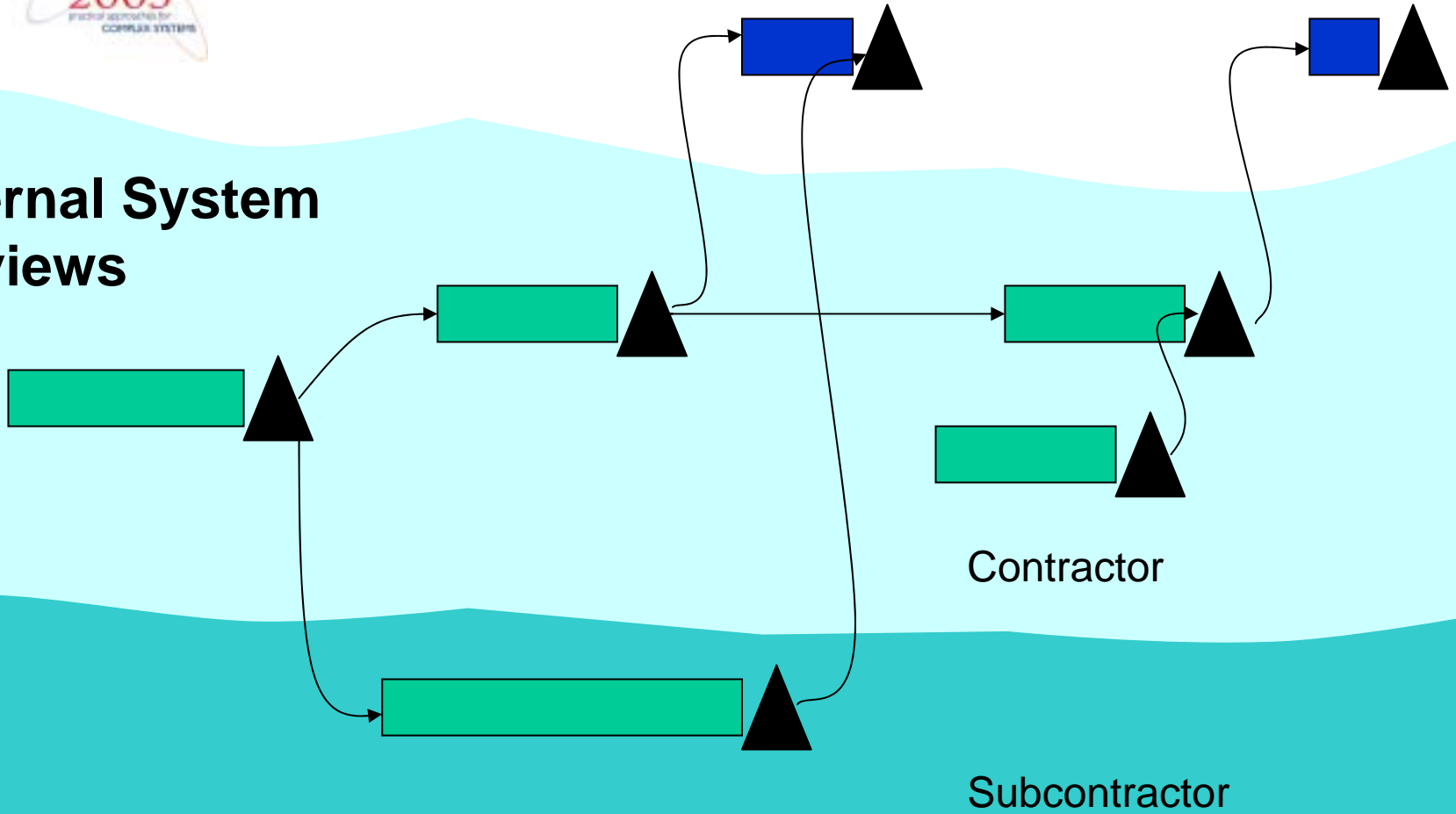
- ❑ **Mandated System Review** means a System Review that is mandated by the Commonwealth in the Contract
- ❑ **Internal System Review** means a System Review, other than a Mandated System Review, that the contractor or subcontractor conducts as part of the program of activities for the Contract



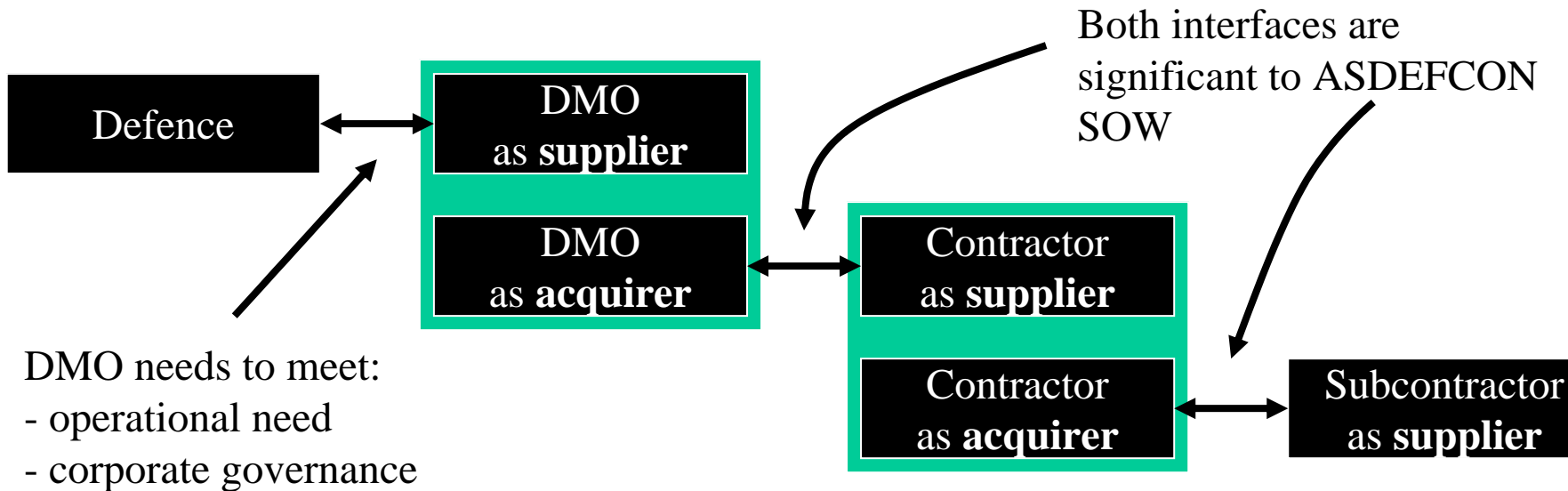
# Mandated System Reviews

Commonwealth

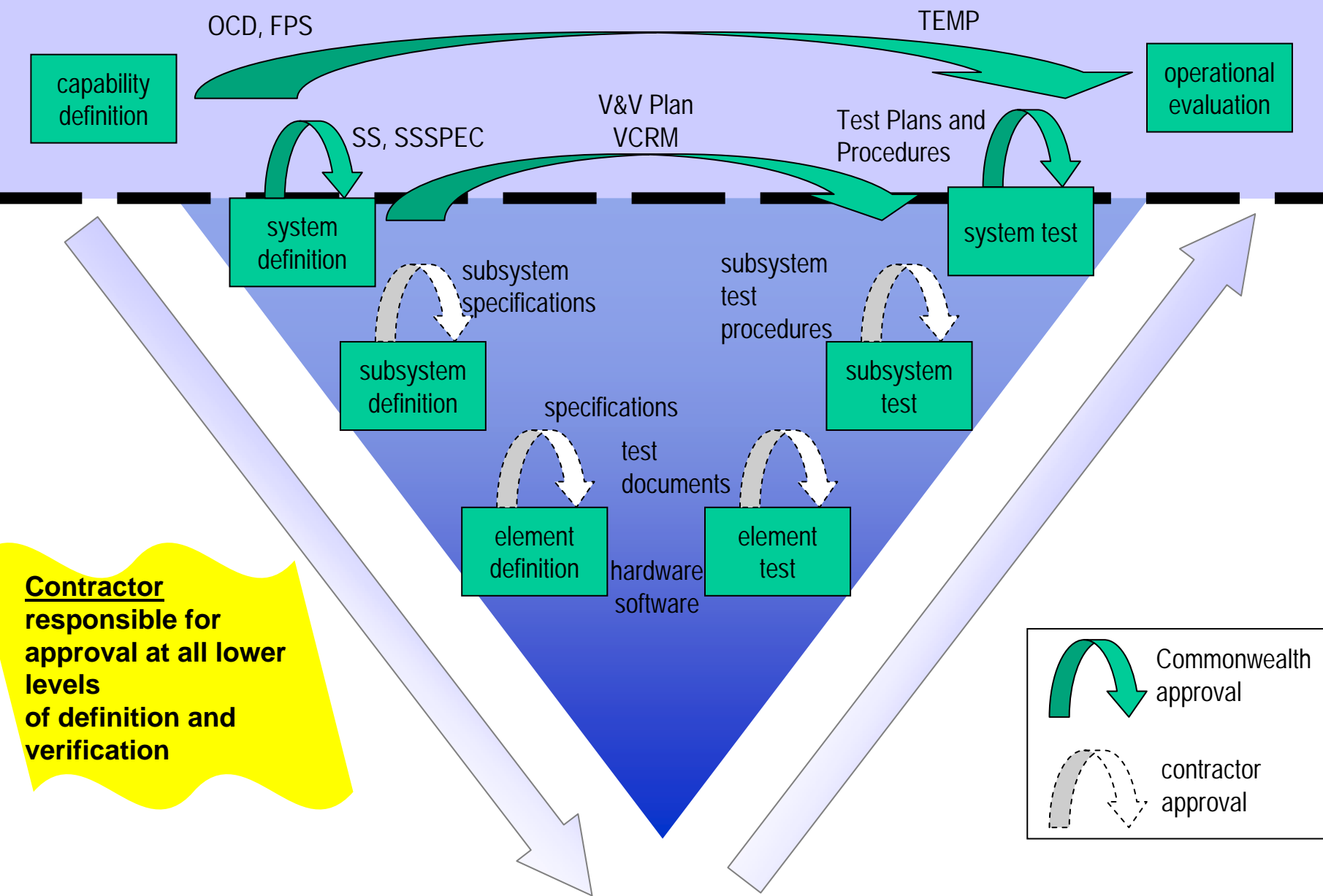
## Internal System Reviews



# Supplier - Acquirer



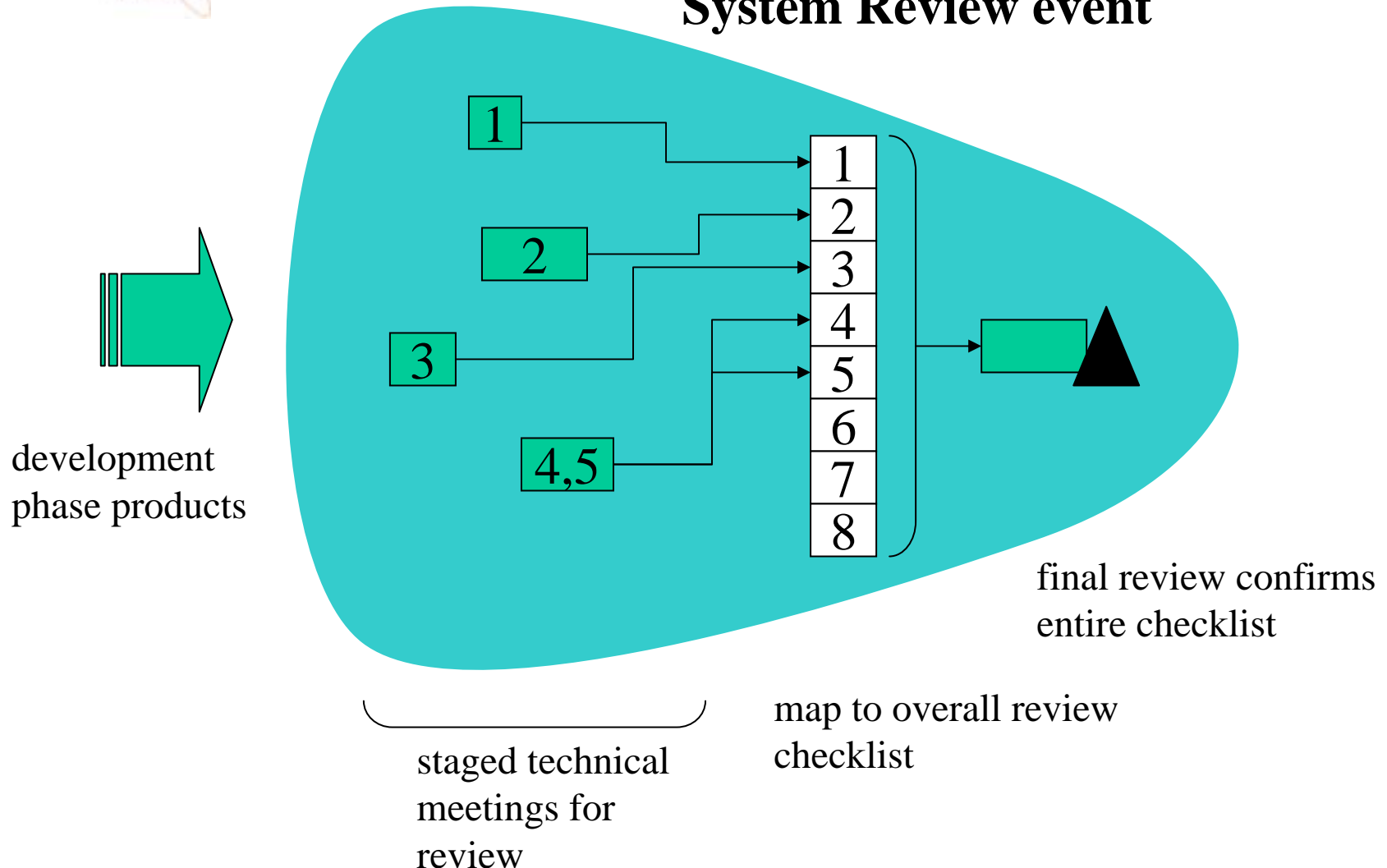
**Commonwealth responsible for approval at the system definition and verification boundary**



**Contractor responsible for approval at all lower levels of definition and verification**

# Progressive Reviews

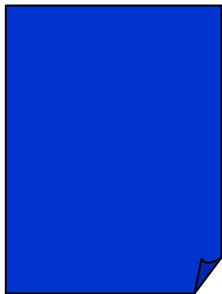
## System Review event



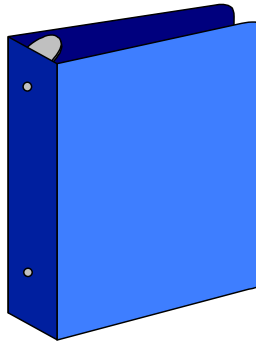
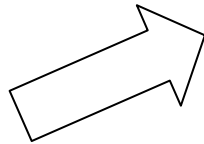
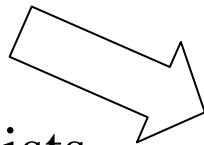
# System Review Plan



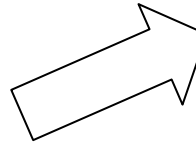
DMO Checklists



Contractor's processes  
and checklists

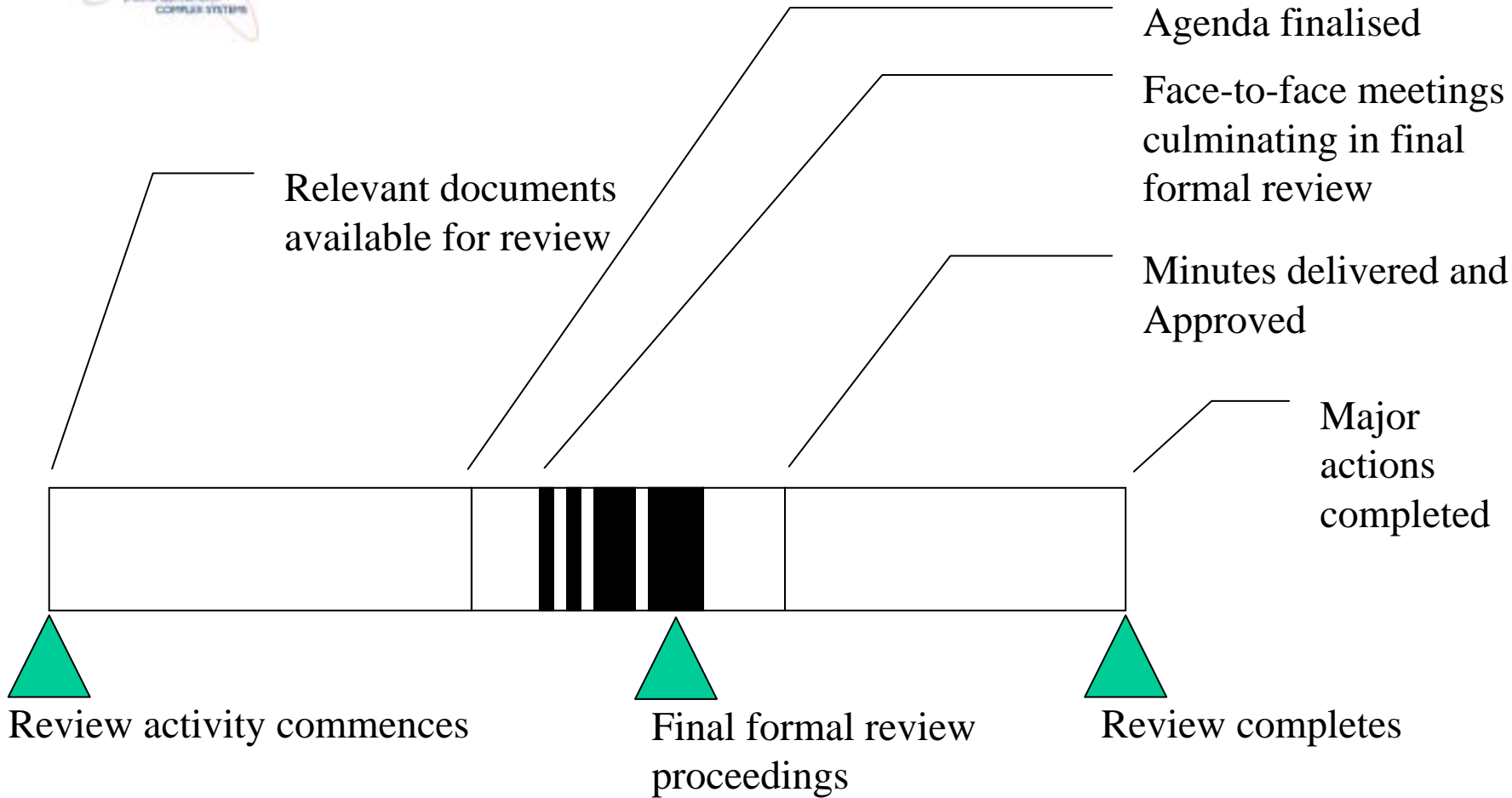


System Review Plan (SRP)

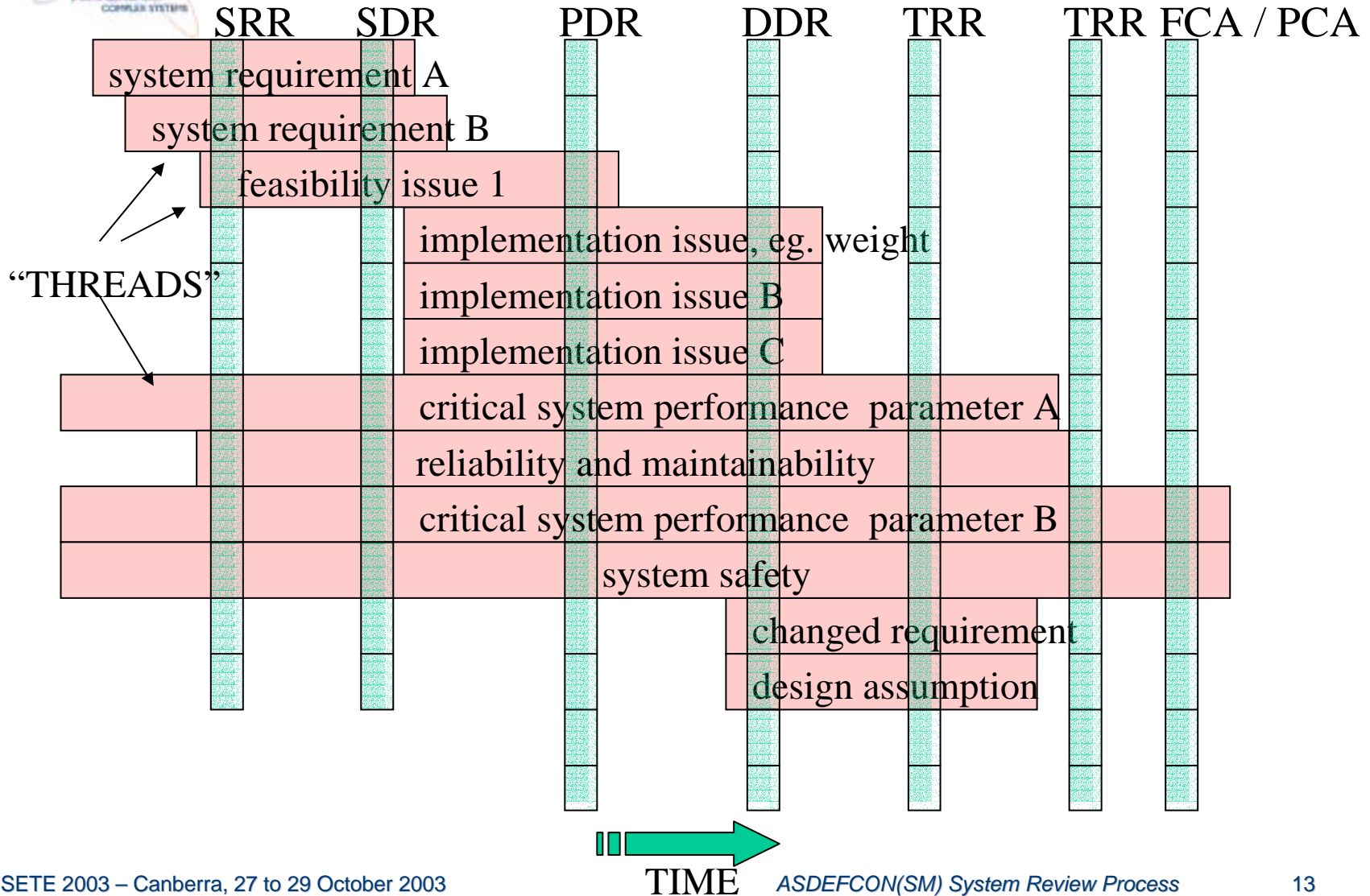


reviews  
conducted in  
accordance  
with SRP

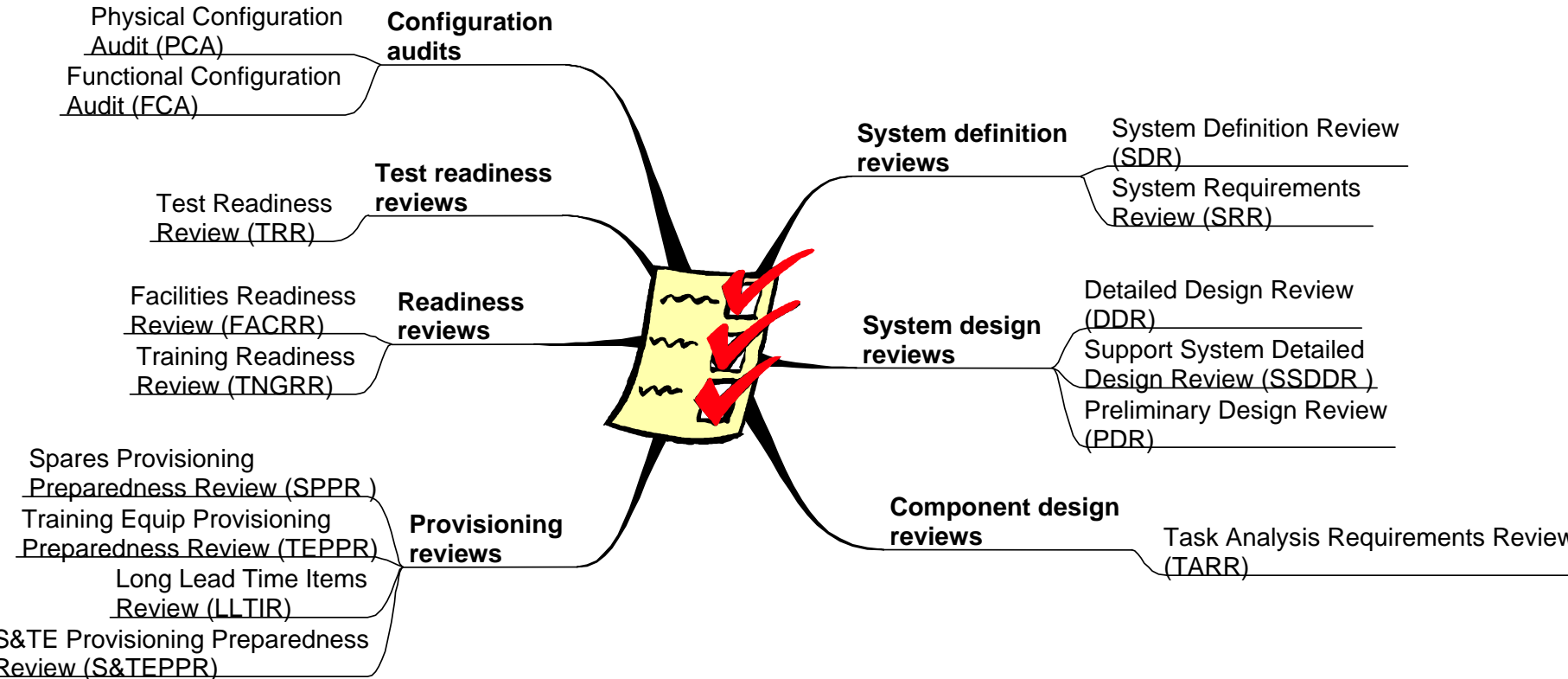
# Review Mechanics



# Review Threads



# Typical reviews





# ASDEFCON(SM)

- Consistent framework
- System Review Guide
  - release through MASF
- Ongoing refinement of Checklists

A satellite view of Earth showing the Atlantic Ocean, Europe, and Africa. The text is overlaid on the image.

**ASDEFCON(SM) System Review  
Process**

***Questions?***