**T-AVB Background Info**

- **T-AVB Capability**
  - Intermediate level maintenance and repair
  - Parts storage
  - MF/SE/bulk-storage transportation
  - Opportune lift
  - T/M/S support through 2019
    - F/A-18, AV-8B, EA-6B, CH-53E/K, AH-1W/Z, UH-1N/Y, MV-22, UAS
  - Task-organized intermediate maintenance support provides aviation logistics flexibility
  - Supports littoral operations
PH-11 Mission

18 Feb - 18 March 2011. 3d MAW conducted T-AVB operations aboard SS Curtiss in support of Exercise Pacific Horizon. MALS-39 was the lead MALS. Other 3d MAW MALS participated, as well as MWSG, MACG, and 4th MAW personnel.

7-11 March 2011. Load exercise conducted to train new load crews.

1-14 March 2011. T-AVB supported Pacific Horizon 11
Overview

- Biennial MARFORPAC T-AVB exercise
  18 Feb - 18 Mar 2011

- MARFORPAC lead agent
  ↳ 3d MAW

- Lead MALS
  ↳ MALS-39

- SS Curtiss Commander of Troops (COT)
  ↳ XO, MALS-39

- CLR-17 POG (8)
- CLB-5 LVSR (4)

- Personnel:
  - MALS-39 (57)
  - MALS-11 (5)
  - MALS-13 (6)
  - MALS-16 (10)
  - MAG-39 (2)
  - I MEF (1)
  - MARFORPAC (1)
  - MALS-49 Augments (11)
  - MWSG-37 (18)
    - Food Service
    - ARFF
    - Comm
  - MACG-38 (8)
  - Civilian (1)

  Total Personnel (120)

- Total MFs: (85)
- Supply Containers: (2)
Communication Capabilities

- **Daily SitRep**
  - Provided to MALS-39 HQ
  - SIPR chat used exclusively for communication with MEF COC

- **S-6**
  - MACG/MWSG provided (12) comm Marines to augment MALS-39
  - MALS provided four ALIMS Marines

- **Equipment**
  - WSC-6(V)9 SATCOM terminal
    - Deployed e-mail address
    - DSN phone capability
    - NIPR/SIPR access available
    - Increased bandwidth (1024K SIPR/512K NIPR) from normal training activation
  - HF/UHF/VHF communication capability
Medical Services

Medical Plan

- Ship dispensary with basic medical services available
- MAG-39 doctor and corpsman embarked with MALS
- MEDEVAC to beach required for any treatment beyond basic services
  - Emergency – Coast Guard
  - Routine – next available MARLOG flight
**AVLOG Capability**

- **Component repair support**
  - H-1, CH-46 aircraft
  - Capability existed to repair approx 500 line items
  - Only low priority items brought to ship

- **MALS departments/divisions represented**
  - Aircraft Survivability Equipment, Radar, Calibration
  - Airframes, Non-Destructive Inspection (NDI), Tire and Wheel
  - Dynamic Components
  - Aviation supply
Objectives Accomplished

- Demonstrated sea-based aviation logistics
  - (11) aircraft components repaired
  - Six items had test and check services completed
  - Performed preventive maintenance on mobile facilities and ancillary equipment

- Trained 120 Marines in T-AVB sea-based aviation logistics
  - Mobile facility loading and unloading
  - Operating ship’s cargo booms
  - Complexing and decomplexing mobile facilities afloat

- Coordinated flight ops
  - Flight deck aircraft handling
  - Aircraft Rescue and Firefighting (ARFF)

- Used ship loading software (TALPS) to plan and validate safe load

- Developed and exercised AT/FP Plan in conjunction with 3rd Fleet and I MEF
Concerns and Issues

- **T-AVB Capability needs to be retained**
  - Identified as a critical asset by HQMC
  - SS Curtiss hull life expires in 2019
    - Service life extension may be an option
  - Mobile Facility Program structure required through 2025 to support all USMC T/M/S
    - Six year gap in capability unless extended or replaced

- **Requires modification and certification for MV-22**
  - Moving flight deck lights
  - Repositioning deck markings
  - Certification to handle additional weight and heat

- **Need to communicate with tactical phone lines**
  - Unable to call USMC tactical phones during exercise
    - Resolution plan is in work
PH-11 T-AVB Highlights

“Bello Ac pace Paratus”
Prepared in Peace and War