Marine Aviation Transformation: The Future is Now

Expeditionary Warfare Conference
27 October 2005

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Deputy Commandant for Aviation
MARI NE AVI AT ION

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

<table>
<thead>
<tr>
<th>Aircraft</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-130</td>
<td>12,259</td>
</tr>
<tr>
<td>CH-46</td>
<td>44,387</td>
</tr>
<tr>
<td>H-1</td>
<td>42,438</td>
</tr>
<tr>
<td>CH-53E</td>
<td>18,817</td>
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</tbody>
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**OEF/OIF**

- C-130: 12,259 Hours
- CH-46: 44,387 Hours
- H-1: 42,438 Hours
- CH-53E: 18,817 Hours

Doing More with Less
Winning With Legacy

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

EA-6B: 8,246 Hours

UAV: 10,577 Hours

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

2.0 Readiness

Pre-Deployment Training

Logistics Plan

Maintenance Teamwork

Command & Control

Effective Leadership is Hard Work
Winning With Legacy

UAV: 10,577 Hours

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

EA-6B: 8,246 Hours

Expeditionary Warfare Concept -- Revalidated

HOWEVER, WE HAVE SOME FAMILY ISSUES...
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**
$\$\$\$ \text{Are Scarce}

\text{Therefore, Efficiencies Are}

\text{BIG MONEY}

\text{Finding In-House Dollars for...}
Retooling the Vision for Tomorrow

Vision Without Funding is a Hallucination
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

J HL -- ACTD

“Nothing Better Been Invented”
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

Spectacular: Flight of the Osprey
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

On Schedule and On Track

Flight Operations Video
CH-53E / Heavy Lift Replacement
IOC 2015

- J Cl Ds
- 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

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
SUSTAINING AND TRANSFORMING EXPEDITIONARY WARFARE

ORGANIC SUPPORT

INCREASING SUPPLIER RESPONSIBILITIES

JSF

MV-22

CH-46

AV-8B

COMMERCIAL SUPPORT

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

➢ 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 TACAI R 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
QUESTIONS