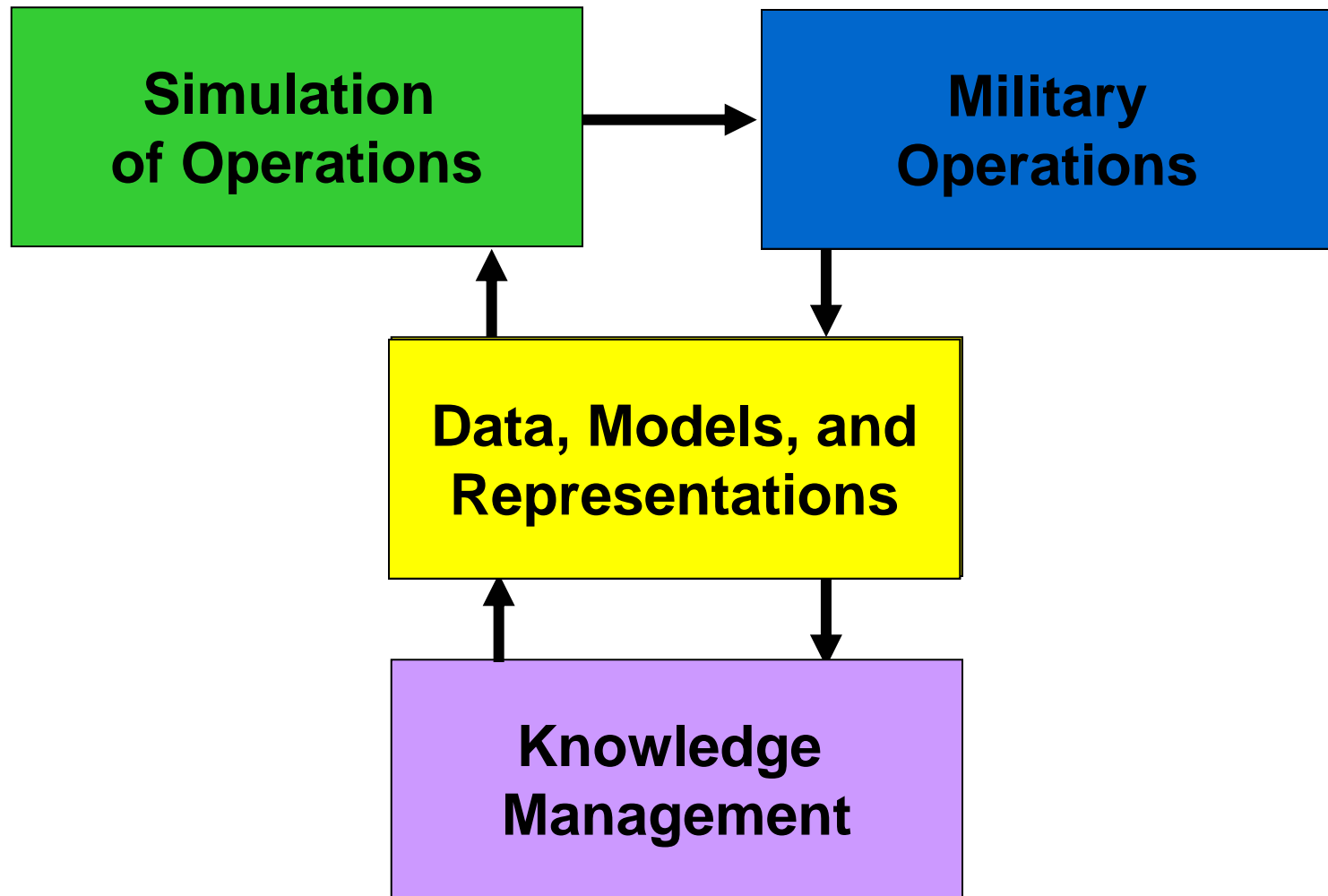




Missions and Means Framework Tutorial

Information-Intensive Warfare, Digitization of the Battle blurs distinctions between simulations and operations



Key Concepts

- **The Principle of Late Binding is a fundamental element of the transformed end-state.**
- **Integration Readiness is fundamental to Late Binding in Joint Operational Concepts**
- **The Missions and Means Framework (MMF) embraces Late Binding to specify the warfighter's view of the battle space.**
- **Executable Mission Content (EMC) is a key enabler to conceive and execute transformation.**

Missions and Means Framework

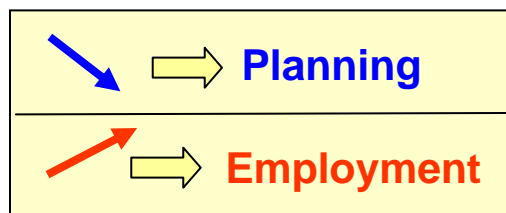
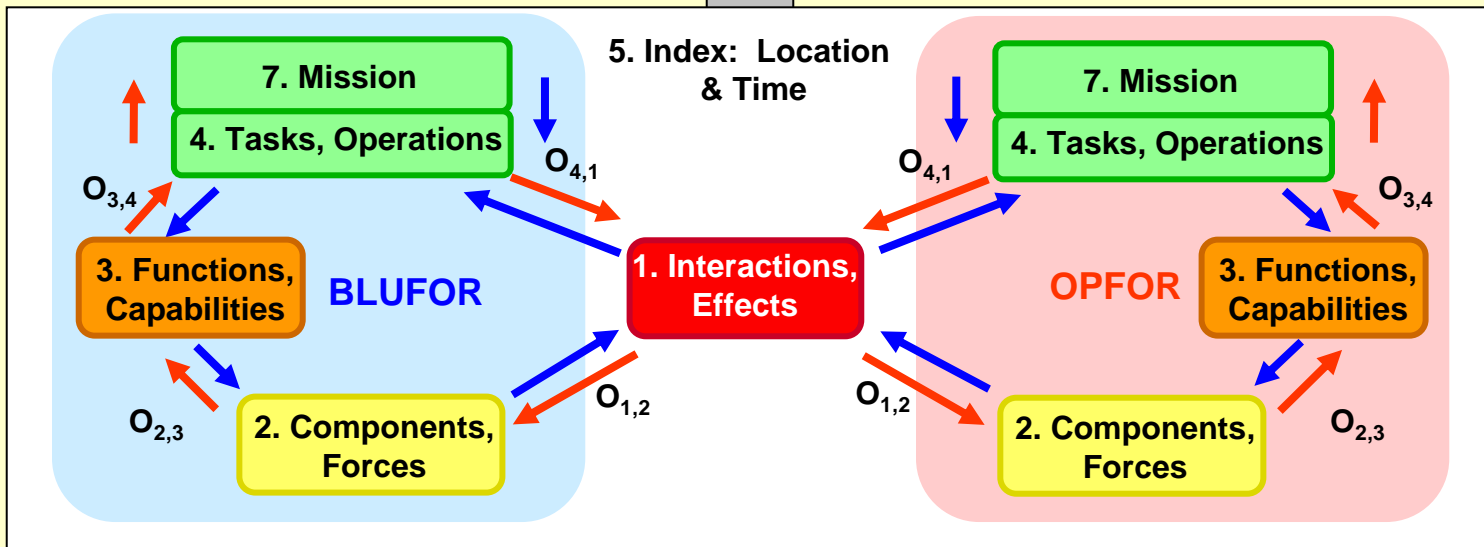
11 Fundamental Elements:

Seven Levels, Four Operators

6. Context, Environment (Military, Civil, Physical, etc.)

7. OWNFOR Why = Purpose, Mission

7. OPFOR Why = Purpose, Mission



Missions and Means Framework

11 Fundamental Elements:

Seven Levels, Four Operators

7. OWNFOR Why = Purpose, Mission

7. OPFOR Why = Purpose, Mission

7. Why, Wherefore, to What End

Missions and Means Framework

11 Fundamental Elements:

Seven Levels, Four Operators

6. Context, Environment (Military, Civil, Physical, etc.)

7. OWNFOR Why = Purpose, Mission

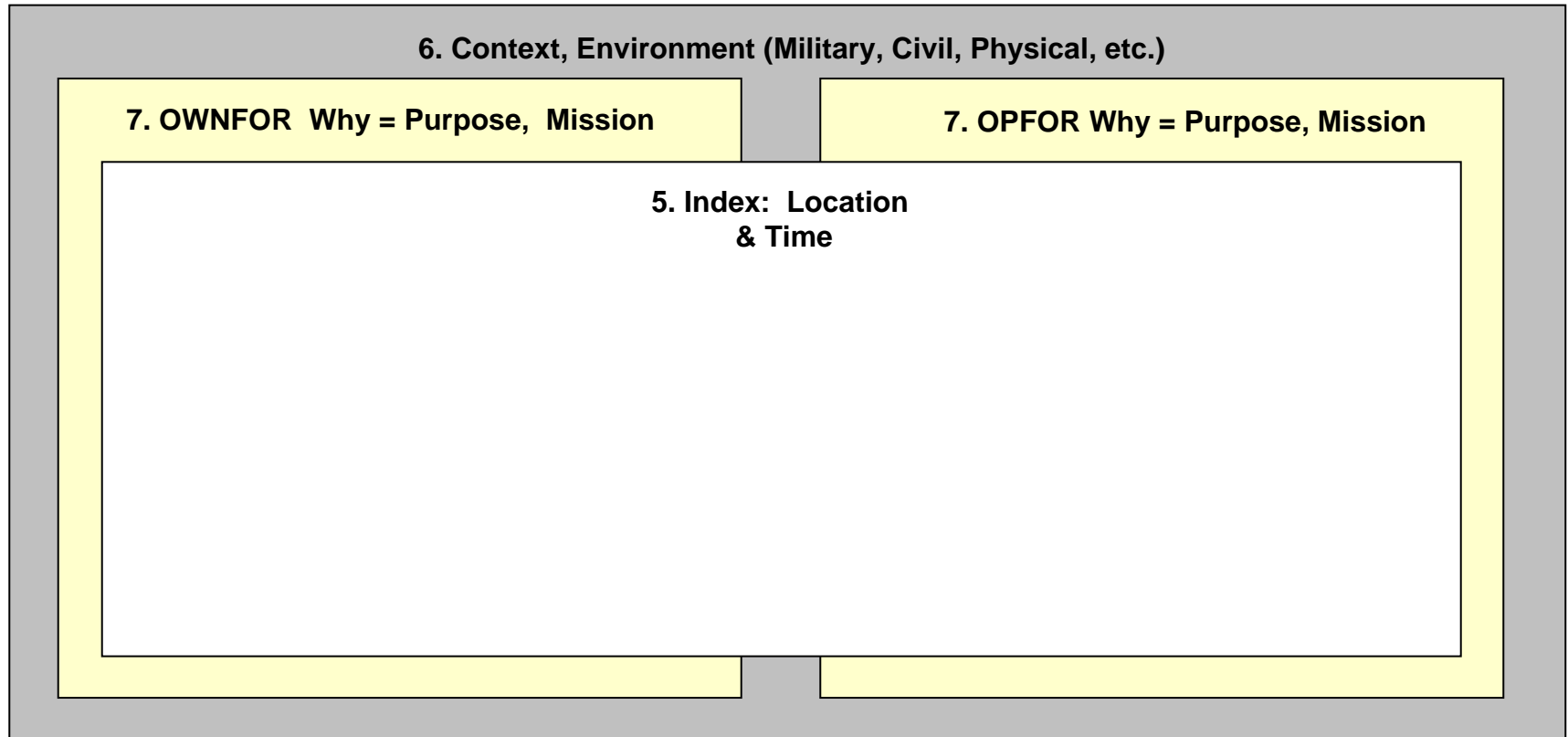
7. OPFOR Why = Purpose, Mission

6. Under What Circumstances

Missions and Means Framework

11 Fundamental Elements:

Seven Levels, Four Operators

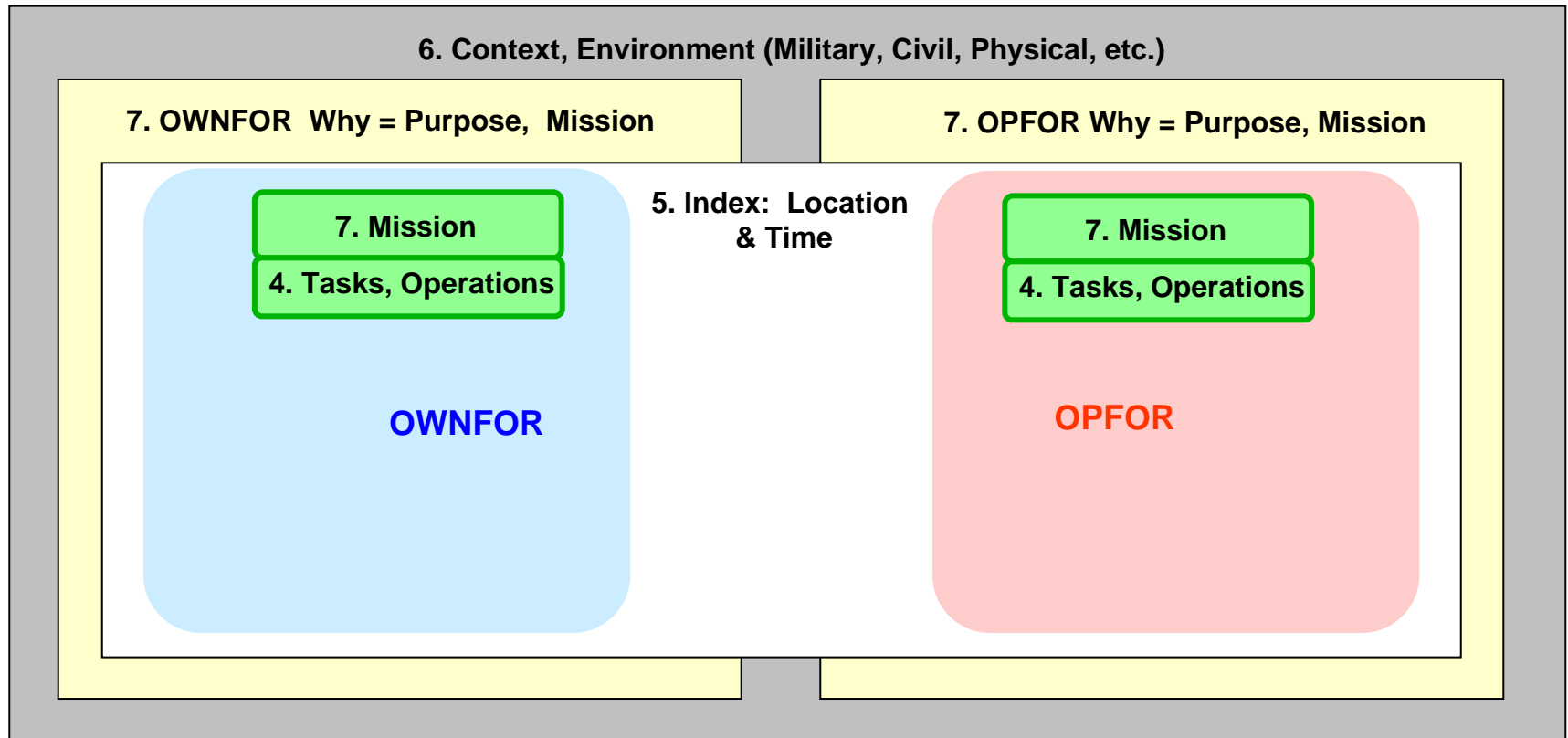


5. When and Where

Missions and Means Framework

11 Fundamental Elements:

Seven Levels, Four Operators

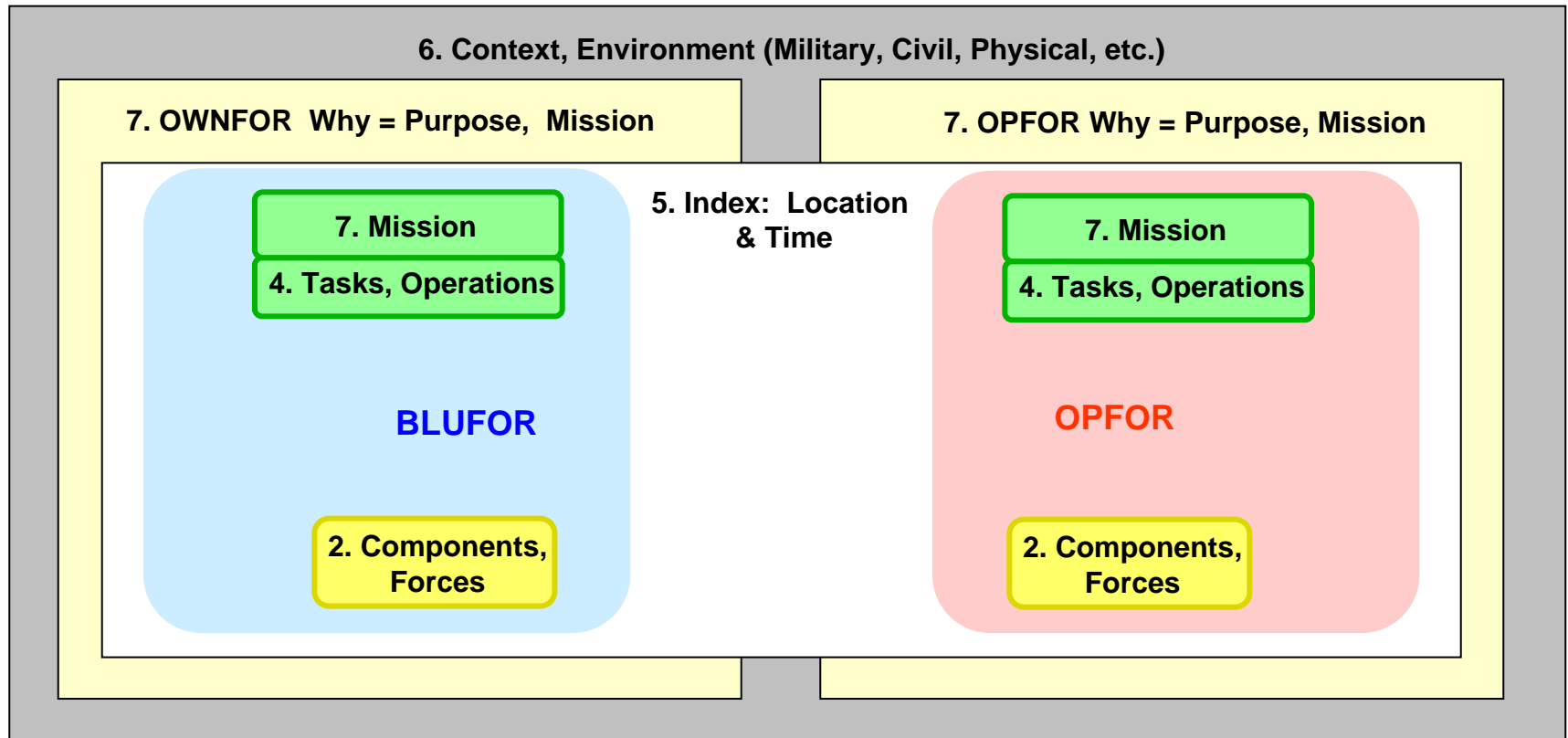


4. Activity-centric, named with a Verb, “Do What” -- the Playbook

Missions and Means Framework

11 Fundamental Elements:

Seven Levels, Four Operators

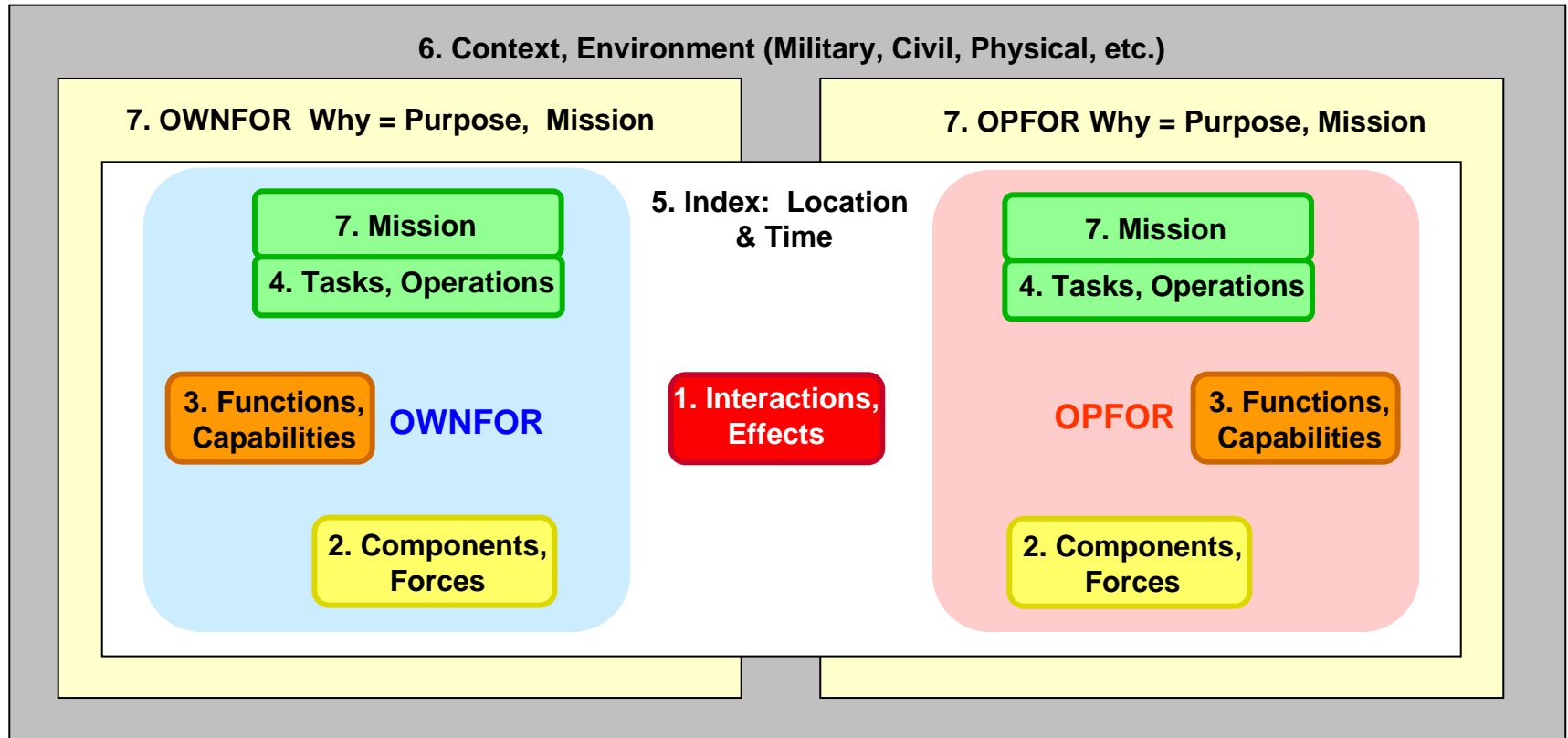


2. Entity-centric, named with a Noun “By Whom” -- the Players

Missions and Means Framework

11 Fundamental Elements:

Seven Levels, Four Operators



1. The (shared) Slings-and-Arrows of Outrageous Fortune -- Science

3. Condition-dependent “How Well” -- Engineering

Missions and Means Framework

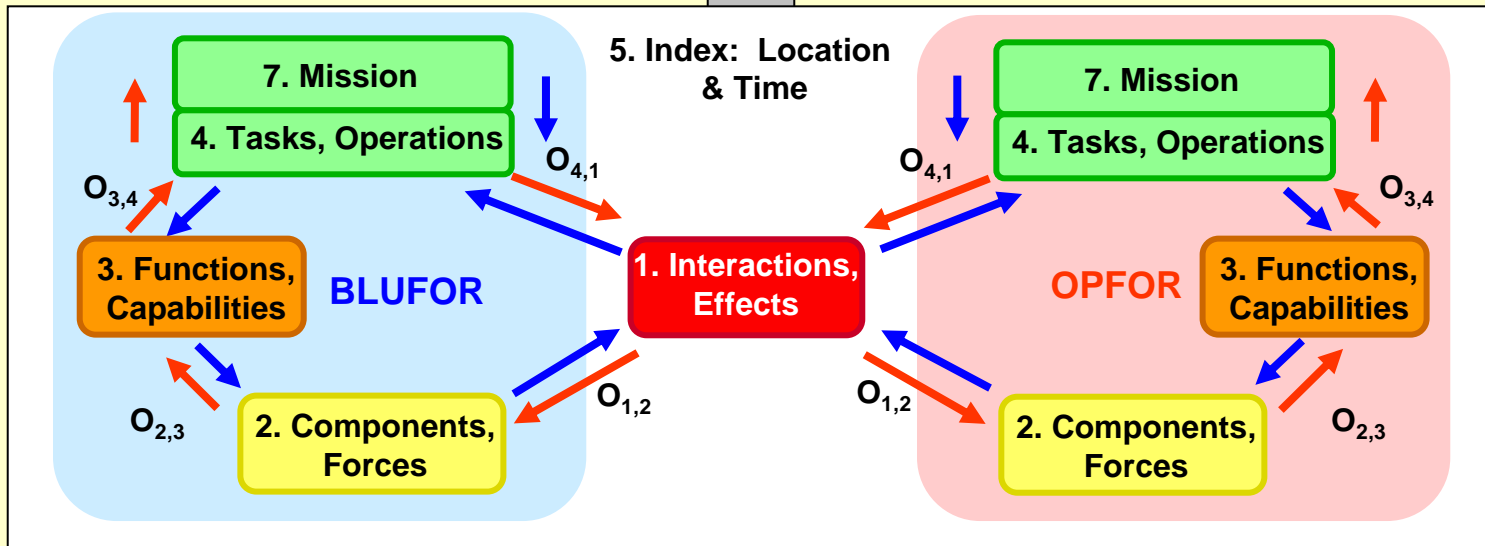
11 Fundamental Elements:

Seven Levels, Four Operators

6. Context, Environment (Military, Civil, Physical, etc.)

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Planning

Employment

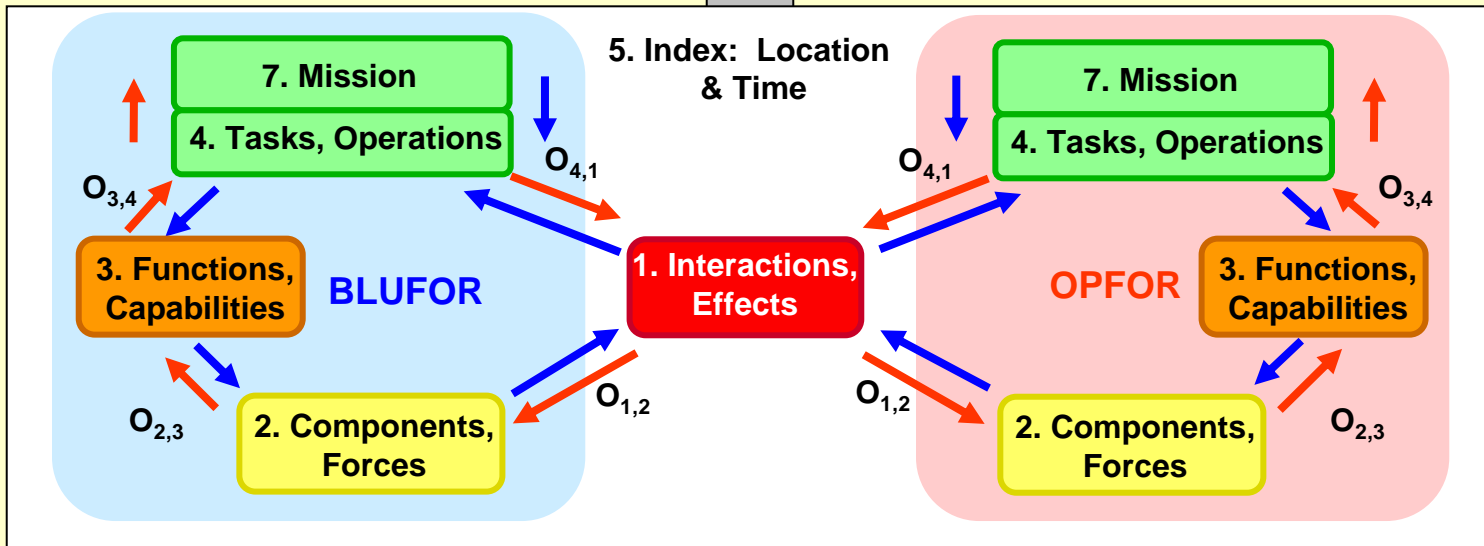
**Top-Down, Concurrent
Synthesis and Decision Making**

Missions and Means Framework

6. Context, Environment (Military, Civil, Physical, etc.)

7. OWNFOR Why = Purpose, Mission

7. OPFOR Why = Purpose, Mission



Planning

Employment

Architecture defines how Parts are assembled into Packages

Capabilities are relationships between Parts and 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.

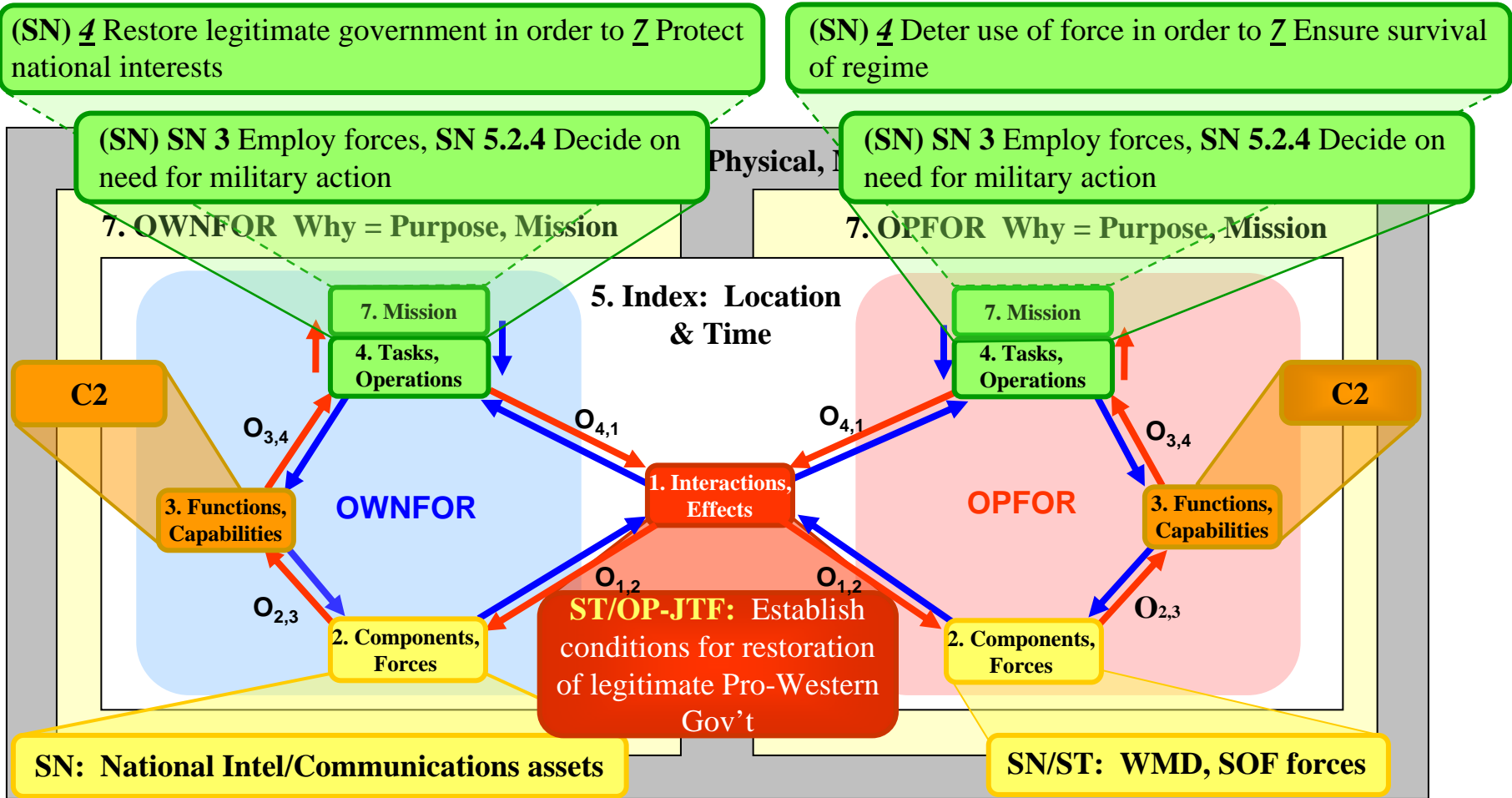
Current Situation

- 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



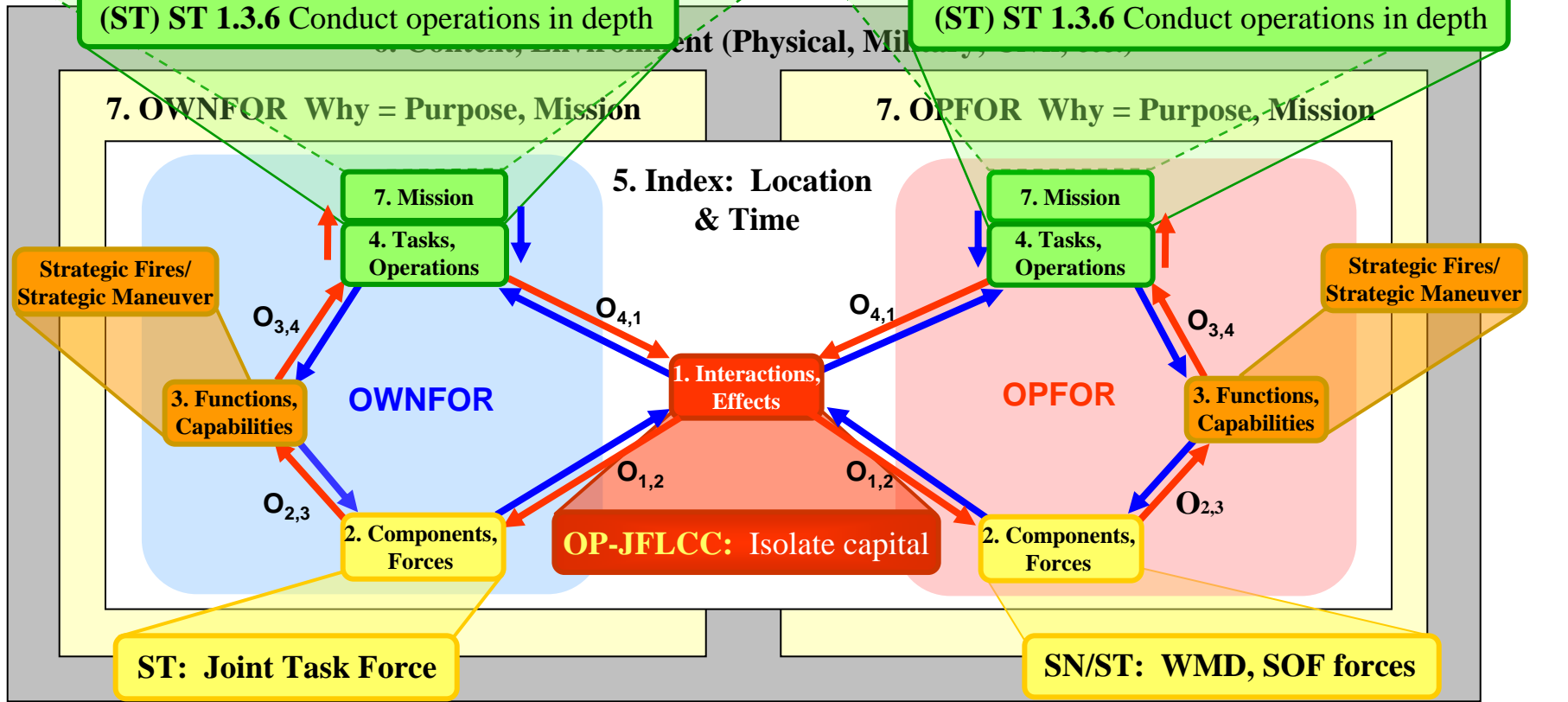
MMF Layered View: ST

(ST) 4 Establish military and civil conditions to 7 Restore legitimate government

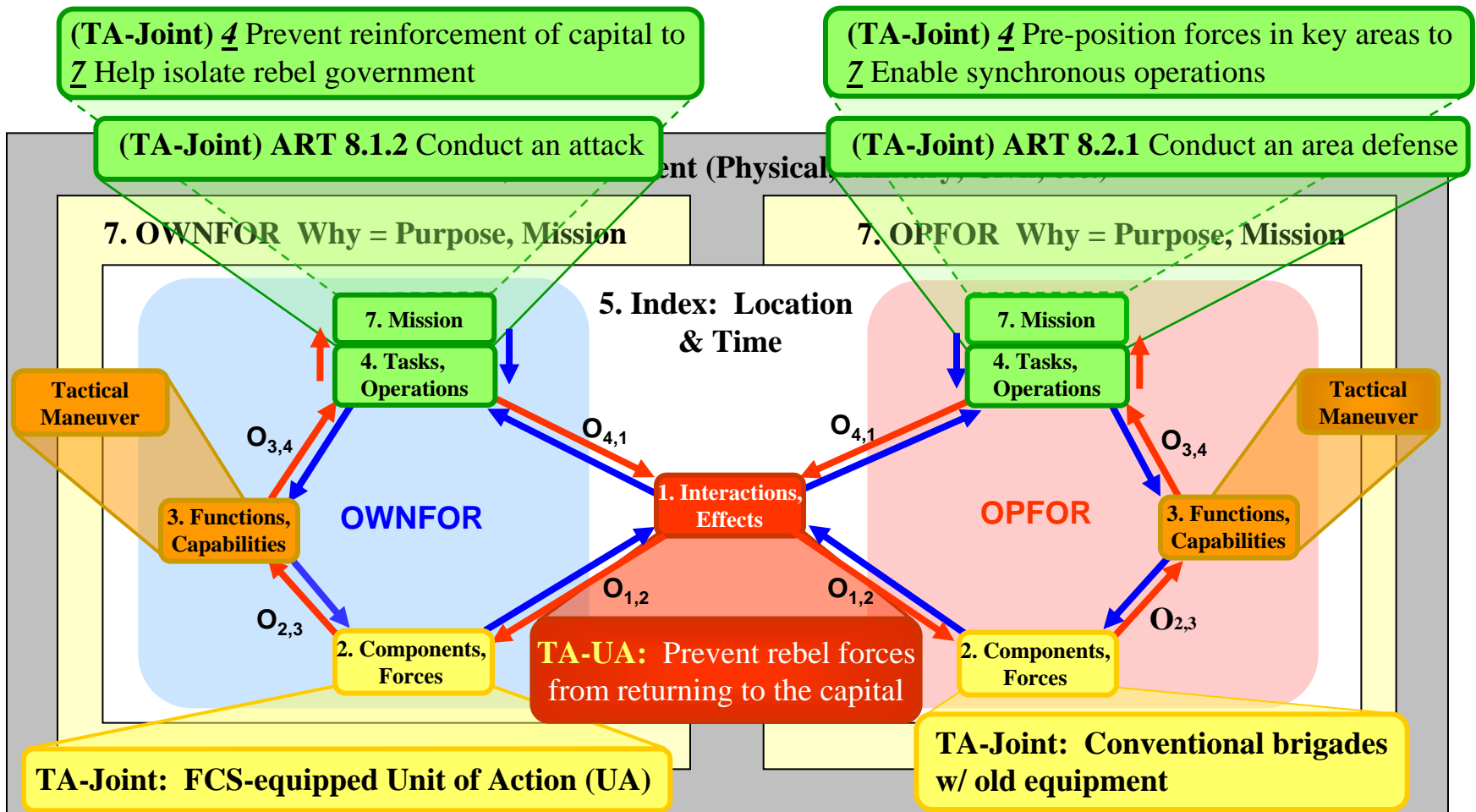
(ST) 4 Establish military, civil and political conditions to 7 Deter use of force

(ST) ST 1.3.6 Conduct operations in depth

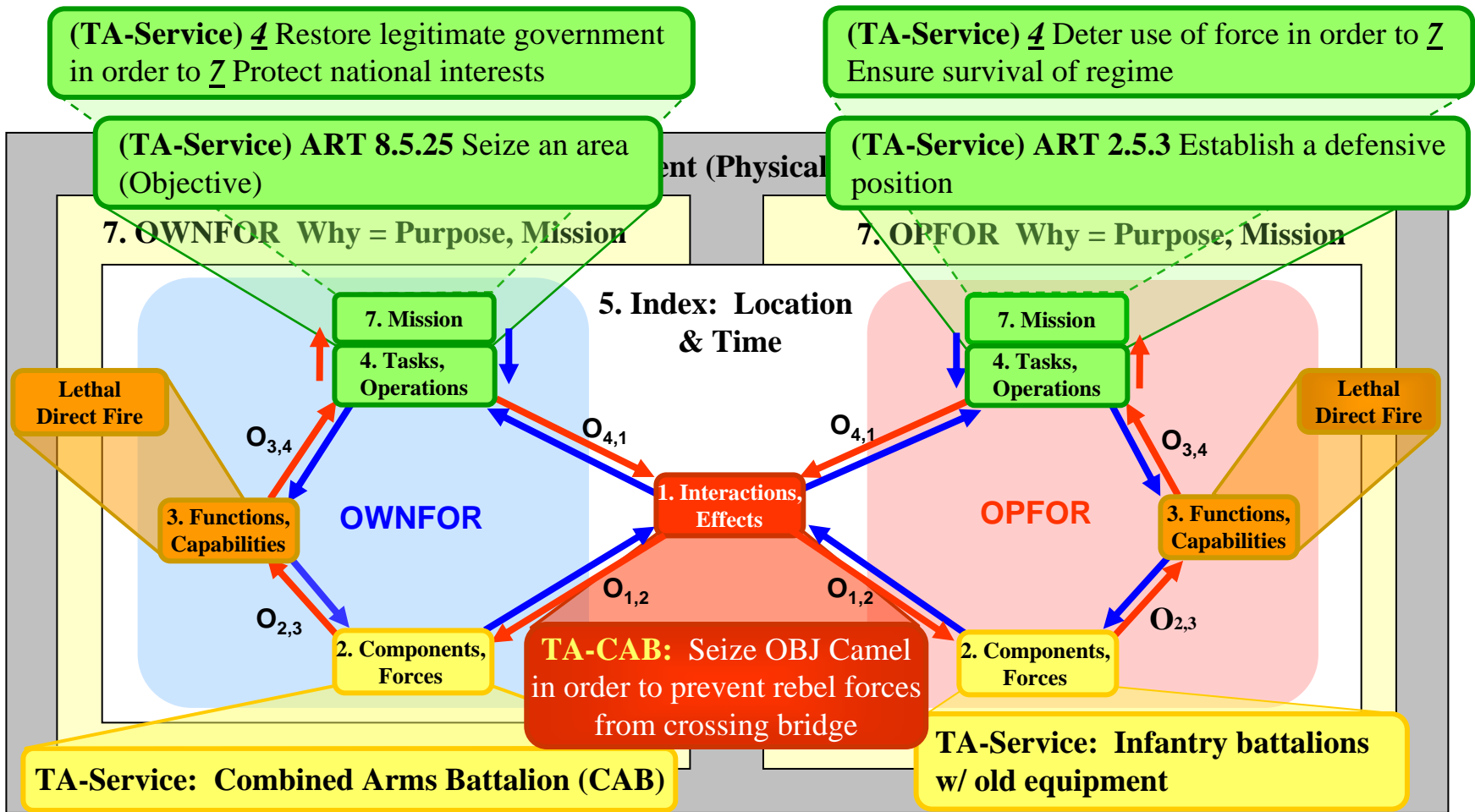
(ST) ST 1.3.6 Conduct operations in depth



MMF Layered View: TA-Joint



MMF Layered View: TA-Service



JTIMS (Operational View)

Mission: UAMBL JFLCC TE Summit III

UAMBL JFLCC TE Summit III

- Defeat rebel forces in the Area of Operations
- Eliminate WMD
- Isolate the rebel high command in Baku
 - OP 2 Provide Operational Intelligence, Surveillance, and Reconnaissance
 - Supporting Tasks
 - OP 2.1 Direct Operational Intelligence Activities
 - OP 2.2 Collect and Share Operational Information
 - OP 2.3 Process and Exploit Collected Operational Information
 - OP 2.4 Produce Operational Intelligence and Prepare Intelligence
 - OP 2.5 Disseminate and Integrate Operational Intelligence
 - Command-Linked Tasks
 - OP 3 Employ Operational Firepower
 - Supporting Tasks
 - OP 3.1 Conduct Joint Force Targeting
 - Supporting Tasks
 - OP 3.1.3 Develop Operational Targets
 - OP 3.1.4 Develop High-Payoff and High-Value Targets
 - OP 3.1.6 Conduct Operational Combat/Military Operations
 - OP 3.1.7 Employ Fire Support Coordination Measures
 - OP 3.1.8 Coordinate Immediate Targets for Two Operations
 - Command-Linked Tasks
 - OP 3.2 Attack Operational Targets
 - Supporting Tasks
 - OP 3.2.2.2 Employ Electronic Attack (EA) in the Joint Operations Area
 - OP 3.2.2.3 Employ Information Attack in the Joint Operations Area
 - OP 3.2.2.4 Conduct Nonlethal Attack on Personnel
 - OP 3.2.4 Suppress Enemy Air Defenses
 - OP 3.2.5 Interdict Operational Forces/Targets
 - OP 3.2.7 Synchronize Operational Firepower
 - Command-Linked Tasks
 - OP 5 Provide Operational Command and Control (C2)

Mission **Conditions** **Doctrine *** **Guidance** **MTAs ***

Security Classification: (U)

Name: UAMBL JFLCC TE Summit III

Code: US Army-2003-0071

Combatant Command: Joint Forces Land Component Command - JFLCC **Mo**

Last Modified: 2003-04-18 14:46:43.0

Created: 2003-04-17 15:58:27.0

*** Subordinate Command:** UE 1 **Mo**

*** OPLAN:** **Mo**

Published: U

Level:

- Primary Mission (M)
- Operation (O)
- Phase (P)
- Specified Task (S)
- Implied Task (I)

*** Description:** **Zc**

JFLCC continues the attack at H-hour to defeat rebel forces blocking access to the Baku peninsula. On seize rebel high command facility in Baku and eliminate WMD in the Area of Operations.

Apply **Reset** **Close** **Help**

JTIMS v1.4 Build 117 (Apr 10, 2003) **bbray_1**

Java Applet Window

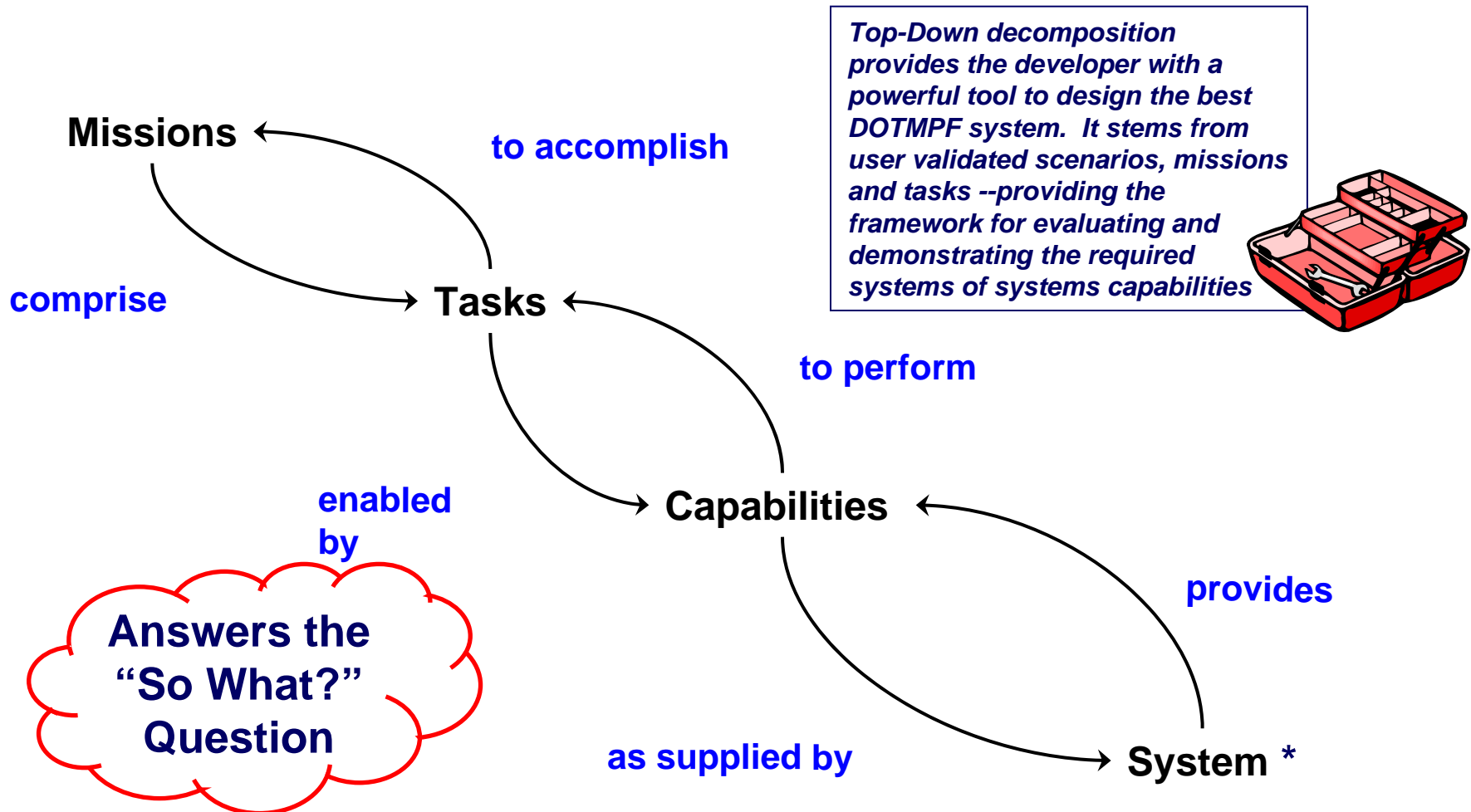
UOB DAT Task Organization

Corps Aviation Brigade

Unit ID	Unit Name	Unit	Equipment	Aircraft	Personnel	Summary
Scenario2	Corps Avn Bde					
WDU7AA	18TH AVIATIO					
WC05AA	HHC 229TH AV					
WC4SA0	1ST BATTALIO					
WC4ST0	1ST BATTALIO					
WC4SA0	1ST BATTALIO					
WC4S80	1ST BATTALIO					
WC4SC0	1ST BATTALIO					
WC4SD0	1ST BATTALIO					
WJBXAA	0229 AV BN 0					
WJBXT0	0229 AV BN 0					
WJBXA0	0229 AV BN 0					
WJBXB0	0229 AV BN 0					
WJBXC0	0229 AV BN 0					
WJBXD0	0229 AV BN 0					
WDU1AA	COMPANY C 1					
WHPCAA	1ST BN 58TH					
WHPCT0	1ST BN 58TH					
WHPCB0	1ST BN 58TH					
WHPC00	1ST BN 58TH					
WHPCD0	1ST BN 58TH					
WHPCE0	1ST BN 58TH					
WHPCF0	1ST BN 58TH					

Unit ID	Unit Name	Description	Code	Req	Auth
WC4SA0	1ST BATTALION, 229TH AVIATION, A ATTACK C	AVIATORS NIGHT VISION IMAGING SYSTEM	A06352	8	8
		ALARM: CHEMICAL AGENT AUTOMATIC M	A33020	3	3
		BAYONET-KNIFE: W/SCABBARD FOR M16	B49272	27	27
		BINOCULAR: MODULAR CONSTRUCTION	B67766	3	3
		MONITOR CHEMICAL AGENT:	C05701	2	2
		COUNTERMEASURES SET: AN/ALQ-136M	C20722	8	8
		CABLE TELEPHONE: WD-1/TT DR-8 1/2 KM	C68719	7	7
		CABLE TELEPHONE: WF-16/U	C69541	1	1
		CAMOUFLAGE SCREEN SUPPORT SYSTEM	C89070	11	11
		CAMOUFLAGE SCREEN SYSTEM: WOODL	C89145	11	11
		DETECTION SET RADAR SIGNAL: AN/APR-	D03159	8	8
		DISPENSER GENERAL PURPOSE: AIRCRAI	D20060	8	8
		DIGITAL NON-SECURE VOICE TERMINAL	D60801	1	1
		DATA TRANSFER DEVICE: AN/CYZ-10	D78555	13	13
		ELECTRONIC TEST SET: TS-4348/UV	E03826	3	3
		ELEC TRANSFER KEYING DEVICE ETKD: K	E98103	2	2
		GEN SET: DED SKID MTD 3KW 60HZ	G18358	1	1
		GUIDED MISSILE SURFACE ATTACK DUM	G95741	21	21
		GUIDED MISSILE TRAINING M36: (HELLFIR	G96350	7	7
		HELICOPTER ADVANCED ATTACK: AH-64	H28647	8	8
		IR JAMMER COUNTERMEASURES SET: AN	J01917	8	8
		LAUNCHER GRENADE 40 MILLIMETER: SG	L44595	2	2
		LAUNCHER: GUIDED MISSILE AIRCRAFT	L44830	32	32
		LAUNCHER ROCKET AIRCRAFT: 2.75 INCH	L45131	16	16
		LIGHT SET MARKER EMERGENCY: AIR FIE	L64131	2	2
		MACHINE GUN 5.56 MILLIMETER: M249	M09009	2	2
		MASK CHEMICAL BIOLOGICAL: M40	M12418	11	11
		MASK: CHEMICAL BIOLOGICAL APACHE AV	M13515	16	16
		MOUNT TRIPOD MACHINE GUN: 7.62 MILLI	M75714	2	2
		NIGHT VISION SIGHT INDIVIDUAL SERVED	N04732	2	2
		NIGHT VISION GOGGLE: AN/PVS-7B	N05482	6	6
		NAVIGATION SET SATELLITE SYSTEMS: AN	N95862	1	1
		PROGRAM LOADER RADIO SET: KY-913/Pf	P04582	2	2
		POWER SUPPLY: PP-6224/U	P40750	1	1

Missions & Means Framework implementation of JCIDS (Purdy/Donlin variant)



* System is the integrated Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel, Facilities (DOTMFPF) readiness solution

MMF Application – Key Tasks

JTF

1. Restore legitimate government
2. Achieve air superiority
3. Destroy WMD capability
4. Facilitate control of energy centers

Operational
to Tactical:
Nested Tasks

JFLCC

1. Secure capital region in Orangeland
2. Secure key oil and gas pipelines and prod facilities
3. Defeat rebel forces

UE

1. Attack to defeat rebel forces in zone
2. Conduct vertical maneuver to disrupt rebel forces
3. Secure key facilities

UA1

1. Secure key terrain vic OBJ CAMEL
2. Block enemy reinforcements from reaching capital

CAB2

1. Secure OBJ CAMEL in order to facilitate UA2 attack on OBJ BAT
2. Attack to defeat rebel forces attempting to return to capital on MSR