



MARINE AVIATION

Maintenance Training and Distance Support

An Expeditionary Perspective

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*"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**

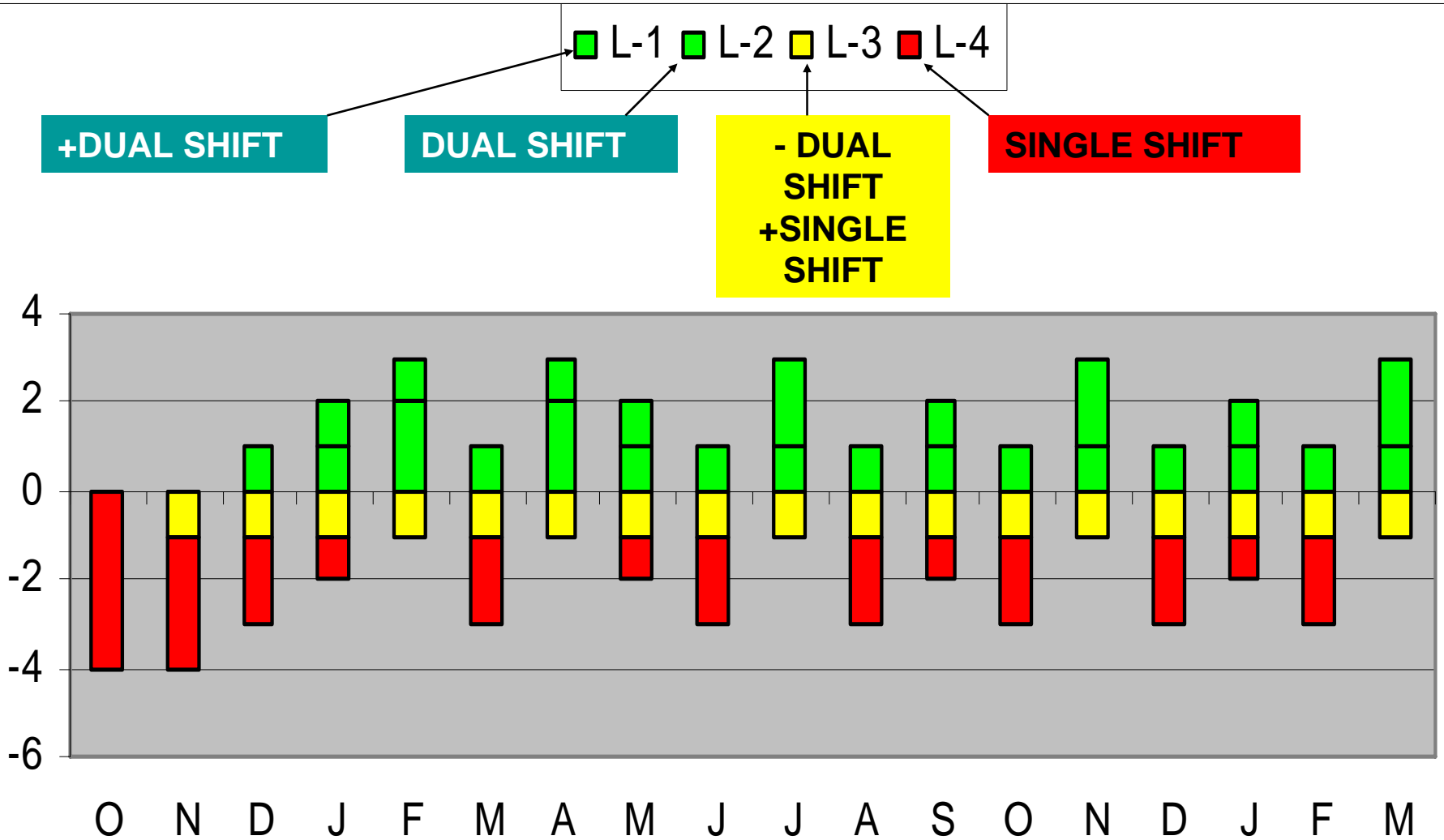


MAINTENACE TRAINING

Marine Aviation

- 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 | | | | | | | |
| | | | | | | | |
| | | | | | | | |
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DISTANCE SUPPORT

Marine Aviation

- 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

Marine Aviation

- 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

Marine Aviation

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

Questions

