

**INFORMATION OPERATIONS (IO)**

Mode: Seminar/Lecture

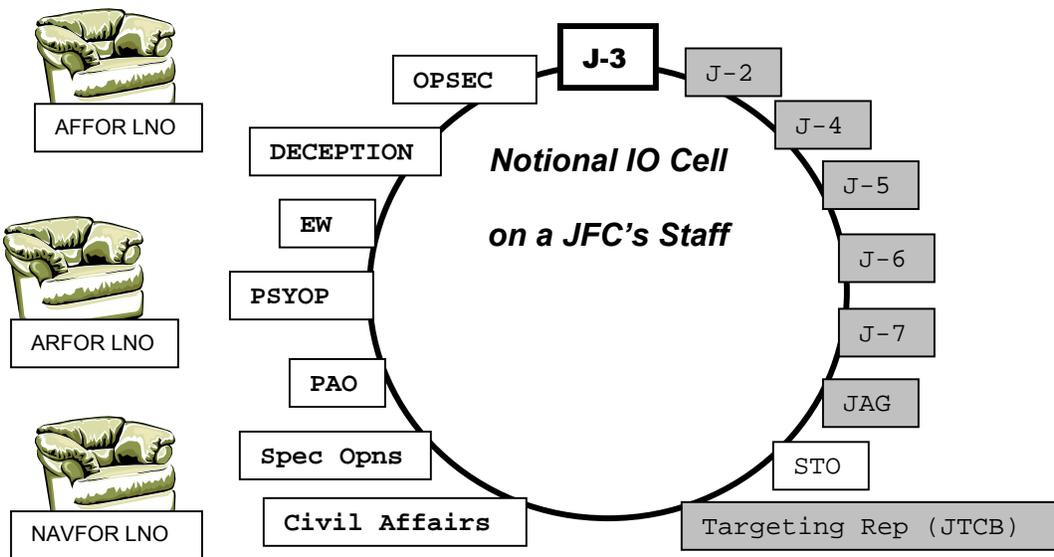
Lesson No. 4-25-S/L (C)

1. Introduction.

a. JV2020 states that the transformation of the joint force to reach full spectrum dominance rests upon information superiority as a key enabler. The condition, or environment, of Information Superiority is achieved through the conduct of Information Operations, which includes both defensive and offensive operations.

b. This lesson introduces the joint and service IO doctrine and the capabilities of joint and service IO organizations.

c. Prior to the lesson, your FI will form the seminar into selected positions within a notional Joint IO Cell (as below). Your readings are tailored to the position you are assigned.



d. The seminar will first discuss what each service can bring to the Joint IO effort. Service LNOs will lead the discussion. IO Capabilities (e.g. PSYOP, deception, etc.) will then follow from those students.

e. Time permitting, the seminar will then move their analysis to the strategic level and discuss the use of

International Public Information (IPI) and the interagency effort required to conduct IO at the strategic level.

f. At the conclusion of the IPI analysis, and NLT 0920, the seminar will depart for their respective lecture hall (US students into Bliss Auditorium, and the IFs into WWA).

## 2. Learning Objectives.

a. Comprehend Information Superiority through an analysis of portions of JV2020 and the JP 3-13, Doctrine on Joint Information Operations.

b. Comprehend the Service Components' IO doctrine and organizations. Analyze the differences in their mission and capabilities.

c. Analyze the concept of International Public Information.

d. Analyze computer network attack/defense and our own (U.S.) information infrastructure vulnerabilities.

e. Comprehend our standing joint task force for computer network operations (JTF-CNO).

## 3. Student Requirements.

### a. Tasks.

(1) Complete assigned readings in preparation for the UNCLASSIFIED seminar discussion.

(2) Be prepared to give a 2-minute summary of your assigned role on the notional IO Cell (see FI assignment sheet).

(3) Discuss our Joint and service IO doctrine and organizations, and International Public Information.

b. Required Readings (also reference your FI's lesson assignment sheet).

(1) Chairman, Joint Chiefs of Staff. Joint Pub 3-13, Joint Doctrine for Information Operations, 9 October 1998. Read the "Executive Summary," pp. vii-x, and Chapter I, "Introduction," pp. I-1 to I-5, and I-9 to I-19. Read Chapter IV, "Information Operations Organization," pp. IV-1 to IV-7 (up to para. 3). Scan remaining chapters and the Glossary of Terms. (Student Issue)

(2) Chairman, Joint Chiefs of Staff. Joint Pub 3-0, Doctrine for Joint Operations, 10 September 2001. Read pp. III-37 (start at "Information Operations") to end of pp. III-41. (Student Issue)

(3) Army War College Information Operations Primer. Read those portions relevant to both your service and your IO Cell position (per lesson assignment sheet from your FI). Scan the remainder of the Primer. Implementing National Military Strategy, Course 4, CD-ROM.

(4) Presidential Decision Directive (PDD)-68. International Public Information. Summary and Directive. (Course 4 Selected Readings, AY02, Implementing National Military Strategy)

c. Suggested Readings.

(1) Summary of the President's Commission on Critical Infrastructure Protection (PCCIP). Available at website, <http://www.ciao.gov/PCCIP/index.htm>. Read the web page at this location for a concise summary of the PCCIP.

(2) PCCIP Report, "Critical Foundations." Available at the website: [http://www.ciao.gov/PCCIP/report\\_index.htm](http://www.ciao.gov/PCCIP/report_index.htm).

(3) GAO Report: "DOD Information Security-Serious Weaknesses Continue to Place Defense Operations at Risk." August 1999, GAO/AIMD-99-107. Go to website: <http://www.gao.gov/> Click on the link, "GAO Reports," then again on "Find GAO Reports." On the search page, enter "AIMD-99-107" as the report number and hit "Go."

(4) GAO Report: "DOD Information Security - Challenges to Improving DOD's Incident Response Capabilities." March 2001, GAO/AIMD-01-341. Go to website: <http://www.gao.gov/>. See instructions above. Enter "GAO-01-341" into the search engine.

4. Points to Consider.

a. In JV2020, what are the relationships between the Operational Concepts and Information Superiority? Do you agree that "Decision Superiority" is the real key in the future?

b. What are the differences between such terms as Information Superiority, Information Operations, Information Warfare, Command & Control Warfare, and Information Assurance?

c. What does our joint doctrine say about the use of IO in planning and executing joint operations? Do you agree with that doctrine? Why or why not?

d. What are the joint organizations that can assist the JFC in planning IO?

e. What is the purpose of the IO Cell?

f. How do the services integrate IO into their respective doctrine? What service organizations exist for IO support?

g. What is the intent of International Public Information?

h. In the growing interdependence between our civilian infrastructure and our DoD capabilities, how do we ensure that the non-DoD "providers" within the commercial sector are taking proper measures to defend against an information attack?

5. Relationship to Professional Joint Education (PJE) Learning Areas.

- a. PJE LA 1.a. Points To Consider, Lecture, Readings
- b. PJE LA 3.a. Points to Consider, Lecture, Readings
- c. PJE LA 4.b. Objectives, Points to Consider, Readings,
- d. PJE LA 4.c. Lecture, Points to Consider
- e. PJE LA 4.e. Objectives, Readings, Points to Consider
- f. PJE LA 5.a. Objectives, Readings
- g. PJE LA 5.d. Objectives, Points to Consider, Readings,
- h. PJE LA 6.a. Lecture, Points to Consider, Readings,
- i. PJE LA 6.b. Objectives, Points to Consider, Readings,

6. Relationship to USAWC Institutional Learning Objectives (ILOs), Enduring, and Special Themes.

- a. ILOs: 3, 4, and 7
- b. Enduring Themes: Jointness, Strategic Vision
- c. Special Themes: a, d, and e