



Expeditionary Warfare Now and Into the 21st Century

Mr. Roger Smith
Deputy Assistant Secretary of the Navy
for Expeditionary Warfare

21 Oct 2008



**Assistant Secy of Navy
(RDA)
Hon. Sean Stackley**

Deputy Assistant Secretariats of the Navy (DASNs)

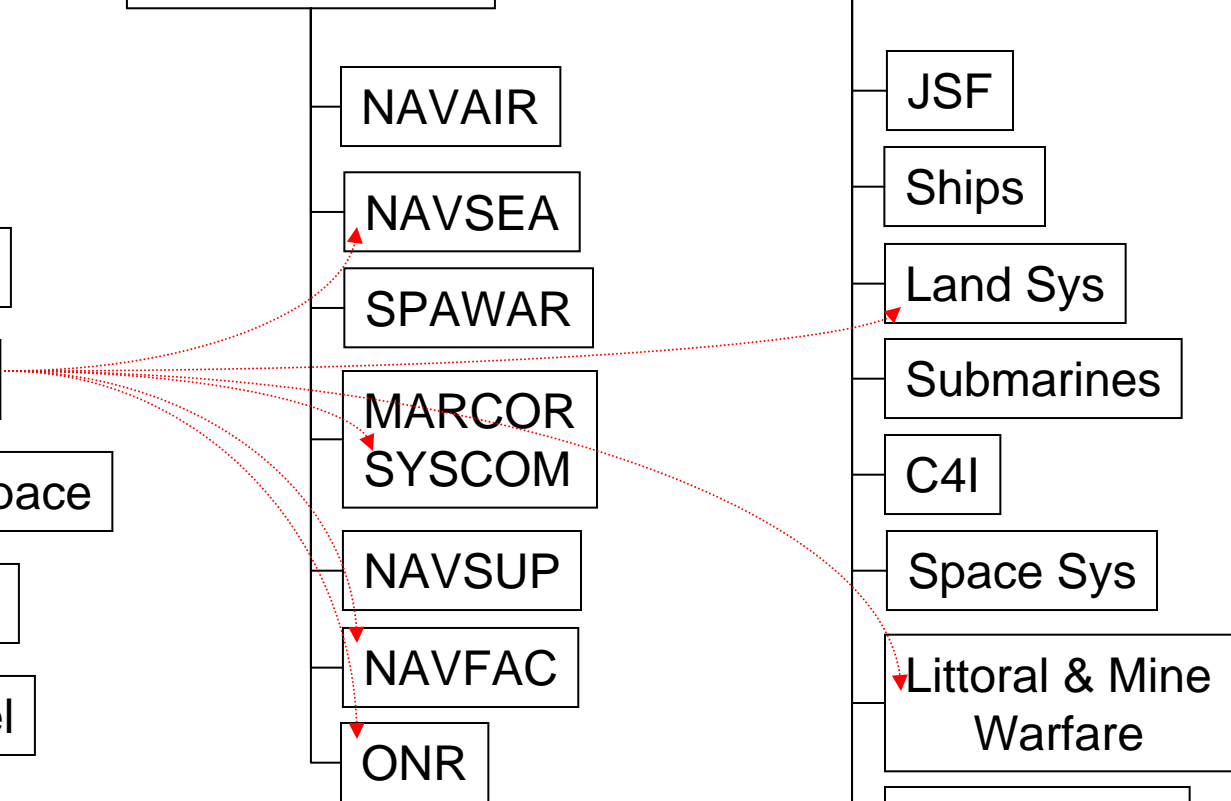
- DASN Air
- DASN Ships
- DASN ExW**
- DASN C4I/Space
- DASN AL&M
- Gen. Counsel

System Commands

- NAVAIR
- NAVSEA
- SPAWAR
- MARCOR SYSCOM
- NAVSUP
- NAVFAC
- ONR

Program Executive Officers (PEOs)

- JSF
- Ships
- Land Sys
- Submarines
- C4I
- Space Sys
- Littoral & Mine Warfare
- A/C Carriers
- Tac Air





DASN ExW

DASN ExW
R. Smith
SES

Deputy DASN
Col T. Russell

Administrative Assist.
J. Kelly
YB-2

NECC Branch
Capt T. Miller

Ground Combat Branch
Rick Ellis
YA-3

Ground Support Branch
LtCol C. McKay

Force Protection Branch
Tim Gaffney (ICAF)

Technology and Rapid Development Branch
Brian Kiviat
Joseph Vignali

USMC Financial Management Intern
Katherine Chung

- NECC Riverine
- EOD
- Shipboard Prot. Sys.
- AT FP Afloat
- UXODC
- IED Defeat
- JCREW
- AT FR Ashore

- EFV
- JLTV
- LAV
- LW155
- MPC
- FCS
- EFSS
- HiMARS
- M1A1 FEP
- ITV

- JCTD
- ACTD
- JUONS
- RDD
- FNC
- UUNS

- MRAP
- Body Armor
- CBRN
- LVSR
- MTVR
- Flatrack Refuel
- MTVR Trailer

Summary:

	Auth/Onbd
Military:	2/3
Civilian:	4/4
Total:	6/7
Detail:	3/2
Intern:	0/1
Cont:	0/0

Matrixed positions do not count against staffing levels.

Marine

Navy

Civilian



DASN ExW Portfolio



Program	APPN	2008	2009	2010	2011	2012	2013	2014	2015	Total
Expeditionary Fighting vehicle	RDTE	243,932	266,052	211,876	189,333	174,149	88,005	77,475	51,436	1,302,258
	PMC				70,036	466,523	575,568	591,634	656,907	2,360,668
Joint Light Tactical Vehicle	RDTE	39,969	43,997	58,851	84,139	96,236	74,374	32,109	25,894	455,569
	PMC					25,220	123,490	459,195	459,195	1,067,100
Marine Personnel Carrier	RDTE	9,741	6,500	3,179	27,500	85,200	88,900	68,900	50,000	339,920
	PMC	0	0	500	500	500	500	600	113,225	115,825
Combat Support Mobility	RDTE	4,834	3,447	3,150	3,525	2,091	1,804	1,858	1,914	22,623
	PMC	806,518	299,088	277,195	225,806	195,772	88,117	56,435	63,243	2,012,174
Combat Fires	RDTE	9,341	7,859	8,499	4,668	7,105	7,529	7,680	7,834	60,515
	PMC	292,607	134,908	158,037	53,521	23,909	8,497	8,937	9,080	689,496
Legacy Combat Maneuver	RDTE	14,766	49,382	66,497	49,055	39,483	19,894	6,175	6,397	251,649
	PMC	274,774	192,479	79,715	194,418	378,188	414,988	240,758	216,312	1,991,632
Engineering Support	RDTE									0
	PMC	320,961	129,914	169,434	143,837	84,013	87,544	90,084	92,494	1,118,281
Force Protection	RDTE	124,277	7,594	8,195	8,901	9,574	10,051	10,252	10,457	189,301
	PMC	1,901,542	1,941,818	98,322	132,436	92,995	138,459	127,484	149,841	4,582,897
Non-Lethal Weapons	RDTE	55,685	46,902	47,622	48,698	49,367	50,368	51,375	52,402	402,419
	PMC									0
Total	RDTE	502,545	431,733	407,869	415,819	463,205	340,925	255,824	206,334	3,024,254
	PMC	3,596,402	2,698,207	783,203	820,554	1,267,120	1,437,163	1,575,127	1,760,297	13,938,073
		4,098,947	3,129,940	1,191,072	1,236,373	1,730,325	1,778,088	1,830,951	1,966,631	16,962,327

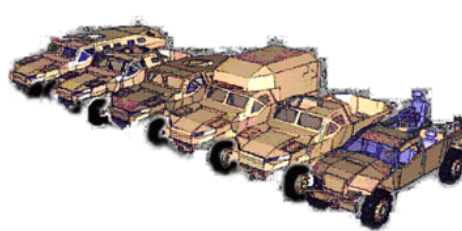
\$16.9B
FY08 – FY15



New Acquisition Deliveries



Prog.	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19
ITV												
LW155												
HIMARS												
EFSS												
LVSR												
JLTV												
EFV												
MPC												





Expedited Efforts

ISO GWOT



- MRAP

- Produced to date
 - 13,346
 - 10,583 in theater
- In Production
 - 2,492
 - 2,763 Awaiting GFE/in transit to theater
- Executed >\$24.1B



- CREW

- Produced to Date
 - 9,163 CVRJs
 - 1,143 MMBJs
 - 9,417 Chameleons
 - 1,142 Hunters
- In Production
 - 4,265 CVRJs
 - 595 MMBJs
- Executed >\$1.8B





Urgent Needs Rapid Response



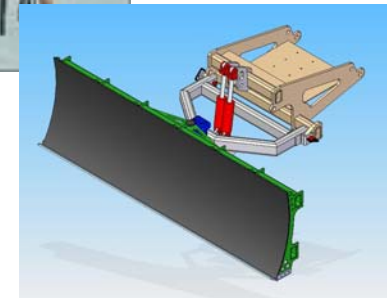
Rapid Deployment Capability

- COTS/GOTS Fielding
 - gMAV -- Rotary wing UAV for EOD
 - GBD-III Laser Dazzler – (pending approval)
 - Counter-Surveillance Sensors – (pending approval)



Rapid Development and Deployment

- Prototype Systems Development
 - Counter Suicide Bomber Sensor
 - Route Clearance Blade
 - Chem/Bio/Explosives Sensors for boarding teams
 - Small UAV RF Reconnaissance payload



Providing Immediate Response to
MARCENT and NAVCENT Needs



Future World Dynamics

The Reality of Tomorrow



- Population Growth in Unsustainable Regions
- Rising Peer Competitors
 - China, India, Russia, Brazil
- Increased Resource Competition
 - Clean Water
 - Energy
- Technology Explosion – Narrowing of US Edge
 - Computation
 - Nanotechnology
 - Genetics and biotechnology
- Diminishing Economic Leverage
 - Globalization
 - Integrated Economies





Long War Guiding Principals

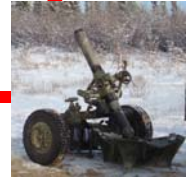


- Naval Character
- **Lethality**
- Deployability
- **Self-Sufficiency**
- Adaptability
- Interoperability



Lethality

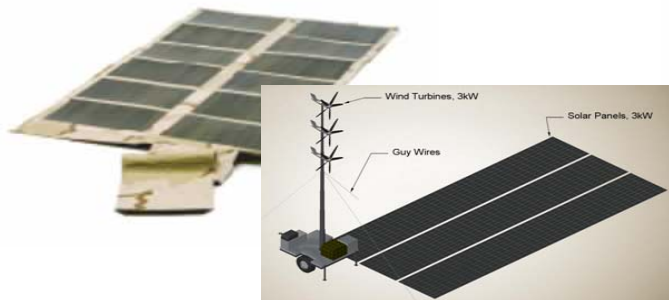
- Triad of Ground Fires
 - High Mobility Artillery Rocket System
 - Lightweight 155MM Howitzer
 - Expeditionary Fire Support System
- Follow-on to SMAW
- Infantry Automatic Rifle





Self-Sufficiency

- Internally Transportable Vehicle
- Precision Aerial Delivery System
- Lightweight Water Purifier
- Expeditionary Fuel System
- Alternate Power Sources





Maneuver Warfare

- Legacy Platform Improvements
 - Amphibious Assault Vehicle
 - Light Armored Vehicle
 - M1A1 Main Battle Tank
- Next Generation
 - Expeditionary Fighting Vehicle
 - Marine Personnel Carrier
 - Joint Light Tactical Vehicle





Science & Technology

"Invest in science and technology to provide the 'seed corn' for future capabilities and prevent technological surprise."

J. T. Conway, CMC Planning Guidance

- **Enhanced Small-Unit Situational Awareness**

- Sensors and Sensor Systems
- Operational Culture Learning and Language
- Tagging, Tracking and Locating



- **Lethality and Survivability**

- Enhanced Organic Small-Unit Weapons Effect
- Counter Improvised Explosive Devices

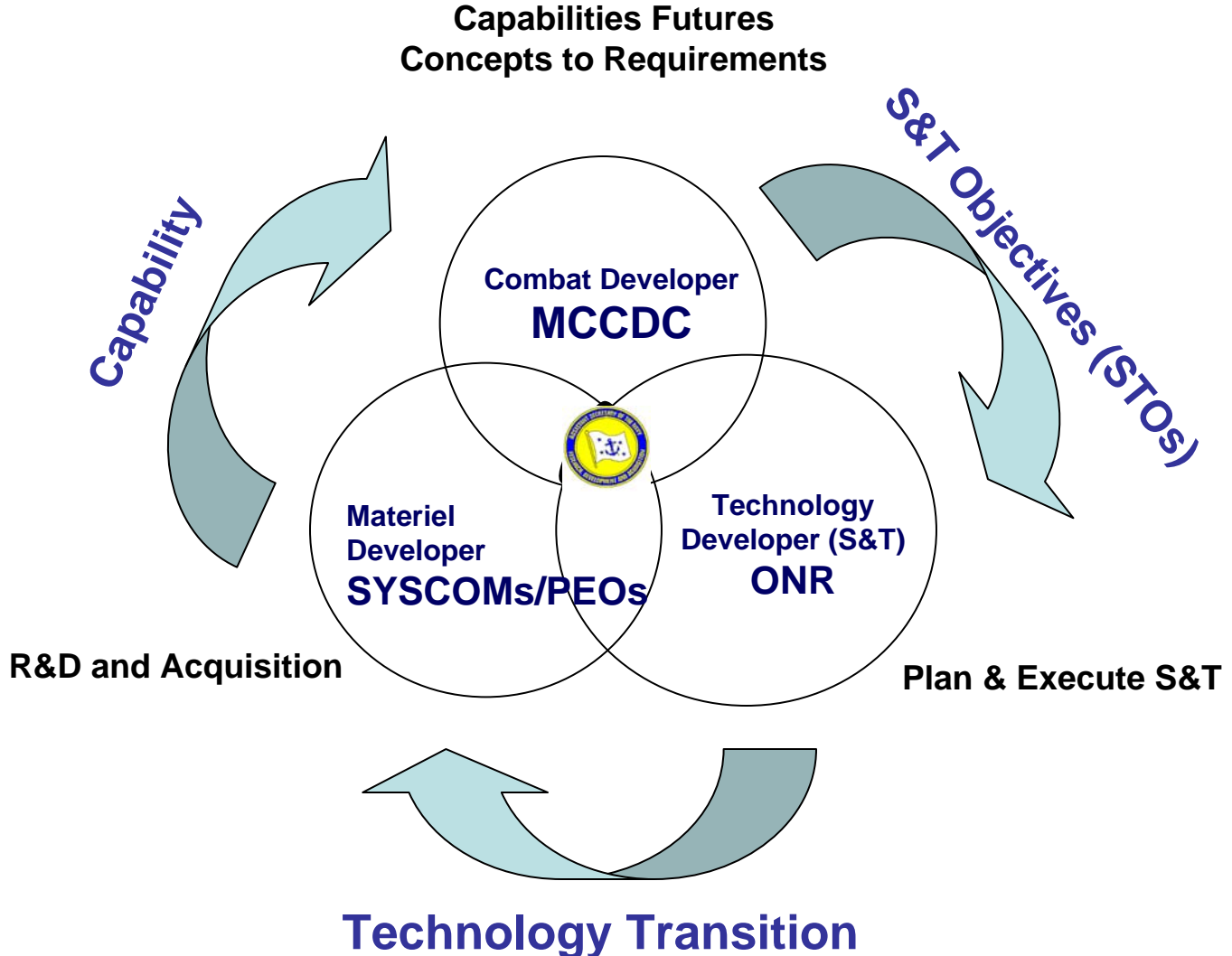


- **Mobility**

- Individual Mobility & Combat Load Reduction
- Small-Unit Mobility



Future Capability Process





Questions??????

