

The Way Forward to Achieve Net Centric Interoperability



Mr. Anthony Devino

202-781-2759

anthony.devino@navy.mil

Megan.Vanderberry@cotf.navy.mil





Current Environment

R
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We are experiencing the transformation of Knowledge and Practices of what worked well during Analog Systems Procurement to the disciplined approach required to successfully operate in the Digital Environment era.



OUTLINE

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- We will discuss:
 - A holistic view of the Net Centric Definition
 - Policy and Structure



A Balanced Approach

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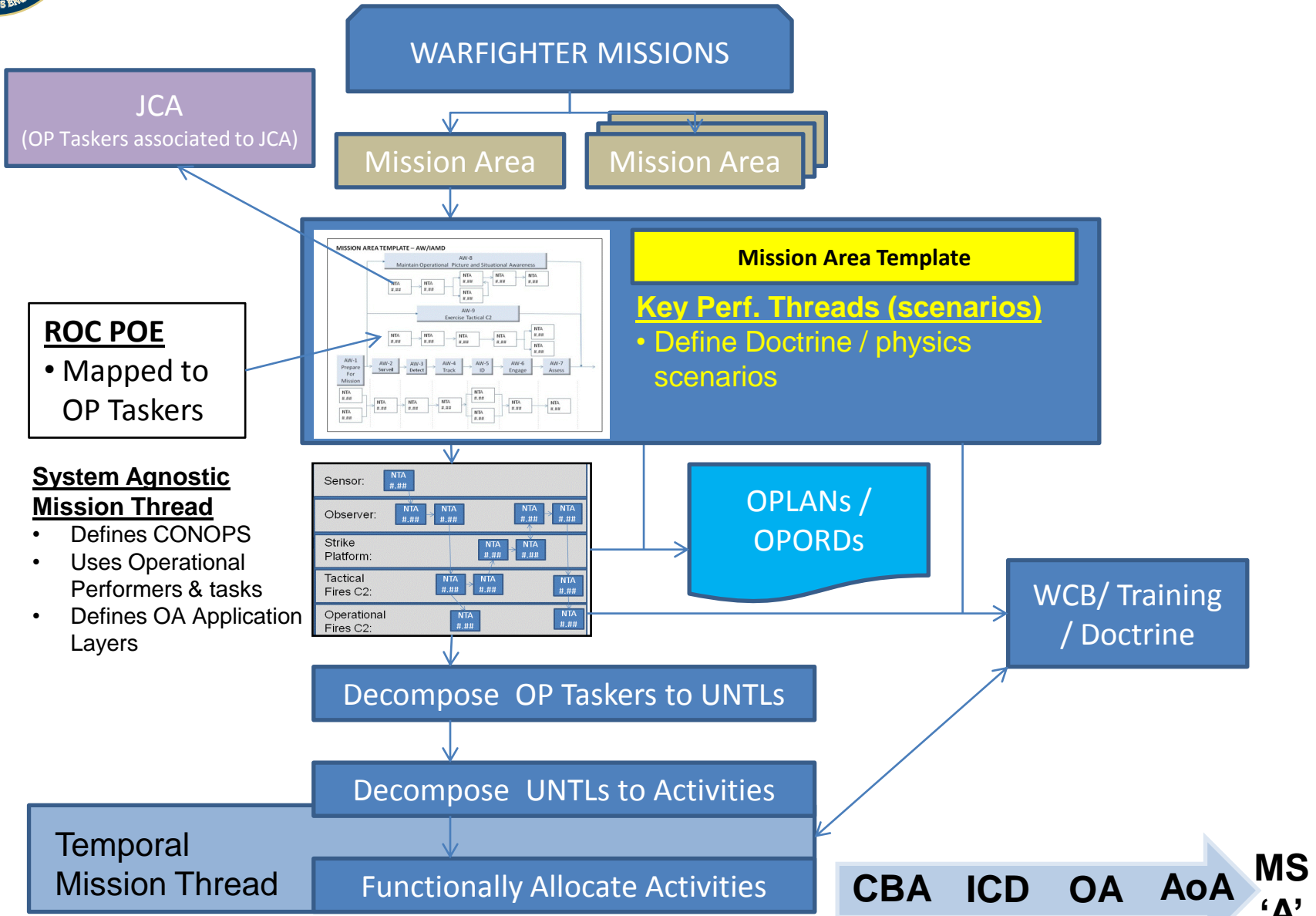


- Provides Guidance
- Enables Consistency
- Fosters lessons learned
- Establishes Standards
- Enables Data Integration
- Data Leveling (Above/Below)
- Data Traceability (Cap-Sys Funct.)
- Enables Data Sharing



Vertical Structure for Data

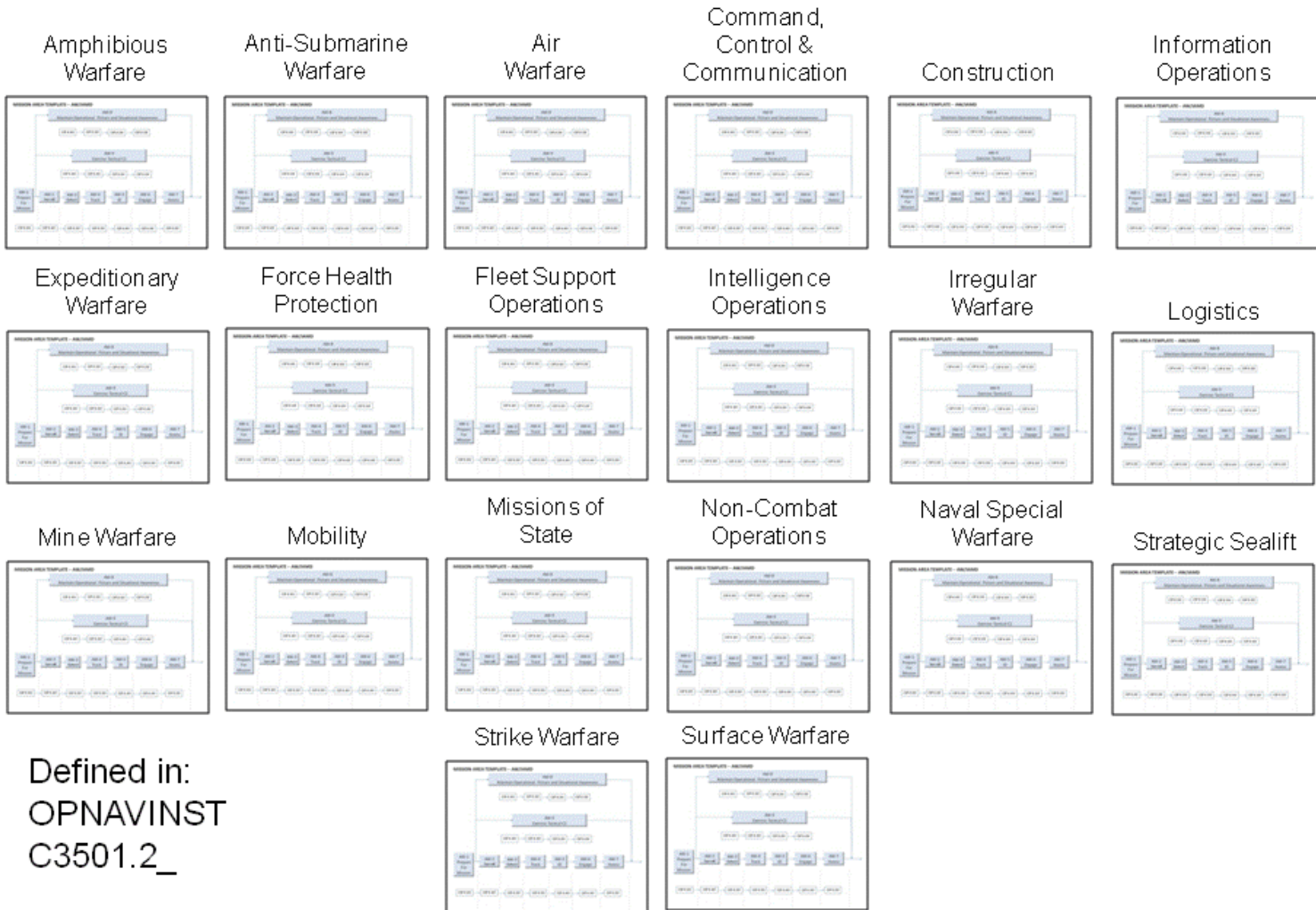
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Mission Areas

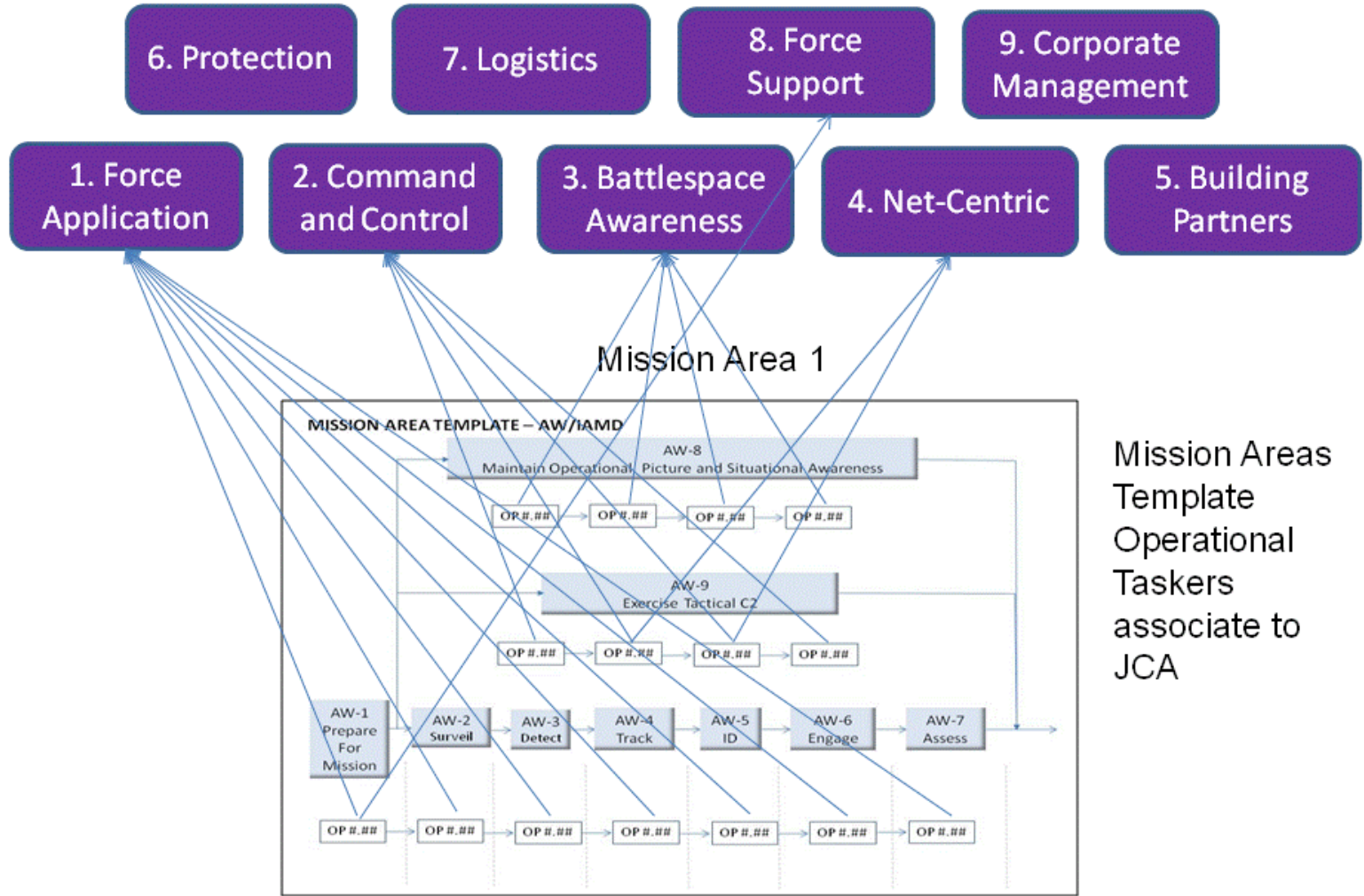
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THE STARTING POINT FOR MISSION DEFINITION



Associate to JCA



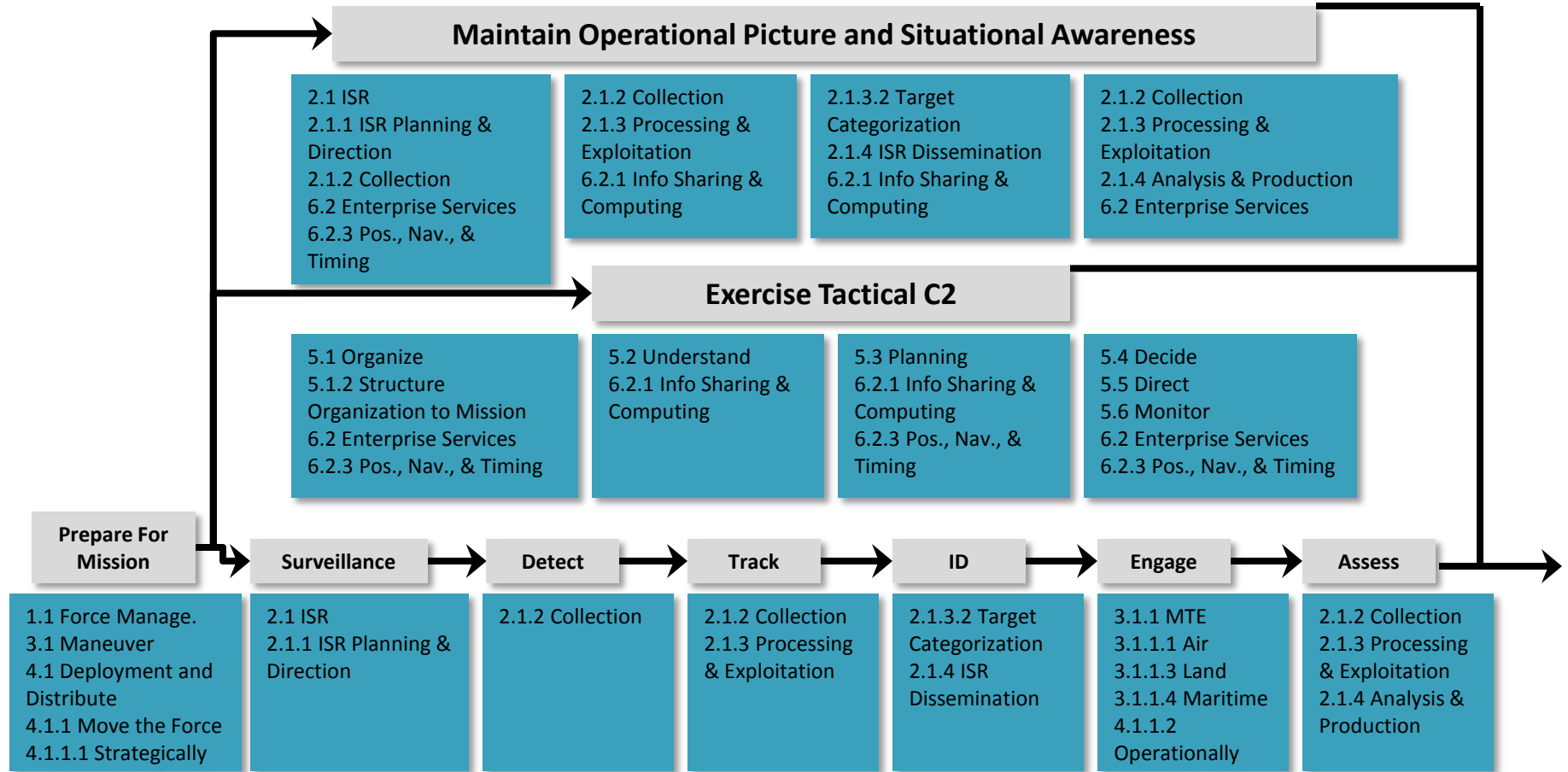
Mission Areas Template Operational Taskers associate to JCA

USING OPERATIONAL TASKERS (UJTLS) – ENABLE FEDERATION



Naval Level - Mission Area Template

EXPEDITIONARY WARFARE – GOPLAT Mission

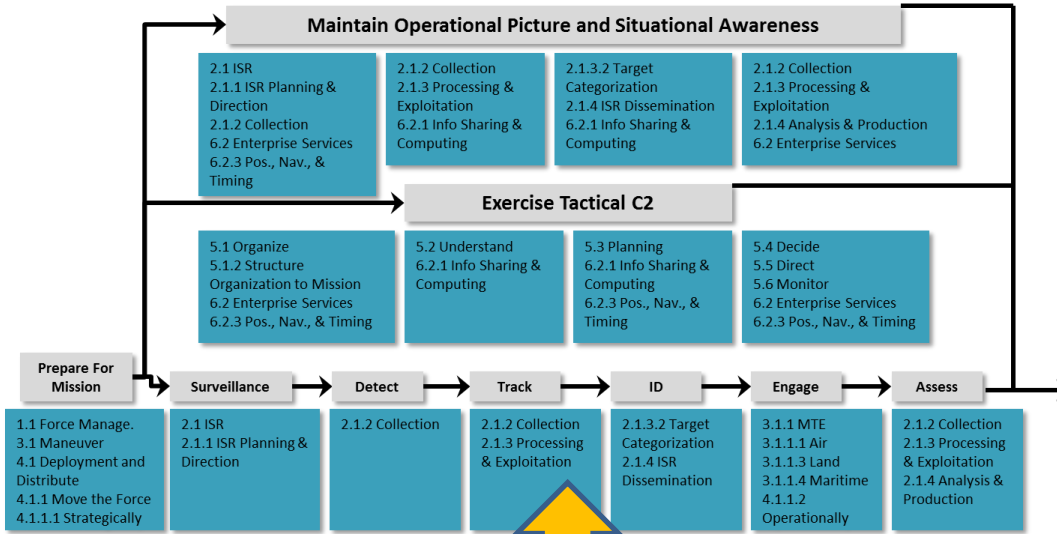


UNTLs DEFINE THE NAVAL REQUIREMENTS

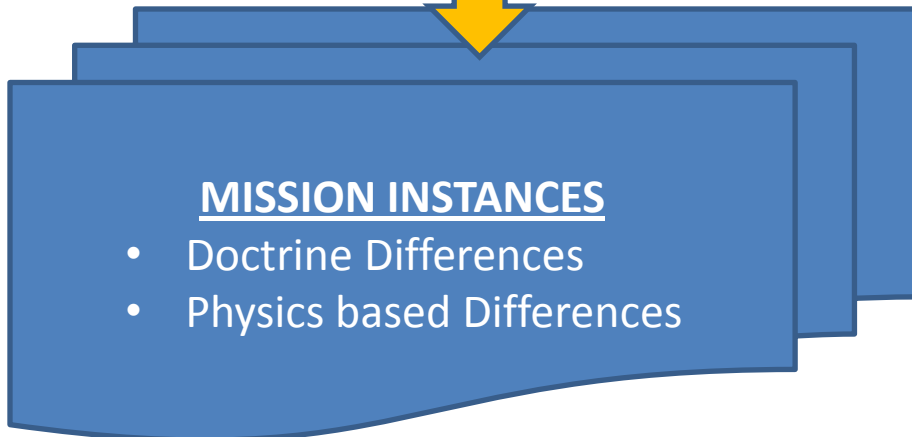


Complete Mission Context

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DEFINES WHAT NEEDS TO BE ACCOMPLISHED

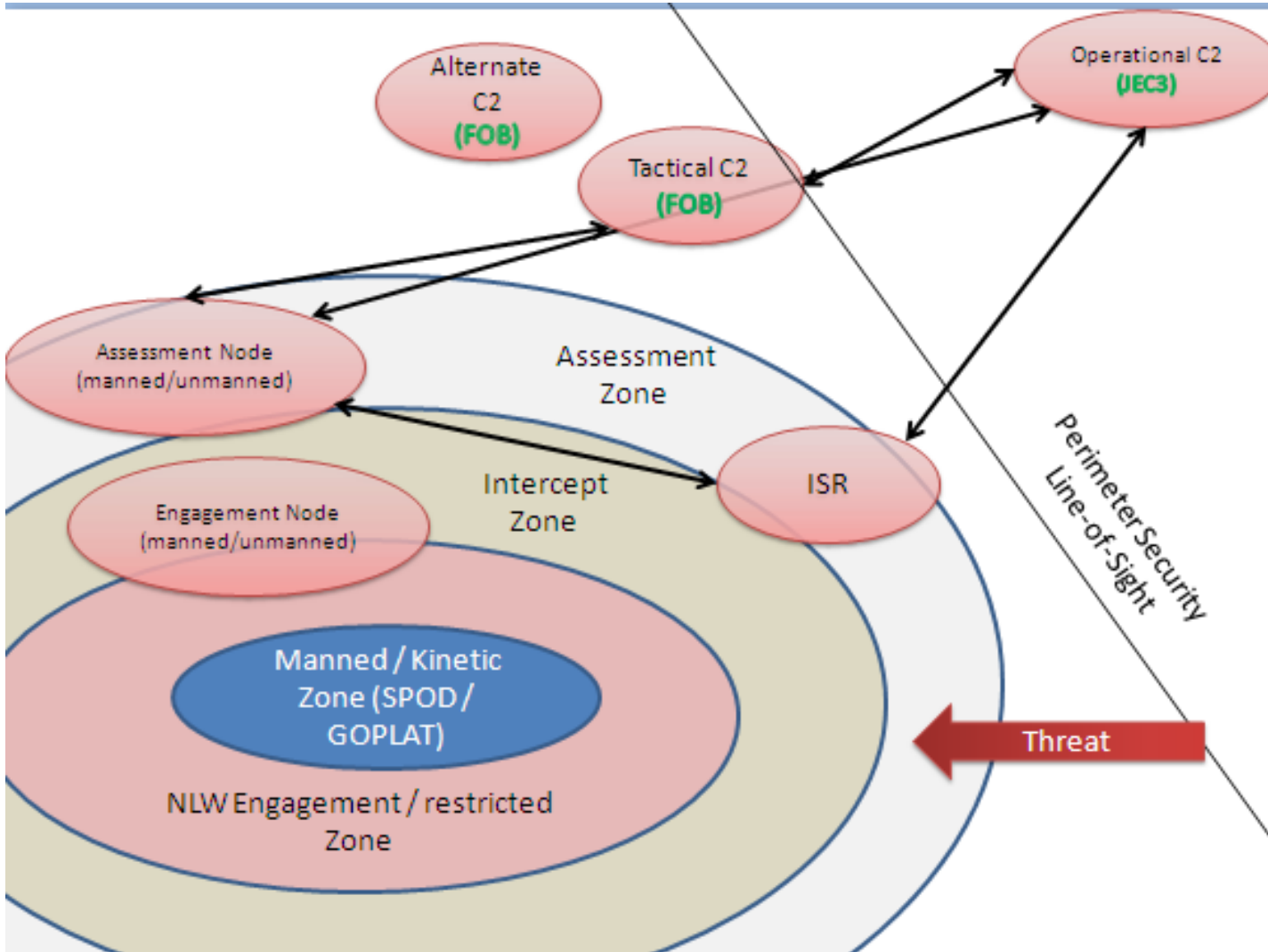


DEFINES THE CONDITIONS TO COMPLETE THE MISSION



Operational Performers OV-1

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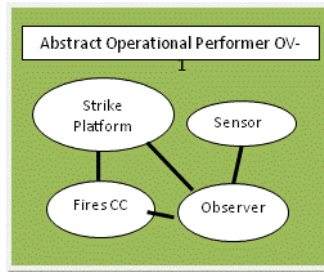
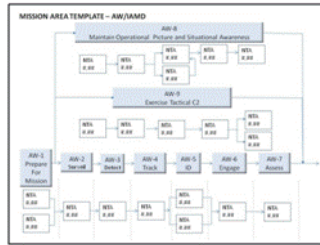
PERFORMER SPECIFIC – NOT SYSTEM CENTRIC



System Agnostic Mission

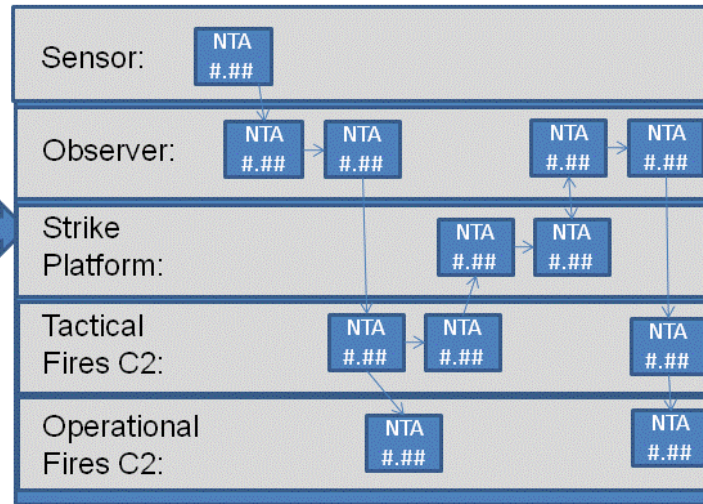
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Naval (NTA) Oper
Template



COCOMS

System Agnostic Mission Thread



Defines a common context to:

- Conduct CBA
- Conduct AoA
- Feed ICD

Prevents Community Bias to Solution

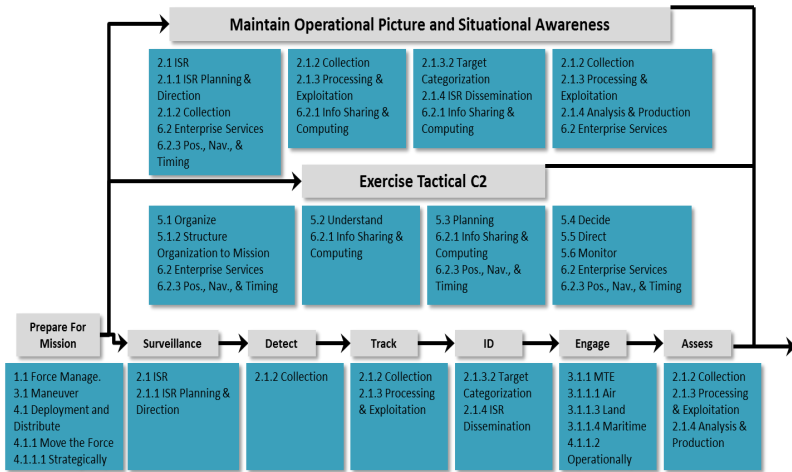
DEFINE THE CONOPS IN COMMON CONTEXT



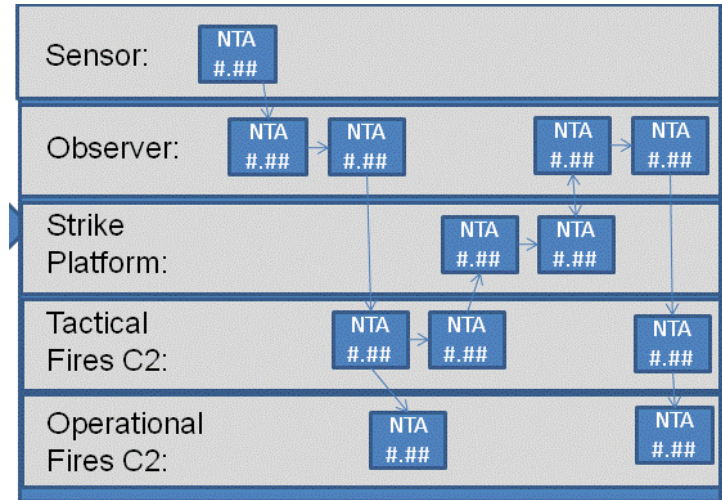
Provide a Common Blue Print

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MISSION AREA TEMPLATES



SYSTEM AGNOSTIC



SUPPORTS

COTF:
Integrated Evaluation Framework

TRAINING

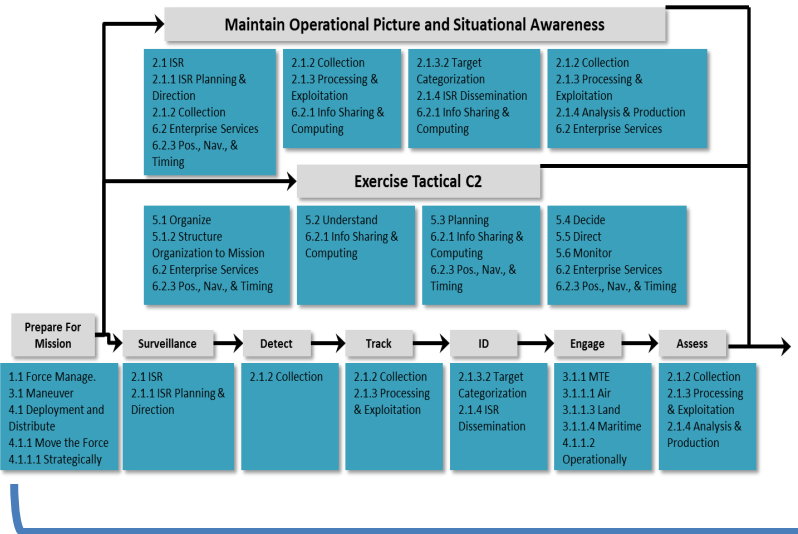
ACQUISITION
DoDAF MISSION THREAD



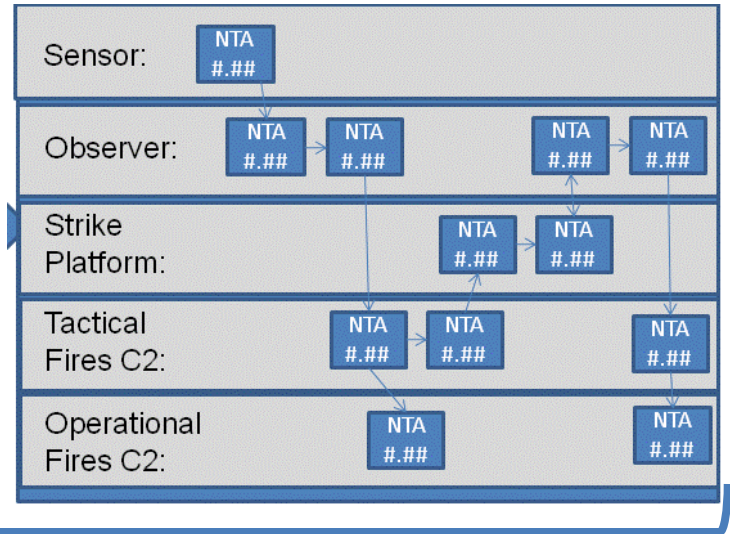
ACQUISITION

RCSE

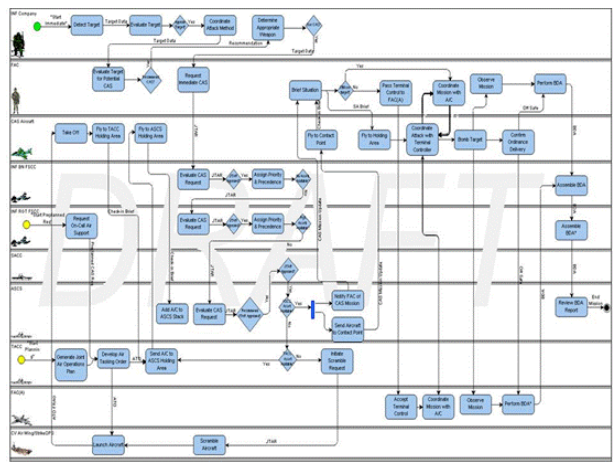
MISSION AREA TEMPLATES



SYSTEM AGNOSTIC



Mission Thread



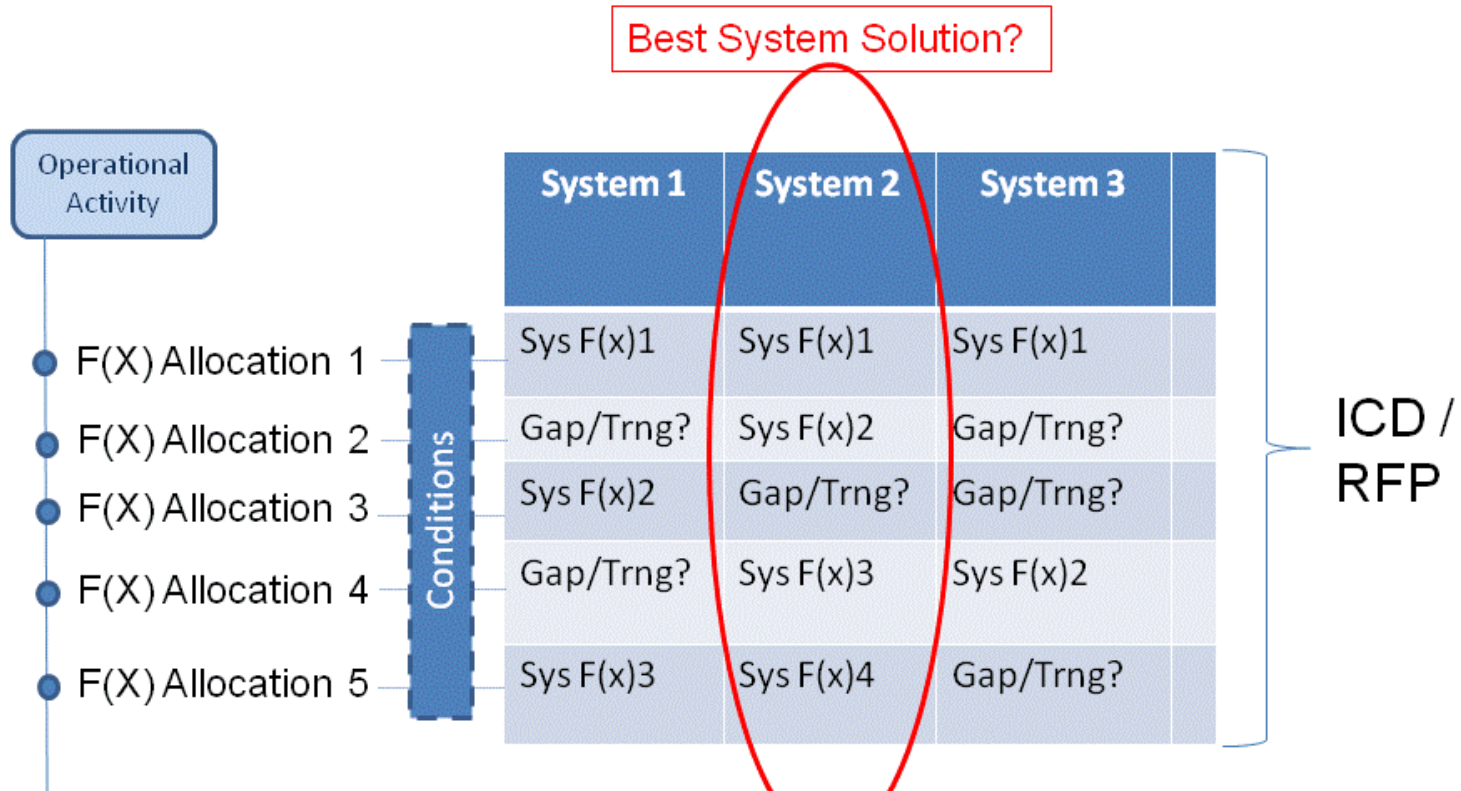
OV-5/6c

Combines:

- Activities
- Human decisions
- Exchanges



Allocated Functions for Activities



Functionally Allocate Activities in OV-5/6c

- Creates a common baseline to compare system performance
- Identifies seaming point between training and system performance
- Enables Open Architecture applications
- Becomes the sourcing of the ICD



POLICY

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- Needs to support Network Standards
 - NETWORK STANDARDS
 - Gov't Managed – Govern migration plan
 - Enforced
 - Software test tools to test conformance
 - Eliminates conformance differences in engineering DT
 - Conducts boundary condition testing
 - Provided to Program of Record
 - Reduces engineering hours
 - Becomes Enterprise responsibility
 - Defines the Net Ready Key Performance Parameters



POLICY

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- Another Policy won't solve the problem
 - Need to take Enterprise Responsibility of the Mission Space
 - Joint Mission Threads are enabling this
- Change the Culture
 - Planning upfront will accelerate delivery
 - Remove the lightning bolts to cloud mentality
 - Digital requires definition



NEXT STEP

- We don't need to change our Acquisition Process:
 - Need to think Holistic in our approach and solution set
 - Do we have a structure that can support our policies?
- We need to establish a mission level definition
 - The process needs to support the Program Manager not place the burden on them
 - JMT's and Mission-Level products are the start
- Operational Test should become the Graduation Exercise not the discovery point
 - Software test tools check for conformance during engineering Developmental Testing



Questions

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Anthony Devino
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