

GTA 19-10-007



U.S. ARMY

DOCTRINE SMARTCARD



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References

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- ADP 4-0, *Sustainment*, 31 July 2019
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- ATP 3-34.81, *Engineer Reconnaissance*, 01 March 2016
- ATP 3-60, *Targeting*, 07 May 2015
- ATP 5-0.1, *Army Design Methodology*, 01 July 2015
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- Joint Publication (JP) 3-0, *Joint Operations*, 17 January 2017

ARMY DESIGN METHODOLOGY

— ADP 5-0 —

- Frame the operational environment
 - Current state
 - Desired endstate
- Frame the problem
- Develop an operational approach
- Develop the plan/transition to the military decision-making process

OPERATIONAL FRAMEWORK

— ADP 3-0 —

- Area of operations
- Designate the deep, close, support, and consolidation areas
- Decisive, shaping, and sustaining operations
- Main and supporting efforts

MILITARY DECISION-MAKING PROCESS

— FM 6-0 —

- Receipt of mission
 - Issue warning order 1
- Mission analysis
 - Issue warning order 2
- Course of action development
- Course of action analysis
- Course of action comparison
- Course of action approval
 - Issue warning order 3
- Orders production, dissemination, and transition

MISSION ANALYSIS STEPS

— FM 6-0 —

- Analyze higher headquarters plan or order
- Perform initial intelligence preparation of the battlefield
- Determine specified, implied, and essential tasks
- Review available assets and identify resource shortfalls
- Determine constraints
- Identify critical facts and develop assumptions
- Begin risk management
- Develop initial commander's critical information requirements and essential elements of friendly information
- Develop initial information collection plan
- Update plan for the use of available time
- Develop initial themes and messages
- Develop a proposed problem statement
- Develop a proposed mission statement
- Present the mission analysis briefing
- Develop and issue initial commander's intent
- Develop and issue initial planning guidance
- Develop course of action evaluation criteria
- Issue a warning order

COURSE OF ACTION SCREENING CRITERIA

— FM 6-0 —

- Feasible
- Suitable
- Complete
- Acceptable
- Distinguishable

PRINCIPLES OF JOINT OPERATIONS

— JP 3-0 and ADP 3-90 —

- | | |
|--------------|------------------|
| Mass | Objective |
| Surprise | Offensive |
| Simplicity | Economy of force |
| Perseverance | Maneuver |
| Legitimacy | Security |
| Restraint | Unity of command |

OPERATIONAL VARIABLES

— FM 6-0 —

- Political
- Military
- Economic
- Social
- Information
- Infrastructure
- Physical environment
- Time

INTELLIGENCE PREPARATION OF THE BATTLEFIELD

— ATP 2-01.3 —

- Define the operational environment
- Describe environmental effects on operations
- Evaluate the threat
- Determine threat courses of action

COURSE OF ACTION DEVELOPMENT

— FM 6-0 —

- Assess relative combat power
- Generate options
- Array forces
- Develop a broad concept
- Assign headquarters
- Develop course of action statements and sketches
- Conduct course of action briefing
- Select or modify course of action

MINIMUM PLANNING RATIOS

— FM 6-0 —

Friendly Mission	Position	Friendly:Enemy
Delay		1:6
Defend	Prepared or Fortified	1:3
Defend	Hasty	1:2.5
Attack	Prepared or Fortified	3:1
Attack	Hasty	2.5:1
Counterattack	Flank	1:1

MISSION VARIABLES

— FM 6-0 —

- Mission
- Enemy
- Terrain and weather
 - Observations and fields of fire
 - Avenues of approach
 - Key and decisive terrain
 - Obstacles
 - Cover and concealment

OAKOC
ATP 3-34.80

- Troops and support available
- Time available
- Civil considerations

- Areas
- Structures
- Capabilities

SWEAT-MSO
ATP 3-34.81

- Sewage
- Water
- Electricity
- Academics
- Trash
- Medical
- Safety
- Other

ASCOPE
ATP 2-01.3

- Organizations
- People
- Events

COURSE OF ACTION ANALYSIS (WARGAMING)

— FM 6-0 —

- Gather tools
- List all friendly forces
- List assumptions
- List critical events and decision points
- Select wargaming method
- Select technique to record and displays results
- Wargame operations and assess results
- Conduct a wargame briefing (optional)

ROLE OF THE COMMANDER

— ADP 5-0 —

UNDERSTAND

- Operational environment
- Problem

VISUALIZE

- Desired end state
- Operational approach

DESCRIBE

the Commander's visualization in time, space, purpose, and resources.

DIRECT

forces and warfighting functions throughout preparation and execution.

LEAD AND ASSESS

CHARACTERISTICS OF OFFENSIVE OPERATIONS

— ADP 3-90 —

- Audacity
- Concentration
- Surprise
- Tempo

TYPES OF OFFENSIVE OPERATIONS

— ADP 3-90 —

- Movement to Contact
- Attack
 - Ambush
 - Counterattack
 - Demonstration
 - Feint
 - Raid
 - Spoiling attack
- Exploitation
- Pursuit

FORMS OF MANEUVER AND DEFENSE

— ADP 3-90 —

MANEUVER

- Envelopment
- Frontal Assault
- Infiltration
- Penetration
- Turning Movement

DEFENSE

- Perimeter
- Linear
- Reverse Slope

COMMAND AND SUPPORT RELATIONSHIPS

— FM 6-0 —

Joint Command

- Combatant command
- Operational control
- Tactical control
- Support (Table B-1)
 - General
 - Mutual
 - Direct
 - Close

Army Command (Table B-2)

- Organic
- Assigned
- Attached
- Operational control
- Tactical control

Army Support (Table B-3)

- Direct
- Reinforcing
- General support—reinforcing
- General support

SUSTAINING WARFIGHTING FUNCTION ELEMENTS

— ADP 4-0 —

- Logistics
- Financial management
- Personnel services
- Health service support

CHARACTERISTICS OF DEFENSE OPERATIONS

— ADP 3-90 —

- Disruption
- Flexibility
- Maneuver
- Mass and concentration
- Operations in depth
- Preparation
- Security

TYPES OF DEFENSIVE OPERATIONS

— ADP 3-90 —

- Area defense
- Mobile defense
- Retrograde

ARMY'S PROBLEM SOLVING PROCESS

— FM 6-0 —

- Gather information and knowledge
- Identify the problem
- Develop criteria
- Generate possible solutions
- Analyze possible solutions
- Compare possible solutions
- Make and implement the decision

TROOP LEADING PROCEDURES

— FM 6-0 —

1. Receive the mission
2. Issue warning order
3. Make a tentative plan
4. Initiate movement
5. Conduct reconnaissance
6. Complete the plan
7. Issue the order
8. Supervise and refine

RISK MANAGEMENT

— ATP 5-19 —

1. Identify hazards
2. Assess hazards
3. Develop controls and make risk decisions
4. Implement controls
5. Supervise and evaluate

TACTICAL MISSION TASKS

— ADP 3-90 —

- | | |
|------------------------|------------|
| Attack by Fire | Block |
| Breach | Canalize |
| Bypass | Contain |
| Clear | Defeat |
| Control | Destroy |
| Counter-reconnaissance | Disrupt |
| Disengagement | Fix |
| Exfiltrate | Isolate |
| Follow and Assume | Neutralize |
| Follow and Support | Suppress |
| Occupy | Turn |
| Retain | Ambush |
| Secure | Interdict |
| Seize | Reduce |
| Support by Fire | |

STABILITY OPERATIONS TASKS

— ADP 3-0 —

- Civil security
- Civil control
- Restore essential services
- Support to governance
- Support economic and infrastructure development
- Conduct security cooperation

PROTECTION WARFIGHTING FUNCTION TASKS

— ADP 3-37 —

- Survivability operations
- Force health protection
- Chemical, biological, radiological, and nuclear operations
- Explosive ordnance disposal support
- Air and missile defense
- Personnel recovery
- Detention operations
- Risk management
- Physical security
- Antiterrorism measures
- Police operations
- Populace and resource control
- Area security
- Cyberspace security and defense
- Electromagnetic protection
- Operation security

TARGETING DESIRED EFFECTS

— ATP 3-60 —

- | | |
|----------------|--------------|
| Deceive | Defeat |
| Degrade | Delay |
| Deny | Destroy |
| Destruction | Disrupt |
| Divert | Exploitation |
| Interdict | Neutralize |
| Neutralization | Suppress |

ENABLING OPERATIONS

— ADP 3-90 —

Reconnaissance

- Area
- Reconnaissance in force
- Route
- Special
- Zone

Security

- Screen
- Guard
- Cover
- Area

Troop Movement

- Administrative
- Approach march
- Tactical road march

Relief in Place

- Sequential
- Simultaneous
- Staggered

Passage of Lines

- Forward
- Rearward

TARGETING METHODOLOGY

— ATP 3-60 —

- Decide
- Detect
- Deliver effects
- Assess effects