



NAVFAC Cybersecurity Way Forward

10 December 2019

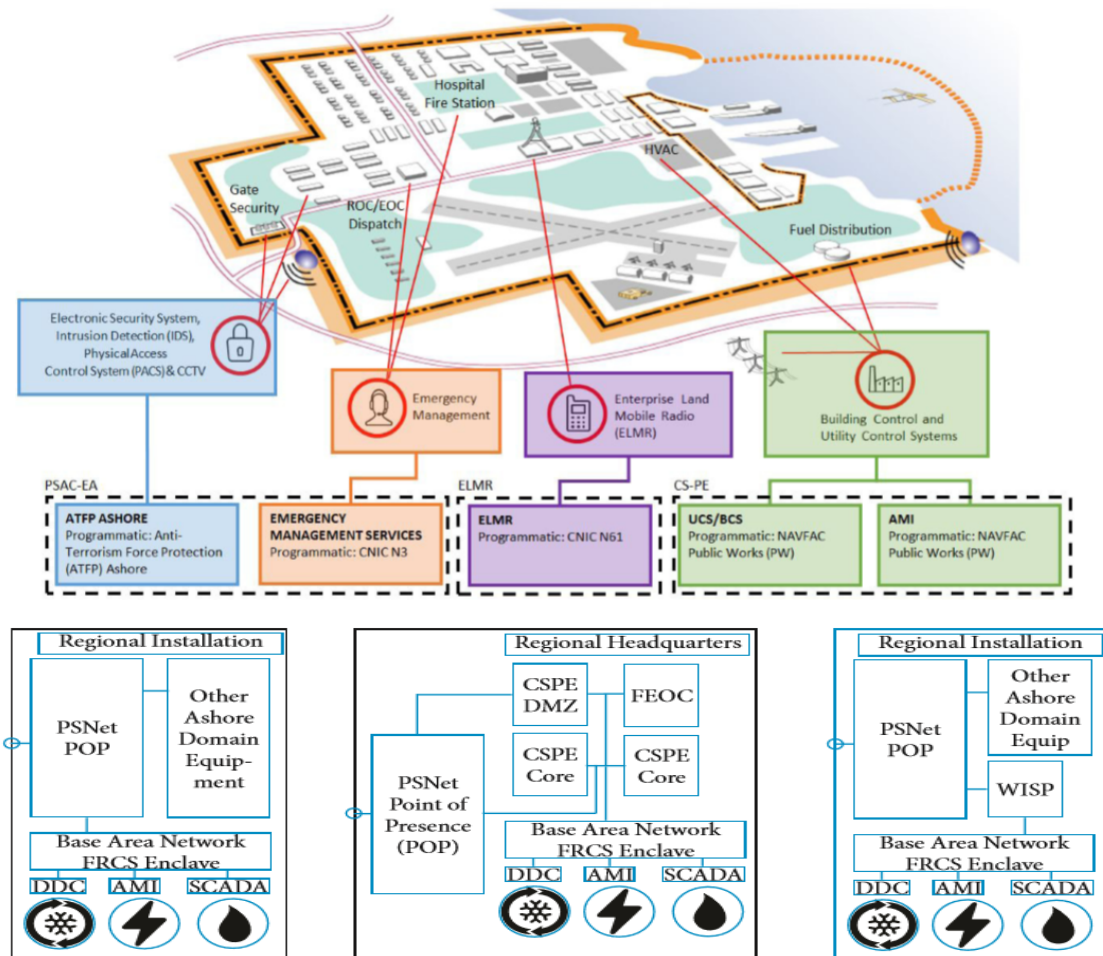
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Facility-Related Control System (FRCS) Cybersecurity



- NAVFAC owns the task of assessing and implementing cyber mitigations as well as to serve as the Functional Authorizing Official for Facility Related Control Systems.
- The NAVFAC Command Information Office (CIO) developed the Control System Platform Enclave to meet the challenge of authorizing and consolidating FRCS with maximum security.
- The CSPE provides security services, management & administration for NAVFAC's Building Control and Utility Control Systems.

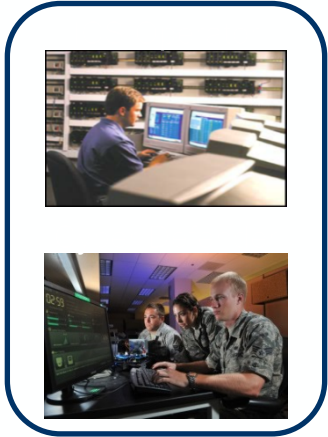
Ashore Domains



MOSAICS OV1



ICS Protection



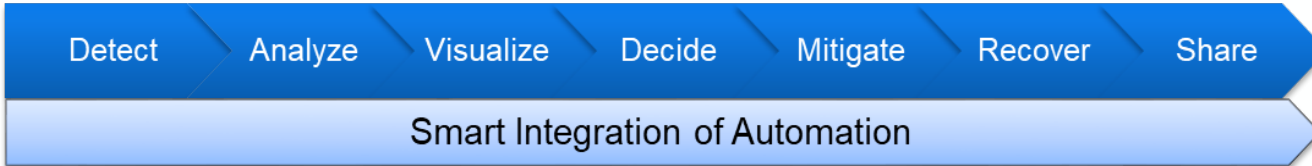
Industrial Control Systems (ICS)



Joint Warfighter Operations



Improved Situational Awareness and Speed to Decision



Higher Mission Assurance



Water



Electric Grid



Fuel



Building /Plant

Protect Critical Infrastructure Industrial Control Systems from Non-Kinetic Attacks

Navy Shore Critical Infrastructure Cyber Capability Framework



Function	Category	(FY19)	FY20	FY21	FY22	FY23	FY24	FY25
Identify	Asset Management	1.9	2.5	2.9	3.4	3.6	3.6	3.6
	Business Environment	2.5	3.3	3.6	3.9	4.3	4.3	4.3
	Governance	1.7	2.7	3.3	3.6	4.3	4.3	4.3
	Risk Assessment	1.9	2.4	2.9	3.6	3.7	3.7	3.8
	Risk Management Strategy	1.5	2.0	2.8	3.3	4.0	4.0	4.0
	Supply Chain Risk Management	0.5	1.3	2.5	2.8	3.2	3.5	3.7
Protect	Identify Management and Access Control	1.7	2.5	3.1	3.5	3.5	3.6	3.6
	Awareness and Training	3.4	3.6	3.8	4.2	4.2	4.2	4.2
	Data Security	1.8	2.7	3.2	3.6	3.8	3.8	3.8
	Information Protection Processes and Procedures	2.5	3.1	3.3	3.7	3.8	3.8	3.8
	Maintenance	1.5	2.5	3.0	3.5	4.0	4.0	4.0
	Protective Technology	1.6	2.4	2.8	3.6	3.6	3.8	4.0
Detect	Anomalies and Events	1.4	1.8	2.3	3.0	3.4	4.0	4.1
	Security Continuous Monitoring	1.5	2.1	2.7	3.4	3.6	3.9	4.2
	Detection Processes	0.8	1.0	2.0	2.6	3.0	3.6	3.6
React/ Respond	Response Planning	1.0	2.0	2.0	3.0	4.0	4.0	4.0
	Communications	1.5	2.3	3.0	3.8	4.5	4.5	4.5
	Analysis	1.2	1.8	2.6	3.4	4.4	4.6	4.6
	Mitigation	1.8	2.4	2.8	3.4	3.2	3.6	3.6
	Improvements	1.0	1.0	2.0	3.0	4.0	4.0	4.5
Restore/ Recover	Recovery Planning	1.0	2.0	2.0	3.0	3.0	3.0	3.0
	Improvements	1.0	1.0	2.0	3.0	4.0	4.0	4.0
	Communications	1.3	3.0	3.0	3.3	3.3	3.3	3.3

EISS
Foundational
Man, Train & Equip

CSPE

CSTB

CPRC

MOSAICS

