

TSA Office of Requirements and Capabilities Analysis (ORCA)

ACC Conference – Security
Capabilities Workshop

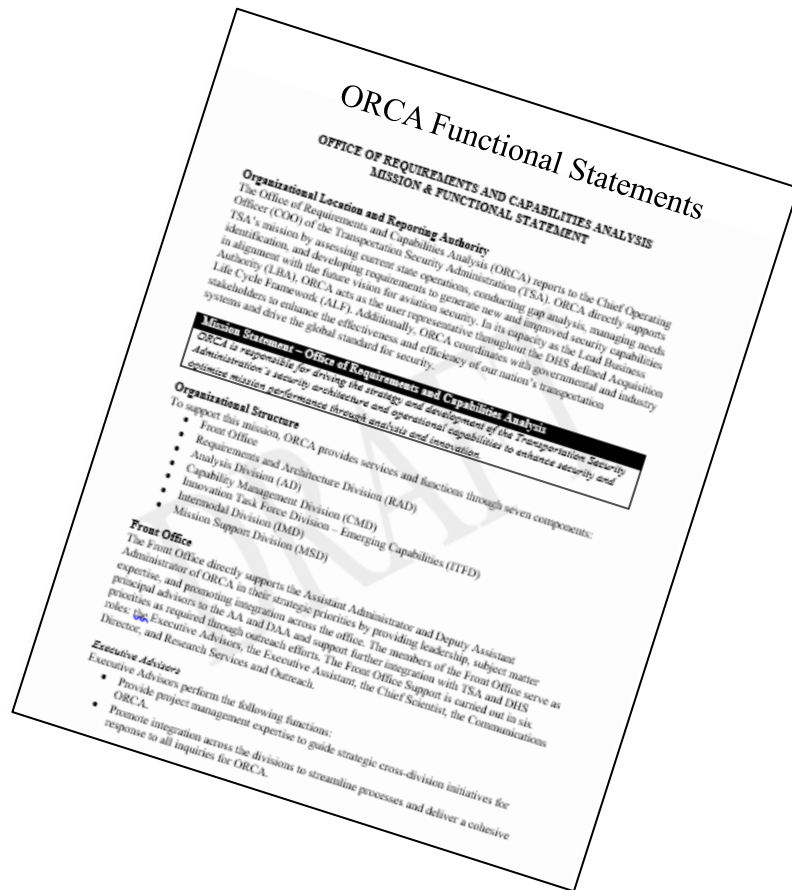


July 18th, 2017



Transportation
Security
Administration

Establishment of ORCA



- Lessons learned and DAU study results prompted TSA to realize its need for an effective and efficient requirements development process.
- To accomplish this, the organization looked into:
 - DHS counterpart organizations with same mission (CBP and USCG)
 - Systems engineering and ORSA focused organization
 - Support to the Front Lines

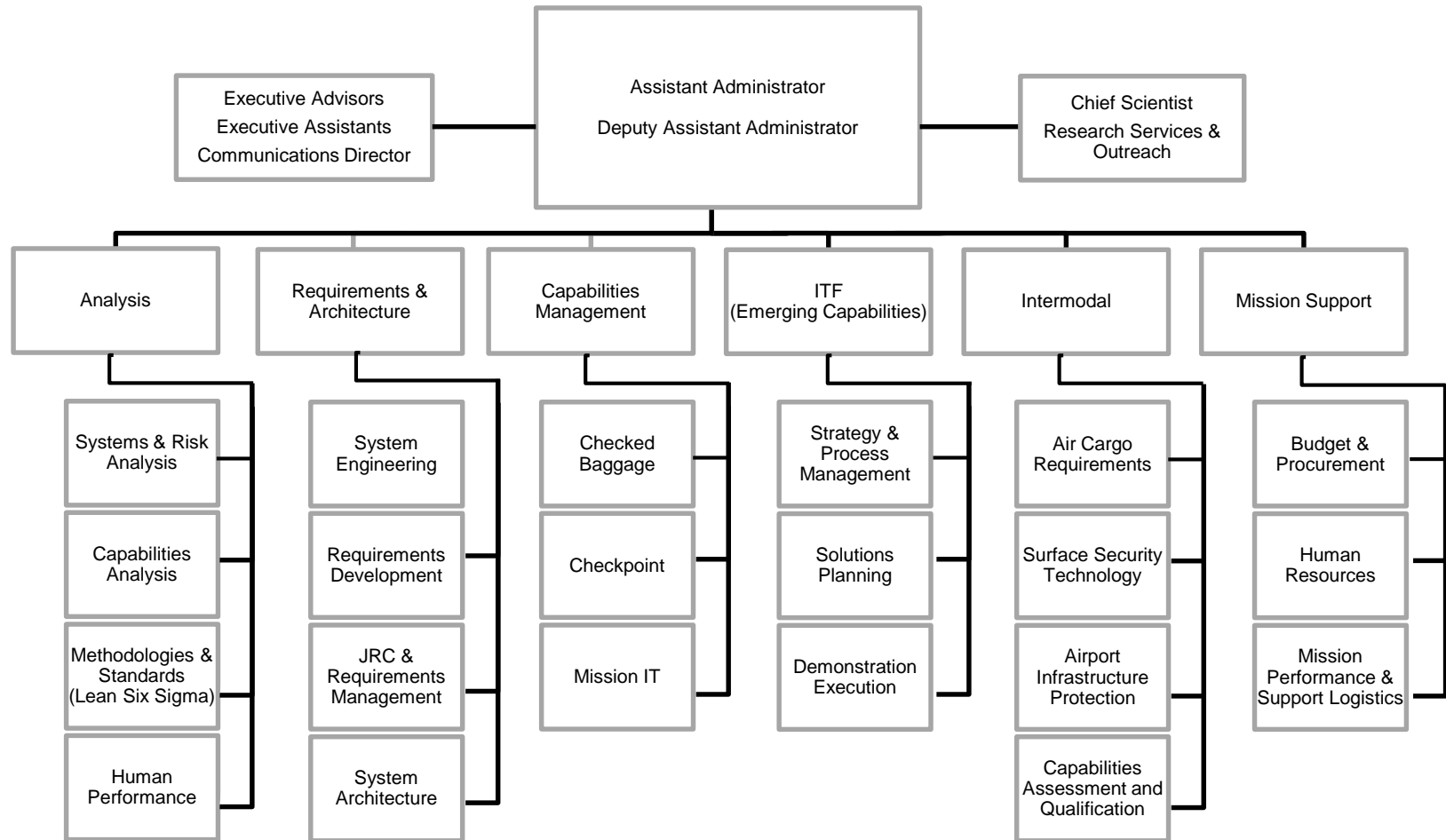
ORCA Vision

***Vision:** ORCA is responsible for driving the strategy and development of the Transportation Security Administration's security architecture and operational capabilities to enhance security and optimize mission performance through analysis and innovation.*

Purpose of ORCA:

- Identifies and prioritizes capability gaps
- Conducts analytical trades to better define and document operational requirements
- Drives and documents mission needs
- Serves as TSA's hub of innovation
- Serves as the user's advocate

ORCA Organizational Chart



Approved by Huban A. Gowadia, Ph.D.
Acting Administrator

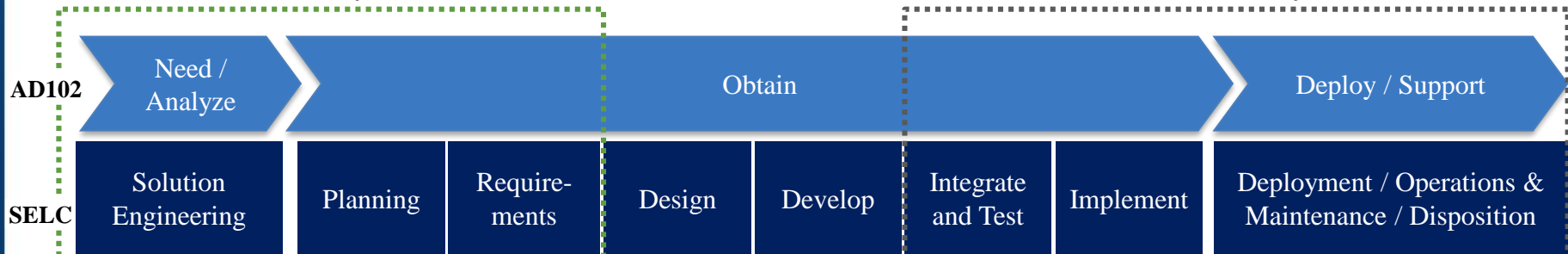
Signature: *Huban A. Gowadia*
Date: JUN 23 2017

How Does ORCA Align to Capability Process?

ORCA acts as the user representative to move capabilities throughout all stages of the capability development lifecycle.

ORCA Primary Functions

ORCA Secondary Functions



Products:

- Capability Analysis Report (CAR)
- Mission Needs Statements
- Capability Development Plan (CDP)
- Analysis of Alternatives (AoA)
- Acquisition Program Documentation

Products:

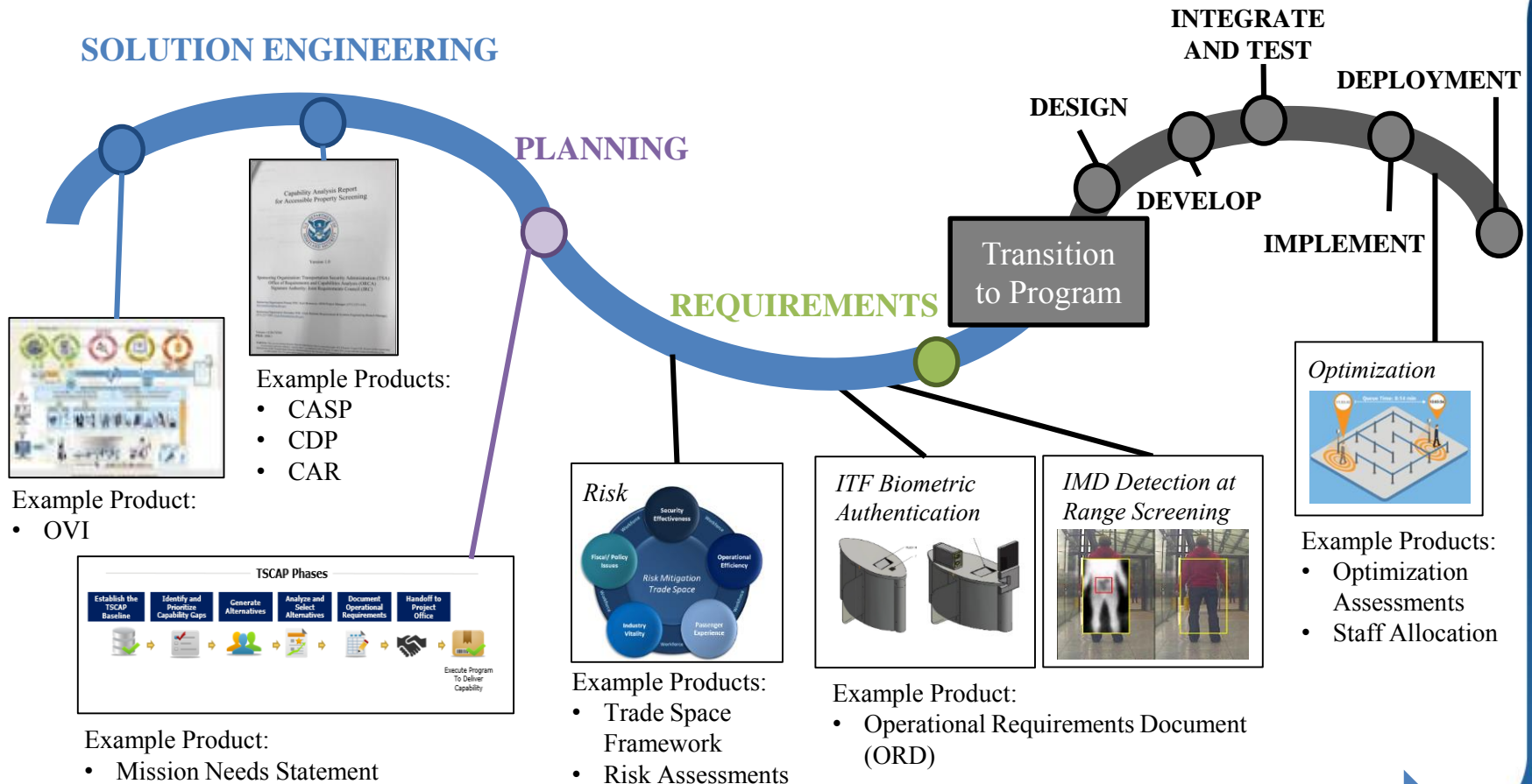
- Results from operational testing and evaluation
- Project Plans
- Functional Requirements
- Lessons Learned

ORCA Requirements and Capability Process

The roadmap below outlines the steps in the SELC process that ORCA follows and the Division responsible for completing tasks at each step.

SELC Process Steps

Products



Capabilities Management/User Representative