



# ***MARINE AVIATION***

## **Maintenance Training and Distance Support**

### **An Expeditionary Perspective**

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**14 November 2007**

*"When we send them out,  
will we send them with the very best?  
... And how will we know?"*



**When they call...**

**We MUST  
Respond !!!!**





# ***MARINE AVIATION***

**This same critical response holds true for those logistics elements that support unit core competency**

- Maintenance training must provide a basic set of knowledge, skills and abilities that allow us to sustain complex systems across the myriad of missions**
- Distance support must be accessible and responsive across the spectrum of mission requirements**



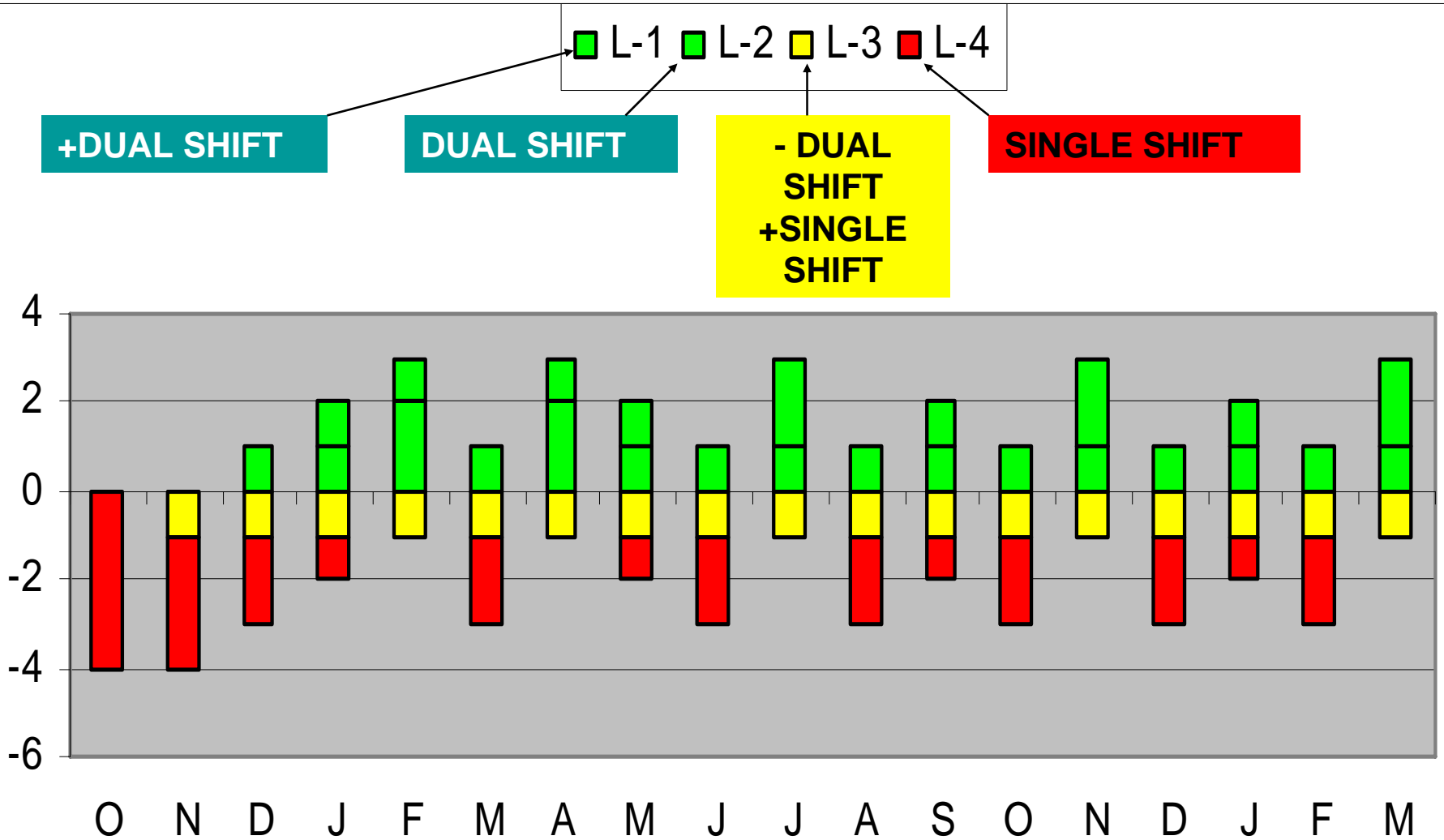
# MAINTENACE TRAINING

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- Many variables impact training. Marine Aviation is developing a means to measure a units attainment of knowledge, skills and abilities in the hope of influencing these variables with an accurate assessment of unit impact.
- Aviation Logistics Electronic Requirements Training System (ALERTS) will be an automated assessment tool to measure the core competency of an individual unit's maintenance department.

# ALERTS



Aviation Logistics Electronic Requirements Training System

# Squadron View ALERTS

| PERSONNEL            |     |         |     | PERSONNEL              |     |         |     |
|----------------------|-----|---------|-----|------------------------|-----|---------|-----|
| CORE                 | SQN | SQN (-) | DET | CORE                   | SQN | SQN (-) | DET |
| ASR                  |     |         |     | PETTYBONE/ENTWHISTLE   |     |         |     |
| STAFFING GOAL        |     |         |     | SEAT CRANES            |     |         |     |
| ON HAND              |     |         |     | CORROSION CONTROL CART |     |         |     |
| 700 LABOR            |     |         |     | NAN CARTS              |     |         |     |
| 500 LABOR            |     |         |     | HYDRUALIC JENNY        |     |         |     |
| SFF                  |     |         |     | ELC PWR UNT            |     |         |     |
| QAR                  |     |         |     | LIGHT CART             |     |         |     |
| CDQAR                |     |         |     | TOW TRACTOR            |     |         |     |
| QASO                 |     |         |     | WEAPONS LOADER         |     |         |     |
| CDI                  |     |         |     | AIR COMPRESSOR         |     |         |     |
| PLANE CAPTAIN        |     |         |     | PRESSURE WASHER        |     |         |     |
| MATMEP LVL III (T&R) |     |         |     | TMU-84 NIT CART        |     |         |     |
| MATMEP LVL IV (T&R)  |     |         |     | DEMIN CART             |     |         |     |
| OTHER                |     |         |     | TOW QUAL               |     |         |     |
| LIQUID OXYGEN        |     |         |     | TOW SUPERVISOR         |     |         |     |
| NITROGEN             |     |         |     |                        |     |         |     |
|                      |     |         |     |                        |     |         |     |
|                      |     |         |     |                        |     |         |     |
|                      |     |         |     |                        |     |         |     |

# DISTANCE SUPPORT

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- In today's dynamic environment, we must minimize our logistics footprint while leveraging technology to extend our reach back capabilities.
- The challenge is integrating technology into a dispersed expeditionary environment.
  - Limited bandwidth
  - Throughput constraints
    - Tactical data
    - Information flow

# MV-22

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- VMM-263 is the first combat deployment for the MV-22.
- Challenges have been experienced in maintaining complex avionics systems. Factors include:
  - A diverse group of technicians that are familiar with older technology and received fundamental training based on Built-In-test technology.
  - Integrated Electronics Technical Manuals that require updates and corrections in a deployed environment.
  - Time delay in movement of technical expertise to the theater.
- Iraq will provide a good basis for validating DS concepts and enhance capabilities for a more constrained environment



# EXPEDITIONARY AIRFIELDS

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- Require the ability to transmit technical information for the evaluation of expeditionary landing sites.
  - Undertaking a tech-cam and JTDI evaluation.

# *Questions*

