

Summary Report for Individual Task
150-IPO-0009
Produce a Combined Information Overlay
Status: Approved

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD5 - This product/publication has been reviewed by the product developers in coordination with the Fort Leavenworth, KS foreign disclosure authority. This product is releasable to students from all requesting foreign countries without restrictions.

Condition: The staff is in the Mission Analysis phase of MDMP. The G-2 (S-2) is developing the initial Intelligence Preparation of the Battlefield (IPB) from higher headquarters IPB, running estimates and OPLAN or OPORD. Both classified and unclassified information on the cognitive, physical, and informational dimensions of the information environment, that include technical and military aspects of the area of operations is on hand from reachback capabilities, intelligence sources, and other organizations. Some iterations of this task should be performed in MOPP 4.

Standard: Produce a combined information overlay (CIO) that provides a visualization of threat information related courses of action, identified threat capabilities, vulnerabilities, use of information (media, video, ad, etc.), and the information flow within the information environment of the unit's area of operations.

Special Condition: Not all units have an information operations officer (Functional Area (FA) 30) assigned. Any member assigned the duties of G-3 (S-3) information operations may use this task to produce a combined information overlay.

Safety Risk: Low

MOPP 4: Sometimes

Task Statements

Cue: Staff begins working on Mission Analysis and G-2 (S-2) starts working on Intelligence Preparation of the Battlefield.

DANGER

None

WARNING

None

CAUTION

None

Remarks: None

Notes: None

Performance Steps

1. Identify key characteristics of the information environment(IE).
 - a. Review the commander's guidance, intent, desired end state and concept of operations.
 - b. Graphically identify the area of operations,area of interest and area of influence.
 - c. Describe the dimensions of the information environment in terms of the operational variables, mission variables, and ASCOPE that most affect attainment of the desired end state.
 - d. Create an information overlay that depicts an identified characteristic; includes but not limited to communications networks and nodes, key beliefs, media and non-state actors; in relation to the geographic boundaries of the area of operations
 - e. Determine the impact of each identified characteristic in the operational environment.
2. Describe the information environment's affects on operations.
 - a. Determine the effects of the significant characteristics of the information environment on military information operations.
 - b. Graphically depict threat features in the physical dimension (print media, radio stations, etc.)
 - c. Graphically represent threat features in the informational dimension (information flow into and throughout the region, Web access, literacy).
 - d. Graphically show threat features in the cognitive dimension (class distinctions, tribal systems, religion, public opinions, etc.).
 - e. Identify risks and opportunity to military operations based on the informational effects.
3. Evaluate the threat's information situation.
 - a. Conduct center of gravity analysis of threat information systems and communications in the operational environment.
 - b. Create Models of doctrinal or historical composition of the threats information systems and assets.
 - c. Create threat decisonmaking template.
 - (1) Who is the cognitive decision maker?
 - (2) What nodes and links does the organization use to exchange information?
 - d. Creat an information infrastructure template depicting what means an organization uses to exchange information.
 - e. Create an information tactics template showing threat employment of information assets.
4. Create an information situation template in support of the G-2 (S-2) selected threat courses of action
 - a. Determine threat actions in the information environment.
 - b. Where, when,and why will the threat employ its information systems.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: The combined information overlay shows:

Threat courses of action.

Identified threat information related capabilities.

Identified threat information related vulnerabilities.

Information outlets and means (how information is present to the masses and targeted audiences).

Threat information flow into, within, and out of the information environment in the units area of operations.

Affects of the information environment on military operations.

Evaluation Preparation: The information operations officer collaborates with the G-2 (S-2) section in the co-production of the IPB and CIO.

An initial IPB product should be provided to the developer of the CIO.

Reachback capabilities information containing technical and military information warfare, information outlets, means and flow should be provided.

Information on threat abilities to use information against the operation.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Identified the key characteristics of the information environment(IE).			
a. Performed initial assessment and captured the flow of information in regards to physical nodes, informational conduits and cognitive decision makers.			
b. Employed mission and operational variables and ASCOPE in analyzing the information environment.			
2. Described information environment affects on the area of operations.			
a. Describe information environment affects on military operations.			
b. Graphically showed how threat information flows from physical/informational/cognitive dimension of the information environment.			
c. Identified risks and opportunities to military operations based on the informational affects.			
3. Evaluated the threat's information situation.			
a. Conducted center of gravity analysis of threat information systems and communications in the operational environment.			
b. Identified priority friendly force information requirements (FFIR) for information-related capabilities.			
c. Determined threat vulnerabilities and critical requirements in regards to information-related capabilities.			
d. Created models of the threat information systems and assets based on threat doctrine or historical composition.			
e. Determined information capabilities available to threat forces.			
4. Created an information situation template in support of the G-2 (S-2) selected threat courses of action.			
a. Provided the G-2 (S-2) an information situation template for each threat course of action			
b. Nominated initial information operations related Priority Information Requirement (PIR).			
c. Nominated high value targets and high payoff targets for further development.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ATP 2-01.3	Intelligence Preparation of the Battlefield/Battlespace (Including change 1)	No	No
	FM 6-0	COMMANDER AND STAFF ORGANIZATION AND OPERATIONS	No	No

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination.

Prerequisite Individual Tasks :

Task Number	Title	Proponent	Status
150-IPO-0003	Integrate Information Operations (synchronized IRC) into the Military Decision Making Process.	150 - Combined Arms (Individual)	Approved
150-IPO-0008	Conduct Assessment of Information Operations	150 - Combined Arms (Individual)	Approved

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
150-MC-2210	Provide Input for Intelligence Preparation of the Battlefield	150 - Combined Arms (Individual)	Approved
150-MC-5144	Develop a Running Estimate	150 - Combined Arms (Individual)	Approved
150-MC-5113	Recommend the Commander's Critical Information Requirements	150 - Combined Arms (Individual)	Approved
150-MC-5111	Conduct the Military Decisionmaking Process	150 - Combined Arms (Individual)	Approved

Supported Individual Tasks :

Task Number	Title	Proponent	Status
150-IPO-0005	Analyze the Information Environment	150 - Combined Arms (Individual)	Approved
150-IPO-0006	Develop Information Requirements for Information Operations	150 - Combined Arms (Individual)	Approved

Supported Collective Tasks : None

ICTL Data :

ICTL Title	Personnel Type	MOS Data
Information Operations Individual Critical Task List	Officer	AOC: 30A