

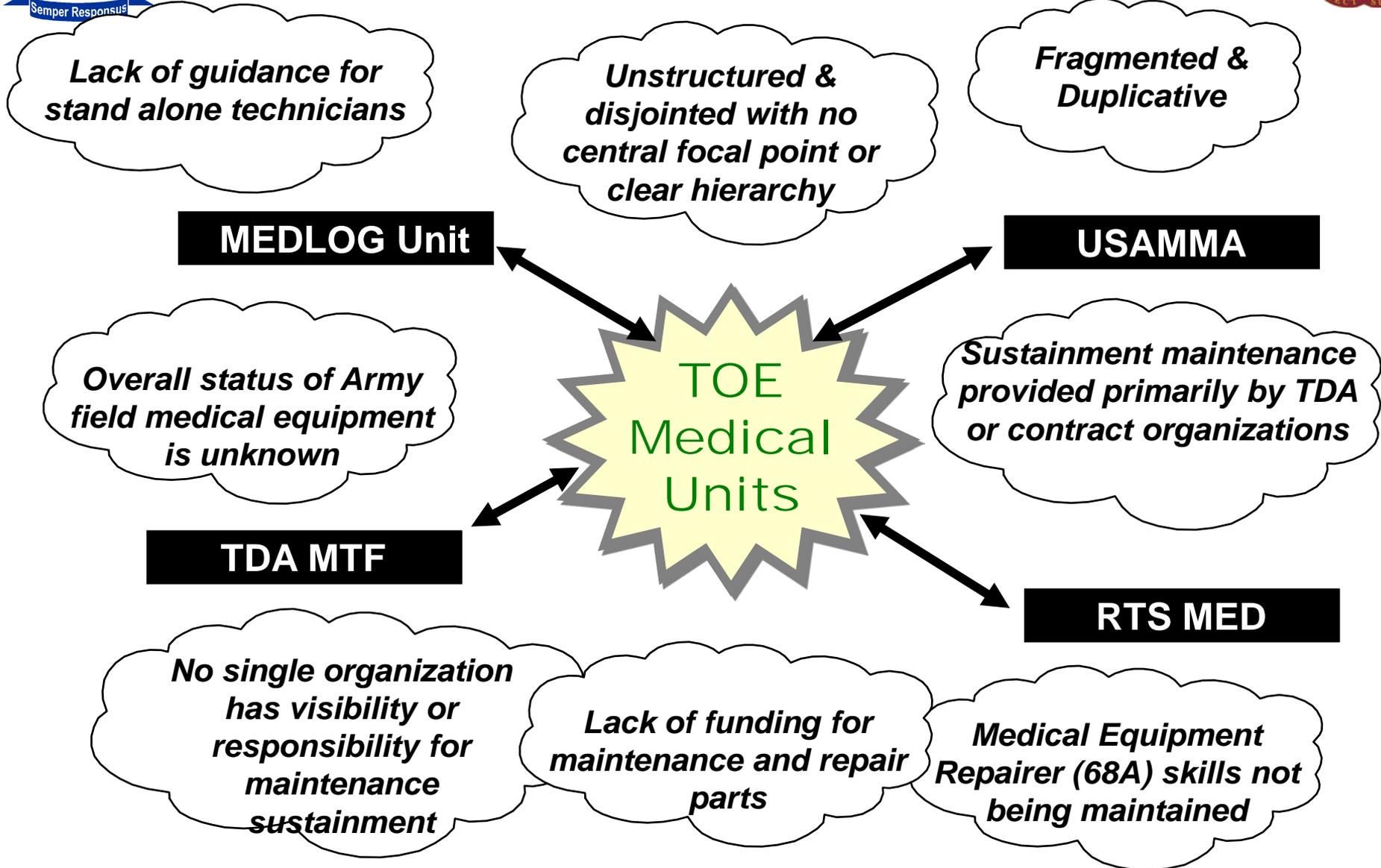


AMEDD Maintenance Sustainment Program





Why a sustainment maintenance program?





Balanced Approach



Readiness

- FMC units through proactive maintenance
- Sustain/enhance repairers' skills
- Realistic and comprehensive maintenance support plans

Corporate / Fiscal

- Equipment maintenance status
- Best use of military manpower
- Cross-leveled workload



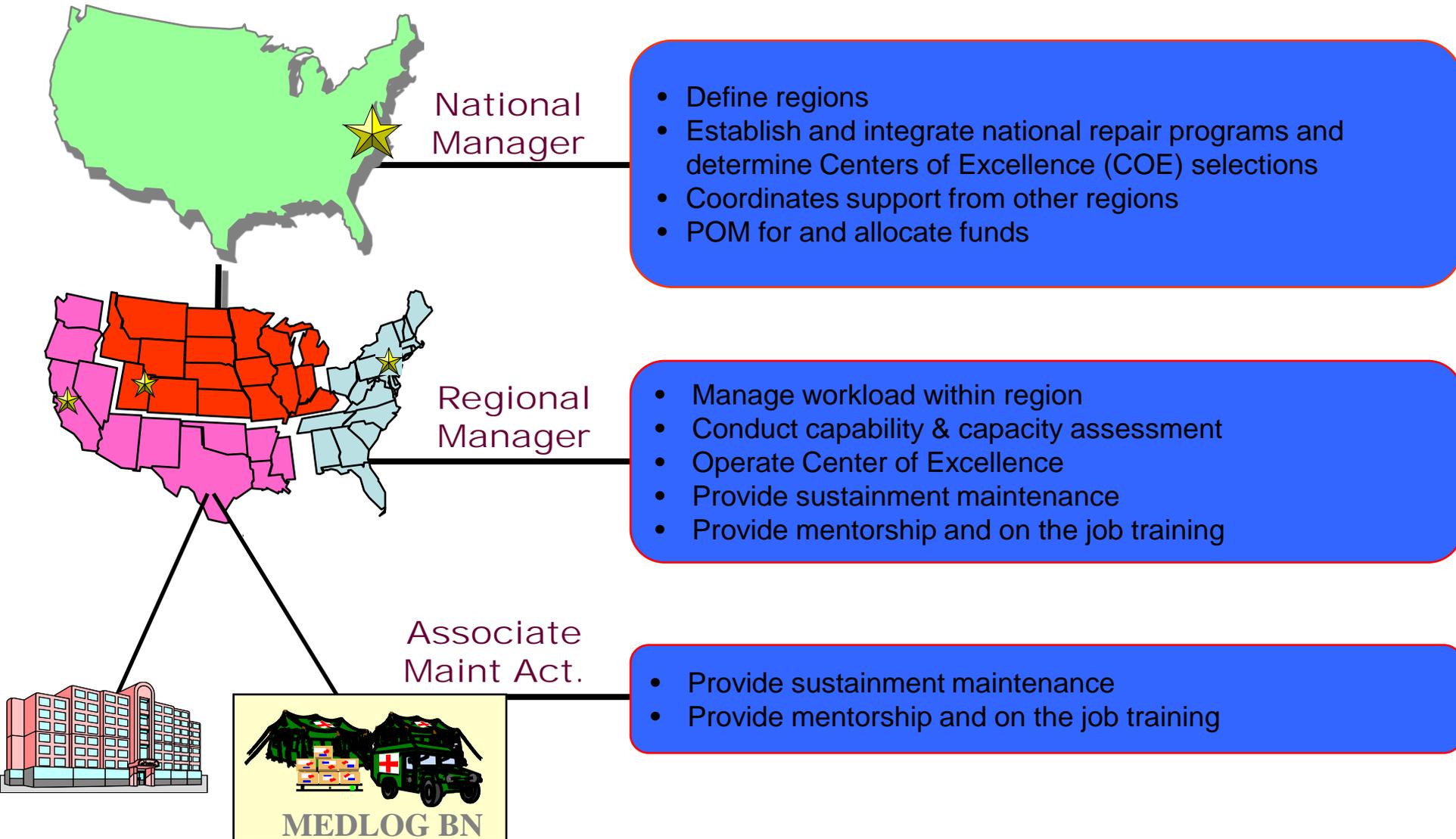
Transformation

- Reach Logistics -- telemaintenance
- Centrally managed Class VIII parts
- Expertise on the battlefield
- ARFORGEN

Customer Satisfaction

- One stop shopping
- Proactive support to units without maintainers
- Publish TB MED 750-2

Maintenance Structure





OTSG / USAMEDCOM

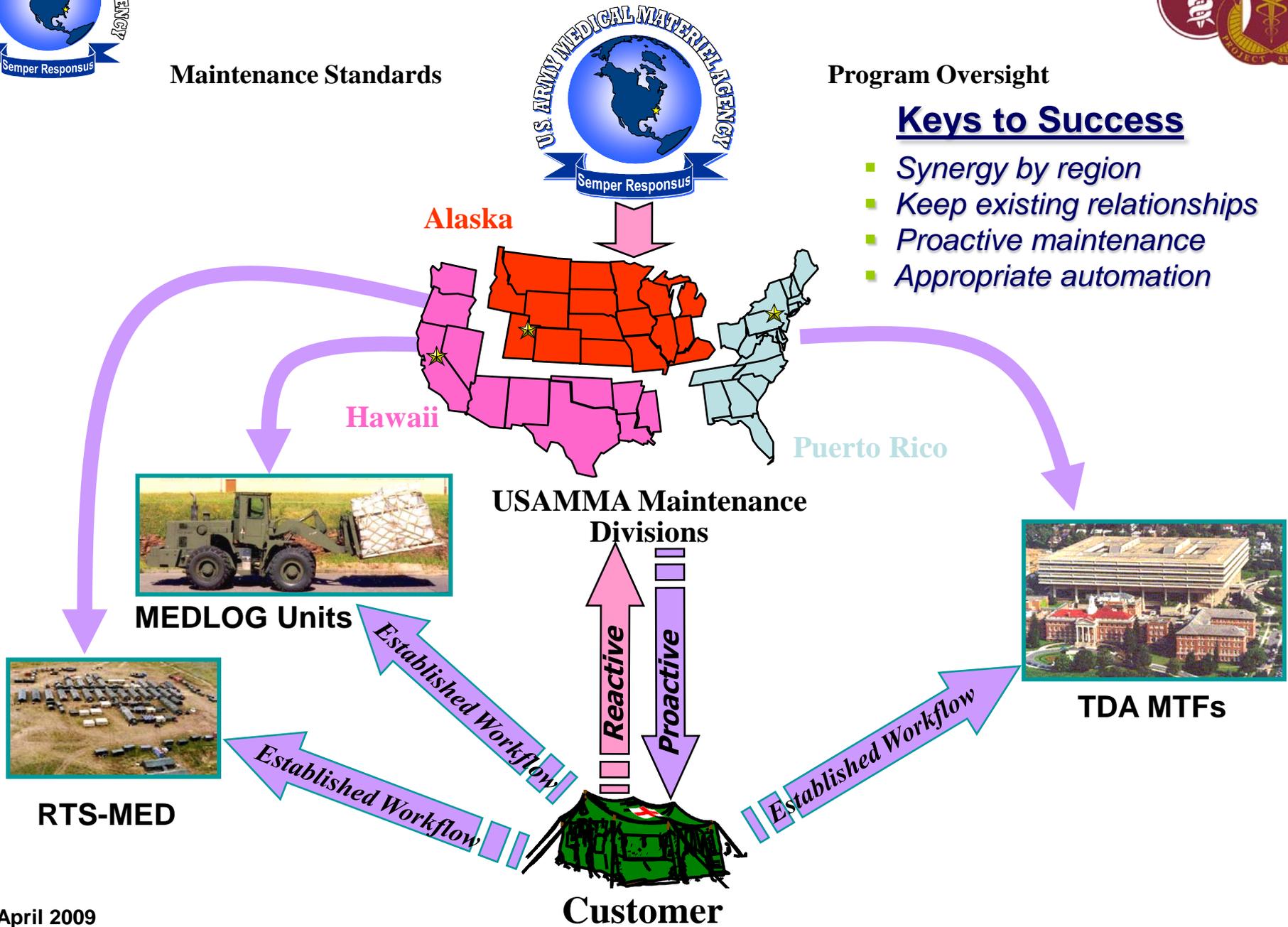


Maintenance Standards

Program Oversight

Keys to Success

- Synergy by region
- Keep existing relationships
- Proactive maintenance
- Appropriate automation





Support (POM) Strategy



❖ COMPO-1 (AD) Costs Include:

- Direct Support (Field) repair parts
- General Support (Sustainment) parts and labor

❖ COMPO-2 (NG) Costs Include:

- DS/GS (Field and Sustainment) parts and labor

❖ COMPO-3 (AR) Costs Include:

- General Support (Sustainment) parts and labor

❖ RCHD Costs Include:

- DS/GS parts and labor
- 10 RCHDs annually
- Maintenance costs
- Sierra movement & storage

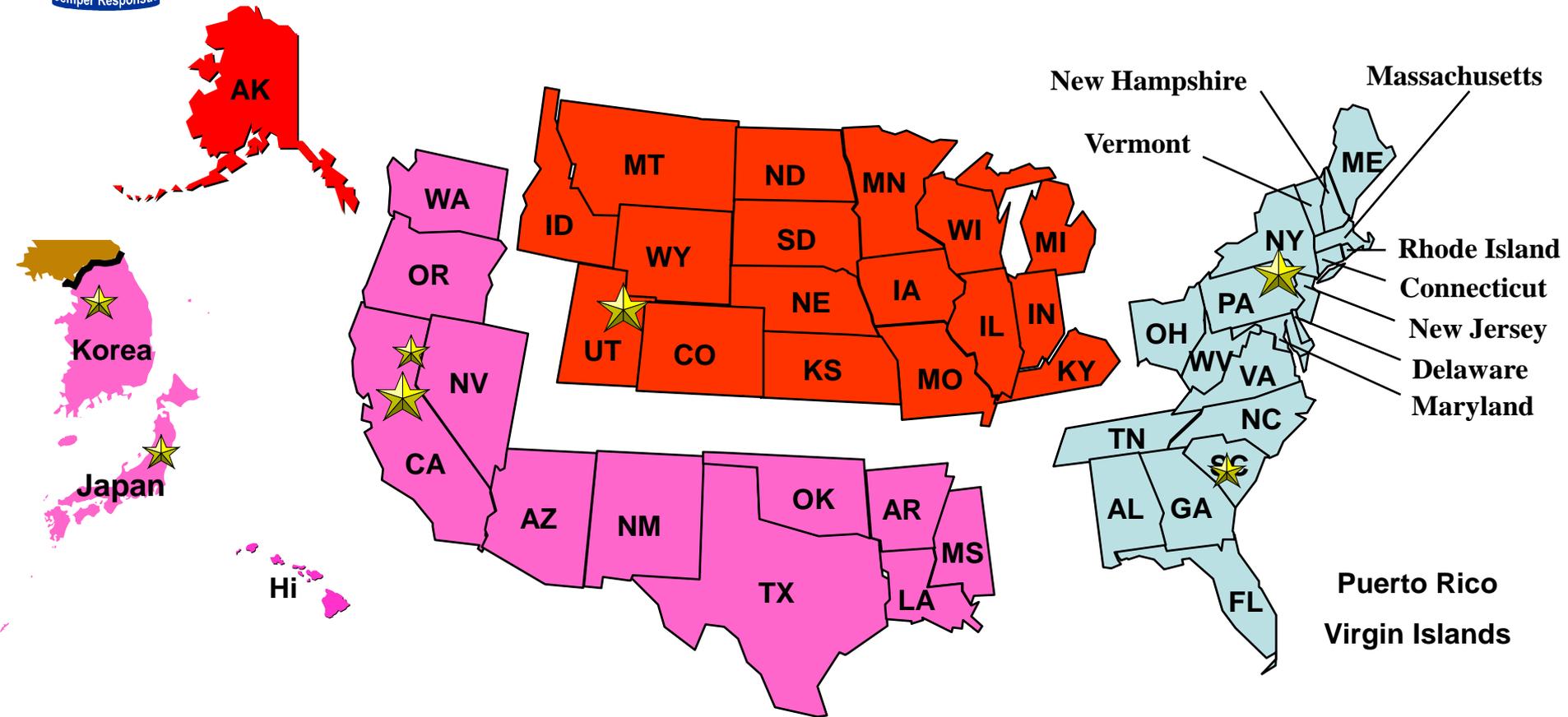


Medical Maintenance Operations Divisions (USAMMA Depots)





Regional Managers MMODs



TRACY, CA
DSN 462-4556
COM 209-839-4556

HILL AFB, UT
DSN 586-4947
COM 801-586-4947

TOBYHANNA, PA
DSN 795-7744
COM 570-895-7744



MMOD Centers of Excellence



MMOD - TOBYHANNA

- ❖ Audiometer calibration
- ❖ Optical equipment
- ❖ Dental hand-piece rebuild
- ❖ MEPS DX program
- ❖ TOE laboratory equipment
- ❖ X-ray acceptance program

MMOD – HILL AIR FORCE BASE

- ❖ Pulmonary equipment
- ❖ TOE repair parts
- ❖ Anesthesia equipment
- ❖ New equipment fieldings/maintenance cycles

MMOD – TRACY

- ❖ X-ray tube head rebuild program
- ❖ Medical imaging equipment
- ❖ Special purpose test, measurement, & diagnostic equipment (TMDE-SP)



Future of Maintenance



Technology On The Battlefield

Leading edge technology significantly enhances battlefield survivability...



... but dramatically increases the challenge to medical equipment repairers

— Technology

— Complexity

— Training



Complex Issue with a Multifaceted Solution



- ❖ A significant gap exists between maintenance requirements and the maintenance capability; a complex problem with no silver bullet
 - Training of medical equipment repairers (NMP / AMEDDC&S)
 - Maximize hands-on experience thru AMEDD Maintenance Sustainment Program
 - Increase initial, sustainment, and predeployment training
 - Implement certification requirements for 68As
 - Manage specialty training by ASI
 - Re-implement a multi-MOS strategy
 - Supportability strategies (PM Devices / PM ICS / NMP)
 - Maintenance Allocation Charts (MAC)
 - 10/20 Standards
 - MEDSTEP / MEDORF
 - Level of Repair Analysis
 - Repair Parts



Multifaceted Solution (cont)



- **Automation (OTSG / NMP / PM Devices / PM ICS)**
 - Required to identify and assist in resolving systemic issues early
 - Collection of maintenance and repair parts data in order to implement proactive solutions
 - Interactive Electronic Technical Manuals (IETMs)
 - Knowledge based / Artificial intelligence
- **Reach Logistics (FSD / NMP/ PM Devices / PM ICS)**
 - Tele-maintenance support from industrial base
 - Remote prognostics, diagnostics, and solutions
- **Forward Repair Activity (PM Devices / PM ICS / NMP / FSD / CBDEV)**
 - Deployable expertise
 - Functionality focused
 - Highly trained
 - Significantly experienced



FRAM



❖ Logistics Assistance Representatives (LARs) / Forward Repair Activities (FRA)

- Injects depot level medical maintenance expertise to the field
- Reduces numerous maintenance support contracts
- Reduces transportation costs and turn around times
- An element of the USAMMA's maintenance divisions deployable during times of conflict

❖ Highly trained and experienced functional experts to assist and mentor theater medical equipment repairers (68A)

- Provides a second level maintenance support capability
 - Becomes an extension of the theater's maintenance support capability
- Share medical maintenance expertise and experience while working side by side with 68A enlisted repairers
- Reduce dependency and challenges associated with contractor support



FRAM Responsibilities



❖ Provide Equipment / System Expertise

➤ Imaging

- Computed tomography, computed radiography, and digital tele-radiology...

➤ Laboratory

- Blood cell counter, chemistry analyzers, and aphaeresis...

➤ Pulmonary

- Anesthesia equipment, ventilators, oxygen generation...

❖ Provide maintenance continuity between unit rotations



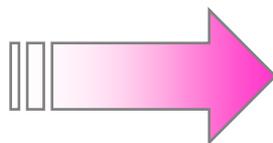
FRAM Employment



Attached to USAMMC-SWA for day to day operations

Equipment / System Expert Deployed Forward

- ❖ Mentor other equipment repairers (68A)
- ❖ Assist with repairs and services of complex medical equipment
- ❖ Provides support for APS stocks



- ❖ MTF, Iraq / Afghanistan
 - Provide maintenance (Rad; Lab; Pulmonary)
 - Mentor Unit's Organic 68A
 - Assist with RIP/TOA (Relief in Place/Transfer of Authority)
- ❖ USAMMA MLST / APS Missions
 - Provide maintenance support

Critical System Failure

Scheduled Services Due

MTFs contacts USAMMC-SWA to request support

USAMMC-SWA contacts MTF to schedule maint

USAMMC-SWA deploys Medical System Expert Forward



Centrally Managed Class VIII Repair Parts Program



❖ Problem:

- Lack of standardization causes supply chain unresponsiveness
- Many parts no longer available from original equipment manufacturer (OEM)
- Parts requests rejected

❖ Part of the solution to a large problem: Centrally managed program

- Central source of supply with comprehensive information repository
 - Medical maintenance expertise within supply chain
- Existing assets
- Cannibalization point
- 25K credit card authority ICW multi vendor BPAs

❖ Benefits:

- Reduce unit's research time / increase unit's odds of success
- Reduce affects of minimum order
- Provide utilization data to build push packages
- Reduce unsatisfied or rejected repair parts requests