



Marine Aviation Transformation:

The Future is Now

Expeditionary Warfare Conference

27 October 2005



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Deputy Commandant for Aviation





MARINE AVIATION



It's all about



LEADERSHIP & VISION

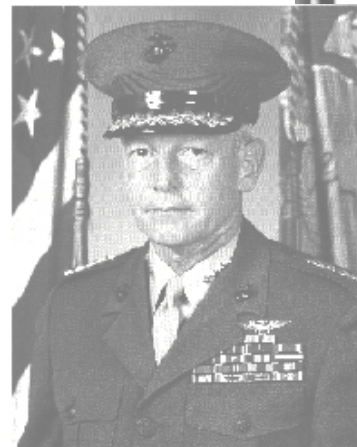


Magnificent Marines Forge the Future!



Appreciation

Marine Leaders of Yesterday Made Marine Aviation of Today





Yesterday's Vision



Expeditionary Warfare from the Sea



TODAY

Still Carrying the Load



First to the Fight – First To Fight



TODAY

WE ARE FIGHTING A WAR WITH THAT VISION!



■ OIF

- 36 x CH-46
- 16 X CH-53E
- 27 x AH-1W
- 12 x UH-1N
- 6 x C-130J
- 12 x F/A-18D
- 10 x AV-8B
- 5 x EA-6B
- 1 x UC-35
- 4 x UAV
- MWSG (-)
- MACG (-)
- MALS (-)(+)

■ CJTF-HOA

- 4 x CH-53E

■ MEUs

They may be old...but they still put out!



Magnificent Marines and their Fabulous Machines

C-130: 12,259 Hours

43/83



CH-46: 44,387 Hours

21/47



OEF/OIF

18/40



H-1: 42,438 Hours

20/37



CH-53E: 18,817 Hours

Doing More with Less



Winning With Legacy

F-18/AV-8B: 48,634 Hours



32/84



23/51

12/46



UAV: 10,577 Hours

OEF/OIF

EA-6B: 8,246 Hours



30/70



Command and Control

Expeditionary Warfare Concept -- Revalidated



Winning With Legacy

F-18/AV-8B: 48,634 Hours

EA-6B: 8,246 Hours

**HOW ARE
WE
DOING
THIS?**

UAV: 10,577 Hours

Command and Control

Expeditionary Warfare Concept -- Revalidated



Winning Ain't Easy

F-18/AV-8B: 48,634 Hours

EA-6B: 8,246 Hours

➤ ***2.0 Readiness***

➤ ***Pre-Deployment Training***

➤ ***Logistics Plan***

➤ ***Maintenance Teamwork***

➤ ***Command & Control***

UAV: 10,577 Hours

Command and Control

Effective Leadership is Hard Work



Winning With Legacy

F-18/AV-8B: 48,034 Hours

EBL-6: 3,246 Hours

HOWEVER,

WE HAVE

SOME

FAMILY

ISSUES...

UAV: 10,577 Hours

Command and Control

Expeditionary Warfare Concept -- Revalidated



Tough Facts

- ***War and Training for War is Expensive***
 - ***There Ain't Enough \$\$ to Go Around***
- ***Rotary Wing Centric Environment***
- ***Training Efficiency Lacking***
- ***Safety Program Lousy***
- ***Aviation "Transition" Campaign***
 - ***Work in Progress – Must Get It Right***

Retooling Necessary for Today & Tomorrow



WE HAVE BEEN BUSY!

2005



Lowering the Cost of Doing Business



Working the Issues

- ***T&R Manual – Completed (20 yrs)***
- ***Flight Hour Program -- Instituted (2yrs)***
- ***Aviation Command & Safety Program – Institutionalized (1 yr)***
- ***Aviation Training System – Incorporated (2 yrs)***
- ***Aircraft Inventory Management Plan – Completed (1 yr)***
- ***Squadron T/O's & T/E's – Reshaped (1yr)***
- ***Aviation "Transition" Plan – Executing (30 yrs)***

Finding the Efficiencies: \$\$\$\$ & Manpower



\$\$\$\$ Are Scarce

Therefore, Efficiencies Are



BIG MONEY

Finding In-House Dollars for...

VISION 2015

Seabasing



Retooling the Vision for Tomorrow

Vision Without Funding is a Hallucination

VISION 2015

Seabasing



**SO ARE WE
HALLUCINATING
OR ARE WE
RETOOLING?**





We Are Retooling!



Transitioning to a New Era



Transition Plan: The Good Stuff

➤ ***C-130J***

➤ ***MV-22***

➤ ***UH-1Y/AH-1Z***

➤ ***JSF***

➤ ***HLR***

➤ ***VUAV***

➤ ***VXX***

➤ ***Command & Control***



Retooling the Vision 2005-2015



KC-130J

IOC 2005

- FOC: FY13 ?
- Total Force:
 - 130T: 28 (AMP) ?
 - 130J: 51 (PBD-753...?)
- Survivability
- JHL -- ACTD



[Desert Flight Operations Video](#)

"Nothing Better Been Invented"



MV-22 Osprey

IOC 2007

■ Transitions begin...

- 2D MAW – FY05
- 3D MAW - FY09
- 1st MAW - FY13
- 4th MAW - FY15

■ Testing

- OPEVAL – Completed
- Milestone III: Sep 05
- VMX-22 flown >5000 hrs
- FOC: FY18 (PBD-753)
- Objective: 360

[Flight Operations Video](#)



Spectacular: Flight of the Osprey



UH-1Y & AH-1Z

IOC 2008/11

- OPEVAL 2nd Qtr FY 06
- Build New
- JHL/JMRA -- ACTD



[Flight Operations Video](#)

The Bridge to Joint Multi-Role Aircraft (2020+)



STOVL Joint Strike Fighter IOC 2012

- Power on CTOL
- STOVL in Jig
- 1st CTOL Flight 2006
- 1st STOVL Flight 2007
- USMC receives first aircraft 2010



[Flight Operations Video](#)

On Schedule and On Track



CH-53E / Heavy Lift Replacement IOC 2015

- JCIDs
- J&A signed
 - All FY 05 funding released
- DAB Milestone B
- OPEVAL 2013



ESSENTIAL for STOM / Sea Basing



Electronic Attack

- EA-6B
 - OIF & OEF operations
 - Inventory management
 - ICAP III
 - Fly through 2015
 - EW studies in progress



Grand Ol' Gal – But the Fat Lady's Warming Up



Unmanned Aerial Vehicles

IOC 2011

■ Pioneer

- Deploying ISO OIF
- Flying 3X peacetime rate (FY 2005: 6000 Hrs)
- Sustain through 2015

■ Risk reduction: Prototype VUAV Flight (Jan 06)



Pivotal Player in GWOT



Presidential Helicopter Replacement Program (VXX)

IOC 2010+

- Legacy VH-3D/VH-60N
 - Increased utilization since 9/11
 - Need for improved communications and survivability
- VH-71A contract awarded to Lockheed Martin Jan '05

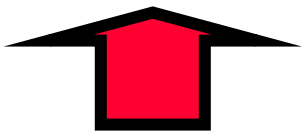


Marine Pride – President's Own



Marine Aviation Logistics

SUSTAINING AND TRANSFORMING EXPEDITIONARY WARFARE



TODAY: LEGACY



TOMORROW:
PERFORMANCE BASED LOGISTICS

GOING ON AND STAYING ON



Aviation C2 Family of Systems IOC 2009



The "Glue" That Binds



"Transitioning"

Getting Everyone on the Same Sheet of Music



We Are Humming and We Are Strumming



But 2005 Wasn't All Fun...



2005: The Year from HELL!



NOT ALL PAIN IS GAIN



Wading Thru the Tough Stuff

➤ ***BRAC***

➤ ***PBD-753***

➤ ***Budget Battles***

➤ ***QDR***



Some Chicken – Lotsa Feathers



BRAC

A grayscale photograph of a large group of Marines in a field, possibly during a training exercise or deployment. The Marines are silhouetted against a bright, hazy background. Some are standing, some are kneeling, and some are holding rifles. The overall scene is one of organized activity.

➤ *No Major Issues*

Your Marines Did You Proud!



PBD-753

➤ *C-130J*

➤ *V-22*

➤ *Joint Common
Missile*

Took a Licking But We Kept On Ticking



Budget Battles

- *PB06 on the Hill – \$419B DOD*
- *FY05 Supplemental – \$81B DOD*
- *Unfunded Programs List – \$428M*
 - *On the Hill*
- *More COST OF WAR*
 - *FY06 Supplemental – In Work*
 - *“Bridge” Supplemental - \$373M*
 - *On the Hill*

Dueling for Dollars



Today - 2015

The Institution is



Engaged in a "Work in Progress"

These Are Unprecedented Times



Reshaping Aviation Today-2015

Under the Umbrella of QDR



We are Leading the Charge

Getting the New Think In and the Old Think Out



Reshaping our Thinking

The Vision of Expeditionary Warfare Hasn't Changed...

...We Are Just Tweaking It

Meeting a Changing World with Effective Change



Riding the Dragon Before the Dragon Rides Us!

- *Shifting from Conventional to Irregular*
- *MARSOC Integration: Aviation Slice*
- *Joint TACAIR Integration*
- *Joint Rotary Wing Review*
- *Repositioning Marine Aviation Laydown*

Shaping Aviation for a 21st Century Marine Corps



THE MISSION HAS NOT CHANGED

**“WINNING WARS
&
MAKING MARINES”**



Winning Wars is a Team Effort



We Are Just Changing Our View for Future Needs

Winning Wars Tomorrow

Requires

Reshaping Our Corps Today



Sharpening the Spear for Our Sons and Daughters

STILL OUR MOST



LETHAL WEAPON...



The Marine

Yesterday – Today – Tomorrow



Marine Aviation

Poised and Ready



Making Progress Every Day for Tomorrow

**SO,
AT THE END OF THE DAY...**



**WHAT IS IT
ALL ABOUT?**



LEADERSHIP & VISION



Carrying the Torch Today for Tomorrow

VISION 2015

Seabasing



QUESTIONS

