Critical Infrastructure Cybersecurity Workshop Part II
and Policy Tabletop Discussion
Implementation of Best Practices for Critical Infrastructure Cyber Defense in the Indo-Pacific Region

Syllabus and Information Guide

Purpose

To bring together personnel from the U.S. government, industry, and Allies and Partners within the Indo-Pacific region to improve the cybersecurity posture, understanding of policies, laws, and authorities affecting critical infrastructure, share lessons learned, and determine a future path forward.

Logistical Information

When: October 28 – November 1, 2024

Where: Hale Koa Hotel, Honolulu, Hawaii

Classification: Unclassified

Hosts: The Office of the Under Secretary of Defense for Acquisition and Sustainment Cyber Warfare Directorate, U.S. Indo-Pacific Command Requirements and Resources Directorate, and U.S. Cyber Command Joint Force Headquarters - Department of Defense Information Network

Guest Speakers: Representatives from the U.S., European and Indo-Pacific Allies and Partners, U.S. Department of Defense, U.S. Department of Energy National Laboratories, U.S. Department of Commerce, U.S. Department of Homeland Security, U.S. Department of Transportation, Federally Funded Research and Development Centers, University Affiliated Research Centers, and Industry Partners

Goals

- Improve relationships with key stakeholders operating in government and industry who have interest in defending critical infrastructure from cyber espionage and attacks.
- Expose Indo-Pacific allies and partners to the framework of the North Atlantic Treaty Organization's (NATO) largest and most successful cyber-training exercise.
- Foster cooperation with allies and partners to improve cyber resiliency in a high-paced multi-national crisis.
- Explore advantages and limitations of policies, laws, and authorities, relevant to cybersecurity.
- Strengthen trust amongst the cybersecurity community by sharing best practices and experiences.

Procedures/Guidance

To ask a question, please raise your hand and an usher will bring you a microphone.

Themes and Relationships
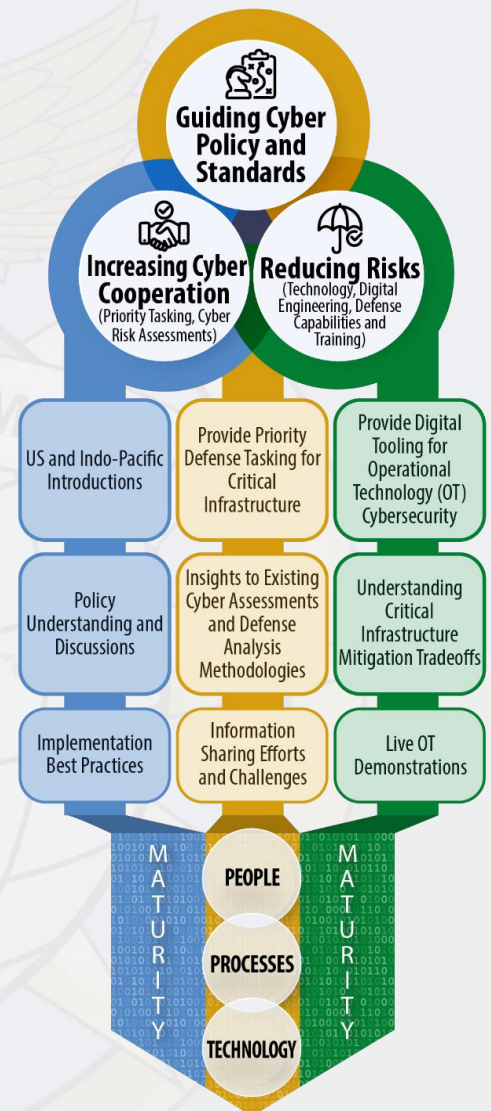
Critical Infrastructure Cybersecurity Workshop Part II and Policy Tabletop Discussion Agenda

Implementation of Best Practices for Critical Infrastructure Cyber Defense in the Indo-Pacific Region

Hale Koa Hotel, Honolulu, Hawaii   **October 28 – November 1, 2024**

Day One: Monday, October 28, 2024
Themes: Cyber Policy, Standards, and Guidance

NIST CSF Functions	Govern	Identify	Protect	Detect	Respond	Recover

Time (HST)	Events	Speakers
08:00-09:00	**Arrive at the Hale Koa**	
09:00-09:20	**Welcome and Opening Remarks by Sponsors**	Mr. Ross Roley (USINDOPACOM/J8), Mr. Ken Wang (OUSD(A&S)), Mr. Michael Esposito (JFHQ-DODIN)
09:20-09:50	**Joint Keynote**	Mr. Paul Nicholson (Executive Director and Deputy Chief Information Officer, USINDOPACOM/J6), Mr. John Garstka (Cyber Warfare Director, OUSD(A&S))
09:50-10:00	**Break**	
10:00-10:30	[Govern][Identify][Protect] Mission Stack and Cyber Maturity Model Discussion	Mr. Ken Wang (OUSD(A&S))
10:30-11:00	[Identify][Protect][Detect] Observed Critical Infrastructure Cyber Threats in the Indo-Pacific Region	Mr. Chris Sledjeski, Mr. Max Camp (MITRE)
11:00-11:50	**Panel Discussion** Indo-Pacific Allies and Partners Perspectives: Critical Infrastructure Cybersecurity Challenges and Solutions from the Indo-Pacific	**Panelists:** Representatives from the Indo-Pacific states **Hosted by:** Mr. Ken Wang (OUSD(A&S)) Mr. Ross Roley (USINDOPACOM/J8)
11:50-12:00	**Team Picture**	USINDOPACOM Public Affairs
12:00-13:00	**Hosted Buffet Lunch in the DeRussy Hall and Foyer**	
13:00-13:30	[Protect][Detect] Delivering Cyber Excellence Globally: DoD Cyber Crime Center (DC3)	Mr. Lam Nguyen (DoD Cyber Crime Center)
13:30-14:15	[Govern] Department of Defense Chief Information Officer Cybersecurity Program for Control Systems Updates	Mr. Jeffery Eyink (DoD CIO)
14:15-14:30	**Break**	
14:30-14:50	[Govern][Identify][Protect][Detect][Respond][Recover] Leveraging the National Institute for Standards and Technology (NIST) Cybersecurity Framework (CSF) v2.0	Ms. Amy Mahn (NIST)
14:50-15:10	[Govern] Lessons Learned in Applying the National Institute for Standards and Technology (NIST) Special Publication 800-82	Ms. Stephanie Saravia (OUSD(A&S))
15:10-15:40	[Protect][Detect] Control Systems Cyber Hardening Challenges and Best Practice Guidance	Mr. Larry Grate (OUSD(A&S))
15:40-16:30	[Govern] **Policy Discussion** Building Strategic Cyber Resilience with Allies and Partners	Ms. Olena Roraff (OUSD(A&S))
16:30	**Closing Remarks**	Mr. Ross Roley (USINDOPACOM/J8) Mr. Ken Wang (OUSD(A&S))
17:00-18:00	****Welcome Reception in DeRussy Hall and Foyer**	Sponsored by TechConnect

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Implementation of Best Practices for Critical Infrastructure Cyber Defense in the Indo-Pacific Region

Hale Koa Hotel, Honolulu, Hawaii   **October 28 – November 1, 2024**

Day Two: Tuesday, October 29, 2024
Themes: Priority Tasking, Cyber Risk Assessments, Increasing Cyber Cooperation

NIST CSF Functions	Govern	Identify	Protect	Detect	Respond	Recover

Time (HST)	Events	Speakers
08:00-08:50	Arrive at the Hale Koa	
08:50-09:00	Welcome and Opening Remarks	Dr. George Ka'iliwai III (USINDOPACOM/J8)
	[Govern]	
09:00-09:30	Operational Technology Cyber Hardening of Security Devices in Schiphol Airport	Mr. Ron Wever (Schiphol Airport, Netherlands)
09:30-10:00	Networking Session	
	[Govern]	
10:00-10:25	More Situational Awareness for Industrial Control Systems Framework Introduction, History, and Overview	Mr. Richard Scalco, Dr. Aleksandra Scalco (NIWC)
	[Identify] [Protect] [Detect]	
10:25-10:45	More Situational Awareness for Industrial Control Systems Framework Block One	Mr. Alex Beall (JHU-APL)
10:45-11:30	**Panel Discussion** Priority Tasking for Improving Cyber Defense for Critical Infrastructure	**Panelists:** Representatives from OUSD(A&S), DOD CIO, US Military Departments, and NSA **Hosted By:** Ms. Jen Rocha (TechConnect)
	[Identify] [Protect]	
11:30-12:00	Using Suite of Tools for the Analysis of Risk (STAR) for Critical Infrastructure Functional Risk Assessments at the National Scale	Mr. Robert Greer (DHS/CISA)
12:00-13:00	**Hosted Buffet Lunch in the DeRussy Hall and Foyer**	
	[Govern] [Identify]	
13:00-13:30	Critical Infrastructure Cyber Risk Assessment Best Practices and Lessons Learned	Mr. Zack Ankuda (OUSD(A&S))
	[Detect] [Respond]	
13:30-14:00	Best Practices for Incorporating Cyber-Physical Situational Awareness for Critical Infrastructure Systems	Dr. Shamina Hossain-McKenzie (DOE/SNL)
14:00-14:15	Break	
	[Govern]	
14:15-14:45	NIST CSF v2.0 and Facility Related Control Systems Cybersecurity	Ms. Sandra Kline (OUSD(A&S))
	[Identify]	
14:45-15:15	Live-Fire Resilience Exercise for DOD Facility-Related Control Systems	Mr. Matthew Backes (MIT-LL), Ms. Sandra Kline (OUSD(A&S))
15:15-15:25	Break	
	[Protect] [Respond] [Recover]	
15:25-15:50	How to Leverage High Adversary Tier Threat Response Interdicting Cyber Kill Chain (HAT TRICK) for Measuring Resilience to Cyberspace Threat Events	Mr. Jack Jurgensen (JHU-APL)
	[Govern] [Identify] [Detect]	
15:50-16:15	Addressing Operational Technology (OT) Threat and Information Sharing Challenges with Use of Open Cyber Threat Intelligence (CTI) Platform	Mr. Timothy O'Neil (MITRE)
16:15-17:00	**Panel Discussion** Security and Information Sharing Challenges for Defending Critical Infrastructure from Cyber Threats	**Panelists:** Representatives from US Military Departments, FAA, Indo-Pacific Region **Hosted By:** Mr. Ross Roley (USINDOPACOM/J8)
17:00	**Closing Remarks**	Mr. Ross Roley (USINDOPACOM/J8) Mr. Ken Wang (OUSD(A&S))
18:00-19:00	**No Host Social:** Barefoot Bar, Hale Koa Hotel	Optional

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Implementation of Best Practices for Critical Infrastructure Cyber Defense in the Indo-Pacific Region

Hale Koa Hotel, Honolulu, Hawaii **October 28 – November 1, 2024**

Day Three: Wednesday, October 30, 2024

Themes: Technology, Digital Engineering, Defense Capabilities and Training for Reducing Risks

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Time (HST)	Events	Speakers
08:00-08:50	**Arrive at the Hale Koa**	
08:50-09:00	**Welcome and Opening Remarks**	Mr. Ross Roley (USINDOPACOM/J8), Mr. Ken Wang (OUSD(A&S))
09:00-09:30	Insights from Defense Acquisition University (DAU) Operational Technology (OT) Cyber Range and Cybersecurity Training Program	Mr. Roy Wilson (DAU)
09:30-10:00	Installation Critical Infrastructure Cybersecurity Implementation Testimonies	Mr. Brian Church (USMC)
10:00-11:00	**Panel Discussion** Industry Partner Testimonies and Challenges for Supporting Government and Utilities with Critical Infrastructure Security Technologies	**Panelists:** Representatives from U.S. Industry **Hosted By:** Mr. Daryl Haegley (DAF)
11:00-11:10	**Break**	
11:10-11:45	Implementing Block I-A of the More Situational Awareness for Industrial Control Systems (MOSAICS) Framework	Mr. Alex Beall (JHU-APL)
11:45-12:00	Leveraging Integrated Defensive Cyberspace System (IDCS) for Control Systems	Mr. Josh Love (PACAF), Mr. Irving Brace, Mr. Robert Bartnicki, Mr. Jim Robison (AFLCMC)
12:00-13:00	**Hosted Buffet Lunch in the DeRussy Hall and Foyer**	
13:00-13:30	Leveraging Defined Mitigations in Adversary Tactics, Techniques, and Common Knowledge (ATT&CK) for Industrial Control Systems (ICS) to Reduce Cyber Risk	Mr. Adam Hahn, Mr. Jake Steele (MITRE)
13:30-13:55	Mission Modeling and System Engineering Critical Infrastructure Dependencies using Dagger	Ms. Jacqueline Soenneker, Mr. James Curbo (JHU-APL)
13:55-14:20	Shift the Cybersecurity Paradigm for non-Information Technology Systems	Mr. Mario Zuniga (MITRE)
14:20-14:30	**Break**	
14:30-15:00	Using Malcolm to Verify Cyber Implementation Best Practices	Mr. Seth Grover (DOE/INL)
15:00-15:30	Applying Moving Target Defense (MTD) to Critical Infrastructure and Supporting Operational Technology	Dr. Chris Jenkins (DOE/SNL)
15:30-16:00	**Operational Technology Demonstration** Live Demonstration of Operational Technology Process and Attacks Mapped to the MITRE ATT&CK Knowledge Base	Mr. Larry Grate (OUSD(A&S))
16:00-17:00	**Panel Discussion** Strategies of Consideration that Factor into Mitigating or Replacing Equipment for Critical Infrastructure Cybersecurity	**Panelists:** Representatives from OUSD(A&S), the US Military Departments, and Indo-Pacific Region **Hosted By:** Ross Roley (USINDOPACOM/J8)
17:00	**Closing Remarks and Workshop Wrap Up**	Mr. Ross Roley (USINDOPACOM J8) Mr. Ken Wang (OUSD(A&S))

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Implementation of Best Practices for Critical Infrastructure Cyber Defense in the Indo-Pacific Region

Hale Koa Hotel, Honolulu, Hawaii   **October 28 – November 1, 2024**

Day Four: Thursday, October 31, 2024
Themes: Policy and Processes for Cyber Defense and Cooperation
USCYBERCOM Joint Force Headquarters - Department of Defense Information Network Policy Tabletop

Time (HST)	Events	Speakers
08:00-08:30	**Arrive at the Hale Koa**	
08:30-08:45	**Opening Remarks**	Mr. Wendell "Dell" Foster (Executive Director, JFHQ-DODIN)
08:45-09:15	United States Cyber Command's Joint Force Headquarters – Department of Defense Information Network (JFHQ-DODIN)	Mr. Wendell "Dell" Foster (Executive Director, JFHQ-DODIN)
09:15-09:30	**Break**	
09:30-09:50	LOCKED SHIELDS Overview and Tabletop Discussion	Major William Keber (US Army)
09:50-10:00	Rules for Discussion Sessions	Major William Keber (US Army)
10:00-11:15	**Topic One** Law-Regulation-Policy	Group Leads
11:15-11:30	**Break**	
11:30-12:00	**Group Presentations** Topic One: Law-Regulation-Policy	Mr. Michael Esposito (JFHQ-DODIN)
12:00-13:00	**Hosted Buffet Lunch in the DeRussy Hall and Foyer**	
13:00-14:00	**Panel Discussion** Women in Cyber	
14:00-15:15	**Topic Two** Intersection of Cyber and Economic Interests	Group Leads
15:15-15:30	**Break**	
15:30-16:00	**Group Presentations** Topic Two: Intersection of Cyber and Economic Interests	Mr. Michael Esposito (JFHQ-DODIN)
17:00-18:30	**** Reception in DeRussy Hall and Foyer**	Sponsored by TechConnect

Day Five: Friday, November 1, 2024
Themes: Policy and Processes for Cyber Defense and Cooperation
USCYBERCOM Joint Force Headquarters - Department of Defense Information Network Policy Tabletop

Time (HST)	Events	Speakers
08:00-08:50	**Arrive at the Hale Koa**	
08:50-09:50	**Review of Findings** Topics One and Two	Major William Keber (US Army)
09:50-10:05	**Break**	
10:05-11:20	**Topic Three** Logistical Port Focus	Group Leads
11:20-11:30	**Break**	
11:30-12:00	**Group Presentations** Topic Three: Logistical Port Focus	Major William Keber (US Army)
12:00-13:00	**Hosted Buffet Lunch in the DeRussy Hall and Foyer**	
13:00-13:30	**After Action Review**	Major William Keber (US Army)
13:30-14:00	**Future Opportunities**	Major William Keber (US Army)
14:00-14:15	Closing Remarks	Mr. Wendell "Dell" Foster (Executive Director, JFHQ-DODIN)