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Enterprise Model of the Dynamic Targeting Process Using UAF

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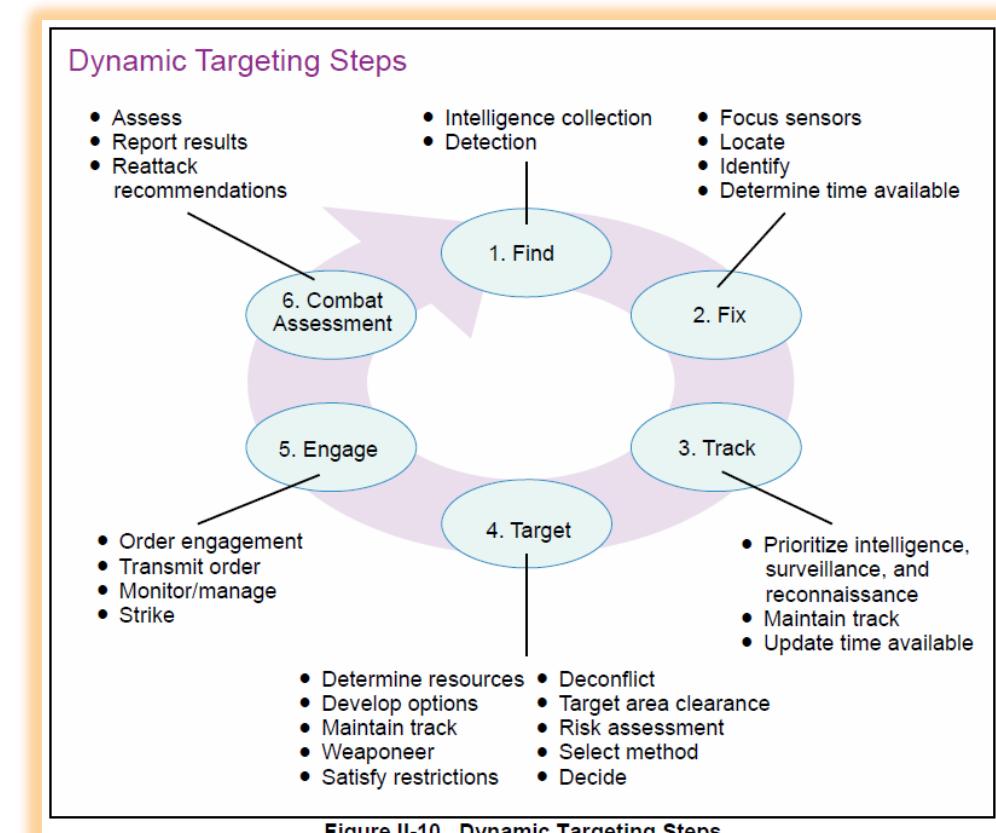
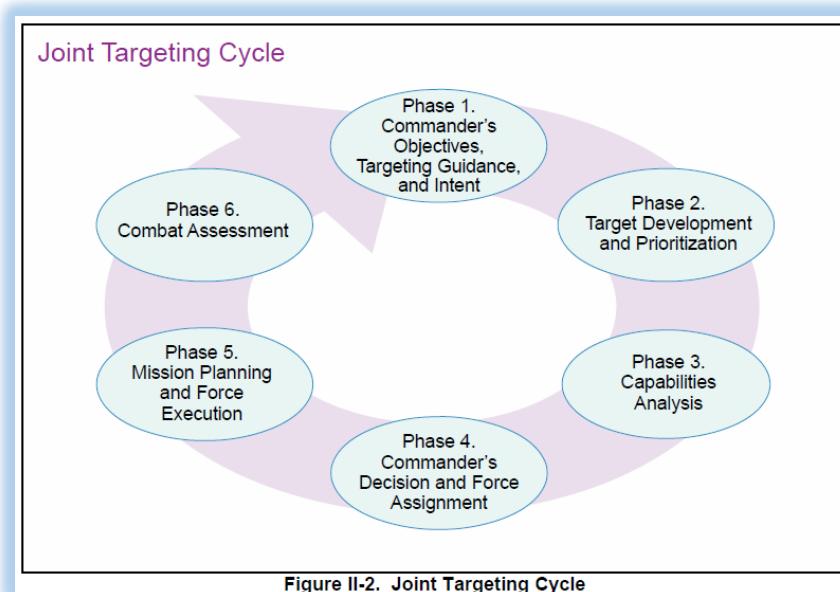
Enterprise Model of the Dynamic Targeting Process Using the Unified Architecture Framework (UAF)

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July 2025
Ottawa, Canada
INCOSE International Symposium

Project Task

- Develop architecture model and views for the Joint Targeting processes in JP 3-60
 - *Joint Targeting Cycle*
 - *Dynamic Targeting Steps*
- Link to other models, such as C3BM, Battle Network, ICBM, etc
- Build model with the Unified Architecture Framework (UAF) while using the UAF Workflow in the “EA Guide for UAF”



Mission Engineering Views in UAF

UAF OMG UNIFIED ARCHITECTURE FRAMEWORK™	Motivation Mv	Taxonomy Tx	Structure Sr	Connectivity Cn	Processes Pr	States St	Sequences Sq	Information If	Parameters Pm	Constraints Ct	Roadmap Rm	Traceability Tr
Architecture Management Am	Architecture Principles Am-Mv	Architecture Extensions Am-Tx	Architecture Views Am-Sr	Architectural References Am-Cn	Architecture Development Method Am-Pr	-	-	Dictionary Am-If	Architecture Parameters Am-Pm	Architecture Constraints Am-Ct	Architecture Roadmap Am-Rm	Architecture Traceability Am-Tr
Summary & Overview Sm-Ov												
Strategic St	Strategic Motivation St-Mv	Strategic Taxonomy St-Tx	Strategic Structure St-Sr	Strategic Connectivity St-Cn	Strategic Processes St-Pr	Strategic States St-St	-	Strategic Information St-If	Strategic Constraints St-Ct	Strategic Roadmaps: Deployment, Phasing St-Rm-D, -P	Strategic Traceability St-Tr	
Operational Op	Operational Taxonomy Op-Tx	Operational Structure Op-Sr	Operational Connectivity Op-Cn	Operational Processes Op-Pr	Operational States Op-St	Operational Sequences Op-Sq		Operational Information Model Op-If	Operational Constraints Op-Ct	-	Operational Traceability Op-Tr	
Services Sv	Services Taxonomy Sv-Tx	Services Structure Sv-Sr	Services Connectivity Sv-Cn	Services Processes Sv-Pr	Services States Sv-St	Services Sequences Sv-Sq		Services Constraints Sv-Ct	Competitor Analysis Sv-Ca	Services Roadmaps: Evolution, Forecast Sv-Rm-E, -F	Services Traceability Sv-Tr	
Personnel Ps	Requirements Rq-Mv	Personnel Taxonomy Ps-Tx	Personnel Structure Ps-Sr	Personnel Connectivity Ps-Cn	Personnel Processes Ps-Pr	Personnel States Ps-St	Personnel Sequences Ps-Sq	Personnel Information Model Ps-If	Personnel Constraints Ps-Ct	Personnel Roadmaps: Performance Ps-Rm-P, -D	Personnel Traceability Ps-Tr	
Resources Rs	Resources Taxonomy Rs-Tx	Resources Structure Rs-Sr	Resources Connectivity Rs-Cn	Resources Processes Rs-Pr	Resources States Rs-St	Resources Sequences Rs-Sq		Resources Information Model Rs-If	Risks Rk-Pm	Resources Constraints Rs-Ct	Resources Roadmaps: Evolution, Forecast Rs-Rm-E, -F	Resources Traceability Rs-Tr
Security Sc	Security Controls Sc-Mv	Security Taxonomy Sc-Tx	Security Structure Sc-Sr	Security Connectivity Sc-Cn	Security Processes Sc-Pr	-	-			Security Constraints Sc-Ct		Security Traceability Sc-Tr
Projects Pj	-	Projects Taxonomy Pj-Tx	Projects Structure Pj-Sr	Projects Connectivity Pj-Cn	Projects Processes Pj-Pr	-	-					
Standards Sd	-	Standards Taxonomy Sd-Tx	Standards Structure Sd-Sr	-	-	-	-				Standards Roadmap Sd-Rm	Standards Traceability Sd-Tr
Actual Resources Ar	-	-	Actual Resources Structure, Ar-Sr	Actual Resources Connectivity, Ar-Cn	Simulation			-	Parametric Execution/ Evaluation	-	-	-

Capabilities & Threats

Mission Threads

Mission Engineering Threads

MOS's, MOE's & MOP's

Services

Personnel

Security

Projects

Roadmaps

JP 3-60 Joint Targeting Model Development Tasks



• Task 1: Dynamic Targeting Process (May)

- Dynamic Targeting activities decomposition and flows (aka F2T2EA or Kill Chain)
- Operational flow diagrams (Level 1 and Level 2)

• Task 2: Joint Targeting Cycle Phases (June)

- Joint Targeting operational activities decomposition and information flows
- Operational flow diagrams for Joint Targeting Cycle
- Next level operation flow diagrams for each Joint Targeting Cycle steps

• Task 3: Strategic Views (July)

- Relevant Strategic Drivers, Enterprise Goals & Objectives, Challenges & Opportunities, Capabilities & Effects
- Traceability from Operational activities to Capabilities
- Traceability from Capabilities to Objectives and Opportunities

• Task 4: Resources, Personnel, and Standards Views (August)

- Relevant Resources, Personnel and Standards
- Traceability from Resources and Personnel to operational activities

• Task 5: Model Validation and Testing (September)

- End users experiment with the model and tool
- Test with actual use cases

• Future (Sept and Beyond)

- Integrate with C3BM architecture and/or other architecture models
- Incorporate and federate into larger enterprise architecture models
- Model and integrate with JP 5-0 Joint Planning process

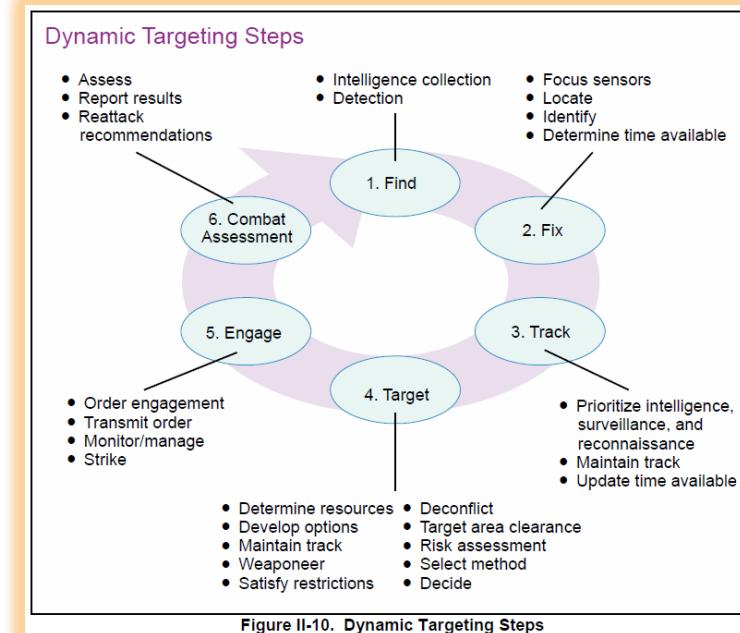


Figure II-10. Dynamic Targeting Steps

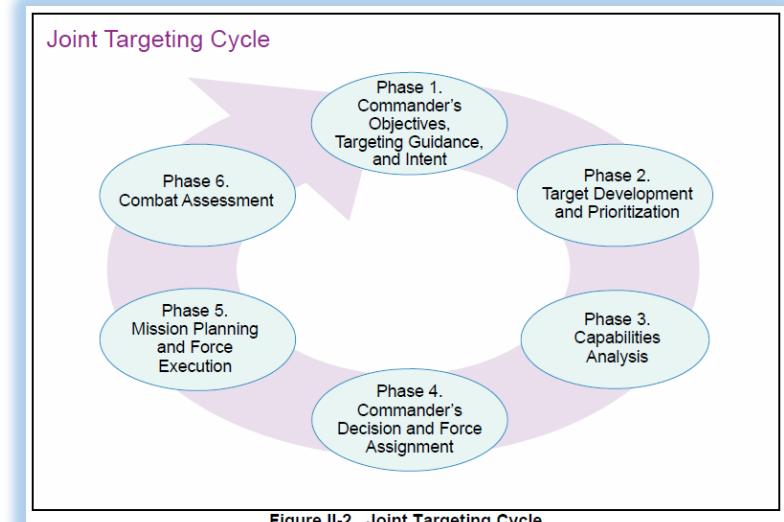


Figure II-2. Joint Targeting Cycle

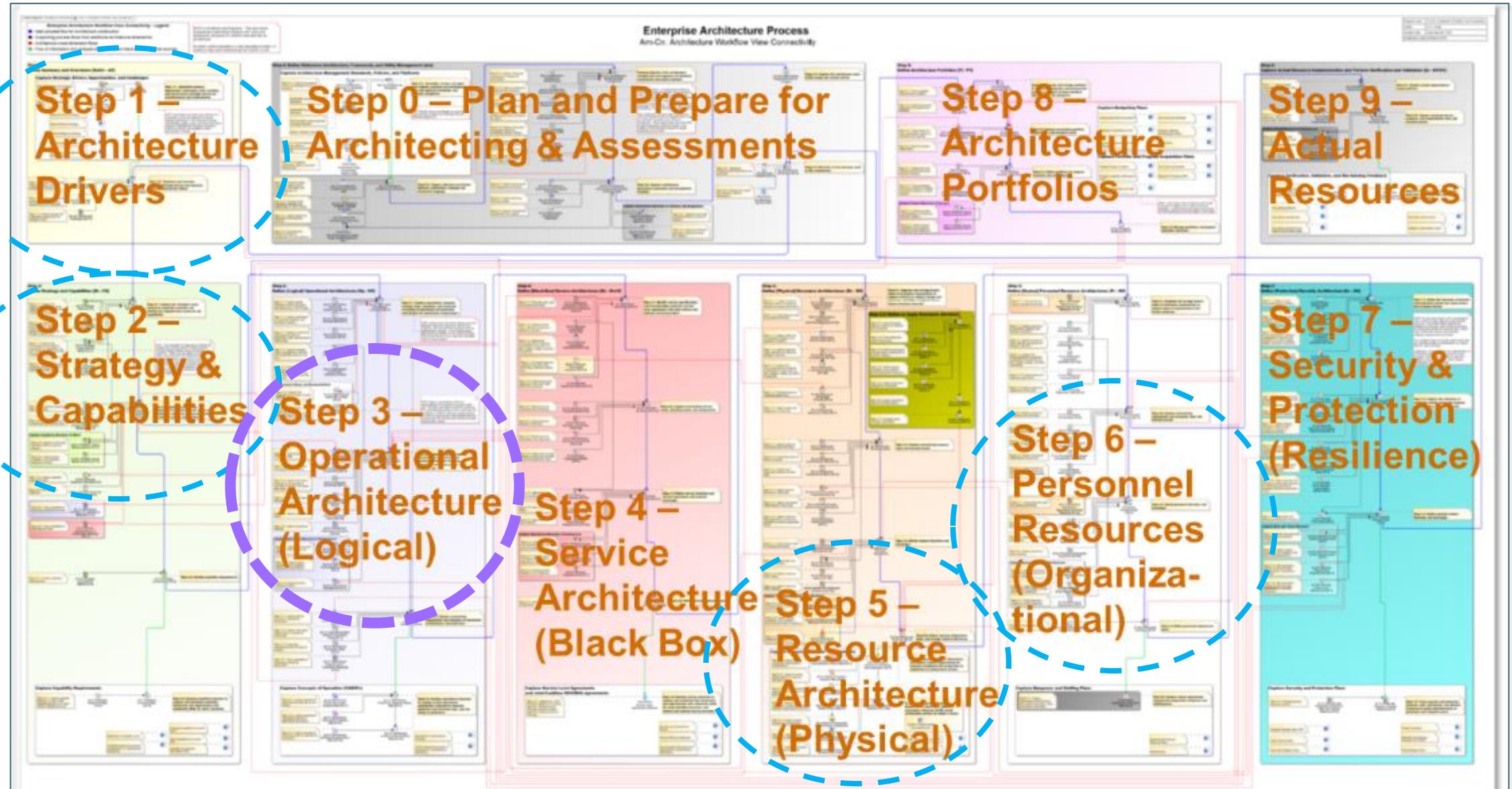
JP 3-60 Joint Targeting Model Views from UAF



- **Task 1: Dynamic Targeting Process (April-May)**
 - *Structure View (Op-Sr – OV-2)*
 - *Operational Activities (Op-Pr – OV-5a)*
 - *Operational Activity Flows (Op-Pr – OV-5b)*
 - *Next lower-level views (Op-Sr, Op-Pr)*
- **Task 2: Joint Targeting Cycle (May-June)**
 - *Structure View (Op-Sr – OV-2)*
 - *Operational Activities (Op-Pr – OV-5a)*
 - *Operational Activity Flows (Op-Pr – OV-5b)*
 - *Next lower-level views (Op-Sr, Op-Pr)*
- **Task 3: Strategic Views (July-August)**
 - *Strategic Motivation View (St-Mv)*
 - *Strategic Capabilities (St-Sr)*
- **Task 4: Resources, Personnel, and Standards Views (August-September)**
 - *Organizations & Responsibilities (Ps-Tx)*
 - *Organizations & Functions View (Ps-Sr)*
- **Task 5: Model Validation and Testing (September-October)**
 - *Experienced Targeting SME assessment*
 - *Use to assess actual Targeting Architecture model (deliberate and dynamic tasking)*
 - *Provide feedback to Joint Pub authors*
- **Future (Sept and Beyond)**
 - *Model JP 3-0 Joint Planning*
 - *Integrate Joint Planning & Targeting*
 - *Other Tasks TBD*

Enterprise Architecture Guide for UAF

9-Step Modeling Workflow Developed as Basis for the Guide



Joint Targeting Model Navigation Page



Content Diagram Model [[Joint Targeting Landing Page](#)]

Architecture Management Views



JointTargeting
Glossary

Supporting Reference Documents



JP 3-60 Joint
Targeting - 2018.pdf



ALSA: DT Multi-Service TTP
for Dynamic Targeting
January, 2022

Legends:

Item added beyond JP 3-60 per SME feedback
Questions or comments about model elements

Strategic Views



Joint Targeting
Objective and Capabilities



Capabilities Structure



Operational Activities to
Capabilities Mapping

Operational Views

Joint Targeting



Joint Targeting
Cycle (OV-5a)



Joint Targeting
Cycle Details (OV-5a)



Joint Targeting
(OV-5b)



Joint Targeting
Performers to Activities



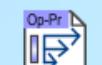
Operational Performers
Taxonomy

Dynamic Targeting (F2T2EA)

Dynamic Targeting (F2T2EA)



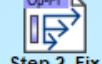
Dynamic Targeting
(OV-5a)



Step 1. Find



Dynamic Targeting
(OV-5b)



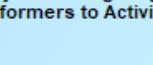
Step 2. Fix



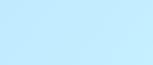
Dynamic Targeting
Performers to Activities



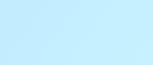
Step 3. Track



Step 4. Target



Step 5. Engage



Step 6. Assess

Personnel Views



Joint Force Staff, Orgs and
Responsibilities



Federated Joint
Targeting Support Orgs

Operational Views

Dynamic Targeting Process (ie, F2T2EA, the “Kill Chain”)

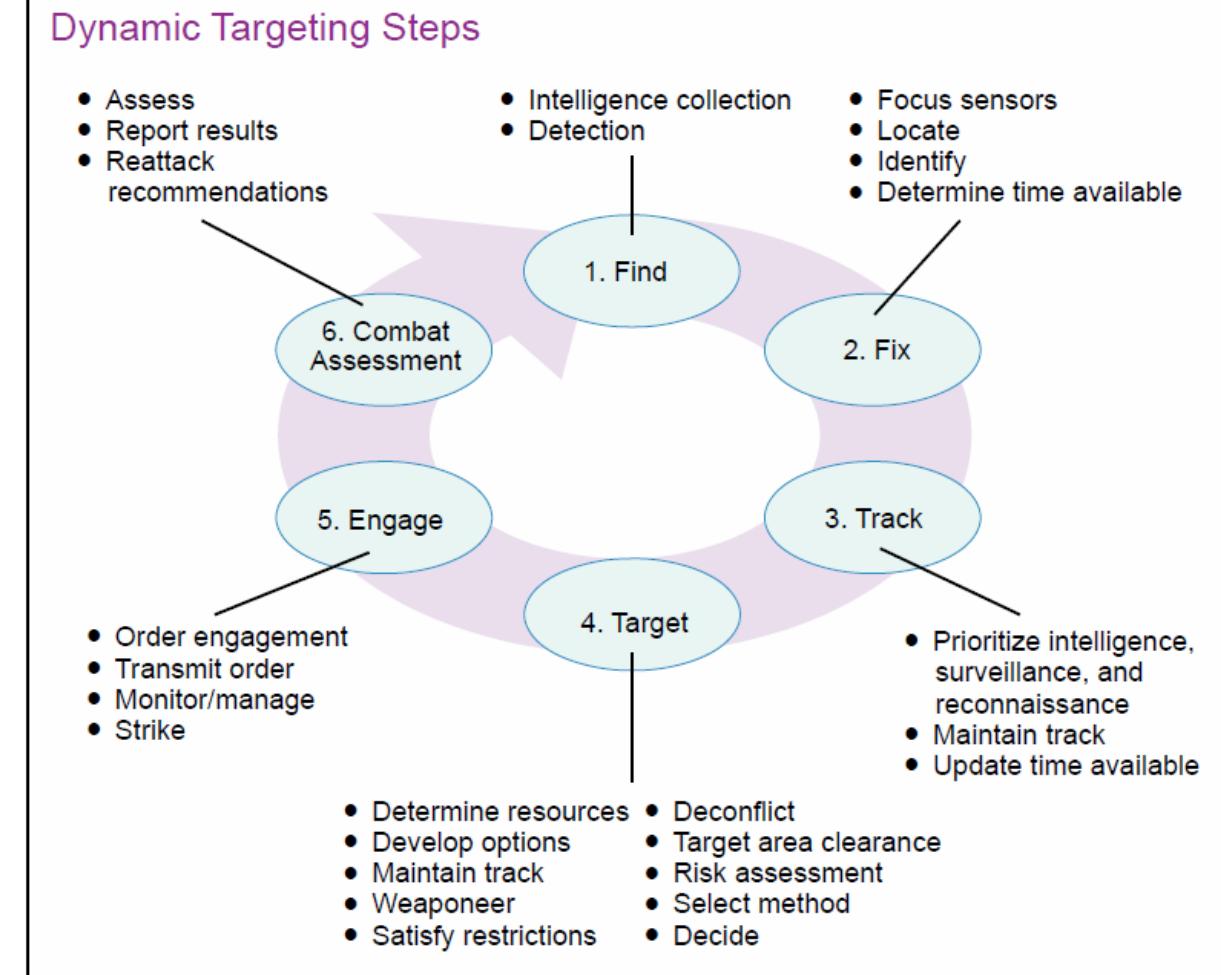
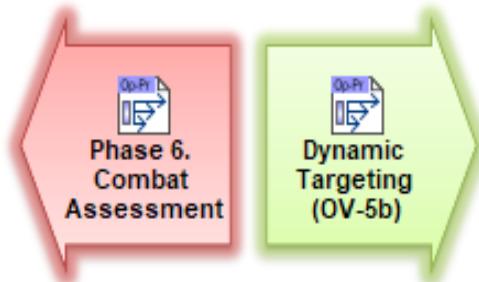


Figure II-10. Dynamic Targeting Steps

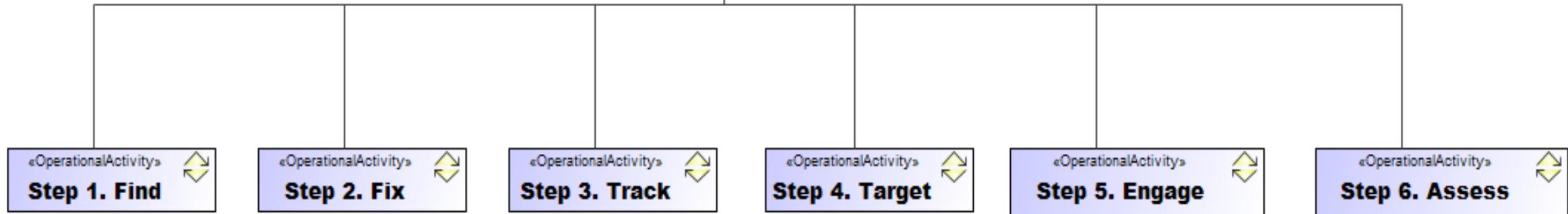
Dynamic Targeting (OV-5a)

(AKA the “Kill Chain”)

Operational Processes [Dynamic Targeting(OV-5a)]



Source:
JP 3-60 "Joint Targeting", 2018/09028
Page II-23. Figure II-10



Dynamic Targeting Steps

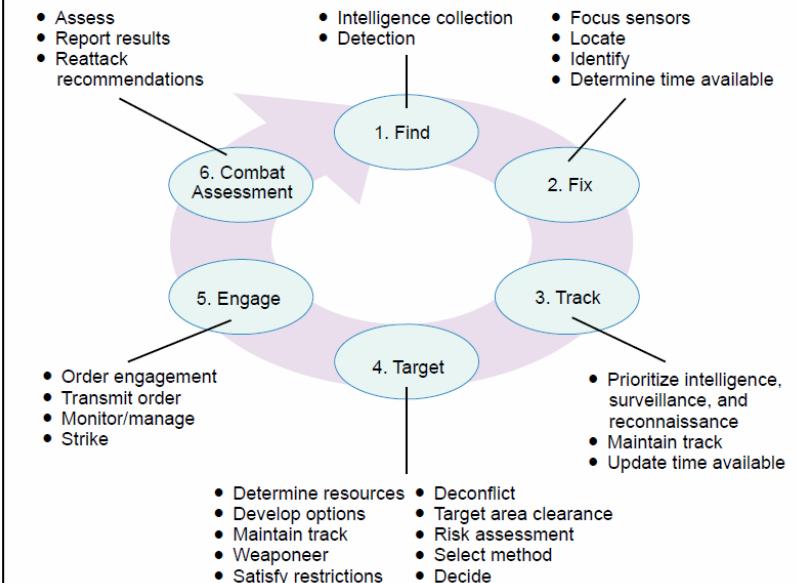
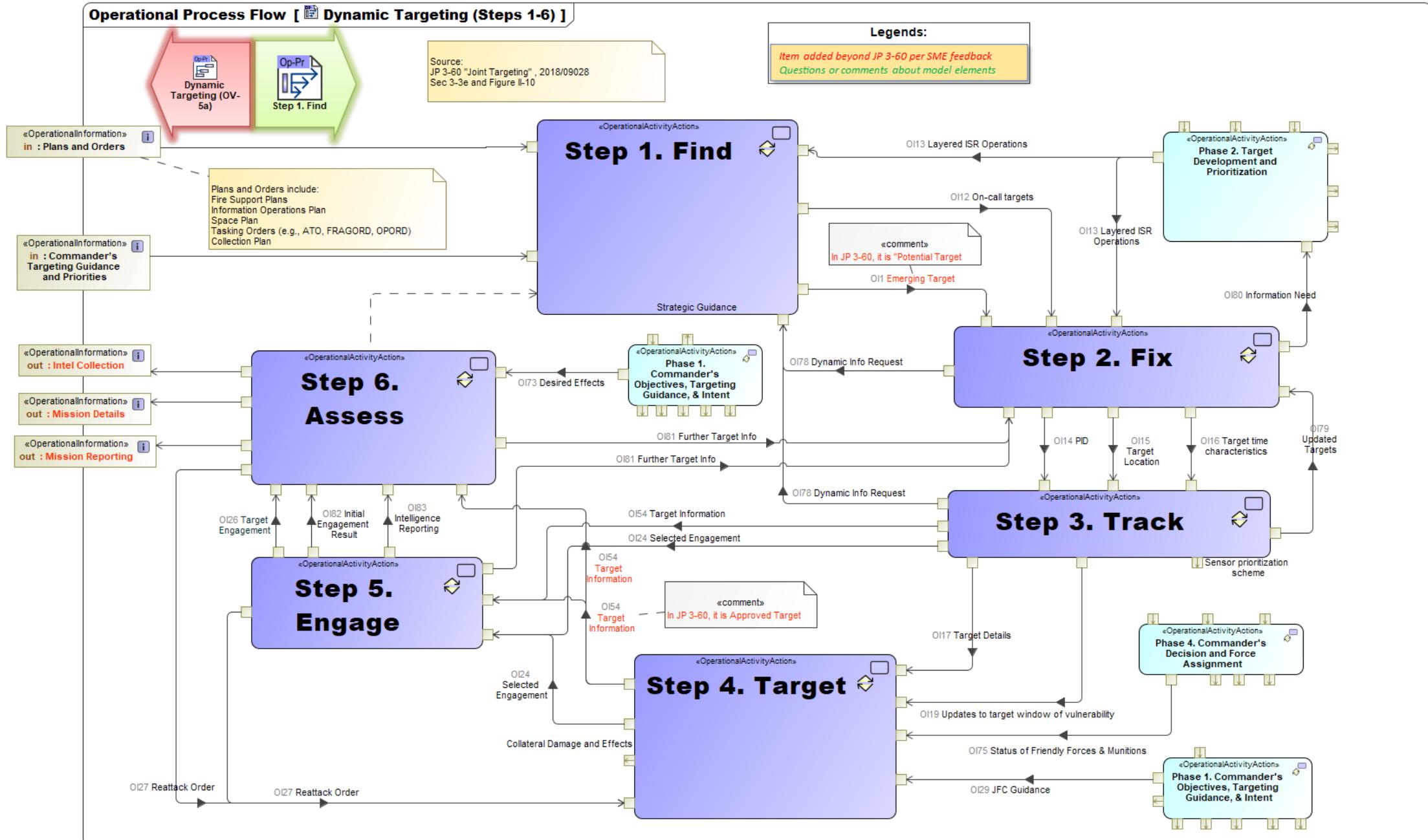
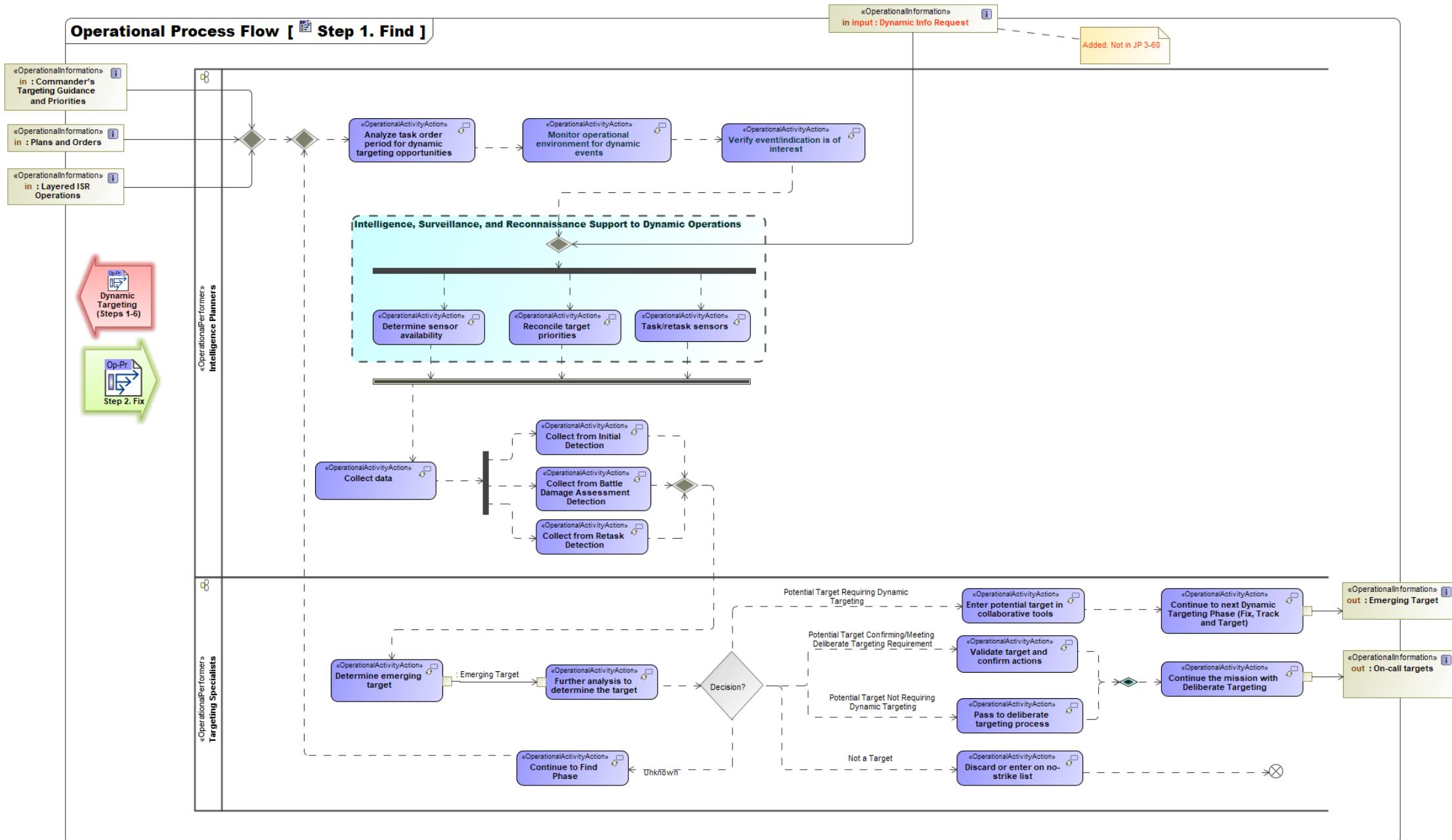


Figure II-10. Dynamic Targeting Steps

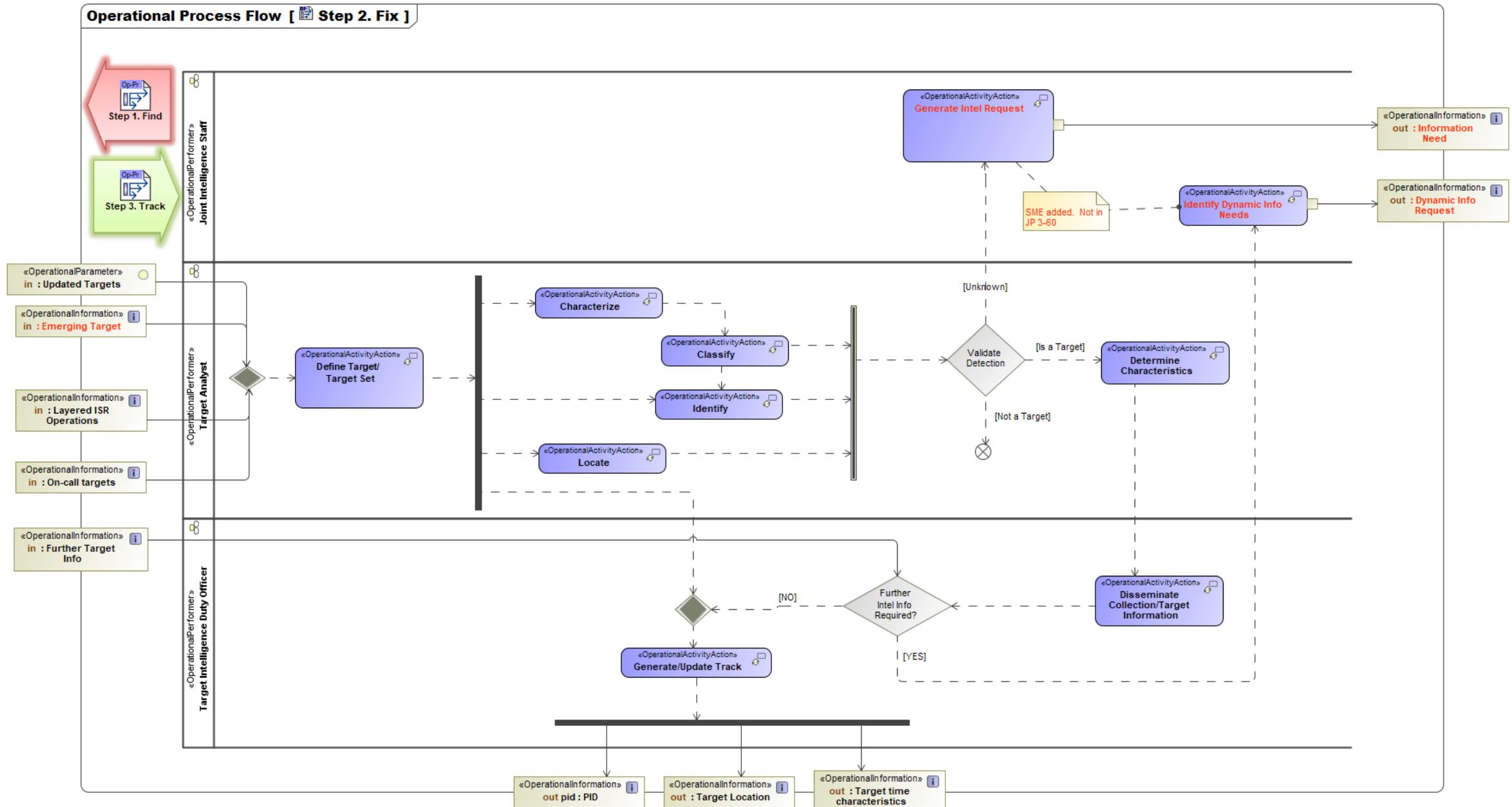
Dynamic Targeting Operational Process (OV-5b)



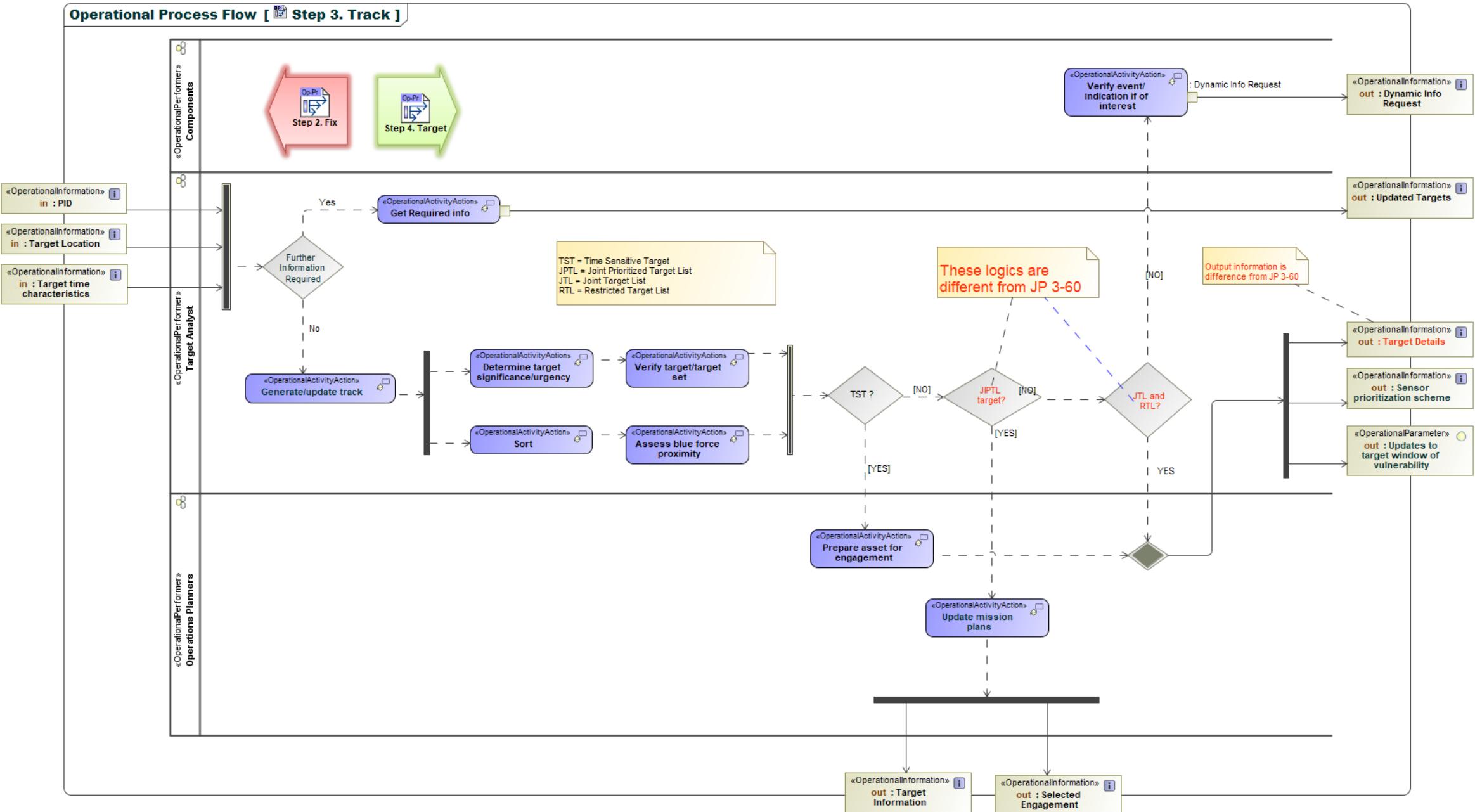
Dynamic Targeting Process – Step 1 Find



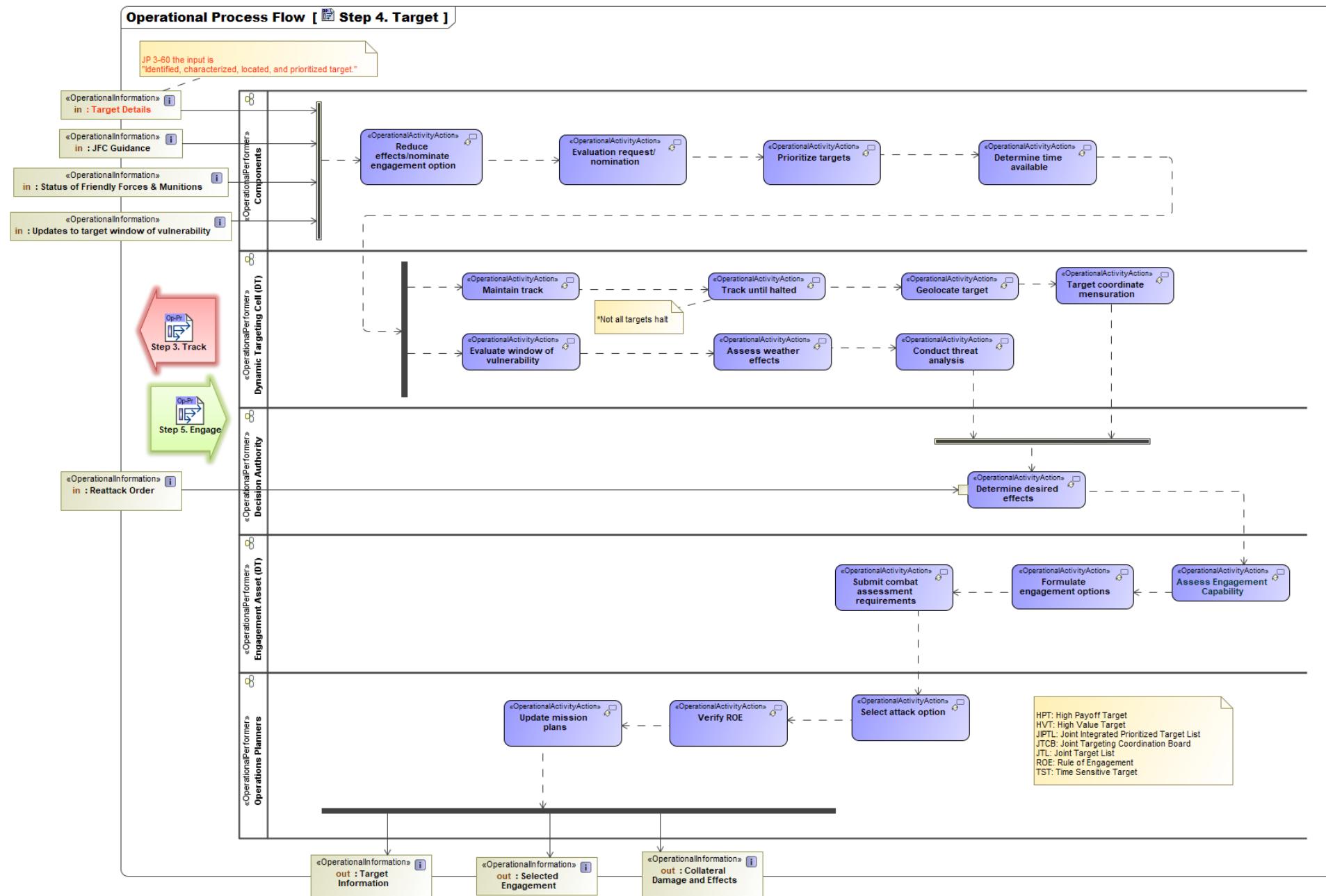
Dynamic Targeting Process – Step 2 Fix



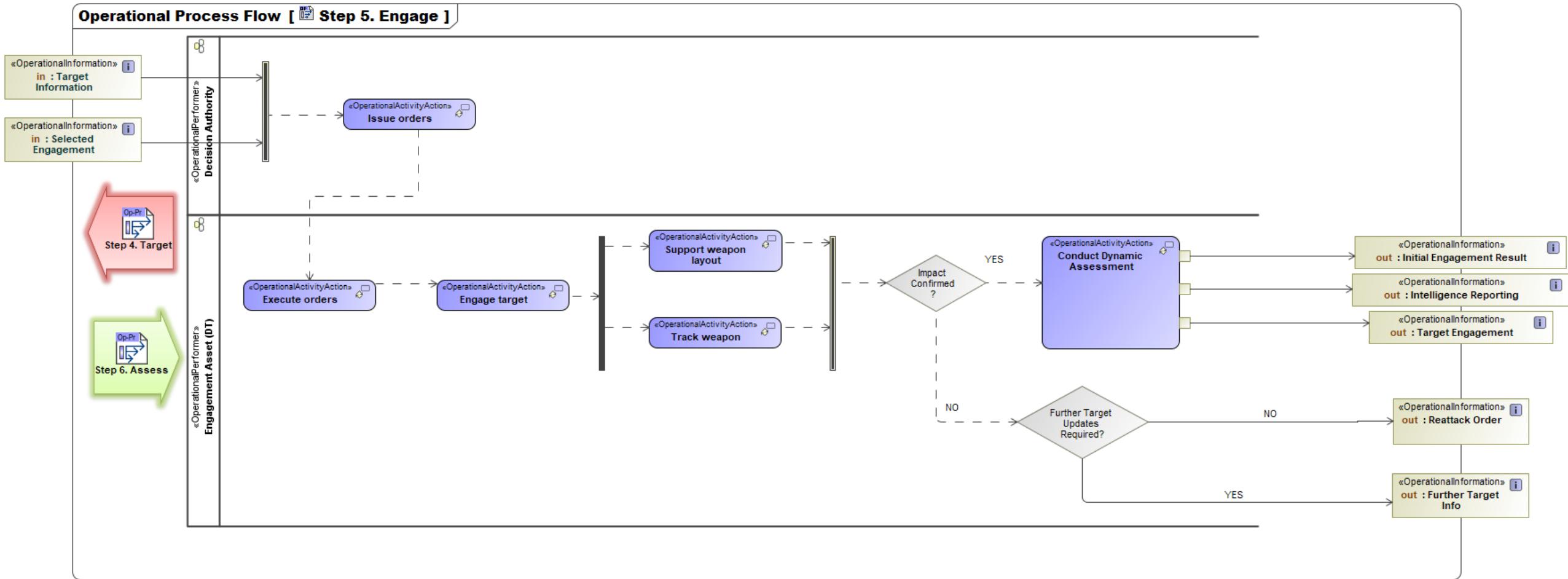
Dynamic Targeting Process – Step 3 Track



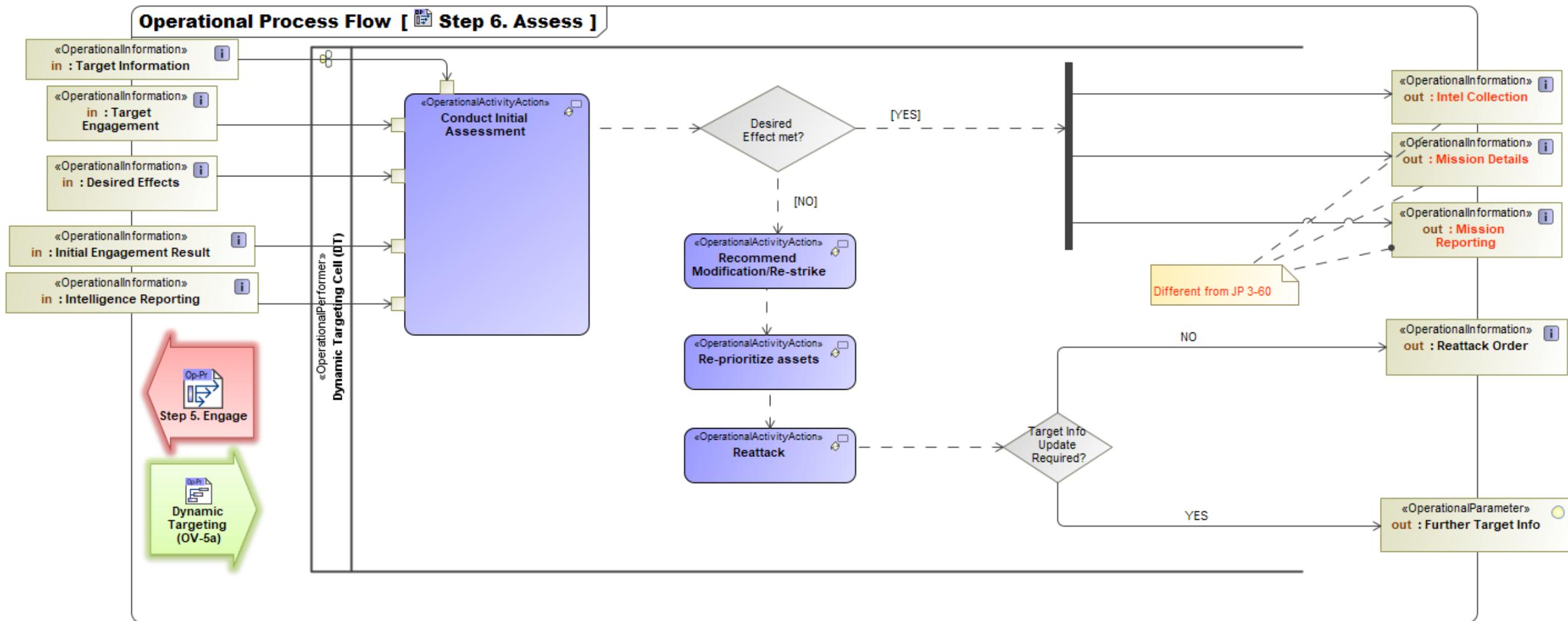
Dynamic Targeting Process – Step 4 Target



Dynamic Targeting Process – Step 5 Engage



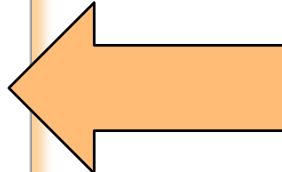
Dynamic Targeting Process – Step 6 Assess



Dynamic Targeting Operational Performers to Activities Mapping

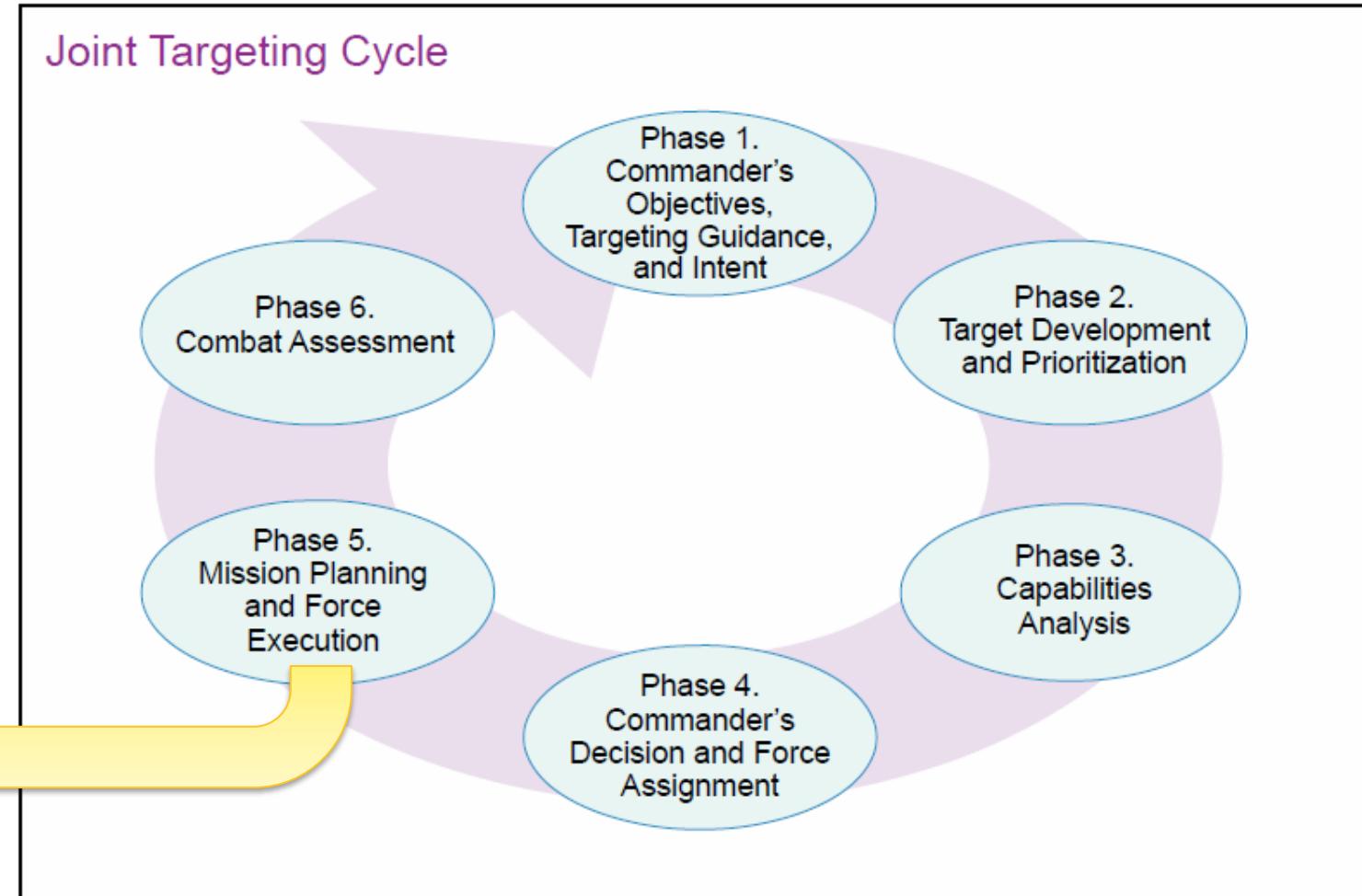
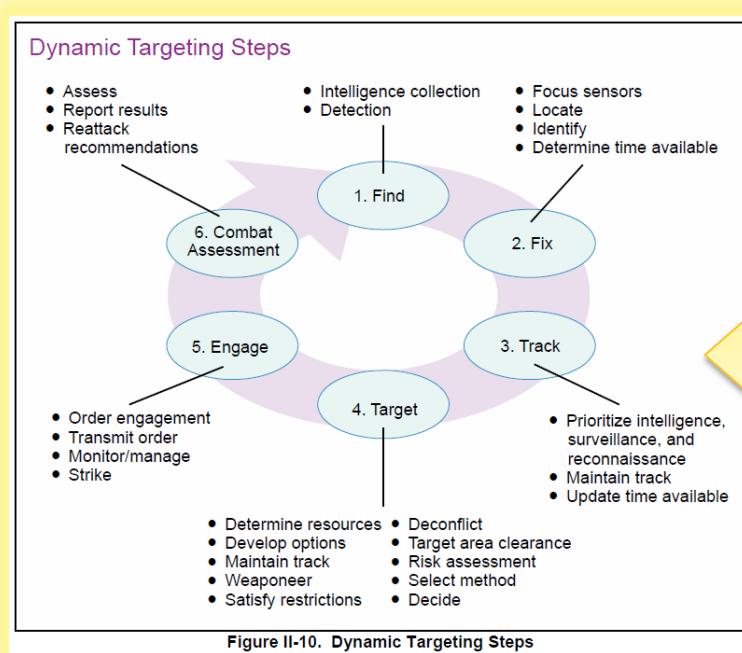
#	△ Name	Performs Operational Activity
1	Components	<ul style="list-style-type: none"> ▷ Verify event/ indication if of interest ▷ Nominate Target through <u>JTCB</u> for Approval to add to <u>JIPTL/JTL</u> ▷ Conduct threat analysis ▷ Track until halted ▷ Reduce effects/nominate engagement option ▷ Maintain track ▷ Geolocate target ▷ Determine time available ▷ Evaluate window of vulnerability ▷ Target coordinate mensuration ▷ Evaluation request/ nomination ▷ Assess weather effects ▷ Prioritize targets
2	Decision Authority	<ul style="list-style-type: none"> ▷ Issue orders ▷ Determine desired effects
3	Dynamic Targeting Cell (DT)	<ul style="list-style-type: none"> ▷ Recommend Modification/Re-strike ▷ Conduct Initial Assessment ▷ Re-prioritize assets ▷ Reattack ▷ Formulate engagement options ▷ Assess Engagement Capability ▷ Submit combat assessment requirements ▷ Determine desired effects ▷ Target coordinate mensuration ▷ Maintain track ▷ Track until halted ▷ Geolocate target ▷ Conduct threat analysis ▷ Evaluate window of vulnerability ▷ Assess weather effects
4	Engagement Asset (DT)	<ul style="list-style-type: none"> ▷ Assess Engagement Capability ▷ Submit combat assessment requirements ▷ Formulate engagement options ▷ Conduct Dynamic Assessment ▷ Support weapon layout ▷ Track weapon ▷ Execute orders ▷ Engage target

#	△ Name	Performs Operational Activity
1	Components	<ul style="list-style-type: none"> ▷ Nominate Target through JTCB for Approval to add to JIPTL/JTL ▷ Conduct threat analysis ▷ Track until halted ▷ Reduce effects/nominate engagement option ▷ Maintain track ▷ Geolocate target ▷ Determine time available ▷ Evaluate window of vulnerability ▷ Target coordinate mensuration ▷ Evaluation request/ nomination ▷ Assess weather effects ▷ Prioritize targets
2	Decision Authority	<ul style="list-style-type: none"> ▷ Issue orders ▷ Determine desired effects
3	Dynamic Targeting Cell (DT)	<ul style="list-style-type: none"> ▷ Recommend Modification/Re-strike ▷ Conduct Initial Assessment ▷ Re-prioritize assets ▷ Reattack ▷ Formulate engagement options ▷ Assess Engagement Capability ▷ Submit combat assessment requirements ▷ Determine desired effects ▷ Target coordinate mensuration ▷ Maintain track ▷ Track until halted ▷ Geolocate target ▷ Conduct threat analysis ▷ Evaluate window of vulnerability ▷ Assess weather effects
4	Engagement Asset (DT)	<ul style="list-style-type: none"> ▷ Assess Engagement Capability ▷ Submit combat assessment requirements ▷ Formulate engagement options ▷ Conduct Dynamic Assessment ▷ Support weapon layout ▷ Track weapon ▷ Execute orders ▷ Engage target
5	Intelligence Planners	<ul style="list-style-type: none"> ▷ Reconcile target priorities ▷ Task/retask sensors ▷ Determine sensor availability ▷ Collect data ▷ Collect from Battle Damage Assessment Detection ▷ Collect from Initial Detection ▷ Collect from Retask Detection ▷ Verify event/indication is of interest ▷ Analyze task order period for dynamic targeting opportunities ▷ Monitor operational environment for dynamic events
6	Joint Intelligence Staff	<ul style="list-style-type: none"> ▷ Conduct Joint Intelligence Preparation of the Operational Environment (JIPE) ▷ Identify Dynamic Info Needs
7	Operations Planners	<ul style="list-style-type: none"> ▷ Update mission plans ▷ Prepare asset for engagement ▷ Verify ROE ▷ Select attack option
8	Target Analyst	<ul style="list-style-type: none"> ▷ Classify ▷ Characterize ▷ Identify ▷ Define Target/ Target Set ▷ Locate ▷ Determine Characteristics ▷ Generate/update track ▷ Get Required info ▷ Sort ▷ Assess blue force proximity ▷ Verify target/target set ▷ Determine target significance/urgency
9	Target Intelligence Duty Officer	<ul style="list-style-type: none"> ▷ Disseminate Collection/Target Information ▷ Generate/Update Track
10	Targeting Specialists	<ul style="list-style-type: none"> ▷ Discard or enter on no-strike list ▷ Determine emerging target ▷ Validate target and confirm actions ▷ Continue the mission with Deliberate Targeting ▷ Further analysis to determine the target ▷ Pass to deliberate targeting process ▷ Enter potential target in collaborative tools ▷ Continue to Find Phase ▷ Continue to next Dynamic Targeting Phase (Fix, Track and Target)



Operational Views

Joint Targeting Cycle



Joint Targeting Cycle

– Phases 1 thru 6 –

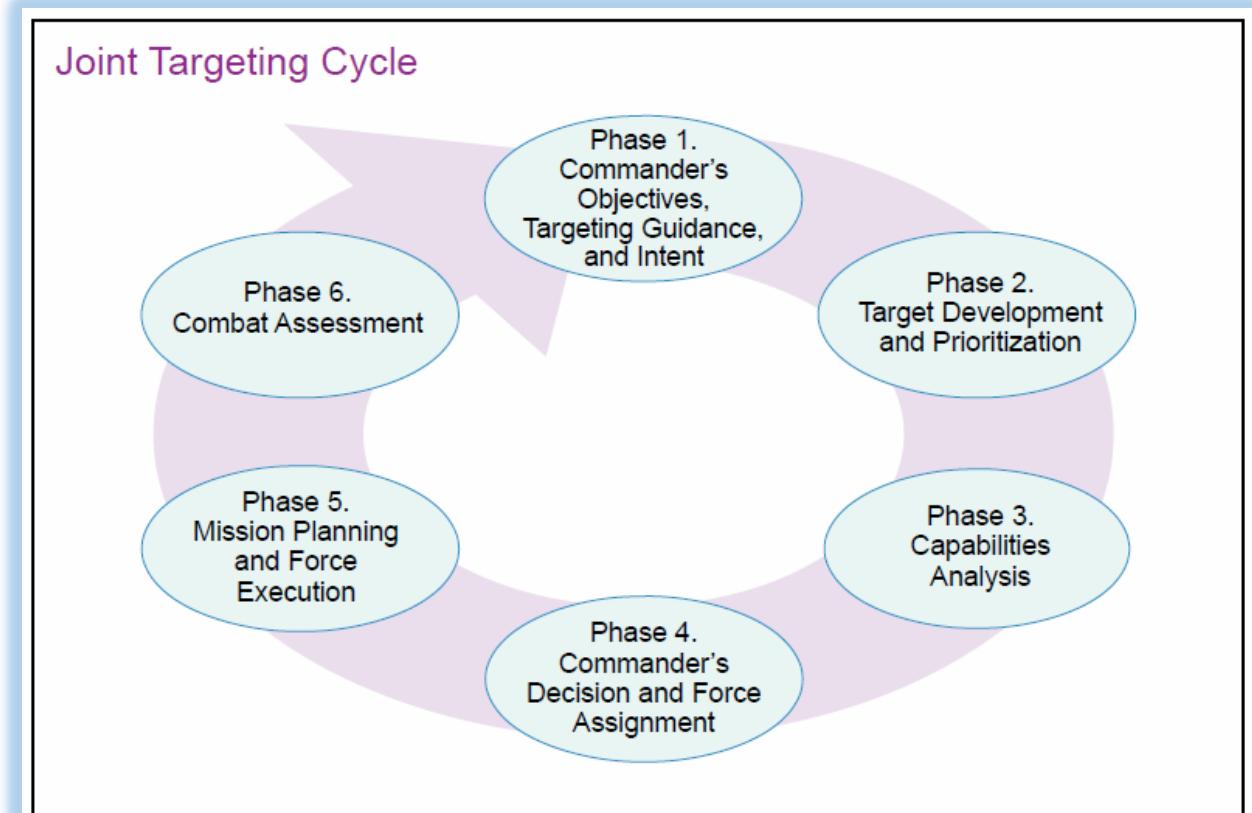
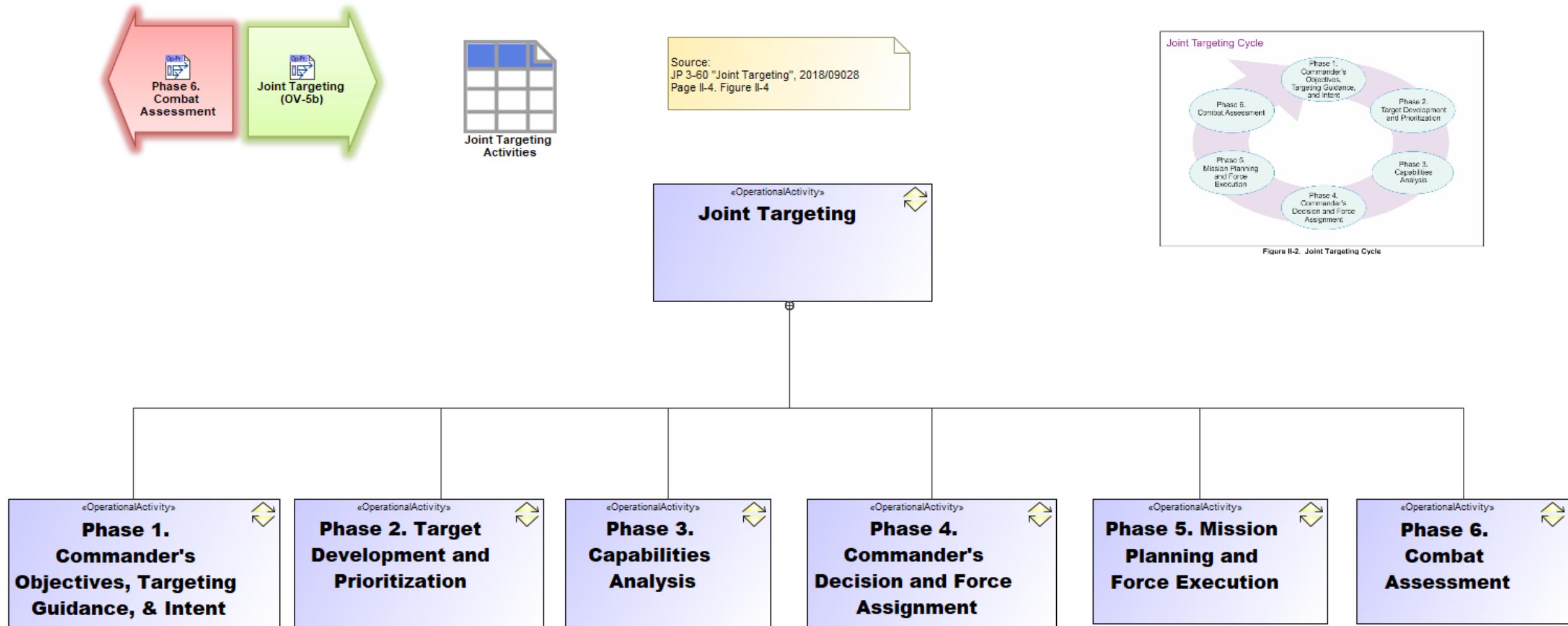


Figure II-2. Joint Targeting Cycle

Joint Targeting Cycle (OV-5a)



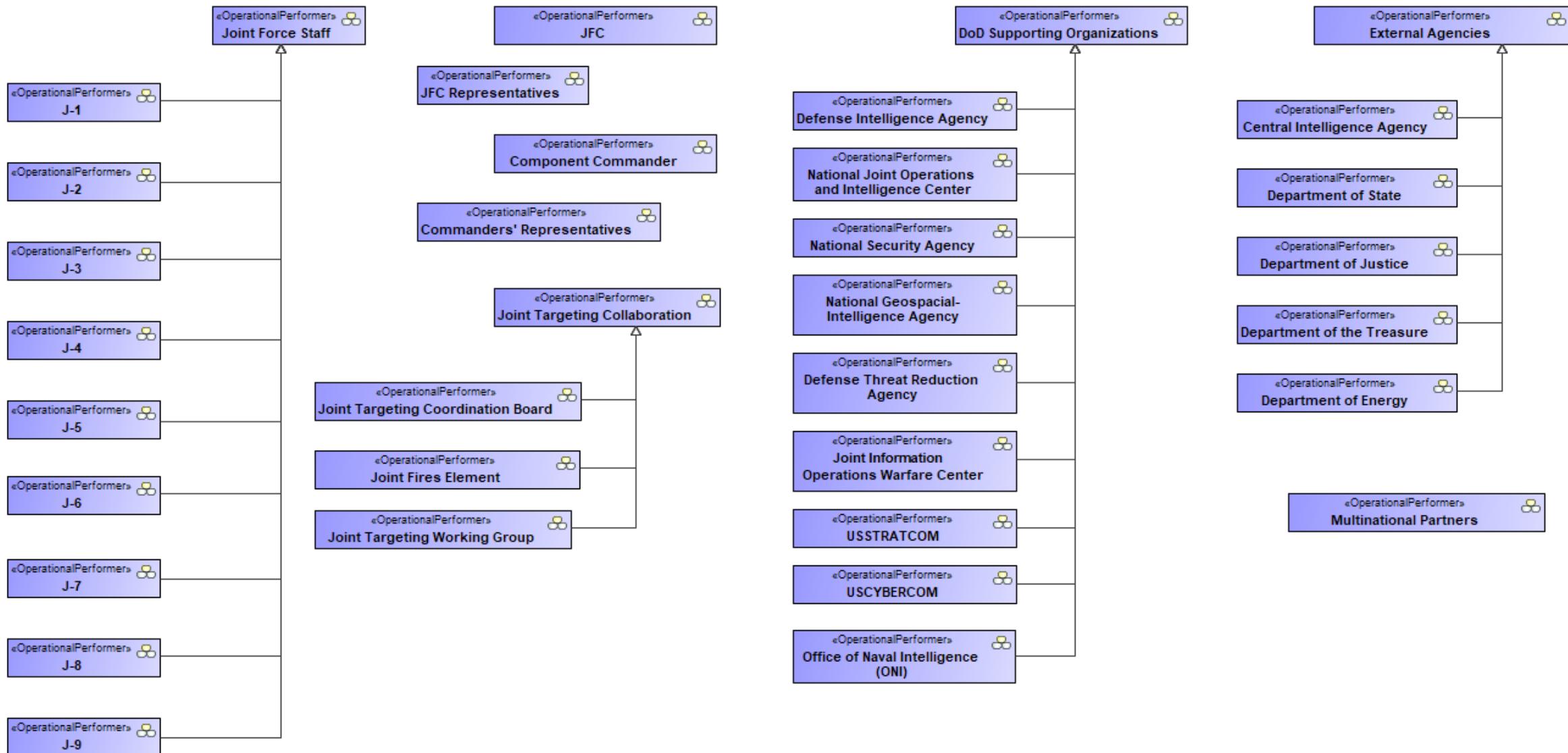
Operational Processes [Joint Targeting Cycle (OV-5a)]



Operational Performers Involved in Joint Targeting



Operational Taxonomy [Operational Performers Taxonomy]

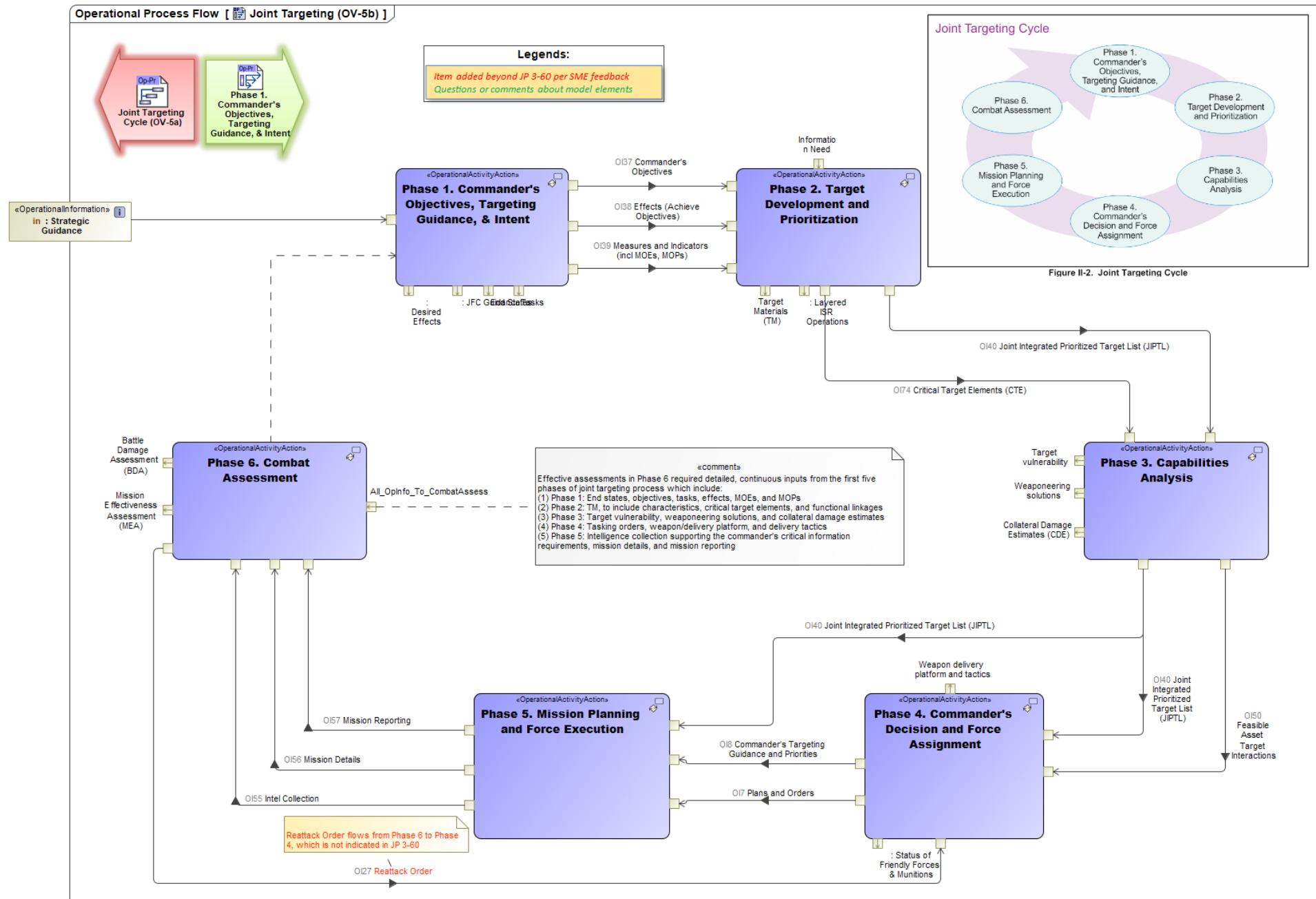


Joint Targeting Operational Performers to Activities Mapping

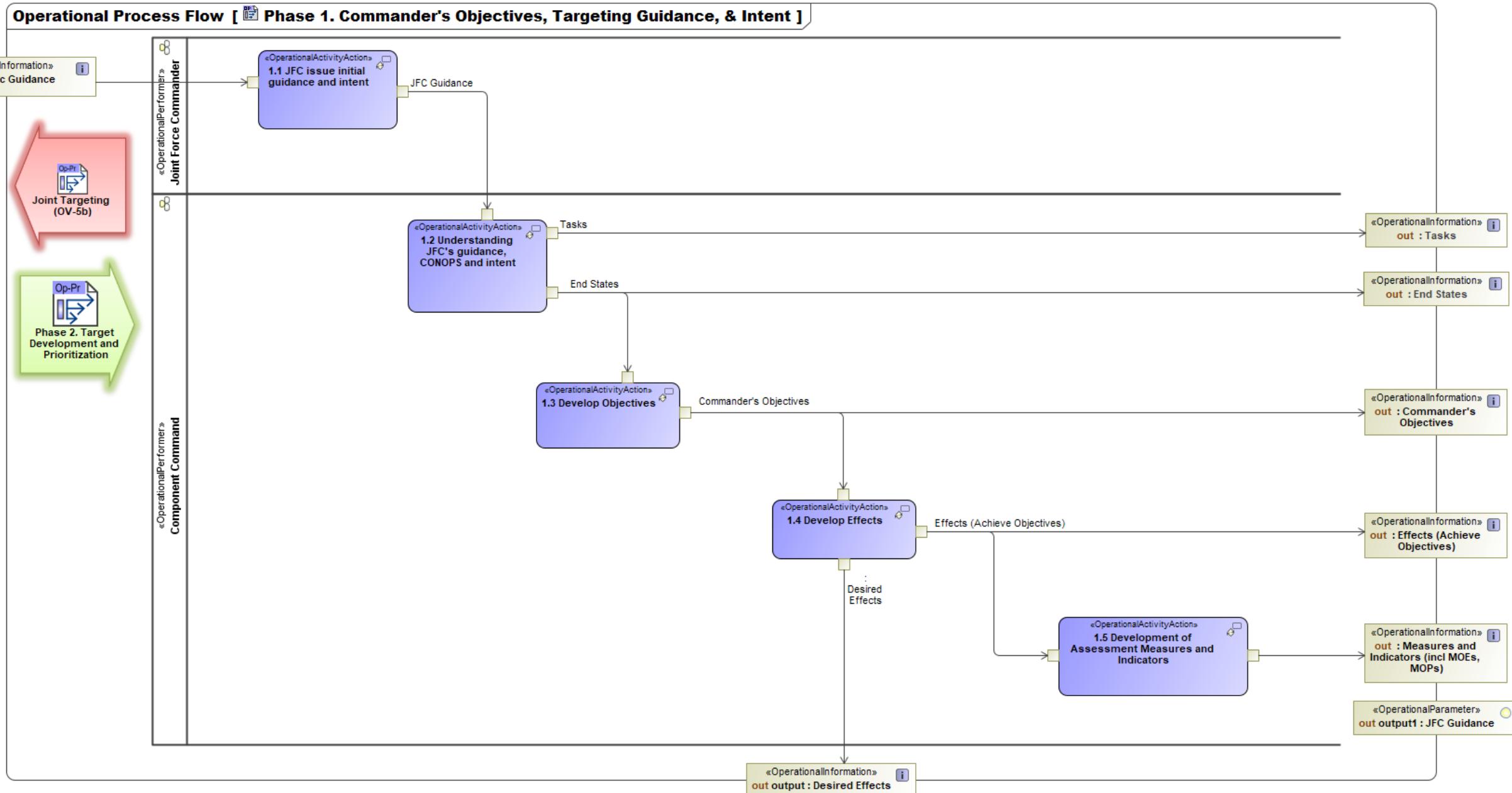


#	Name	Performs Operational Activity
1	Attack Planning Cell	<ul style="list-style-type: none"> 6.1 Battle Damage Assessment 6.2 Munitions Effectiveness Assessment 6.3 Future Targeting and Reattack Recommendations
2	Component Command	<ul style="list-style-type: none"> 1.2 Understanding JFC's guidance, CONOPS and intent 1.3 Develop Objectives 1.4 Develop Effects 1.5 Development of Assessment Measures and Indicators 3.1 Analyze Target Vulnerabilities 4.3 Assign Forces 4.1 Consolidate Targets and Capabilities 4.2 Assemble Data on Friendly Forces 4.5 Issue/Revise Plans and Tasking Orders 4.4 Present Joint Targeting Recommendations to the JFC for Approval 5.1 Plan mission/update mission plans/validate 2.1 Conduct Joint Intelligence Preparation of the Operational Environment
3	Component Commander	<ul style="list-style-type: none"> 5.2 Issue Orders
4	Dynamic Targeting Cell	<ul style="list-style-type: none"> 3.2 Assign Capabilities 3.4 Estimate Effects 3.3 Assess Feasibility
5	Engagement Asset	<ul style="list-style-type: none"> 5.3 Execute Orders
6	Joint Force Commander	<ul style="list-style-type: none"> 1.1 JFC issue initial guidance and intent 4.4 Present Joint Targeting Recommendations to the JFC for Approval
7	Targeting Planners	<ul style="list-style-type: none"> 2.2 Analyze Target Systems 2.3 Develop Targets 2.4 Manage Targets

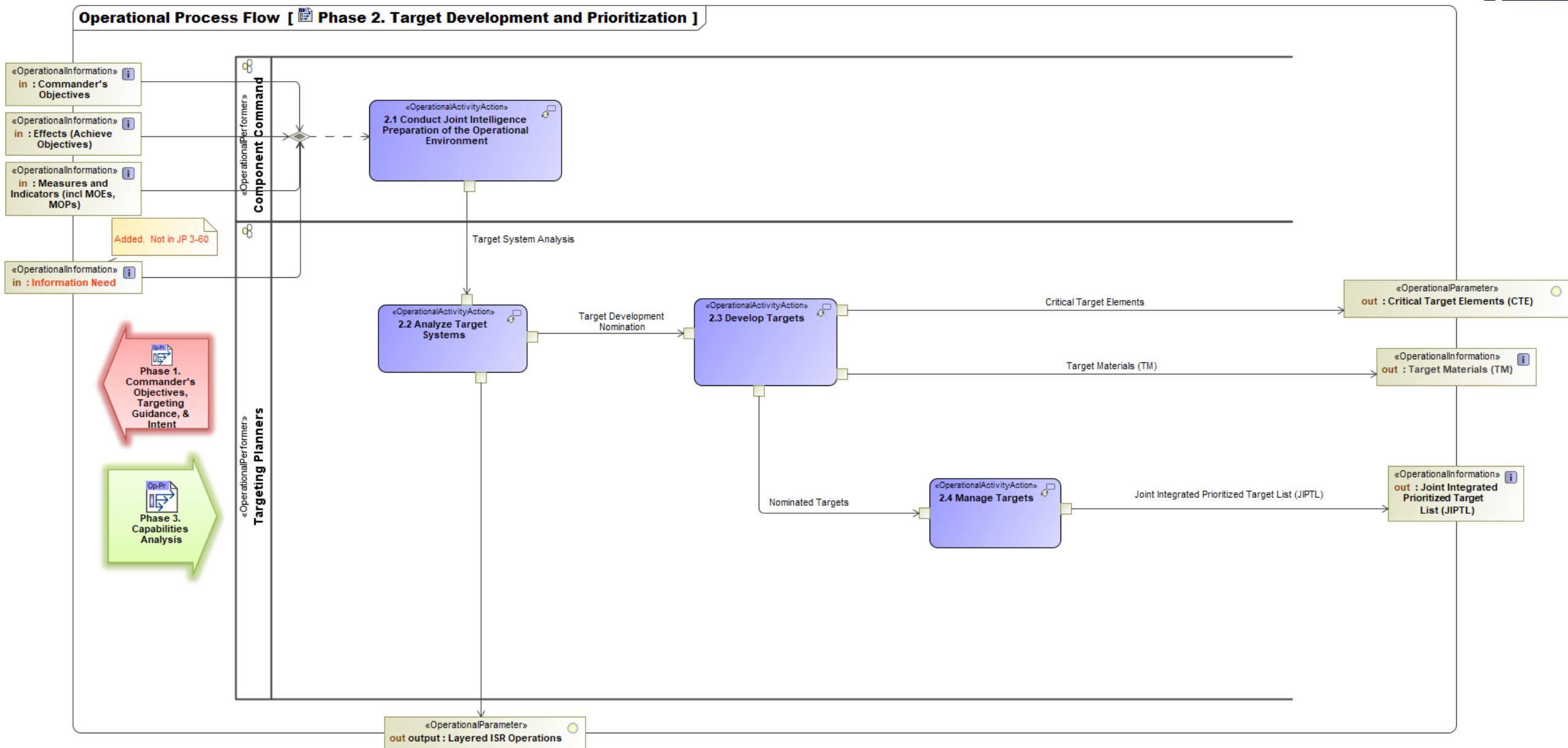
Joint Targeting Process



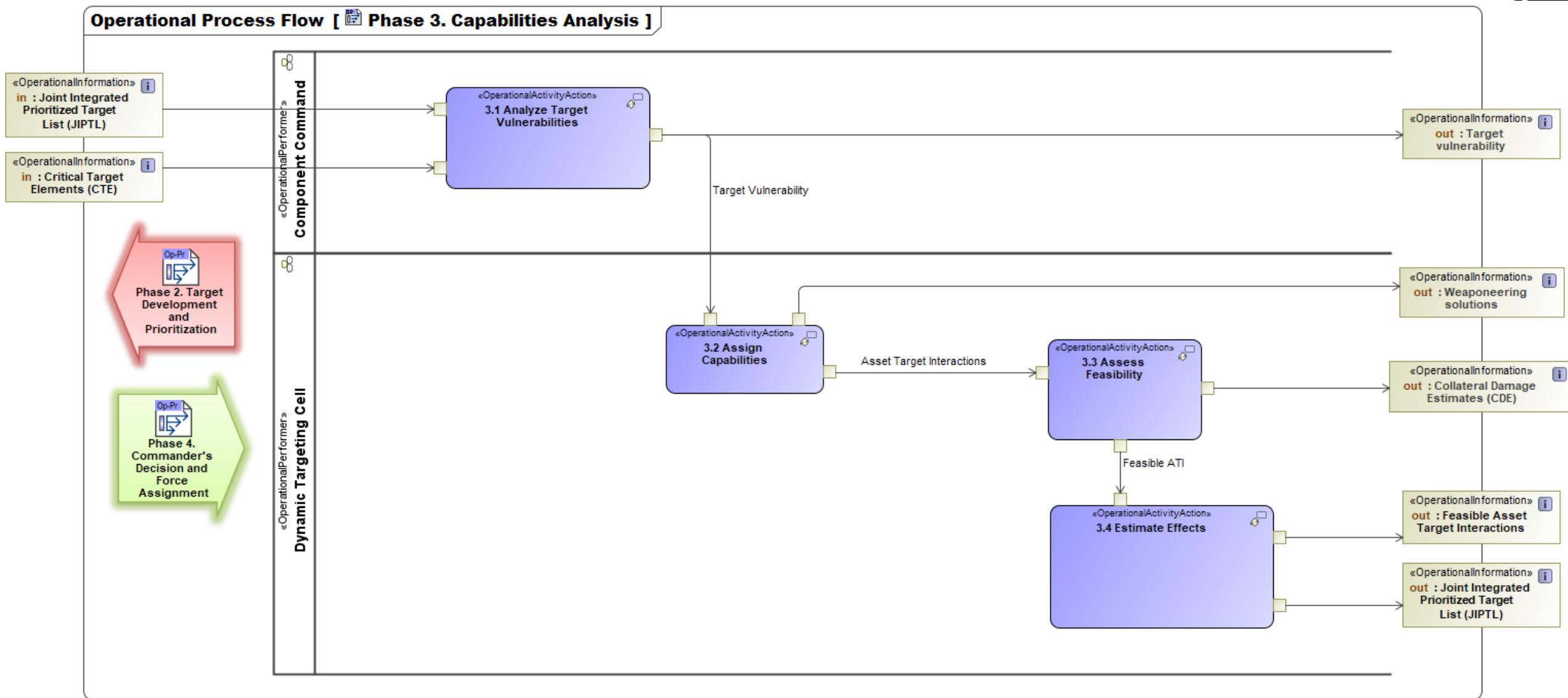
Phase 1 – Commander's Objectives, Targeting Guidance and Intent



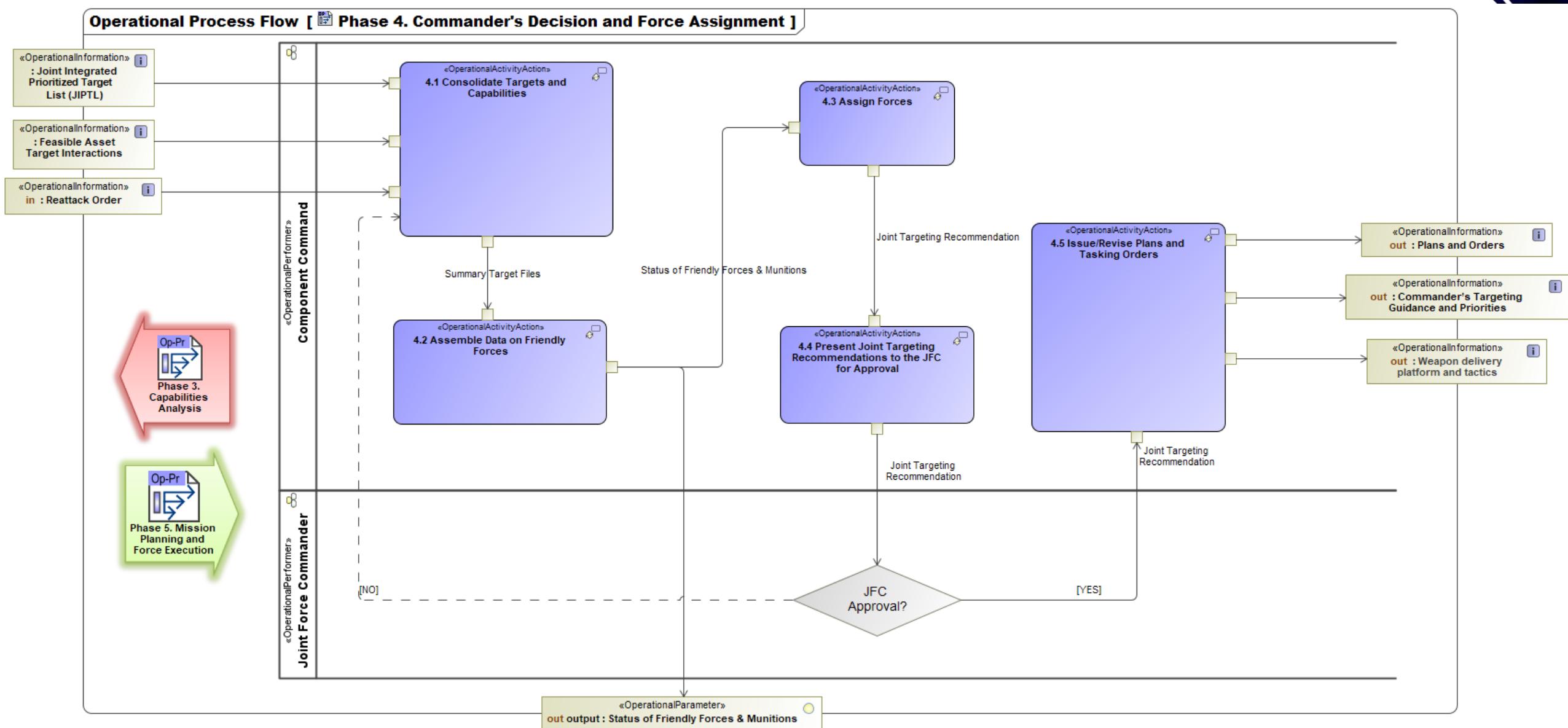
Phase 2 – Target Development and Prioritization



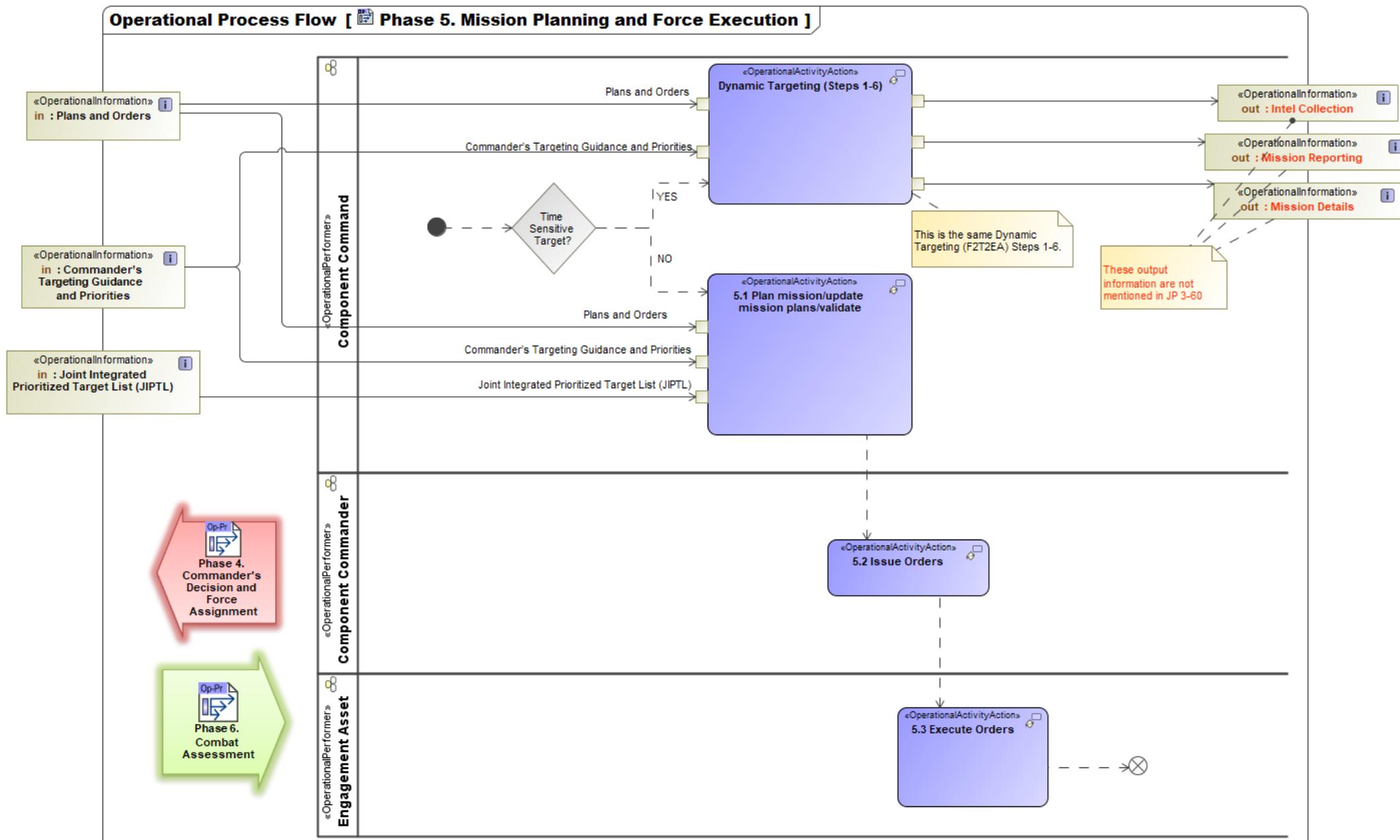
Phase 3 – Capabilities Analysis



Phase 4 – Commander's Decision and Force Assignment



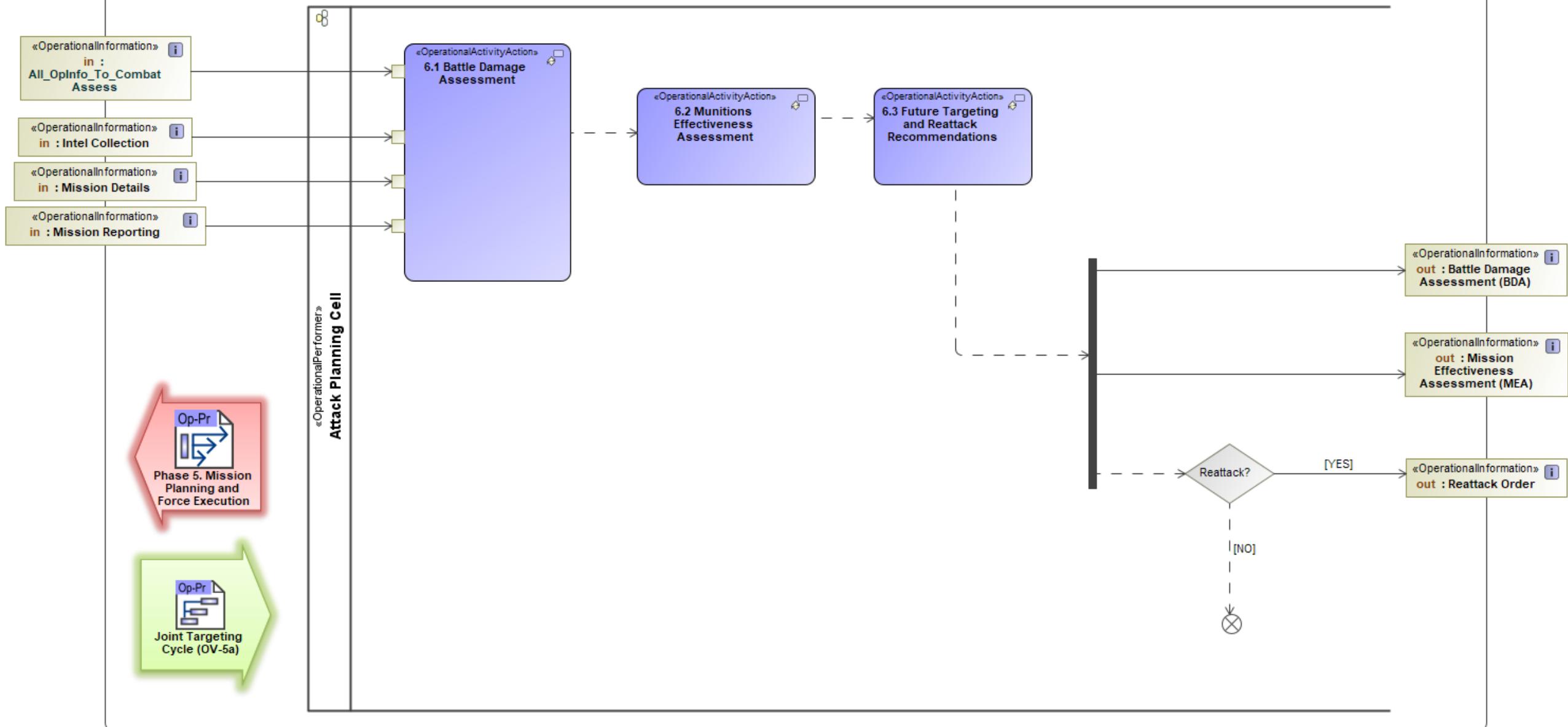
Phase 5 – Mission Planning and Force Execution



Phase 6 – Combat Assessment



Operational Process Flow [Phase 6. Combat Assessment]



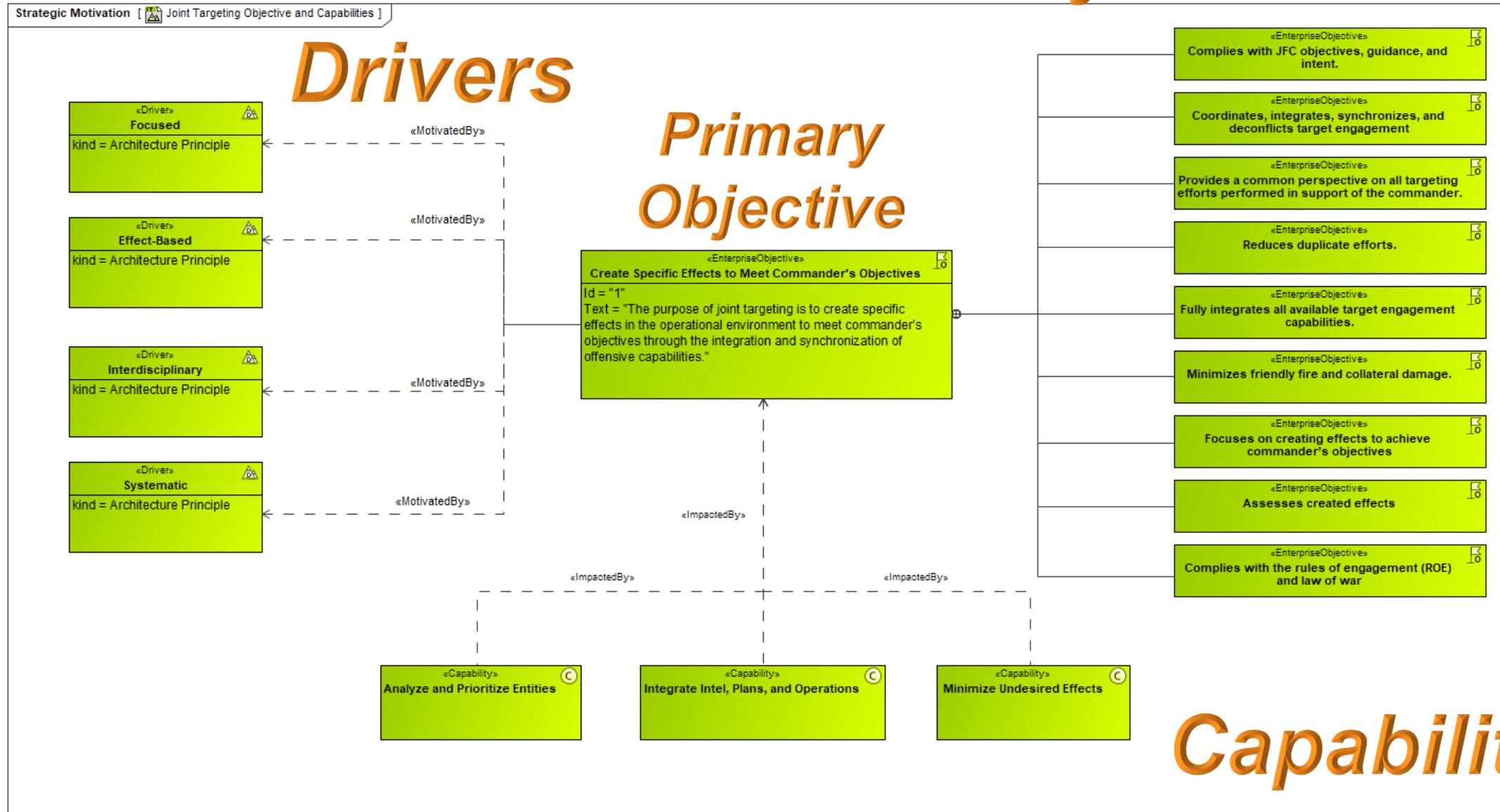


Strategic Views

Objectives and Capabilities



Objectives

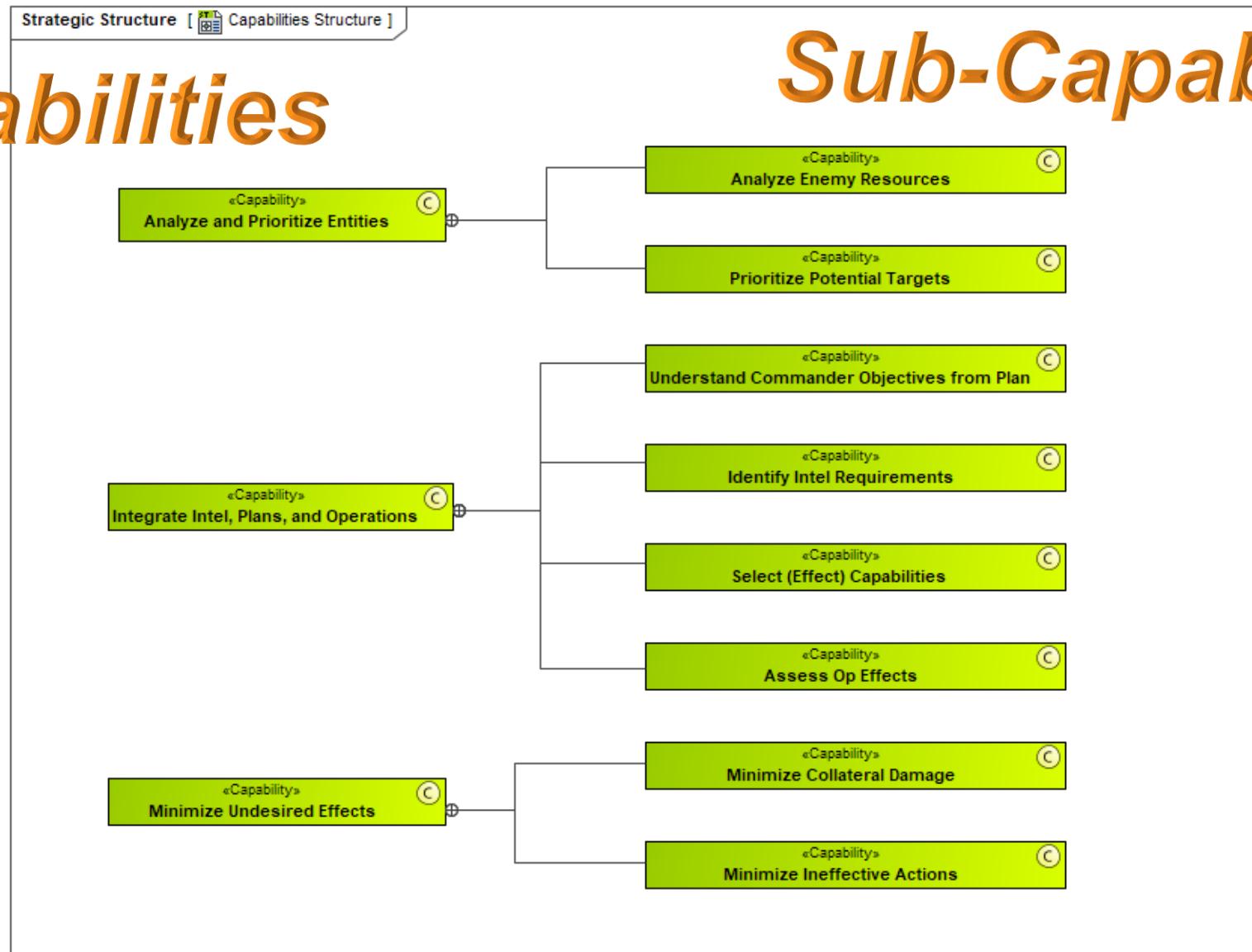


Joint Targeting Capabilities Decomposition



Capabilities

Sub-Capabilities

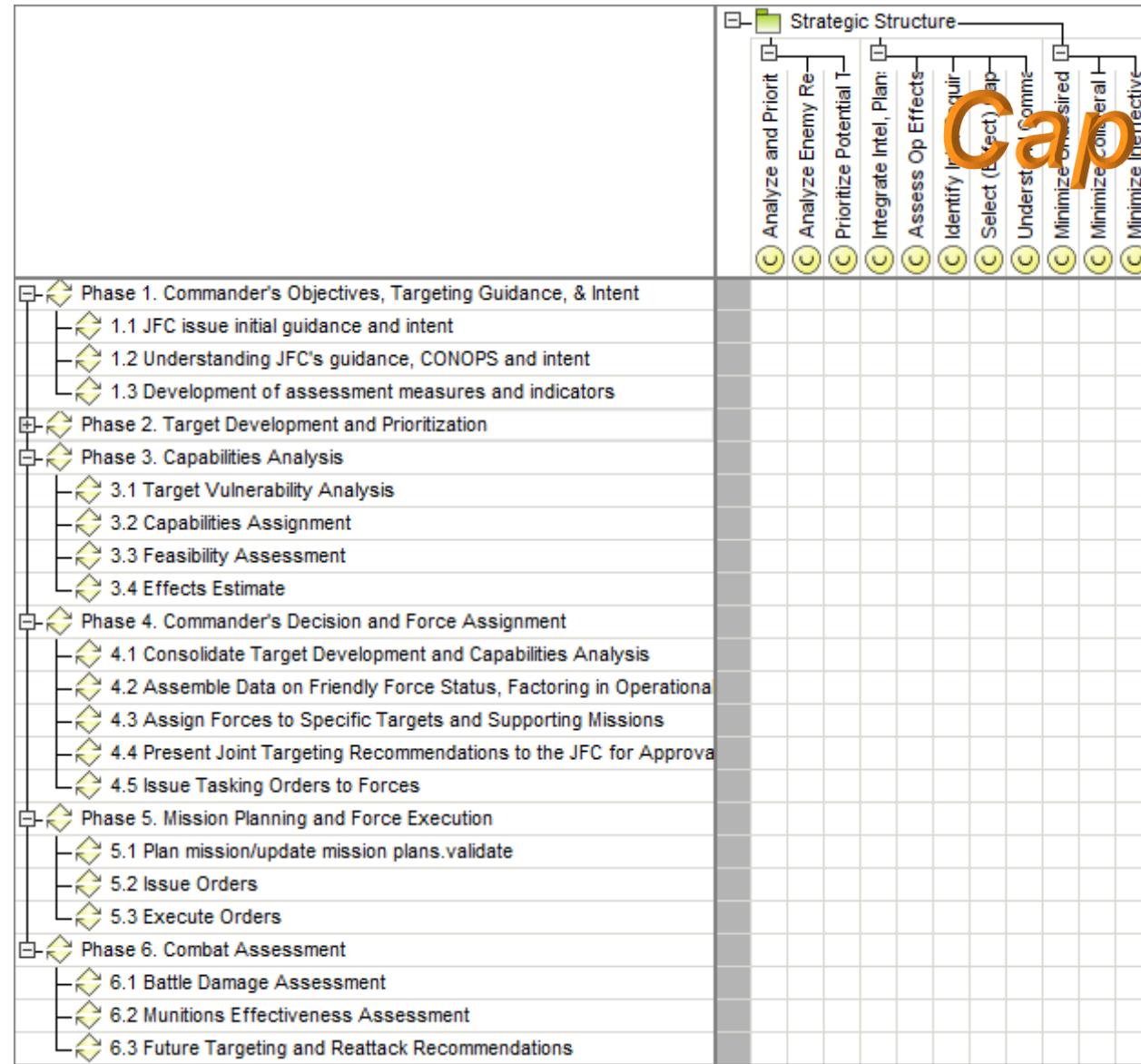


Operational Activities to Capabilities Mapping (TBD)

Operational Activities



Capabilities

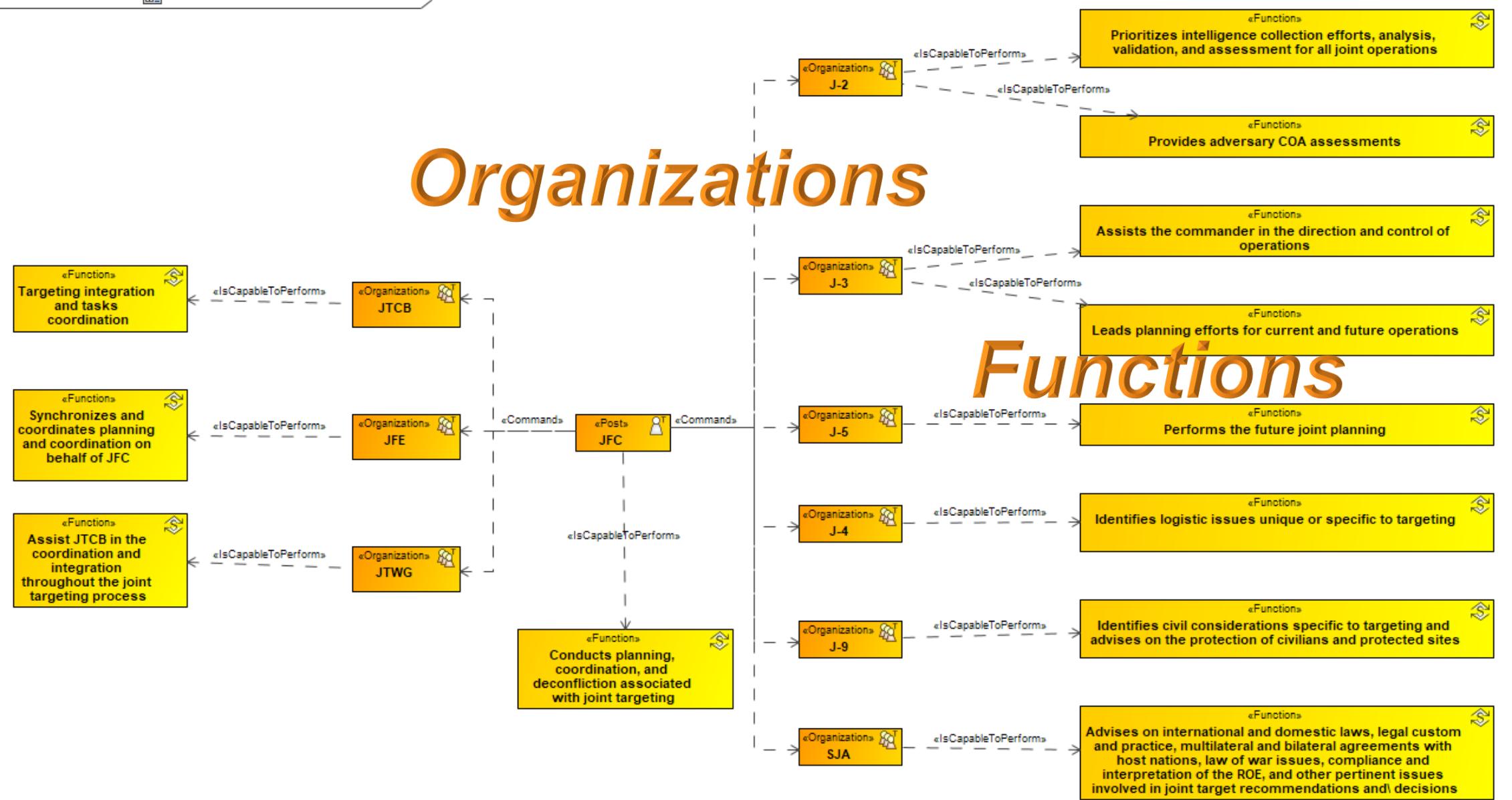




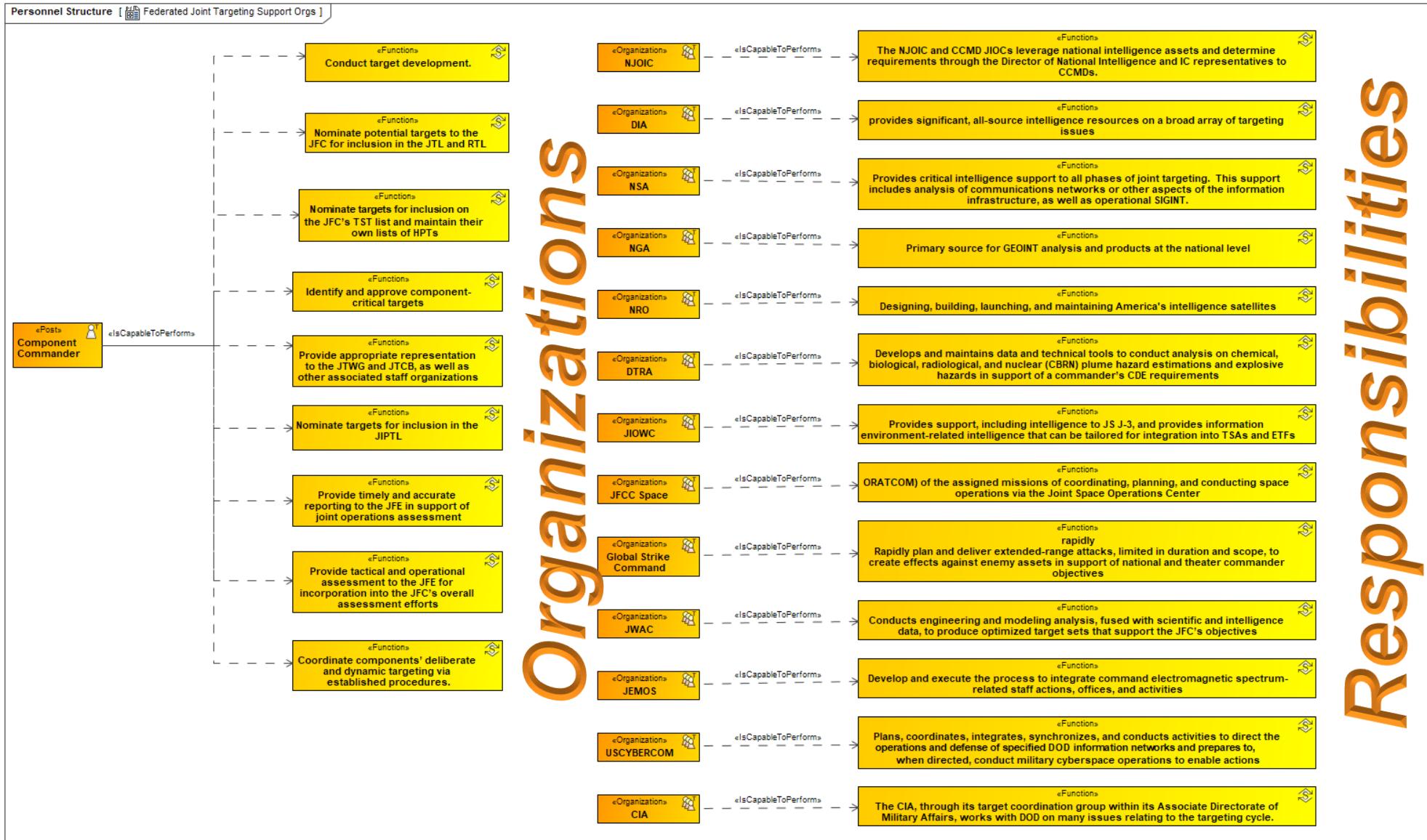
Personnel Views

Joint Force Staff, Organizations and Responsibilities

Personnel Structure [Joint Force Staff, Orgs and Responsibilities]



Joint Targeting Support Organization and Responsibilities



Summary & Conclusions

Modeling the doctrine was found to be useful and enlightening

- **Modeling of Doctrine**

- JP 3-60 well written and easy to follow
- Some inconsistencies found
- Consultation with Targeting experts revealed some missing elements
- Had to “invent” operational performers

- **Utility of the Model**

- Used the Targeting reference model to compare to an actual targeting architecture which revealed several missing elements
- Comparison to actual architecture revealed potential enhancements to the Joint Publication
- Will provide feedback to authors of this JP 3-60 for future improvements
- Need to provide a “user manual” on how to use the reference model
- Useful as a “starter kit” for those who need an architecture that involves Targeting

- **Next Steps**

- Model JP 3-0 on Joint Planning and integrate with Joint Targeting process
- Utilize the Joint Targeting Reference Model on ISR and Targeting architecture modeling efforts

Modeling of doctrine can facilitate the modeling of actual mission threads and architectures



Thank you

Why Not Just Use SysML?

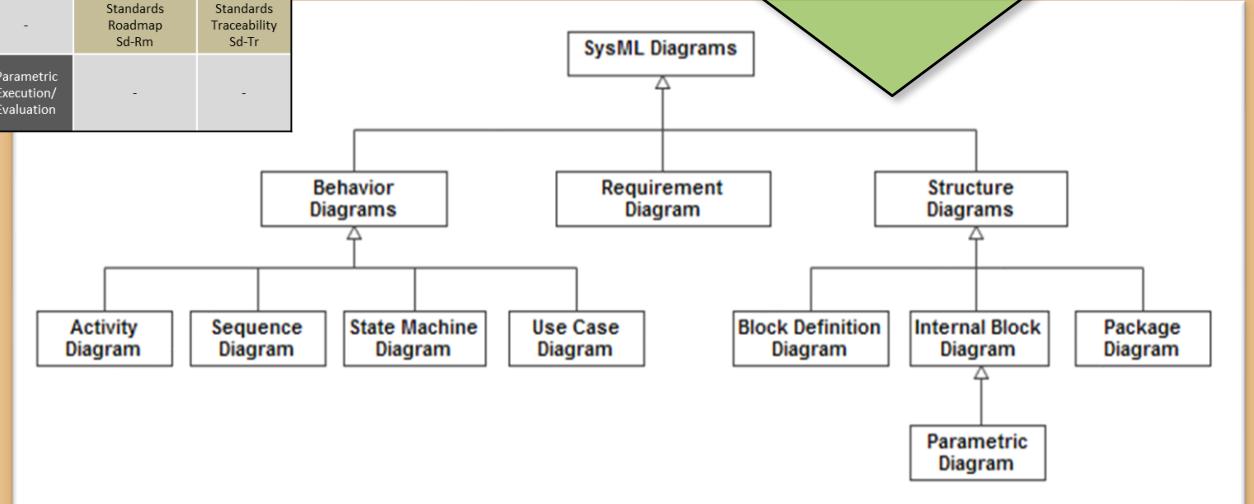
- **SysML is great for:**
 - *Modeling Systems and for doing Systems Engineering*
 - *Defining and tracing between levels of abstraction within a System*
 - *Defining the RFLP for a System – Requirements & Functions, plus Logical & Physical aspects*
- **The UAF Modeling Language (UAFML) provides all this, plus more:**
 - **Capability and Enterprise concepts:** more comprehensive definition of the “why” and “what” before the “how” (such as enterprise drivers, capabilities, effects, goals, outcomes)
 - **Services :** definition of Enterprise services (both producing and consuming) and traceability to capabilities, operations, and implementing resources
 - **Personnel:** How People and Systems interact, and their requisite knowledge & skills
 - **Security:** Identifying risks and mitigations, and integrating security into the Architecture
 - **Standards:** definition of and compliance with standards in the Architecture
 - **Project Deliveries:** phased milestone approach to Capability deployment
 - **System Configurations over time:** deployment timelines and changes
 - **Requirements for the Total Solution:** Allowances for linking Requirements to non-system Solution Elements and to overarching Enterprise, Mission and Business elements
 - **Built-in Traceability between views** – Between layers of abstraction & across the layers
 - **Automatic Generation of DODAF and Other Standard Views** – DODAF-compliant views (which would otherwise require custom extensions in SysML)



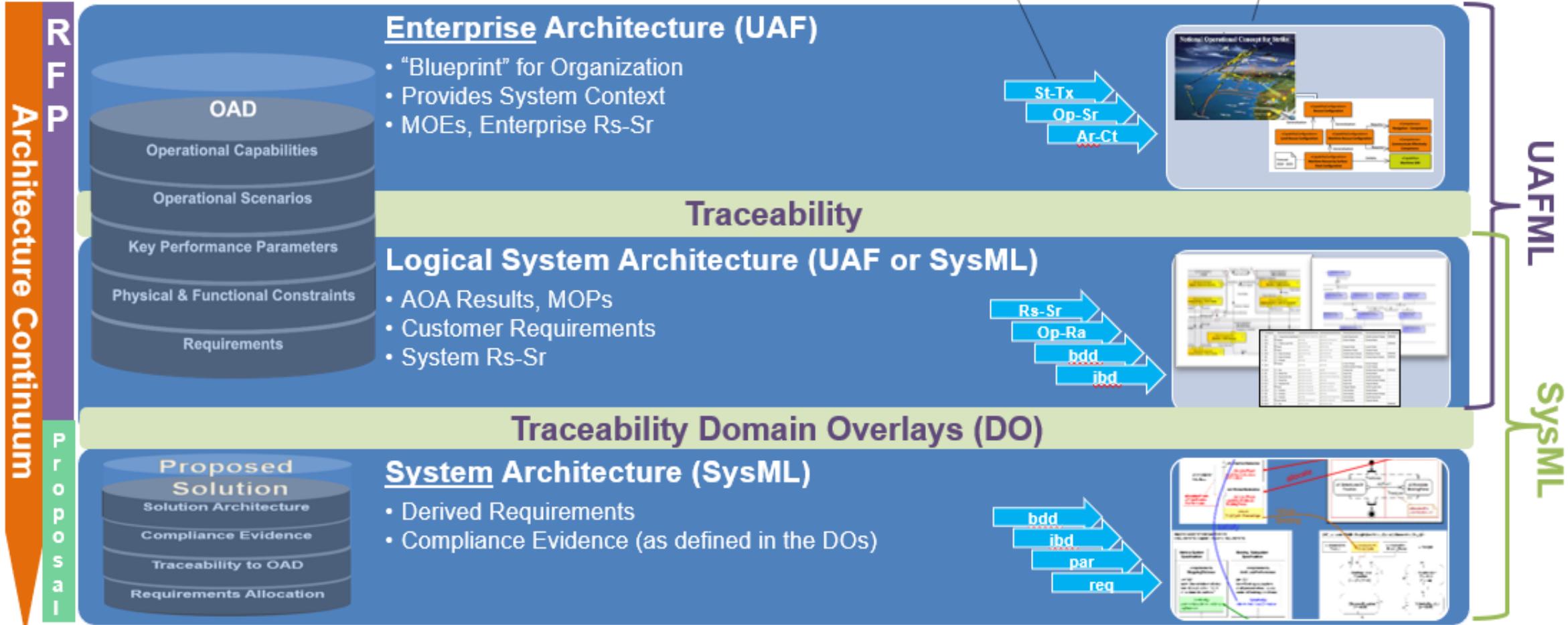
Flowing Down from the Enterprise to Systems



UAF	Motivation Mv	Taxonomy Tx	Structure Sr	Connectivity Cn	Processes Pr	States St	Sequences Sq	Information If	Parameters Pm	Constraints Ct	Roadmap Rm	Traceability Tr			
Architecture Management Am	Architecture Principles Am-Mv	Architecture Extensions Am-Tx	Architecture Views Am-Sr	Architectural References Am-Cn	Architecture Development Method Am-Pr	-	-	Dictionary Am-If	Architecture Parameters Am-Pm	Architecture Constraints Am-Ct	Architecture Roadmap Am-Rm	Architecture Traceability Am-Tr			
Summary & Overview Sm-Ov															
Strategic St	Strategic Motivation St-Mv	Strategic Taxonomy St-Tx	Strategic Structure St-Sr	Strategic Connectivity St-Cn	Strategic Processes St-Pr	Strategic States St-St	-	Strategic Information St-If	Environment En-Pm and Measurements Me-Pm and Risks Rk-Pm	Strategic Constraints St-Ct	Strategic Roadmaps: Deployment, Phasing St-Rm-D, -P	Strategic Traceability St-Tr			
Operational Op	Requirements Rq-Mv	Operational Taxonomy Op-Tx	Operational Structure Op-Sr	Operational Connectivity Op-Cn	Operational Processes Op-Pr	Operational States Op-St	Operational Sequences Op-Sq	Operational Information Model Op-If		Operational Constraints Op-Ct	Operational Traceability Op-Tr				
Services Sv		Services Taxonomy Sv-Tx	Services Structure Sv-Sr	Services Connectivity Sv-Cn	Services Processes Sv-Pr	Services States Sv-St	Services Sequences Sv-Sq	Services Information Model Sv-If		Services Constraints Sv-Ct	Services Roadmap Sv-Rm	Services Traceability Sv-Tr			
Personnel Ps		Personnel Taxonomy Ps-Tx	Personnel Structure Ps-Sr	Personnel Connectivity Ps-Cn	Personnel Processes Ps-Pr	Personnel States Ps-St	Personnel Sequences Ps-Sq	Competence, Drivers, Performance Ps-Ct-C, -D, -P		Availability, Evolution, Forecast Ps-Rm-A, E, F	Personnel Traceability Ps-Tr				
Resources Rs		Resources Taxonomy Rs-Tx	Resources Structure Rs-Sr	Resources Connectivity Rs-Cn	Resources Processes Rs-Pr	Resources States Rs-St	Resources Sequences Rs-Sq			Resources Constraints Rs-Ct	Resources Roadmaps: Evolution, Forecast Rs-Rm-E, -F	Resources Traceability Rs-Tr			
Security Sc	Security Controls Sc-Mv	Security Taxonomy Sc-Tx	Security Structure Sc-Sr	Security Connectivity Sc-Cn	Security Processes Sc-Pr	-	-			Security Constraints Sc-Ct	Projects Roadmap Pj-Rm	Security Traceability Sc-Tr			
Projects Pj	-	Projects Taxonomy Pj-Tx	Projects Structure Pj-Sr	Projects Connectivity Pj-Cn	Projects Processes Pj-Pr	-	-			Projects Traceability Pj-Tr					
Standards Sd	-	Standards Taxonomy Sd-Tx	Standards Structure Sd-Sr	-	-	-	-			Standards Roadmap Sd-Rm	Standards Traceability Sd-Tr				
Actual Resources Ar	Actual Resources Structure, Ar-Sr	Actual Resources Connectivity, Ar-Cn	Parametric Execution/Evaluation												



The Architecture Continuum



Modeling Languages

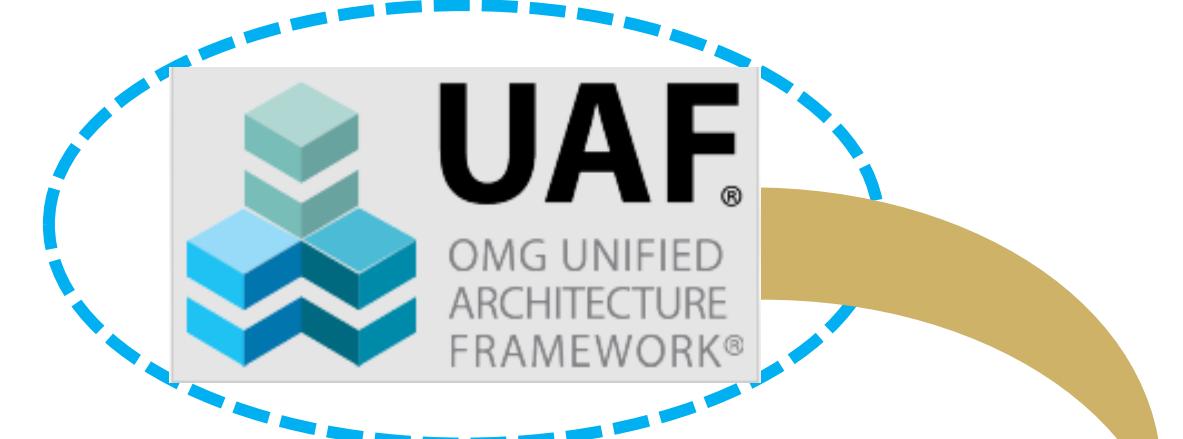
OMG-Developed Modeling Standards



For modeling complex **Software Architectures** and applications



For modeling complex **Business Processes**

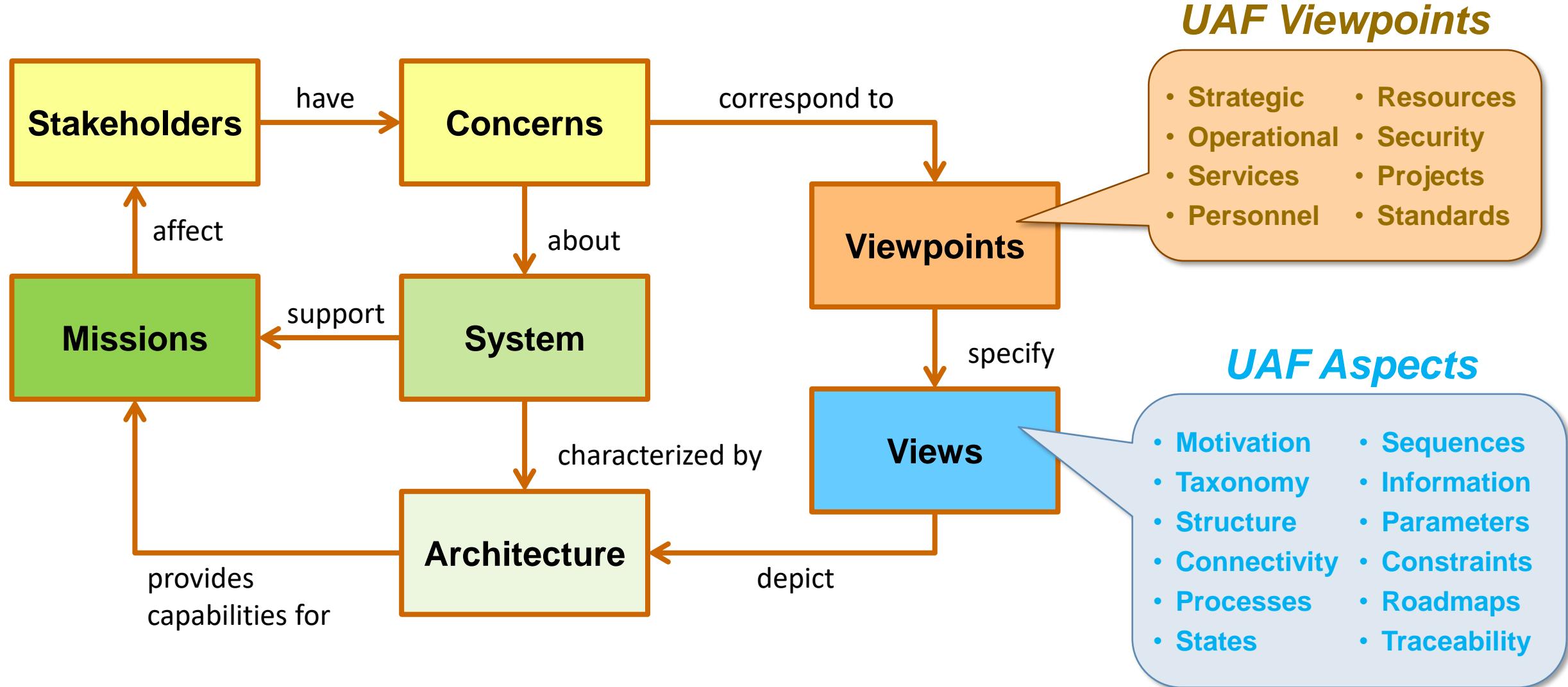


For modeling complex **Enterprise Architectures** that includes strategy, capabilities, operations, programs/projects, services, resources, security, personnel, organizations and standards



For modeling complex **System Architectures** that may include hardware, software, personnel, processes and facilities

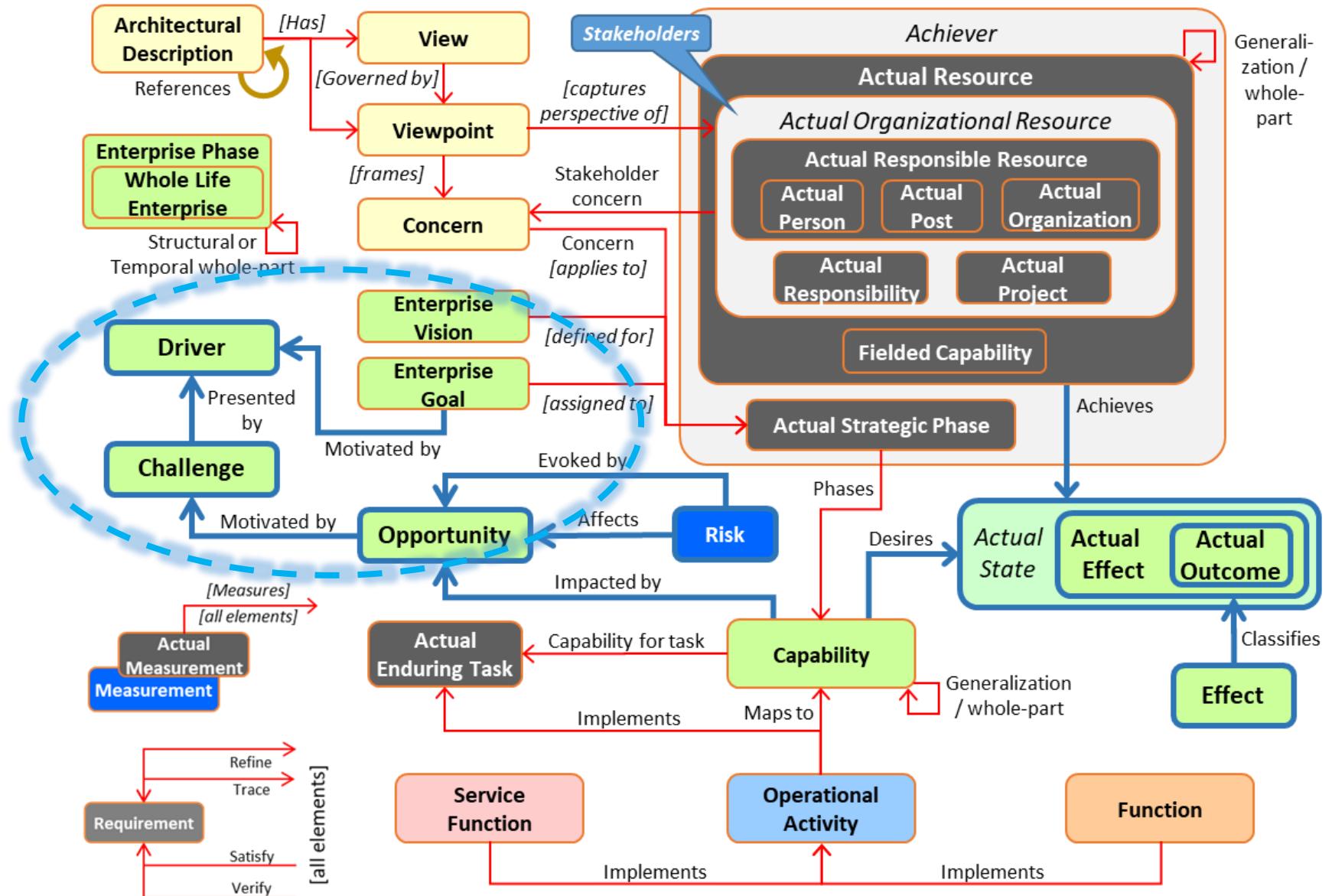
The UAF Standard Provides Stakeholder-Based Viewpoints & Aspect-Oriented Views to Characterize an Architecture



Step 1 – Architecture Drivers and Challenges

Mapping Drivers to Enterprise Goals, Opportunities and Capabilities

1

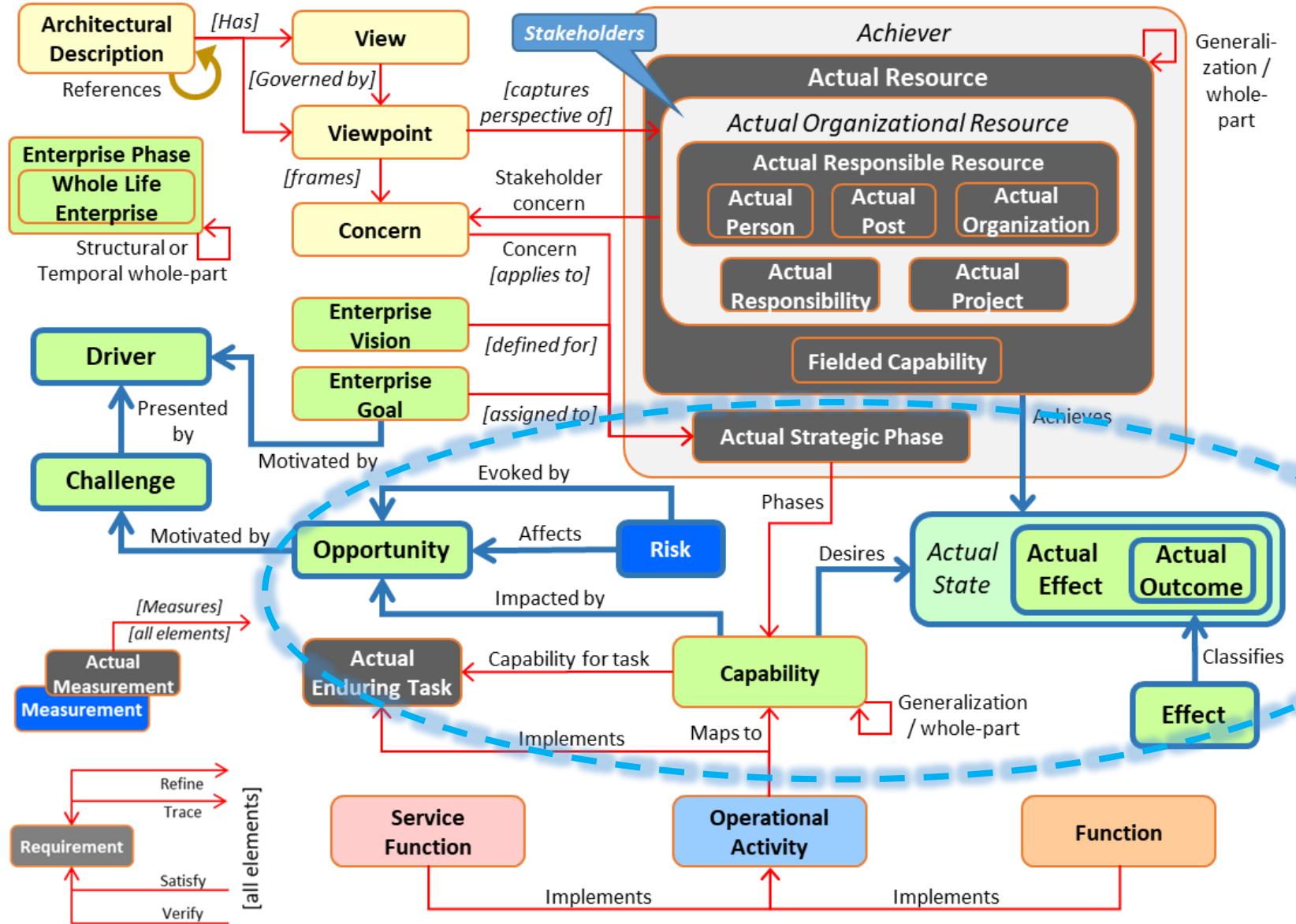


Step 2 – Enterprise Strategy and Capabilities

Capabilities and associated Effects, mapping these to DEE services and use cases (ops activities)



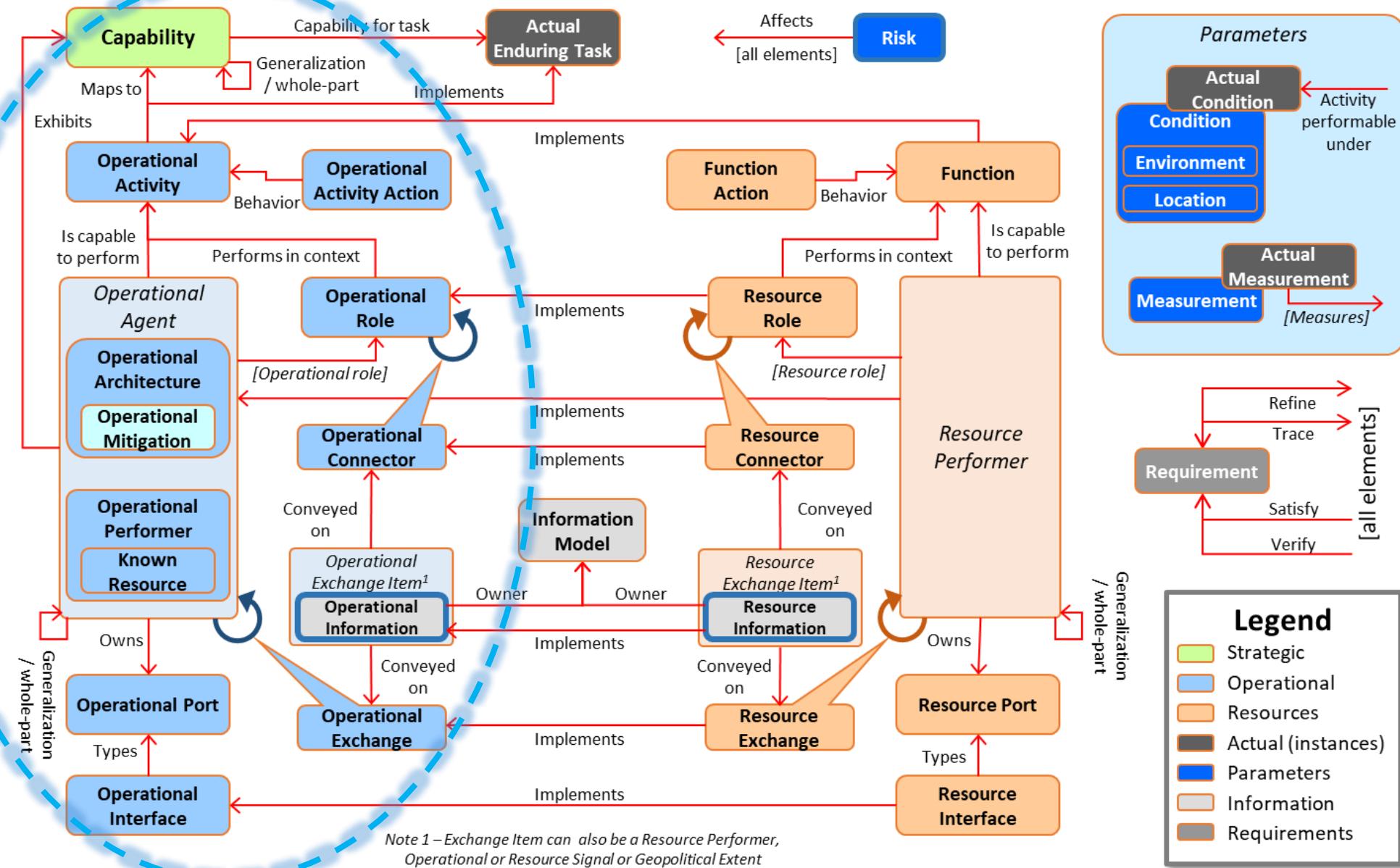
2



Step 3 – Operational Architectures (Logical)



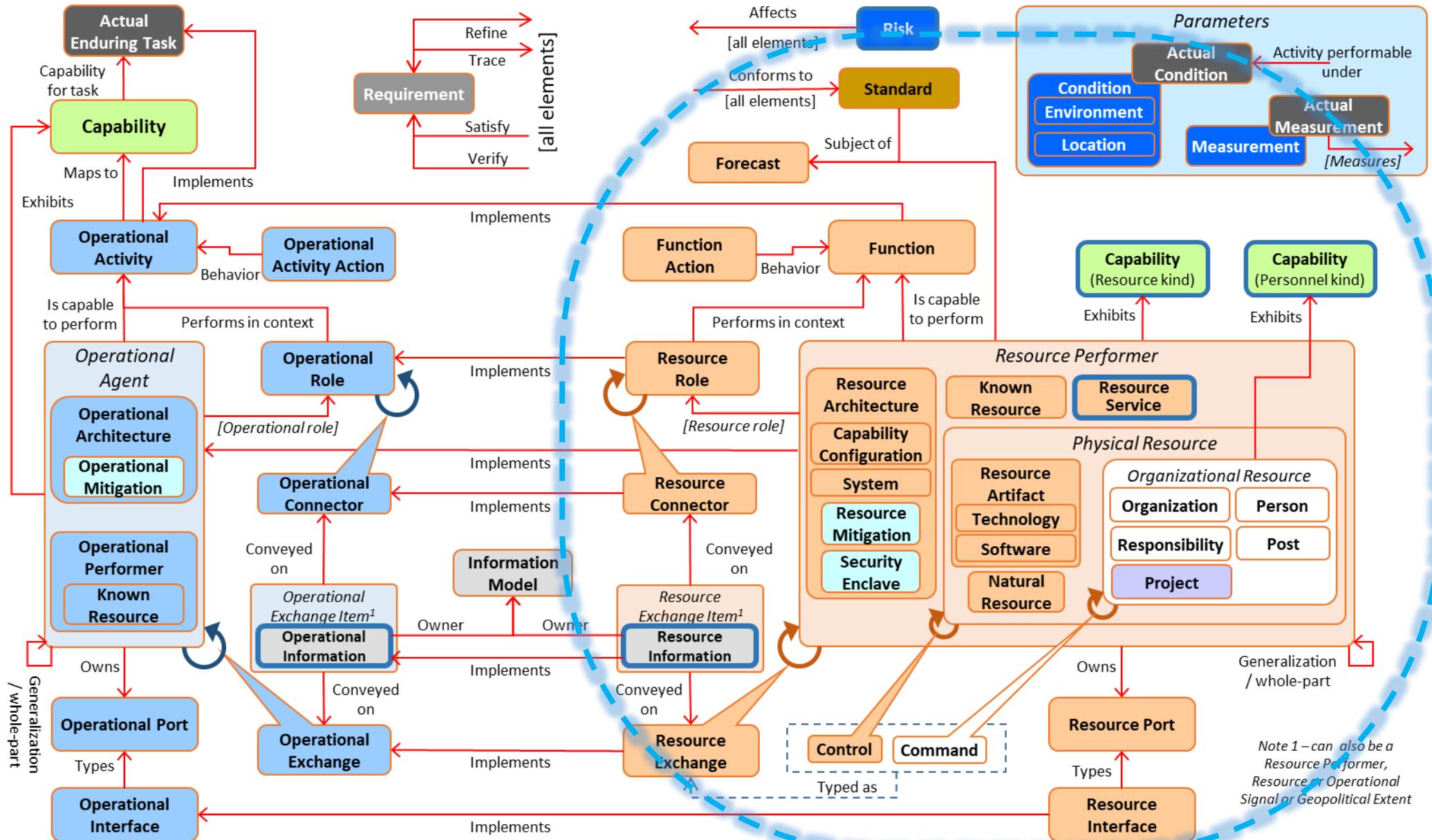
Characterizing how people will use the DEE services and capabilities, and workflow actions



Step 5 – Resource Architectures (Implementation)

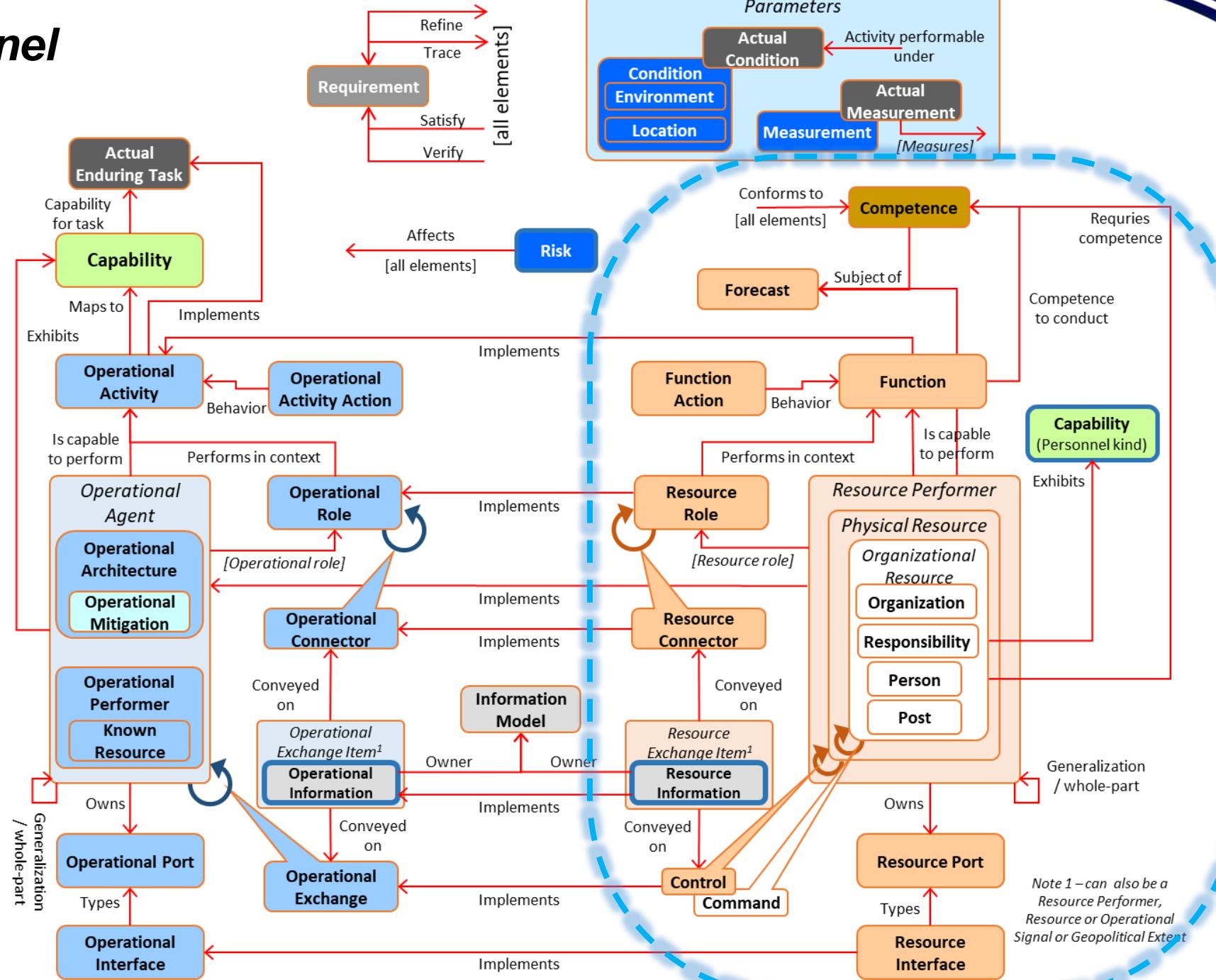


Key Model Elements involved in this step of the workflow...



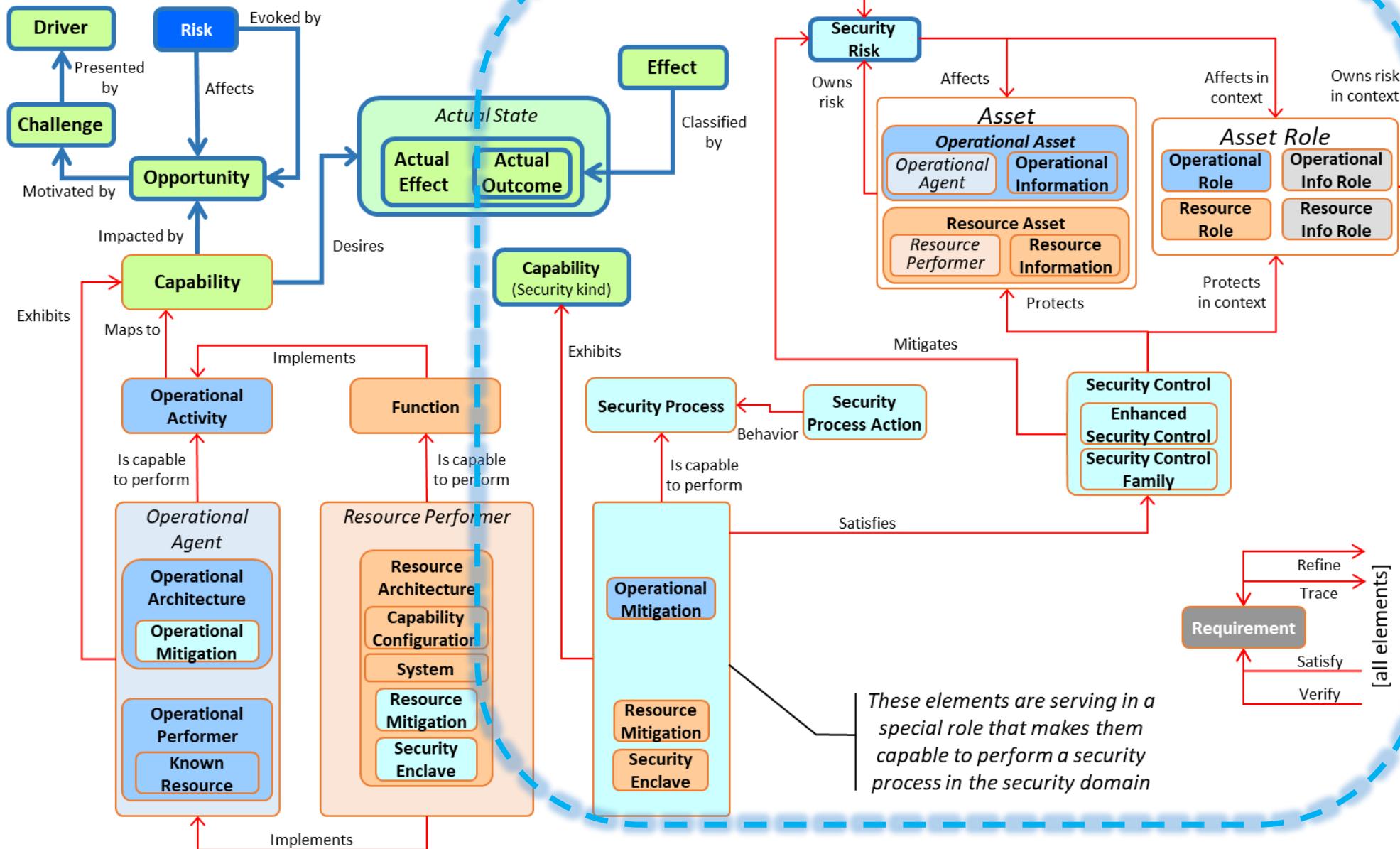
5

Step 6 – Personnel Architectures (Organizational)



Step 7 – Security and Protection (Resilience)

Key Model Elements involved in this step of the workflow...



[all elements]

These elements are serving in a special role that makes them capable to perform a security process in the security domain