

GTA 19-10-007



U.S. ARMY

# DOCTRINE SMARTCARD



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## References

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- ADP 3-37, *Protection*, 31 July 2019
- ADP 4-0, *Sustainment*, 31 July 2019
- ADP 5-0, *The Operations Process*, 31 July 2019
- ADP 3-90, *Offense and Defense*, 31 July 2019
- Army Techniques Publication (ATP) 2-01.3, *Intelligence Preparation of the Battlefield*, 01 March 2019
- ATP 3-34.80, *Geospatial Engineering*, 22 February 2017
- 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
- ATP 5-19, *Risk Management*, 14 April 2014
- Field Manual (FM) 6-0, *Commander and Staff Organization and Operations*, 05 May 2014
- 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 THE OFFENSE

### — 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

## CHARACTERISTICS OF THE DEFENSE

### — 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

## SUSTAINING WARFIGHTING FUNCTION ELEMENTS

### — ADP 4-0 —

- |                                |                                 |
|--------------------------------|---------------------------------|
| ■ <b>Logistics</b>             | ■ <b>Personnel services</b>     |
| ■ Maintenance                  | ■ Human Resources Support       |
| ■ Transportation               | ■ Legal Support                 |
| ■ Supply                       | ■ Religious Support             |
| ■ Field Services               | ■ Army Band Operations          |
| ■ Distribution                 |                                 |
| ■ Operational Contract Support |                                 |
| ■ General Engineering Support  | ■ <b>Health service support</b> |
|                                | ■ Casualty Care                 |
|                                | ■ Medical Evacuation            |
| ■ <b>Financial Management</b>  | ■ <b>Medial Logistics</b>       |
| ■ Finance Operations           |                                 |
| ■ Resource Management          |                                 |

## 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

## 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

## 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

## TARGETING DESIRED EFFECTS

### — ATP 3-60 —

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