

Maritime Homeland Security in Hawaii

CAPT Barry Compagnoni USCG Sector Honolulu

barry.a.compagnoni@uscg.mil





Overview

- Hawaii
- Sector Honolulu Role
- Areas for Cooperation & Collaboration
 - Coordinated Operations
 - Maritime Domain Awareness
 - Maritime Risk Assessment & Planning
 - Vertical and Horizontal Information Sharing





Hawaii

- World's most remote population center
 - 2,390 miles from California; 3,850 miles from Japan; 4,900 miles from China; and 5,280 miles from the Philippines
- Stretches 1600 miles from Hawaii to Kure
- One of the worlds largest, most pristine coral reef ecosystems in the Papahanaumokukea Marine National Monument
- Maritime Economy is critical to the State
 - 98% of all goods enter through port
 - Electricity sourced 100% from fuel oil
 - 3 day supply of most consumables
 - Hub & spoke system of commercial cargo







Homeland Security







Refuge for Trans-Pacific Voyages

- Medevacs
- Diversion for repair
- Vessels in Need of Assistance









- Sector Commander
 - Operation Neptune Shield
- Captain of the Port (COTP)
- Federal Maritime Security Coordinator (FMSC)
 - Maritime Transportation Security Act/SAFEPORT
- Officer In Charge, Marine Inspection (OCMI)
 - Facility Security Inspection
- Federal On-Scene Coordinator (FOSC)
- SAR Mission Coordinator (SMC)





Enduring Coast Guard Roles "integrated operational execution"





Homeland Security

Coordinated Operations

- Sector Commander/FMSC role
 - Operation Neptune Shield
- ONS = multiple, layered kinetic activities
 - Maritime Domain Awareness
 - Surveillance
 - Patrols
 - Maritime Critical Infrastructure
 - Security Zones
 - Facility Inspections and Spot Checks
 - Vessel Escorts
 - Boardings of High Interest Vessels
 - Area Maritime Security Coordination
 - Military Outload Security





Honolulu Harbor – Security Zones

13 total zones Oahu-7 Maui-2 Hawaii-2 Kauai-2



Red zone and yellow zone activated and enforced at all times. Blue zone and light green zone activated and enforced after threat or MARSEC level increase.

Dark green zone activated and enforced when a large vessel (300 GT) is at the anchorage.





Maritime Domain Awareness

- Challenges of geography
- Convergence of multiple initiatives
 - Enhanced CG sensor package
 - State MDA
 - Infrastructure Protection Program via Port Security Grant Program
 - Marine Exchange
 - Initiated through partnership of Hawaii Harbor Pilots and San Francisco Marine Exchange





Risk-Based Decision Making

"What should drive our intelligence, policies, operations, and preparedness plans and the way we are organized is the strategic matrix of <u>threat</u>, <u>vulnerability</u> and <u>consequence</u>. And so, we'll be looking at everything through that prism and adjusting structure, operations and policies to execute this strategy."

Secretary Chertoff 4/20/05





Homeland Security

Simple Terrorism Risk Model

Risk = Threat * Vulnerability * Consequence















MSRAM Risk Model

 Scenario

 Target / Asset
 Attack Mode

Threat Attack Probability			-	X Scenario Consequence Secondary Primary Consequence + Economic Impact										x	١	ility	Risk		
Intentions & Confidence	Capability & Confidence	Geograhic Threat	Death Injury	Primary Economic Impact	Symbolic Effect	N ational Security	Environment Impact	Response - Owner/Operator	R esponse - Local 1st R esponder	Response - USCG	Recoverability	Redundancy	Secondary Economic Impact	A chievability	System Security - Owner/Operator	System Security - LEA	System Security - USCG	Target Hardness	

📕 🕷 🛛 U.S. COAST GUARD



Homeland SMSRAM creates a Risk-Based Risk-**Informed Security Profile**



LOW Consequence



Operational Use

- MSRAM provides list of high priority CI/KR (fixed or mobile)
- MSRAM creates a relative risk profile for use at the Area, District, Sector, and COTP level.
- Resource allocation

		SENS I	IVE	SECURIT	TY INFOR	RMATIC	DN / FOF	ROFFIC	ALU	SE ON	LY												
SCENARIO SCORIN	G - CONSISTEN	CY ANALY SIS PORT (BYS	CENARK	D TYPE)	- SCOF	RED / RE		DSCE	NA RK	SONL	Y	D.Y										
MICACHD UN-						REAT	CONSEQUENCE - PREMARY							ISE	1 '	SECOND	ARY .		VULNERA		ECURT	6447124	
TARGET	COTP	PORT		Idsk	MILICACED RESK	CAPABILI		DEATH	ECON	ENVIRON	NALL	SYM- BOLIC	00	1ST RESPON	used	ECON-	RECOVER-	DANCY	ACHEV	E OWNER	LEA	USCC	HARD
Agricultural ar	nd Food																						
Car/Truck Bomb																							
PORT OF PORT ARTHUD		PORT ARTHUR, TX	DS	77	84	70%	70%	3	2	2	1	з	7	7	7	2	4	4	7	6	7	7	6
P ORANGE	Port Athur	ORANGE, TX	D8	16	19	70%	70%	2	2	1	1	1	6	6	6	2	3	3	7	6	7	7	6
Bridges and t					~	_					_												
Driuges and t		NKK/			SA	\mathbf{N}	Ρ	L, H])A		4											
Attavas	Manage 1																						
I-610 Bridge	Houston Galveston	HOUSTON, TX	DS	304	429	60%	60%	4	4	2	1	1	7	6	6	4	4	4	4	7	6	6	4
RAINBOW/VETERAN'S BRIDG E	Port Athur	FORT ARTHUR, TX	DS	292	521	60%	60%	2	3	1	4	3	7	5	5	4	4	4	5	7	6	5	6
Betway 8 Bridge	Houston Galveston	HOUSTON, TX	DS	115	171	60%	60%	3	4	2	1	1	7	6	6	3	4	4	4	7	6	6	4
MLKERIDGE	Port Athur	BEAUMONT, TX	DS	114	131	60%	60%	2	1	1	4	3	7	7	6	3	4	4	5	7	7	7	6
-45 Causeway Bridge	Houston Galveston	GALVESTON, TX	DS	112	171	60%	60%	3	3	1	1	1	6	6	6	4	4	4	4	7	5	6	4
Washburn Tunnel	Houston Galveston	HOUSTON, TX	DS	89	97	60%	60%	3	3	1	1	1	7	7	7	3	4	4	5	7	7	7	5
San Louis Pass Bridge	Houston Galveston	FREEPORT, TX	DS	70	82	60%	60%	3	2	1	1	1	7	6	6	3	4	4	5	7	7	7	6
Buriside Bildge	Houston Galveston	FREEPORT, TX	DS	49	68	60%	60%	3	3	1	1	1	7	6	6	2	4	4	5	7	6	7	5
HWY 146 Bridge	Houston Galveston	BAYTOWN, TX	DS	46	65	60%	60%	3	3	1	1	1	7	6	6	3	4	4	5	7	6	6	4
Pelican Island Bridge	Houston Galveston	GALVESTON, TX	DS	45	68	60%	60%	з	3	1	1	1	7	6	6	2	4	4	5	7	6	6	5
Rall Causeway Bridge	Houston Galveston	GALVESTON, TX	DS	34	47	60%	60%	2	2	3	1	1	7	6	6	3	4	4	5	7	6	6	4
146 (Dick Inson Bayou) Bridge	Houston Galveston	DICKINSON, TX	DS	30	43	60%	60%	3	3	1	1	1	7	6	6	3	4	4	4	7	6	6	4
WEST PORT ARTHUR BRIDG E	Port Athur	PORT ARTHUR, TX	DS	22	11	60%	60%	1	2	1	1	3	7	7	6	2	5	5	5	7	6	5	7
	Houston Galveston	HOUSTON, TX	DS	1	5	60%	60%	3	3	1	1	1	5	4	4	3	4	4	3	4	4	5	3
Boat Bom b																							
SRIDGE	Port Athur	BEALMONT, TX	DS	44,257	70,767	70%	70%	2	з	1	5	з	7	6	5	6	5	5	6	7	6	5	7
I-610 Broge	Houston Galveston	HOUSTON, TX	DS	620	875	70%	70%	4	4	2	1	1	7	6	6	4	4	4	5	7	6	6	4
RAINBOW/VETERAN'S BRIDG E	Port Athur	PORT ARTHUR, TX	DS	601	1,563	70%	70%	2	2	1	5	4	7	7	5	2	5	5	6	7	5	5	7
																04-20		10	-	20		0	- 0
															7 8			 5	. (\mathcal{O}	4.	5	G
																ALC: NO.							



LIKLIEHOOD

Tactical Use: Risk Mitigation Strategies





Planning Use

"KAIMALU O HAWAI'I 08" Hawaii Statewide WMD Exercise 2008



- Refines and strengthens Coast Guard and State exercise program
- Port Security Grant Process
 - including critical infrastructure, key resources and high consequence events.
 - MSRAM is used to identify the threat, consequence and vulnerability for ferry systems for the transit security grant program.
 - MSRAM is used to assess risk impact of grant proposals



MIREM Box Clutter



ach US



Reacquisition Missions







44-012

44-004

44-017

-22 contacts reacquired

- -19 dropped to confidence level 1 or 2
- -3 with confidence level 3 or 4





Information Sharing

- Coast Guard Homeport System
 - National web portal
 - homeport.uscg.mil
 - Tailored to each COTP zone
 - SBU information sharing
- Alert Warning System
 - List serve notification system
 - Phone, email, fax notifications
 - Bridge for security of SBU dissemination across multiple domains

Participate/subscribe to HOMEPORT







