CYBER DEFENSE OPERATIONAL INTEGRATION

RESIDENT: N/A   **MOBILE: P309538**   **CERTIFICATION: PME, RDFP**

This course equips participants with the skills needed to advocate for, plan, and integrate Defensive Cyber Operations (DCO) at the operational level of war using current operational doctrine and existing planning and execution processes. Participants will examine how cyber forces, cyber intelligence, and sensor grid data are integrated to create a whole-of-ministry cyber mission assurance solution. They will then evaluate its role in national defense strategy across the joint, multi-domain, and combined operations levels.

OBJECTIVES

Upon conclusion of this course, participants will be able to:

♦ Describe how cyber defense contributes to a commander's mission objectives.
♦ Understand how cyber common operational picture ("See" construct) influences the commander's ability to order planning and response operations ("Decide" construct) with available forces, practices, and systems ("Do" construct).
♦ Describe how DCOs are employed across the phases of operations in time, space, and purpose.
♦ Advise commanders and staff on how cyber considerations can shape joint combat multi-domain operations.
♦ Explain the planning considerations associated with DCO.
♦ Explain the need to integrate DCO into traditional operation planning processes.

TOPICS

DCO topics include discussions about outmaneuvering adversaries who are taking or preparing to take offensive actions against defended networks; responding to internal and external cyberspace threats; DCO planning considerations; and DCO in joint operations. The course is conducted via lectures, discussions, group work, and case studies. Course topics may include:

♦ Cyber operations integration across cyber commands, network operations centers, security operations centers, national Computer Emergency Response Team (CERT), inter-ministry, and domestic public/private capabilities
♦ Understanding cyber as a warfighting domain
♦ Cyber threats, vulnerabilities, and defensive responses
♦ Global and regional cyber considerations
♦ Developing cyber plans and orders
♦ Multi-domain operations tabletop exercise

PARTICIPANTS

The course is designed for planners and advisors supporting senior leader in cyber strategy and planning, including those from Ministries of Defense, Intelligence, and Foreign Affairs, as well as signals, and chief information officers, national CERT teams, and communications sectors.

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INSTITUTE FOR SECURITY GOVERNANCE (ISG) EDUCATION PORTFOLIOS

ISG's tailored education and professional development courses help build a comprehensive knowledge base and strengthen partner capacities to confront complex security and defense challenges. Courses are designed to cultivate individual understanding of complex issues; foster peer-to-peer learning; and build international communities of practice.

- SECURITY GOVERNANCE & CIVIL-MILITARY RELATIONS (SG/CMR)
- CYBER CAPABILITY (CYBER)
- EMERGENCY MANAGEMENT & RESILIENCE (EM&R)
- INT'L DEFENSE ACQUISITION RESOURCE MANAGEMENT (IDARM)
- LOGISTICS CAPABILITY BUILDING (LCB)
- MARITIME SECURITY (MARSEC)
- PEACEKEEPING, CONFLICT, & TERRORISM (PCT)

FACULTY

ISG's faculty team is grounded in professional experience from academic, military, government, and civil sectors. The core faculty are augmented by experts drawn from other parts of government, and U.S. and international subject matter experts drawn from universities, industry, think tanks, international organizations, and non-governmental organizations.

ENROLLMENT

Courses are conducted as part of the U.S. Government's Security Cooperation efforts. Interested partner nation personnel should contact their government's international cooperation section, or the relevant U.S. Embassy's Security Cooperation organization for selection processes and enrollment. Interested U.S. citizens may contact ISG to discuss availability.

FUNDING

Educational programs are primarily implemented through Title 22 authorized programs, including International Military Education and Training (IMET), Foreign Military Sales (FMS), Peacekeeping Operations (PKO), and various Title 10 authorized programs, including the Maritime Security Initiative (MSI) and Regional Defense Fellowship Program (RDFP).

ABOUT ISG

The Defense Security Cooperation University's (DSCU) Institute for Security Governance (ISG) is the Department of Defense's leading implementer for Institutional Capacity Building (ICB) and one of its primary international schoolhouses. As a component of the Defense Security Cooperation Agency (DSCA), ISG is charged with building partner institutional capacity and capability through tailored advising, education, and professional development programs grounded in American values and approaches.