



## Missions and Means Framework

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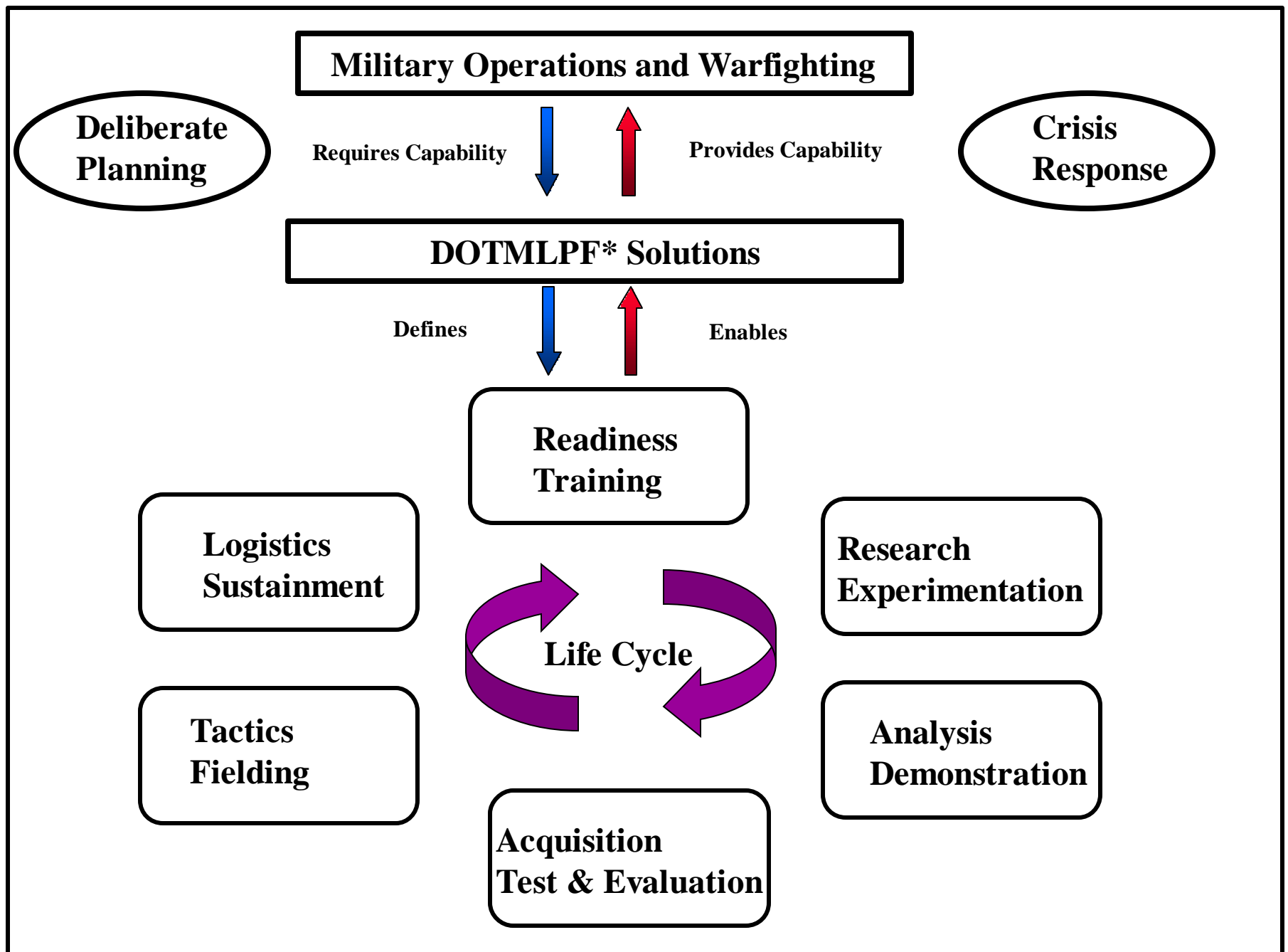
## Context

- **A Blizzard of Guidance:**

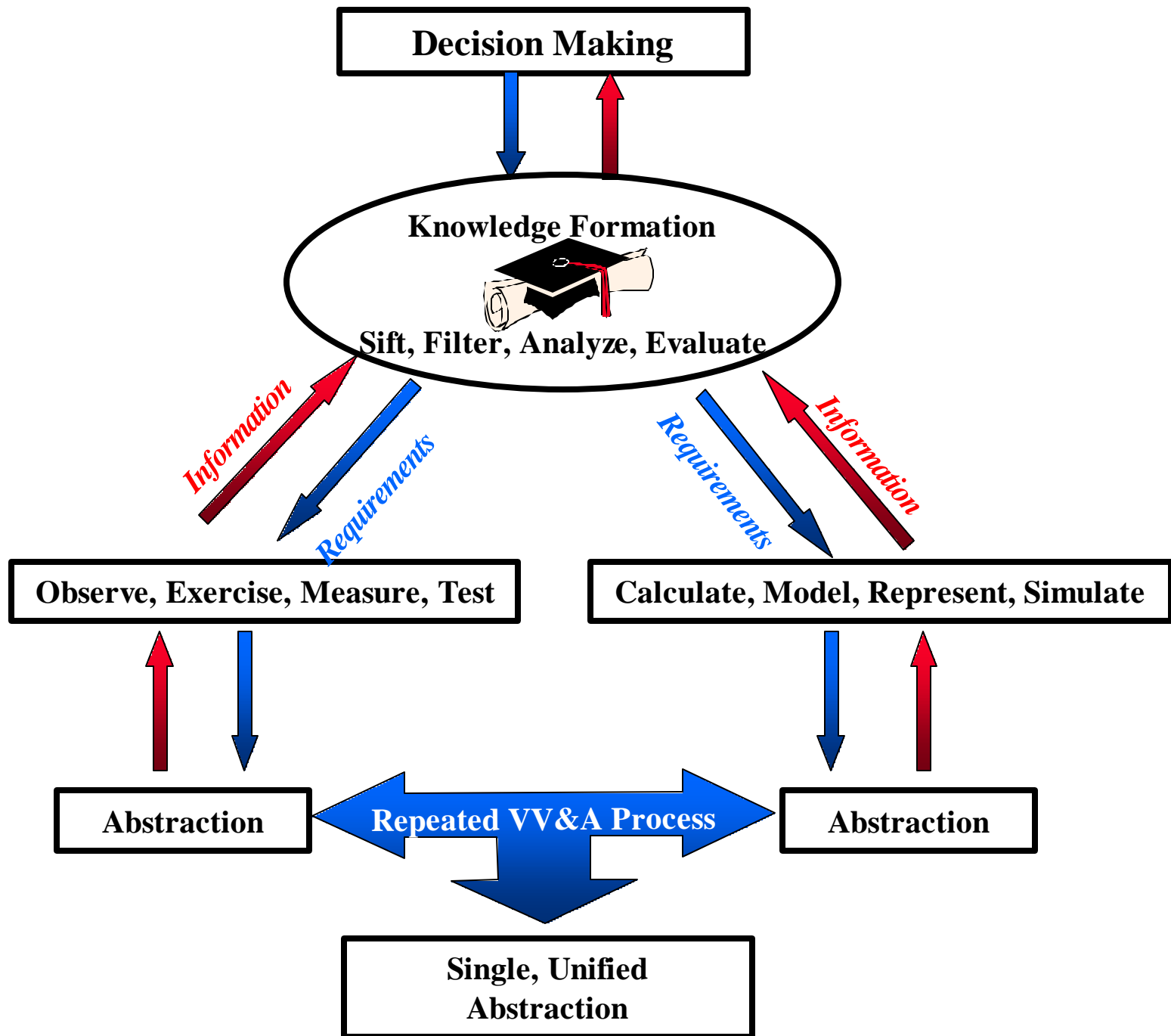
- Rumsfeld, “Transformation Planning Guidance”, April 2003
- Wolfowitz, “Operation of the Defense Acquisition System”, DoD 5000.2, May 2003
- Wolfowitz, “Department of Defense Readiness Reporting System”, DoD Directive 7730.65, June 2003
- Myers, “Joint Capabilities Integration and Development System”, CJCSI 3170.01C, June 2003
- Wolfowitz, “DoD Architecture Framework”, Version 1, coordination draft DoD Instruction 8800.x, March 2003
- Daly, Miller, Seglie, and Wauer, “The Test and Evaluation Master Plan, an Operational Overview”, ITEA Journal, September/October 2003
- Hollis and Bolton, “Future Combat Systems and Complementary Systems Coordination”, Department of the Army, November 2003

## **\*\*\* Opinion \*\*\***

- **In the post-9/11 World:**
  - **The United States needs the capability to**
    - **Counter new, emerging concepts and threats while**
    - **Retaining the overmatch to deter existing, conventional capabilities.**
  - **Relative to extant U.S. warfighting capabilities, this requires:**
    - **Strategic agility in hours/days, not weeks/months;**
    - **Joint netted lethality in close combat; and**
    - **Combined and noncombatant survivability in complex terrain.**
  - **To achieve national security objectives over the long haul:**
    - **The suitability of total DOTMLPF solutions (life-cycle ownership) and**
    - **The time to field capabilities must improve.**



\* DOTMLPF: Doctrine, Organization, Training, Materiel, Leadership, Personnel, Facilities



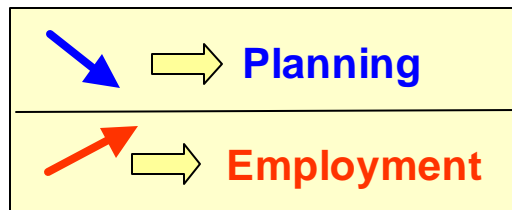
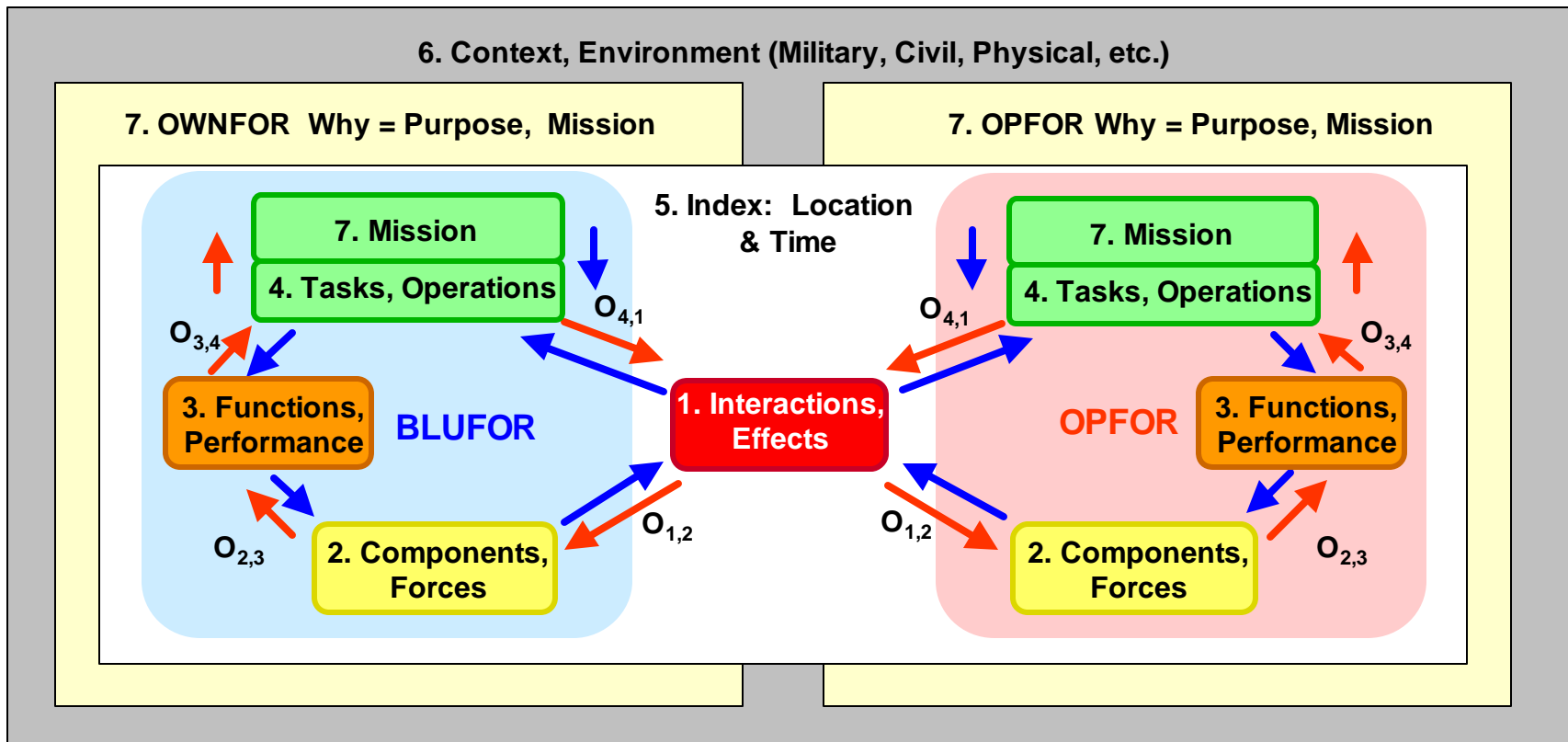
## **To Make It Work ...Need Five Things**

- **Composable Framework and supporting Procedures**
- **Critical Mass of End-User Content and supporting Access**
- **Business Model for Life-Cycle Sustainment and supporting Program Elements**
- **Tools, Utilities and supporting Standards**
- **Education, Training, and Certification**

# Missions and Means Framework

**11 Fundamental Elements:**

Seven Levels, Four Operators



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**7. OWNFOR Why = Purpose, Mission**

**7. OPFOR Why = Purpose, Mission**

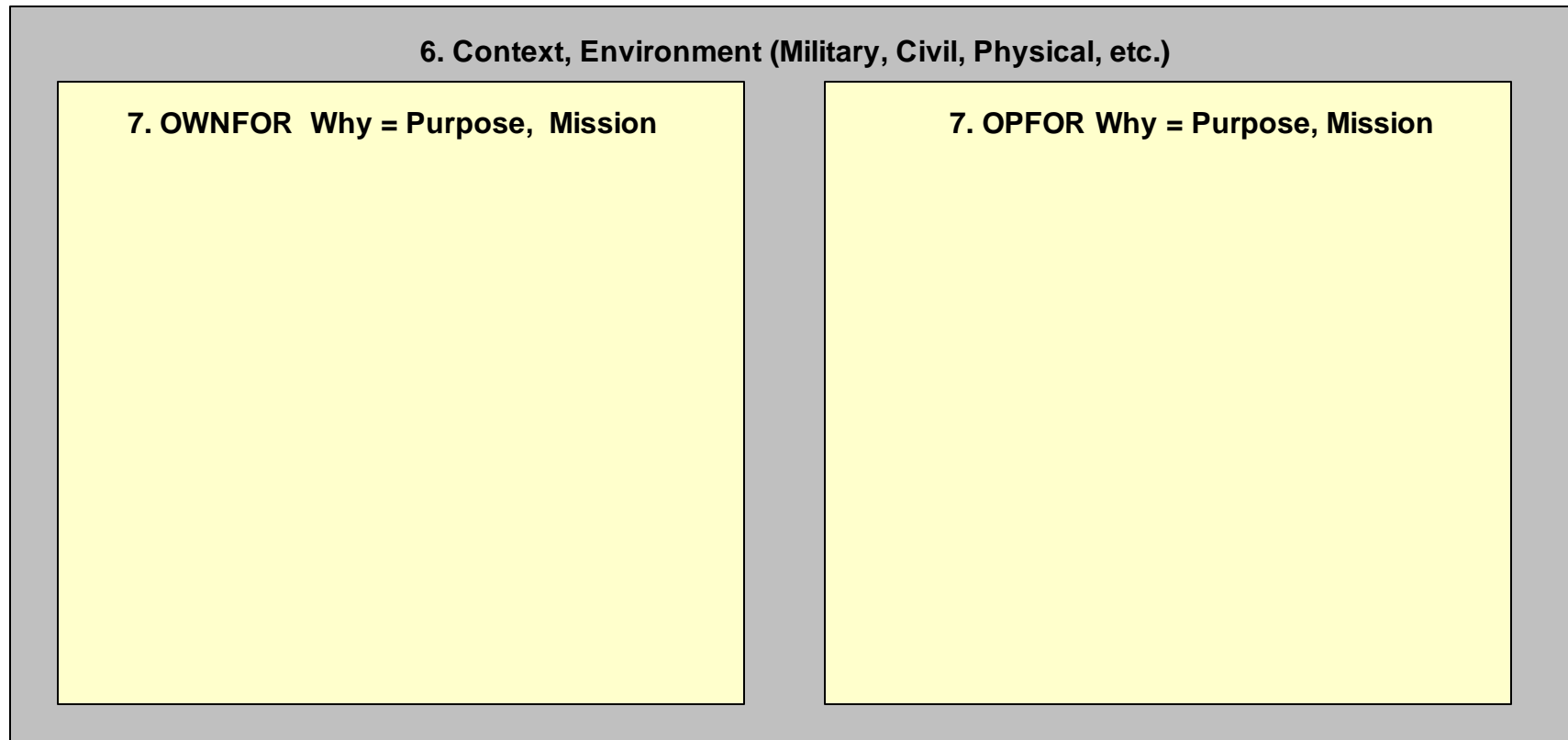
**7. Why, Wherefore, to What End**



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Seven Levels, Four Operators

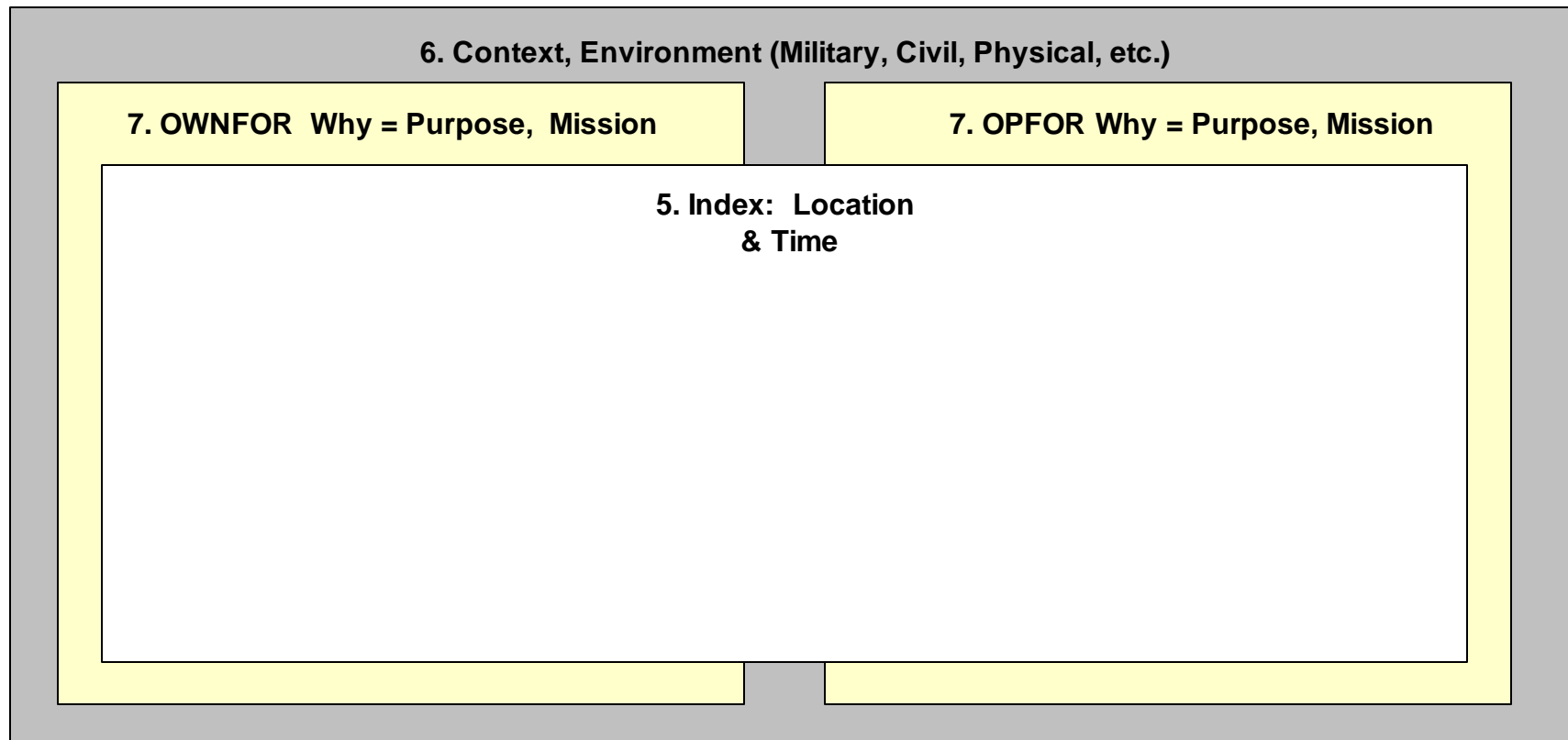


**6. Under What Circumstances**

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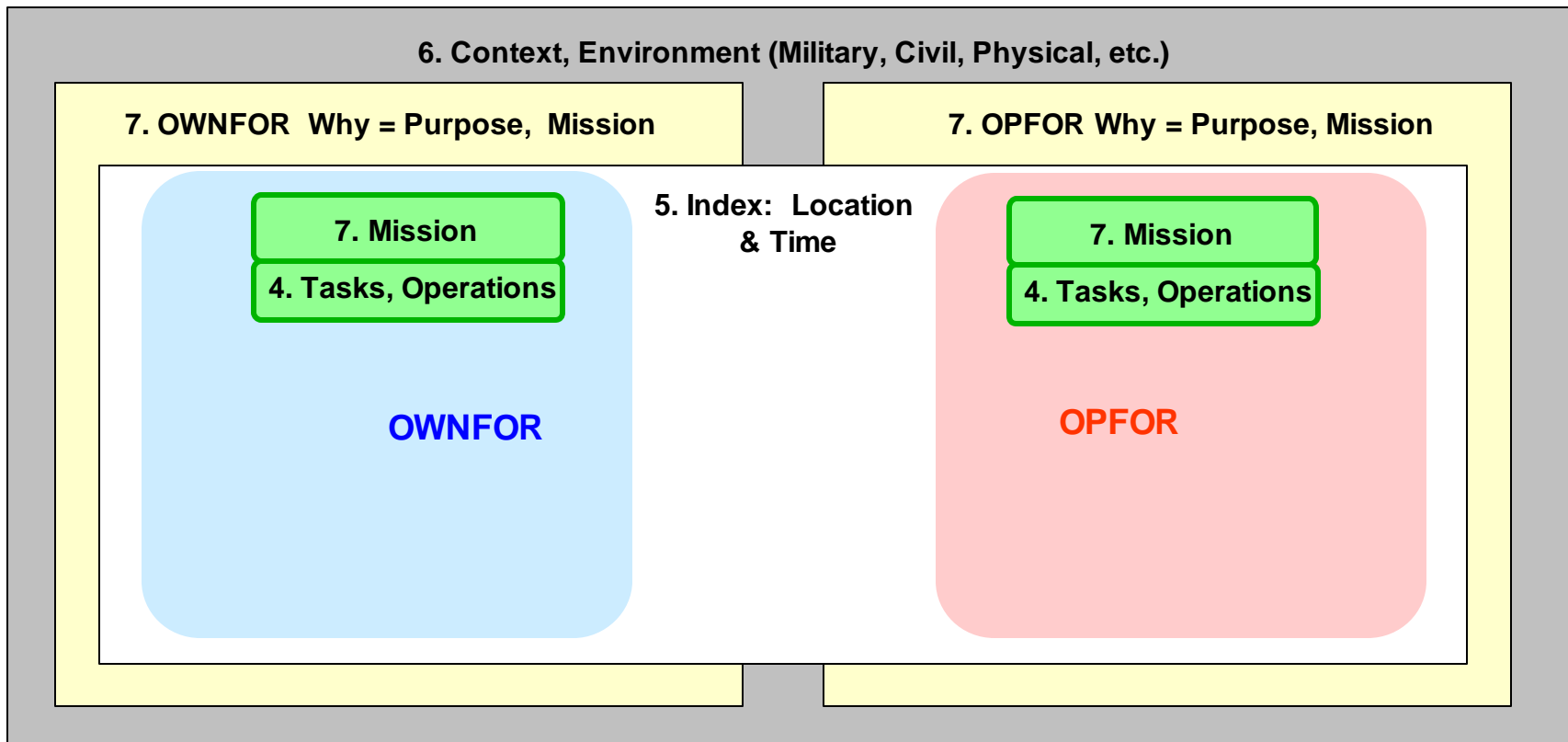


**5. When and Where**

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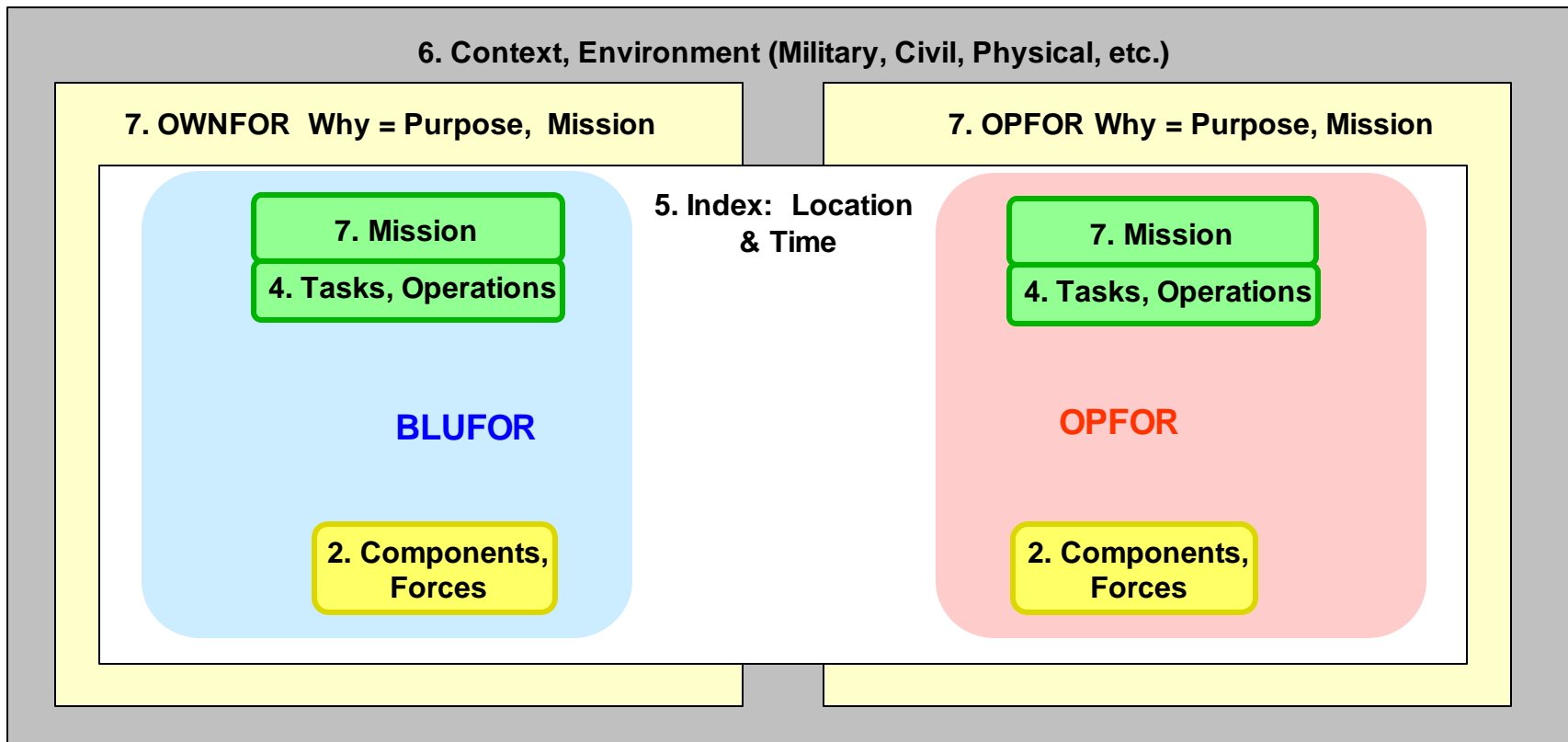


**4. Activity-centric, named with a Verb “Do What” -- the Playbook**

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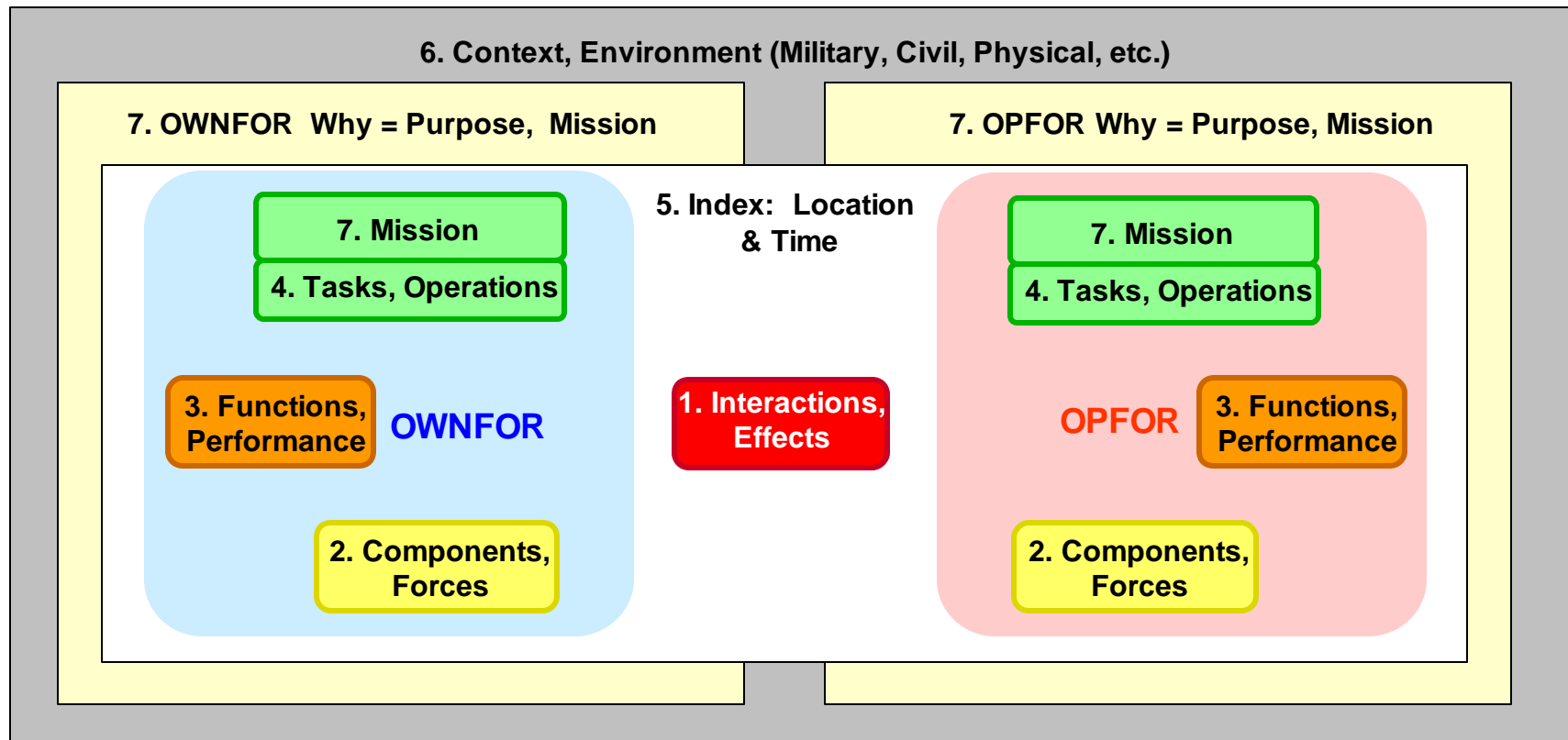


**2. Entity-centric, named with a Noun “By Whom” -- the Players**

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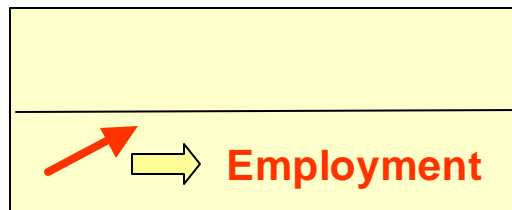
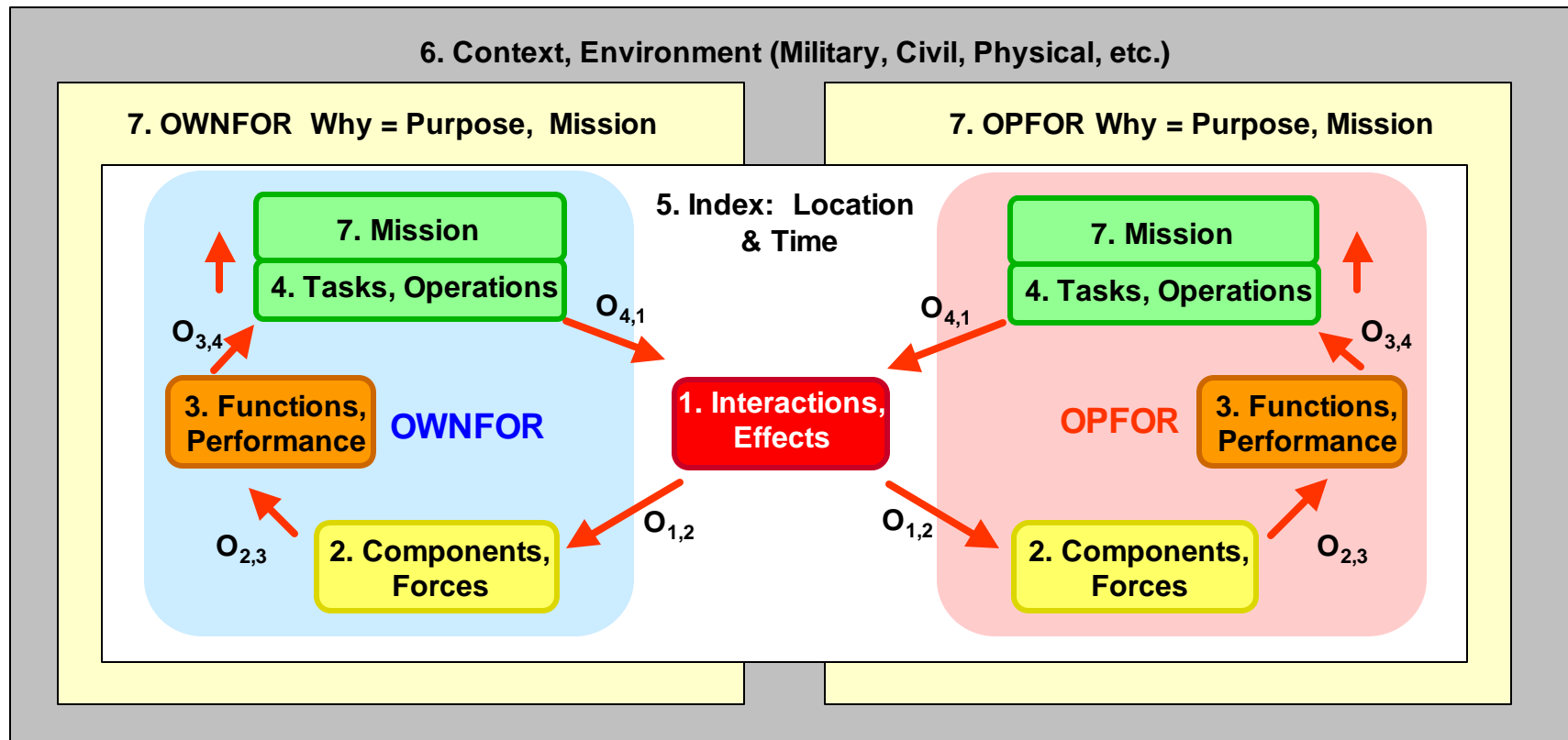


1. The Slings-and-Arrows of Outrageous Fortune -- Science
3. Condition-dependent “How Well” -- Engineering

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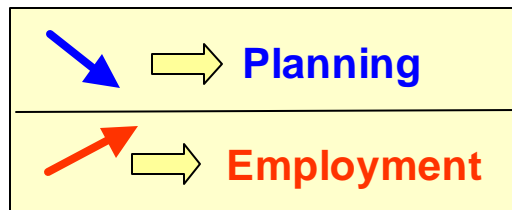
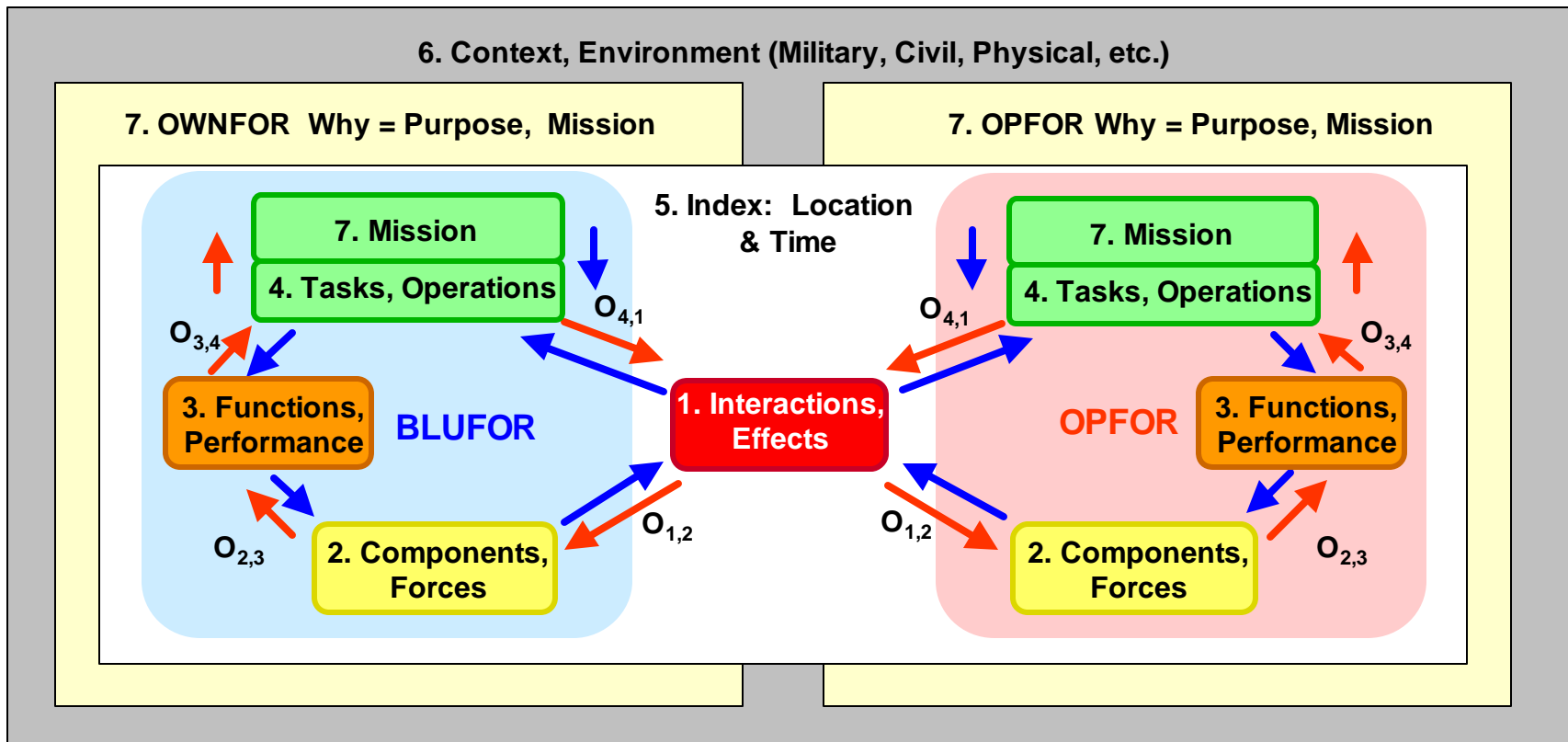


**Bottom-up, Causal, Time-forward  
execution and adjudication of outcomes**

# Missions and Means Framework

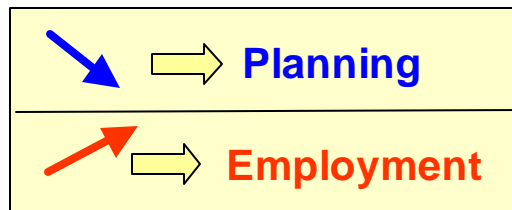
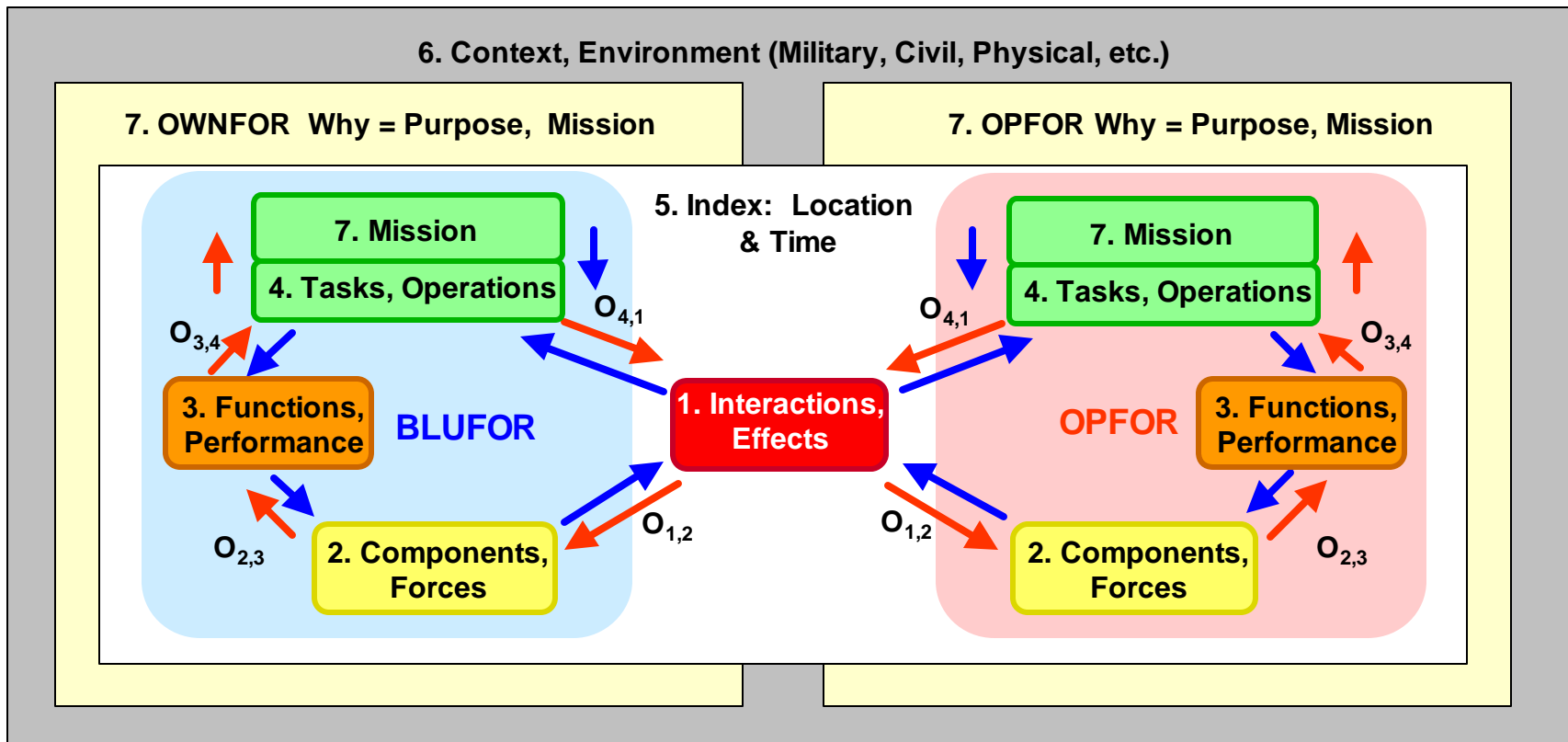
## 11 Fundamental Elements:

## Seven Levels, Four Operators



## Top-Down, Concurrent Synthesis and Decision Making

# Missions and Means Framework



Architecture defines how  
Parts are assembled into Packages



## MMF Application - Situation

### Road to War

- Radical elements form new government, seek to force recognition by UN as legitimate government.
- Legitimate, pro-Western Government of Orangeland is overthrown by radical elements and forced into exile.
- Majority of Orangeland's conventional military forces are loyal to new government. Orangeland invades neighboring country of Blueland.
- United States and its coalition partners believe national interests and regional stability are threatened. They take military action to drive Orangeland forces from Blueland; remove rebel government from power; restore legitimate, pro-Western government; stabilize region; and protect U.S. and coalition vital interests.

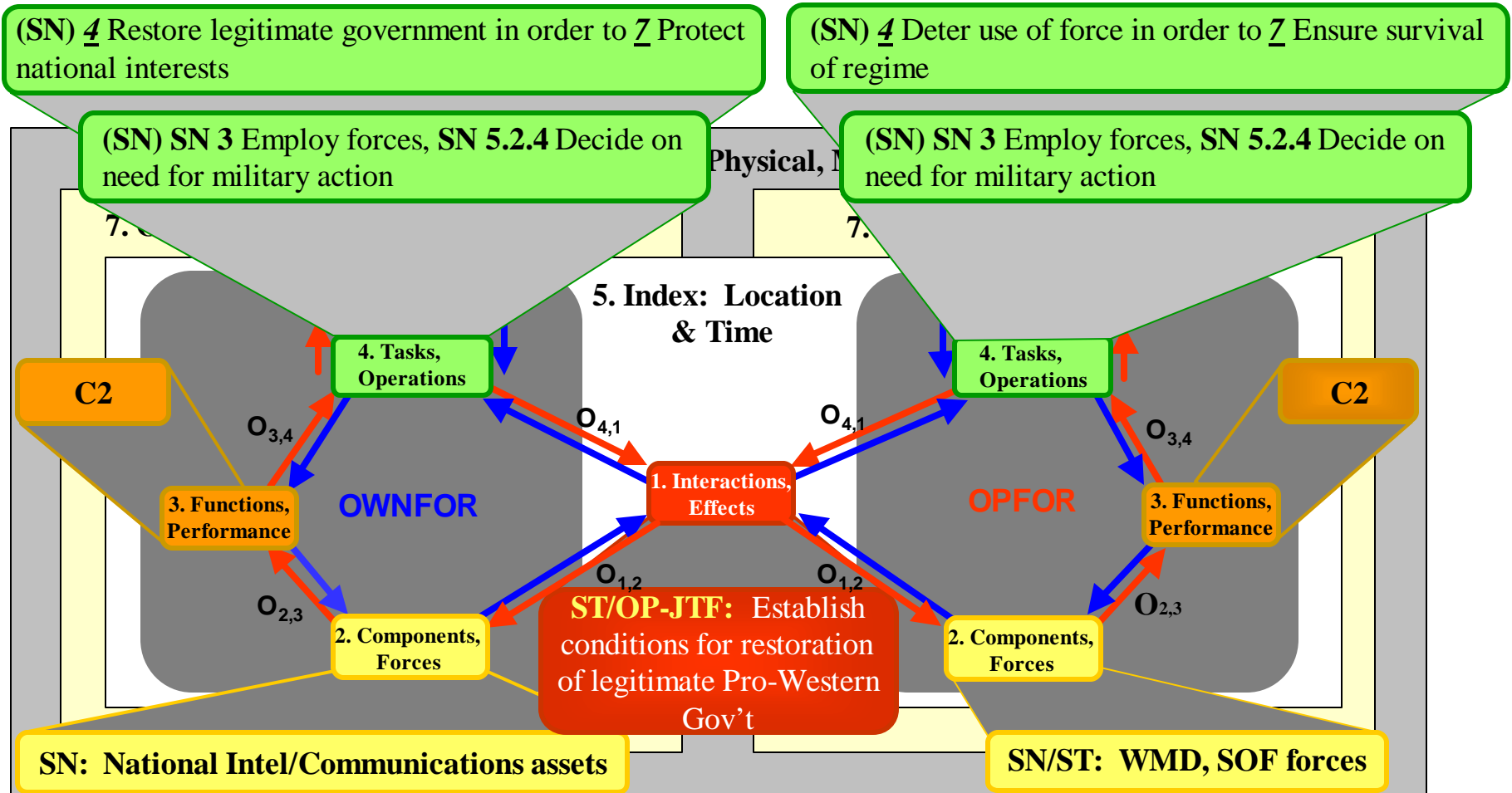
### Current Situation

- Coalition forces have commenced offensive ground operations in the region to drive Orangeland forces out of Blueland and continue attacking to isolate rebel government leadership inside capital of Orangeland.

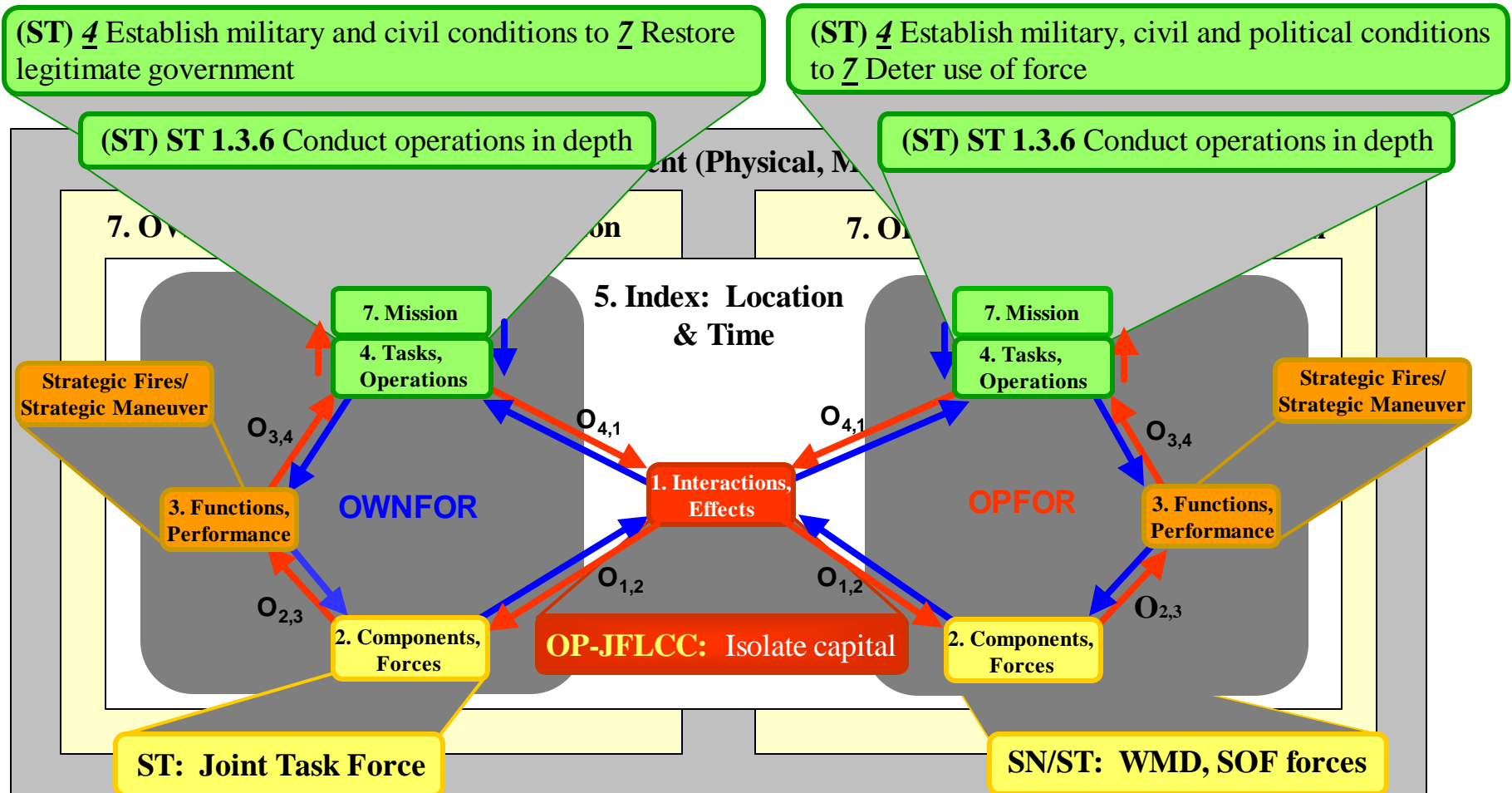
### Mission

- CJFLCC intends to isolate rebel government leadership in the capital by defeating majority of conventional forces well outside the capital and preventing them from reinforcing security forces protecting the rebel leadership inside the capital.

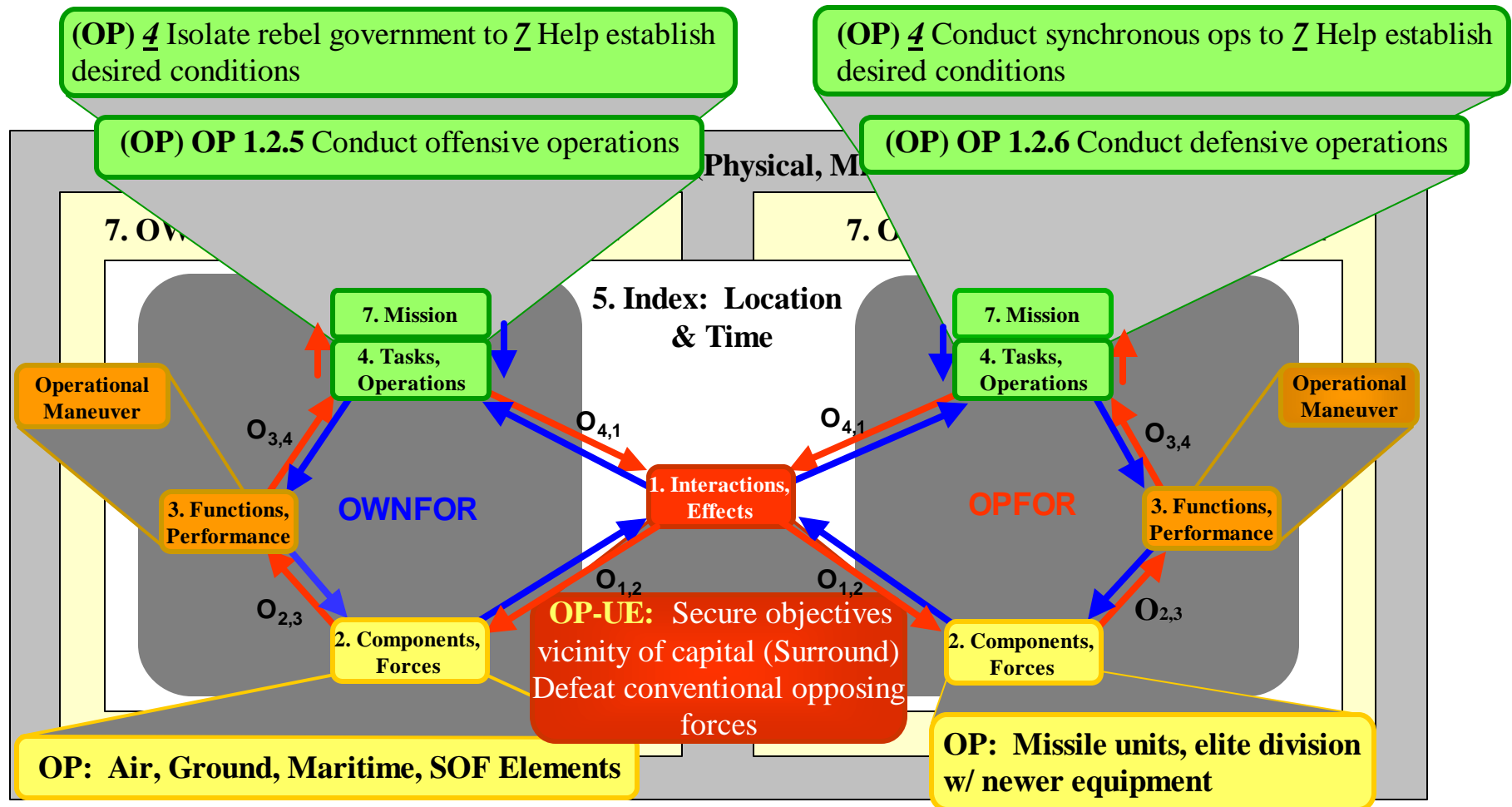
# MMF Layered View: SN



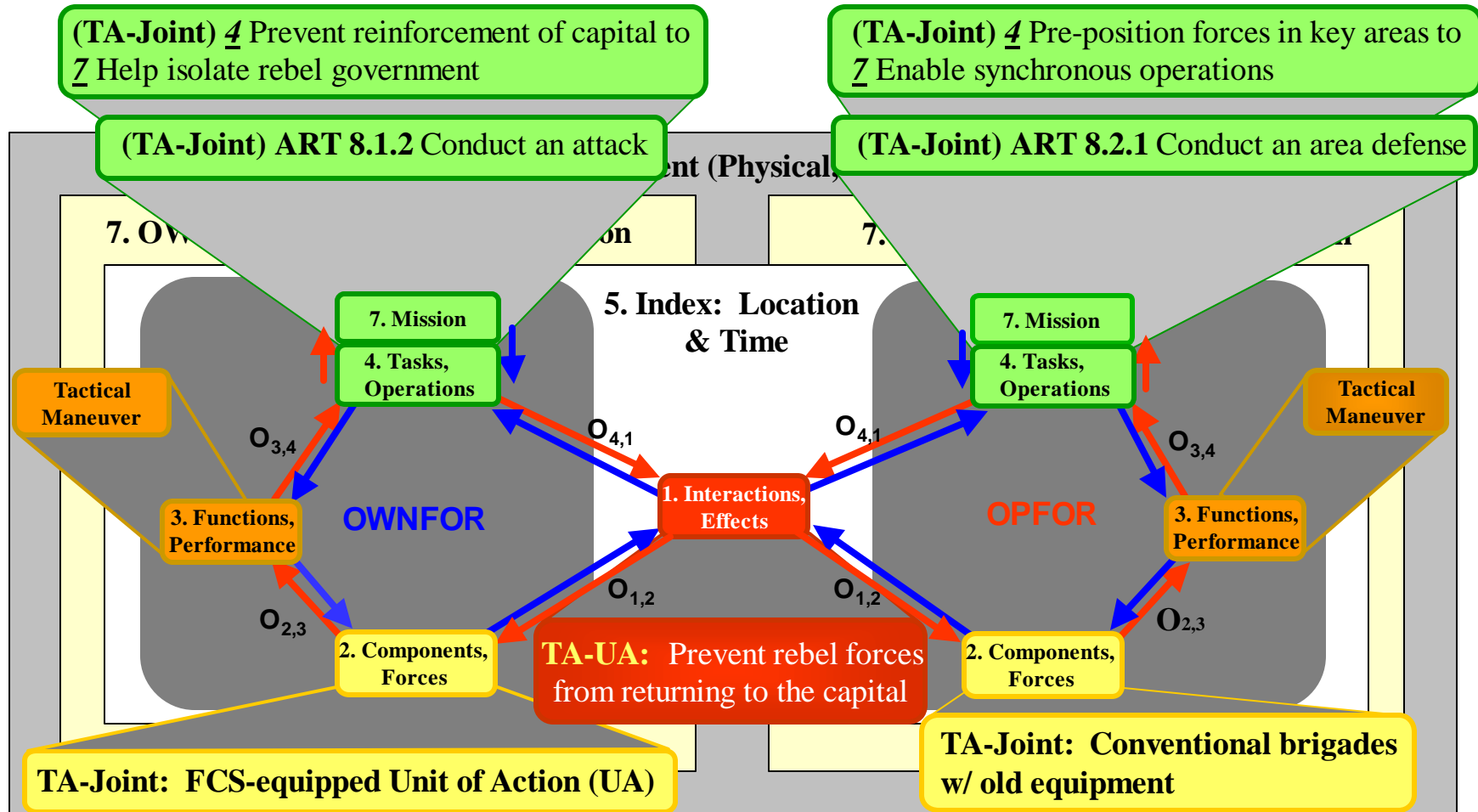
# MMF Layered View: ST



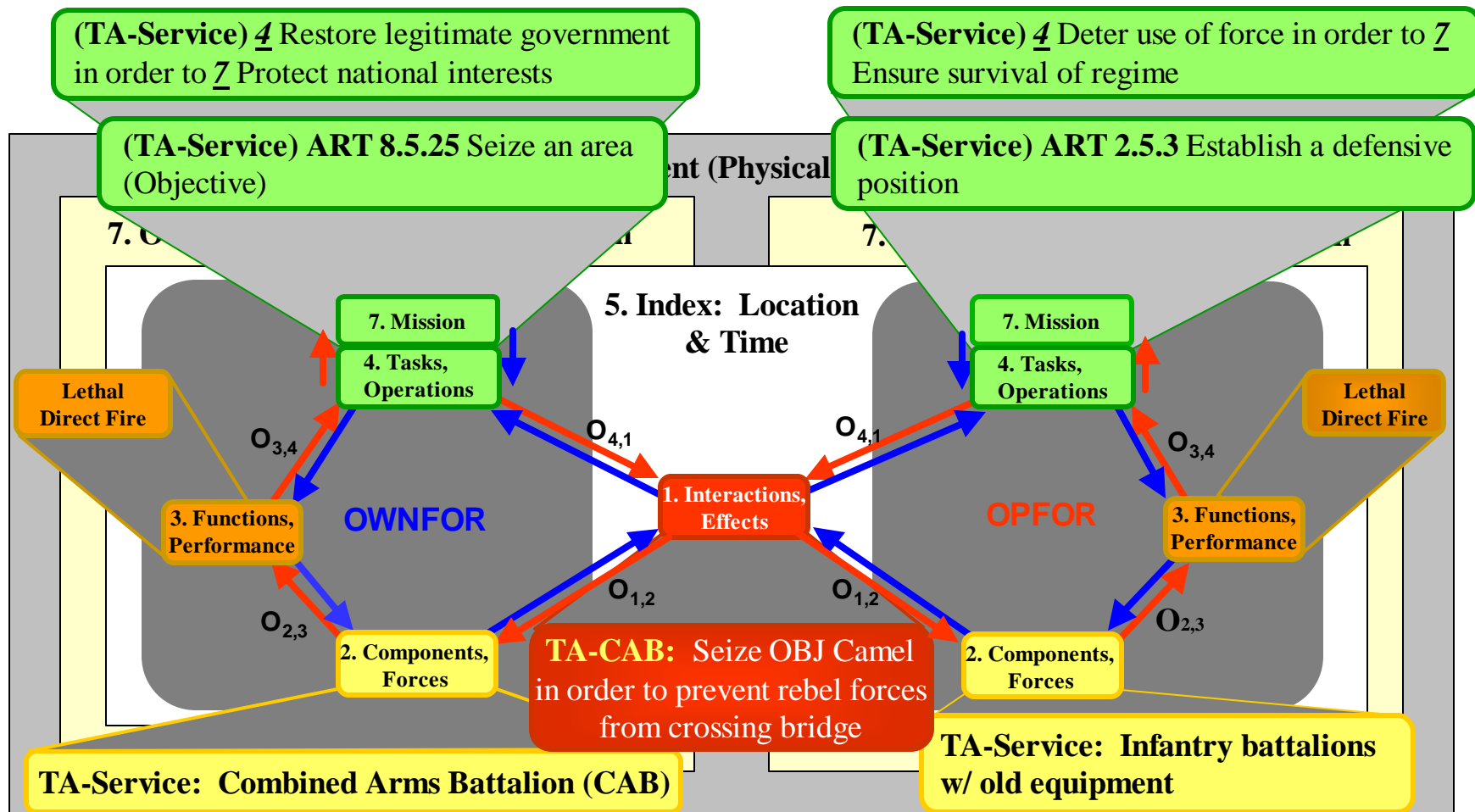
# MMF Layered View: OP



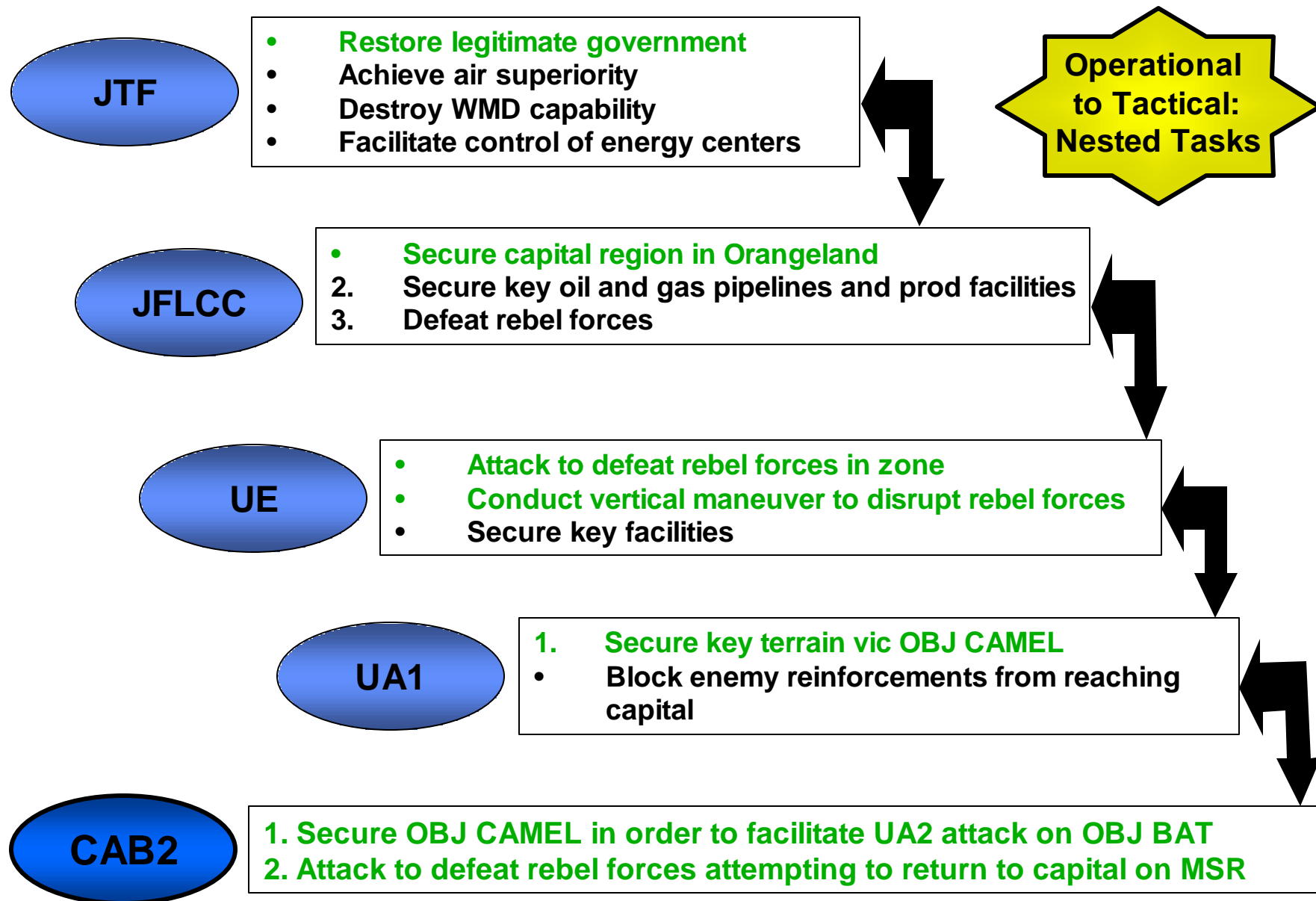
# MMF Layered View: TA-Joint



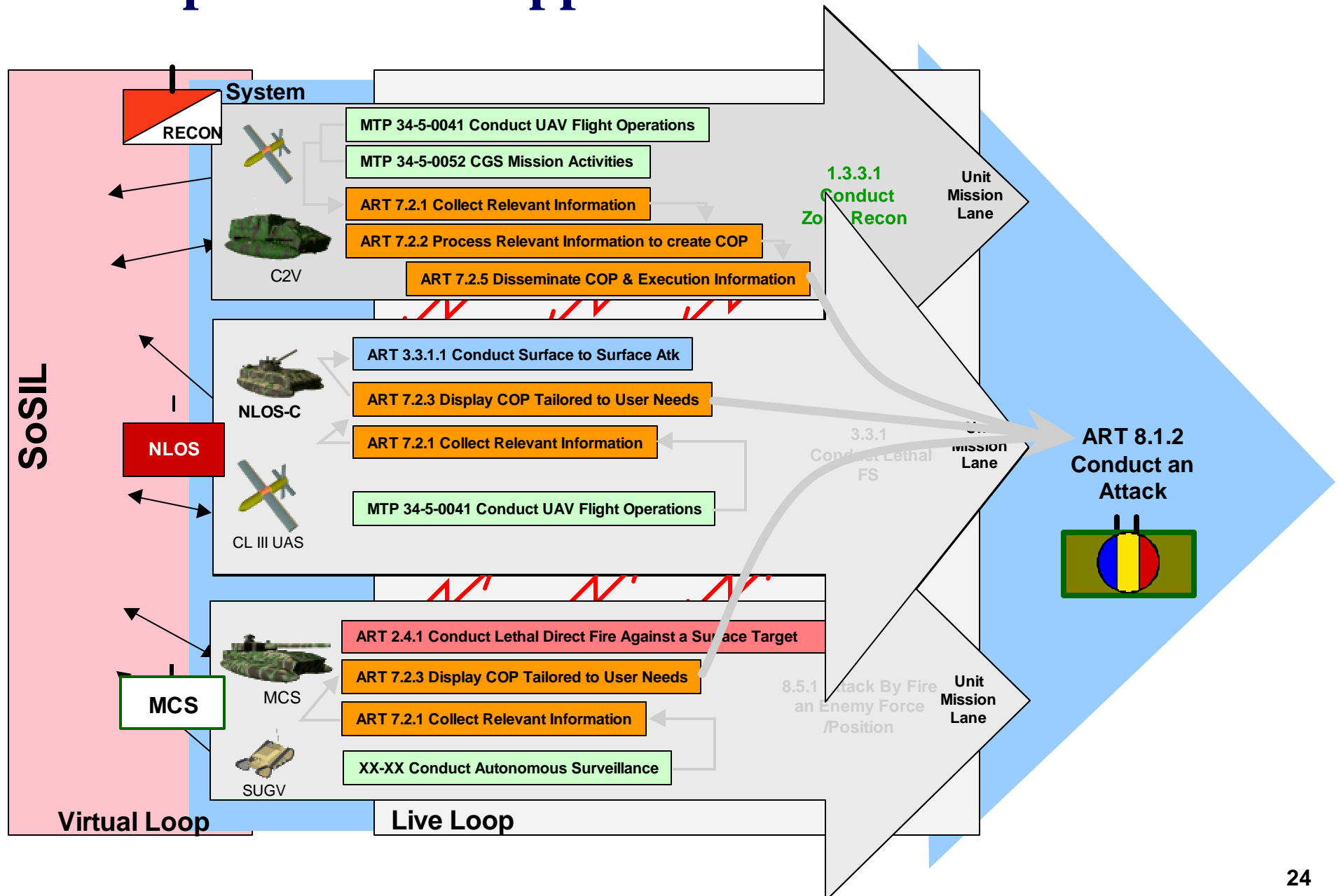
# MMF Layered View: TA-Service



# MMF Application – Key Tasks



# Sample Task Set Applied OT Model





# Relating Effects to Utility

