

# 2011 Department of Defense Maintenance Symposium & Exhibition

November 14–17, 2011  
Fort Worth Convention Center  
Fort Worth, Texas, USA



**Achieving Readiness through Efficiency and  
Effectiveness in Maintenance Operations**

## **EVENT GUIDE**

Includes Final Program and  
Exhibit Directory

[www.sae.org/dod](http://www.sae.org/dod)



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for the U.S. Department of Defense

# What Simplifying Assumptions Are You Banking On?



## Recognize these Assumption Icebergs to Readiness?

- More funding resolves the challenge
- Performance Based Contracts improve productivity
- More inventory improves operational readiness
- Improving reliability improves system productivity
- More maintenance will improve reliability
- The ERP will optimize operational performance



**Come see us at  
Booth #103  
across from USMC**

## What type of life cycle analysis “Sonar” mapping do you employ?

Does your “Sonar” have the cross-functional and multi-indentured ability to identify dangerous simplifying assumptions and competing self interests? Does your “Sonar” identify and validate 10 – 100x ROI opportunities in acquisition, reliability, maintainability, and supportability?

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# WELCOME 2011 DOD MAINTENANCE SYMPOSIUM & EXHIBITION

To all “maintainers”, welcome to our 2011 DoD Maintenance Symposium and Exhibition. We come together again to explore the most pressing sustainment issues that confront our community and those we support.

The OPTEMPO is as high as ever, the threat is global, dynamic, and vigilant, and our defense mission continues to expand, all at the same time that the budget pressures continue to grow. We are clearly challenged, but I will not go into further detail here because you already know this and feel it. However, I will say we will address many facets of this environment during our symposium. In reading the program, you will see the potential this venue has to shape our thoughts, plans, and actions.

Key leaders and experts within our community will be here to share their experiences and opinions, but the true value will only be realized by interaction and participation. Please be bold and take advantage of this opportunity.

And as we do every year, we will recognize the best maintenance units in the Department of Defense with the presentation of the Secretary of Defense Maintenance Awards. The awards banquet will be a fabulous event, so please plan to attend and participate in the celebration energetically.

Thank you for all you do in support of our warfighters and thank you for attending and making this Symposium and Exhibition the best ever.

## John B Johns

Deputy Assistant Secretary of Defense  
for Maintenance

### Technical Program Team

#### Chuck Field

Office of the Deputy Assistant Secretary  
of Defense for Maintenance

#### Corey Battistoni

Office of the Deputy Assistant Secretary  
of Defense for Maintenance

#### CDR Lonnie Appleget, USN

Joint Staff/J-4 Maintenance Division

#### Nelson Williams, U.S. Army

Office of the Deputy Chief of Staff,  
G-4 (Logistics)

#### MGySgt Michael Ryan, USMC

Headquarters U.S. Marine Corps,  
Installations and Logistics

#### Wes Kenyon, U.S. Navy

Office of the Chief of Naval Operations  
(N43)

#### Lt Col Elizabeth Boehm, USAF

Headquarters U.S. Air Force, Logistics,  
Installations, and Mission Support

#### LCDR Terence Williams, USCG

U.S. Coast Guard Asset Project Office

#### Thomas Presley

Defense Logistics Agency

#### Greg Muha

SAE International

#### Dave Cutter

LMI



# 2011 DoD Maintenance Symposium and Exhibition at a Glance

	Sunday Nov 13	Monday Nov 14	Tuesday Nov 15	Wednesday Nov 16	Thursday Nov 17
		7:00 AM Registration Opens <i>Continental Breakfast</i>	6:45 AM Registration Opens <i>Continental Breakfast</i>	7:00 AM Registration Opens <i>Continental Breakfast</i>	7:00 AM Registration Opens
Morning	9:00 AM <i>Golf Outing</i>	8:00 - 9:30 AM Unmanned Aircraft Systems Commercial vs DoD Aviation MROs  9:45 - 11:15 AM Information: Underpinning Readiness PSAT Implementation	7:45 - 11:30 AM <b>Plenary Session</b> OSD Opening - Mr John Johns, DASD(M) Government Keynote - LTG Chris Christianson, USA (Ret) (NDU) Satisfying Readiness Requirements with Reduced Resources	8:00 - 11:30 AM <b>Plenary Session</b> Industry Opening - Mr Bharat Vedak (SAE) Industry Keynote - Mr Robert Weiss (LM) Senior Logisticians' Roundtable Future Capability of DoD Mx Depots - Considerations & Outcomes	8:00 - 9:30 AM <b>Plenary Session</b> Seated Breakfast Keynote - SgtMaj Anthony Spadaro, USMC  10:00 AM <b>Meetings and Tours</b> <i>Tour #1 - AA Maintenance Center</i> <i>Tour #2 - Lockheed Martin Plant</i> <i>Tour #3 - Peterbilt Plant</i> <i>Tour #4 - Bell Textron Repair Center</i>
		11:15 AM - 12:15 PM Networking Lunch  12:30 - 2:00 PM DLA Support to DoD Maintenance Public Private Partnering It's the Law  2:15 - 3:45 PM Future Mx Leadership Source of Repair Decisions <i>Great Ideas Competition</i>  4:00 PM <i>Exhibit Hall Open</i>	11:30 AM - 1:45 PM <i>Buffet Lunch in Exhibit Hall</i>  2:00 - 4:00 PM Maintenance in a Net-centric Environment It's All About the Money Corrosion Prevention Projects  4:00 PM <i>Exhibit Hall Open</i>	11:30 AM - 2:15 PM <i>Buffet Lunch in Exhibit Hall</i>  2:30 - 4:00 PM Maintenance Operations in SWA Maintenance Education Look into Depot of Future  4:15 - 5:15 PM <i>Military Service Town Hall Meetings</i>	
Afternoon	3:00 - 6:00 PM Early Registration				
Evening	6:30 - 8:30 PM Exhibitor Only Reception	4:30 - 6:00 PM <i>Reception</i>  7:00 PM Exhibit Hall Closes	4:30 - 6:00 PM <i>Reception</i>  7:00 PM Exhibit Hall Closes	6:00 - 7:00 PM <i>SecDef Maintenance Awards Reception</i>  7:00 - 9:30 PM <i>SecDef Maintenance Awards Banquet - GEN Robert Cone, USA</i>	

Symposium at a Glance  
Sponsored by



- Key:**
- Technical Session**
  - Breakout Session**
  - Meeting**
  - Plenary Session**
  - Tour/Off-site Event**
  - Award Event**
  - Exhibit Hall Open**



Welcome	1
<b>Symposium at a Glance</b>	2
General Information	4
Networking and Special Events	9
<b>Plenary, Breakout and Technical Sessions</b>	15-37
Participant Index	38
<b>Exhibit Directory</b>	39
Military Displays	40
Exhibitor Floorplan	42
Exhibitor Booth Index	43
Exhibitor Profiles	44
Sponsors	55
Ad Index	56

## Emergency Hotline

1-800-581-9295

In the event of an emergency or a major disruption to the schedule of events at the DoD Maintenance Symposium, attendees and exhibitors may call this number to receive further information about the resumption of this event. Updates will also be provided via the SAE website at [www.sae.org](http://www.sae.org).

## Location

*Fort Worth Convention Center*

1201 Houston Street  
Fort Worth, Texas 76102

## Hours of Operation

### Registration

*Room 102*

Sunday, November 13  
3:00 – 6:00 p.m.

Monday, November 14  
7:00 a.m. – 5:00 p.m.

Tuesday, November 15  
6:45 a.m. – 5:00 p.m.

Wednesday, November 16  
7:00 a.m. – 6:30 p.m.

Thursday, November 17  
7:00 – 10:00 a.m.

### Exhibition

*Exhibit Hall A-C*

Monday, November 14  
4:00 – 7:00 p.m.

Tuesday, November 15  
11:30 a.m. – 1:45 p.m.  
4:00 – 7:00 p.m.

Wednesday, November 16  
11:30 a.m. – 2:15 p.m.

### Event Operations Office

*(OSD/SAE War Room)*

*Room 103 A/B*

Sunday, November 13 –  
Thursday, November 17  
Hours: 7:00 a.m. – 5:00 p.m.

### On-site Services at the Omni Fort Worth:

- Business Center – Fully staffed
- Coffee shop
- Concierge
- Dry cleaning/Laundry services
- Express check-in and check-out
- Full-service restaurant
- Guest room dining available 24 hours
- High-speed wireless Internet access
- Museum Store
- Sport's Bar
- Wine Bar
- Fully equipped fitness center
- In-room fitness options including a complimentary Get Fit Kit
- Full-service spa
- Swimming pool (6 a.m. – 10 p.m.) and pool bar

### Cyber Cafe

*Hall A Concourse*

Sunday, November 13  
3:00 – 6:00 p.m.

Monday, November 14  
7:00 a.m. – 5:00 p.m.

Tuesday, November 15  
6:45 a.m. – 5:00 p.m.

Wednesday, November 16  
7:00 a.m. – 6:30 p.m.

Thursday, November 17  
7:00 – 10:00 a.m.

## **Parking Near Fort Worth Convention Center**

- Located on Houston Street
- Daily rate is \$ 15.00 per entry

## **Parking – Omni Fort Worth**

- On-site valet parking, \$20
- Self parking is available in the city operated garage adjacent to the hotel for \$15.00
- Molly the Trolley - free trolley service with routes through downtown. Picks up in front of the hotel.

## **Restaurants located in the Omni Fort Worth**

Bob's Steak & Chop House – Bob's Steak & Chop House is a nationally renowned steak house specializing in the finest corn-fed, Midwestern prime beef.

Cast Iron Restaurant – Come taste the flavor of Fort Worth in our relaxing, yet casual three meals a day restaurant.

Wine Thief – A secluded yet inviting wine bar featuring various selections of wine paired with only the finest cheeses.

Whiskey & Rye – For those in search of a great watering hole, our Sport's Lounge features high definition video screens and live entertainment on weekends.

Water Horse Pool Bar – Fort Worth's premier outdoor venue featuring a full service bar with HD TVs, satellite music and a poolside menu prepared at our grill.

Starbucks® – Awaken to the convenience of a full-service Starbucks located within the hotel. Brewing 6:00 a.m. - 9:00 p.m. daily.

## Fort Worth Things to Do

### Arts & Culture

- Bass Performance Hall - 0.50 miles
- Kimbell Art Museum - 2.71 miles
- Amon Carter Museum - 2.8 miles
- Modern Art Museum of Fort Worth - 2.51 miles
- National Cowgirl Museum and Hall of Fame - 2.86 miles
- Fort Worth Museum of Science and History - 2.78 miles
- Sid Richardson Museum - 0.55 miles
- Fort Worth Opera - 2.60 miles
- Fort Worth Symphony Orchestra - 0.64 miles

### Attractions

- Sundance Square - .01 mile
- Fort Worth Stockyards - 3.27 miles
- Fort Worth Zoo - 3.85 miles
- Fort Worth Botanic Garden & Japanese Garden - 2.78 miles
- Fort Worth Herd Cattle Drive (11:30 a.m. & 4 p.m. daily) - 3.34 miles
- Six Flags Over Texas - 16.88 miles
- Log Cabin Village - 3.71 miles
- Stockyards Station/Grapevine Vintage Railroad - 3.34 miles
- Cowtown Cattlepen Maze - 3.40 miles
- Billy Bob's - 3.27 miles

### Shopping

- University Park Village - 3.10 miles
- Hulen Mall - 10.79 miles
- Ridgmar Mall - 7.09 miles
- North East Mall - 10.71 miles

### Outdoor Recreation

- Forest Park, miniature railroad - 3.39 miles
- Fossil Creek Golf Club - 8.78 miles
- Waterchase Golf Course - 10 miles
- Walnut Creek Country Club - 18.96 miles
- Canyon West - 38.6 miles

### Sports

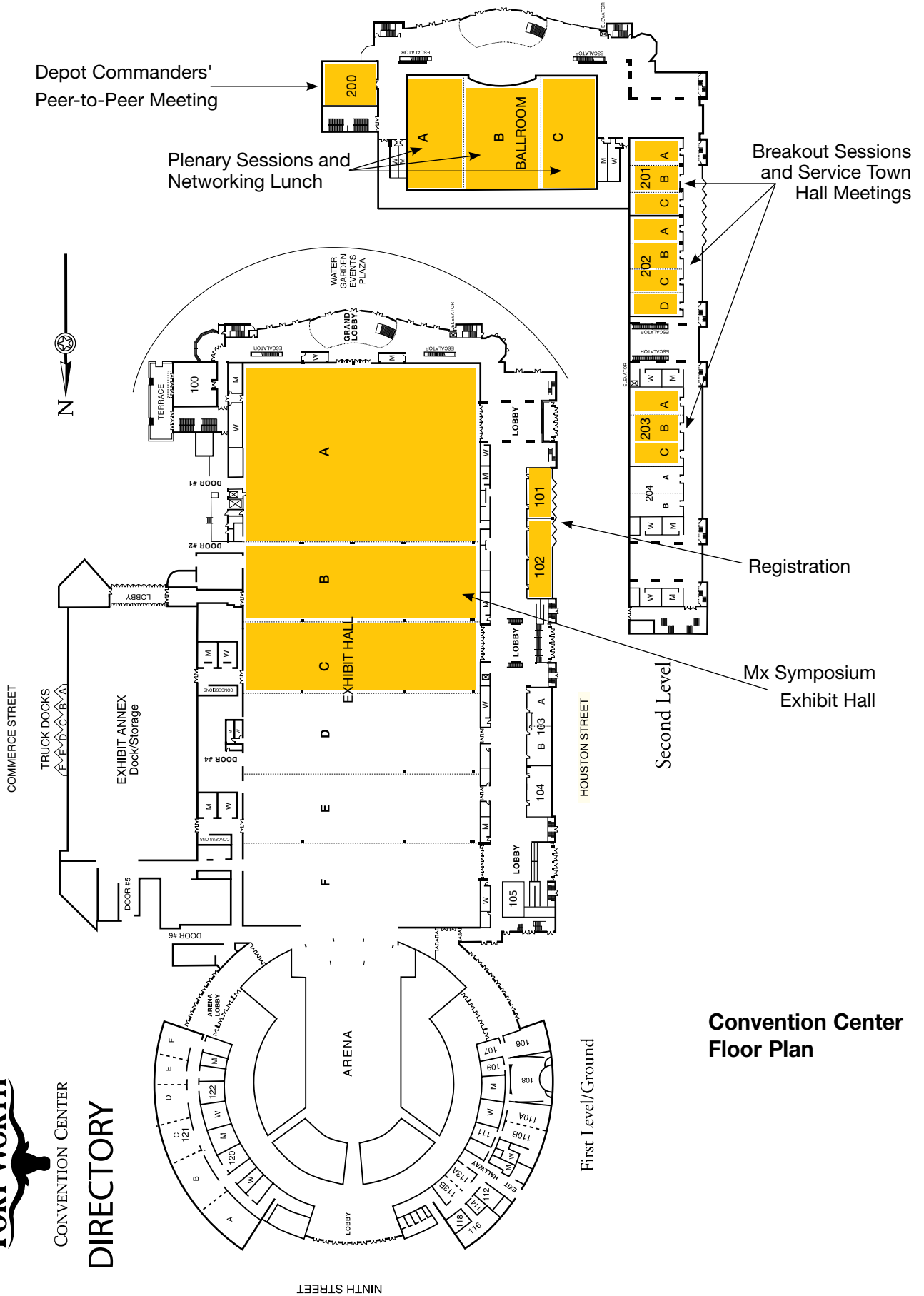
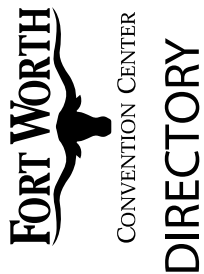
- Texas Motor Speedway - 22.17 miles
- Cowtown Coliseum - 3.25 miles
- Texas Rangers Baseball at Rangers Ballpark in Arlington - 16.24 miles
- Lone Star Park - 20.57 miles
- Dallas Cowboys Football at Cowboys Stadium - 16.24 miles
- Dallas Stars Hockey at American Airline Center - 32.72 miles
- Dallas Mavericks Basketball at American Airline Center - 32.97 miles

### Dining & Entertainment

- Brownstone - 2 miles
- Angelo's Barbeque (barbeque) - 2 miles
- Ferre Restaurant e Bar (Italian) - .7 miles
- Billy Bob's Texas - 3.28 miles
- Taverna (Italian) - 0.5 miles
- Daddy Jack's Seafood (New England seafood) - 0.55 miles
- Del Frisco's Double Eagle Steak House - 0.30 miles
- Mercury Chop House (steak house) - 0.56 miles
- Joe T. Garcia's (Tex Mex) - 2.96 miles
- Lonesome Dove Western Bistro (southwestern) - 3.14 miles
- Mi Cocina (Tex-Mex) - 0.45 miles
- P.F. Chang's China Bistro - 0.53 miles
- Reata (western cusine) - 0.63 miles
- White Elephant Saloon (western bar) - 3.21 miles



# FLOOR PLAN



**Convention Center Floor Plan**

# SPECIAL EVENTS AND NETWORKING OPPORTUNITIES

**SUNDAY  
NOVEMBER 13**

## **Golf Outing**

*The Golf Club at Fossil Creek*

3401 Clubgate Drive  
Fort Worth, Texas, USA 76137

9:00 AM Shotgun

What's Included: Green Fees, Unlimited Pre-Tee Off Driving Range, Golf Cart, Lunch-at-the-Turn, Prizes and 19th Hole Post Golf Reception

**\*Cost is \$99 per golfer. Transportation to the golf course is not provided**



## **A Special Thank You to Our Golf Outing Sponsors:**



Golf Hole # 1

**Raytheon**

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Golf Hole #3

**AECOM**

Golf Hole # 5

**Booz | Allen | Hamilton**

strategy and technology consultants

Golf Hole #8



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Golf Hole #18

**NORTHROP GRUMMAN**

Golf Hole # 2

**LMI**

Golf Hole #4 & #7

**Intermec®**

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Golf Hole #17

## **Exhibitor Only Reception**

*Water Gardens Event Plaza*

6:30 – 8:30 p.m.

Network with other exhibitors during this reception and enjoy light refreshments. This reception starts after exhibitor move in.

## Great Ideas Competition

Room 202 B-D

2:15 – 3:45 p.m.

**Objective:** Present a variety of maintenance technologies and processes, and, through audience vote, select the 2011 Great Ideas winner.

**Abstract:** Inputs were received and a committee has selected 6 outstanding candidates to present their Great Ideas to the Symposium audience for their vote. Each presenter will be given 15 minutes to highlight a promising new technology, process, or business practice that focuses on current or potential maintenance operations or management. Be part of the final selection process and help determine the Great Ideas winner.

## Welcome Reception

Exhibit Hall A-C

4:30 – 6:00 p.m.

The Exhibit Hall is always a highlight of the Symposium experience and a tremendous opportunity to visit with leading technology and maintenance providers from both the government and commercial sectors. This reception will offer ample time to tour the more than 150 exhibitors and military displays.

## Networking Reception

Exhibit Hall A-C

4:30 – 6:00 p.m.

Don't miss this opportunity to network. Complimentary cocktails and hors d'oeuvres will be available.

**MONDAY  
NOVEMBER 14**

### Welcome Reception

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**TUESDAY  
NOVEMBER 15**

### Tuesday Morning Break

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### Tuesday Lunch in Exhibit Hall

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# SPECIAL EVENTS AND NETWORKING OPPORTUNITIES

**WEDNESDAY  
NOVEMBER 16**

## Reception

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**NORTHROP GRUMMAN**

## Banquet

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strategy and technology consultants

## Secretary of Defense Maintenance Awards Reception

*Omni Fort Worth*

*Texas Ballroom Pre-function Area*

6:00 – 7:00 p.m.

## Secretary of Defense Maintenance Awards Banquet

*Omni Fort Worth*

*Texas Ballroom*

7:00 – 9:30 p.m.

Banquet Speaker:

### **GEN Robert Cone, USA**

Commanding General

U.S. Army Training and Doctrine Command



Annually, the Secretary of Defense Maintenance Awards honor the “best of the best” within the DoD maintenance community. A team of senior maintenance leaders from across the Military Services and OSD selects the top six field-level military maintenance organizations from active and reserve units worldwide. Of the six winning units, one is selected as the top maintenance unit for the year and receives DoD’s highest field-level maintenance award, the Phoenix Trophy. Also awarded as the pinnacle of depot maintenance achievement and recognition is the Robert T. Mason Award for Depot Maintenance Excellence.

## The Exhibition

### “Best in Show” Booth Awards

Instituted at the 2009 DoD Maintenance Symposium, the exhibition hall will again feature the “Best in Show” awards. The competition will be divided into three distinct categories: displays of 200 square feet or less; displays of greater than 200 square feet; and a separate competition between Military Service display areas.

Attendees will serve as judges, selecting two winners for the above and below 200 square feet category. For the Military Display areas, the most senior military logisticians in attendance will review each area and select the winning military display. Attendees can vote via kiosks located in the registration area. All “Best in Show” awards will be presented during the plenary session on Wednesday, November 16, 2011.

## **Technical Tours**

### **American Airline's Maintenance Base at Alliance Airport**

10:00 a.m. - 2:00 p.m.

This is your chance to compare and contrast your Maintenance Repair and Overhaul (MRO) operation against this commercial aircraft maintenance benchmark. It is an unbelievable opportunity to gain insight into: what metrics are used to drive maintenance performance, how a commercial aircraft MRO trades off cost and schedule, how touch labor resources are managed and applied, what material support approaches make these capabilities most effective, how work scheduling is accomplished and what information systems are used, what the scheme is for providing secondary (repairable) components, what periodicity of aircraft visits to the maintenance facility are optimal, how to determine if the scheduled maintenance cycle should be accomplished in discrete phases, and find out if having advance knowledge of the aircraft's condition before arrival is beneficial.

Fee: \$50—includes lunch & transportation

Important Note: Proof of US citizenship and Photo ID required.

Registration required. Limited availability.

### **Lockheed Martin Aeronautics Manufacturing Facility**

10:00 a.m. - 3:00 p.m.

Visitors will begin the tour with a trip down Legacy Hall, for an opportunity to view Lockheed Martin's rich legacy of aircraft production over the past 100 years. As you enter the production area, you will experience: an overview briefing of Lockheed Martin Aeronautics, the exciting innovations in sustainment and logistics at the F-35 autonomous Logistics Global Sustainment Center, as well as a guided tour of the F-35 aircraft Component Mate Stations and the Moving Assembly Line where you will see this advanced jet fighter in its final stages of assembly—just prior to rolling it out of the factory for flight test.

Fee: \$50—includes lunch & transportation

Important Note: Proof of US citizenship and Photo ID required.

Registration required. Limited availability.

### **Peterbilt Motors Company Manufacturing Facility**

10:00 a.m. - 1:00 p.m.

Areas covered that will be of interest to tour attendees include: design for manufacturing capability; design for future maintainability and reliability; similarities of a production line and maintenance line – especially relative to having appropriate components, materials and labor available; and industrial engineering capabilities in-plant in conjunction with the ongoing continuous process improvements that result in quality and customer satisfaction achievements. DoD Maintenance Symposium delegates registering for this tour will also observe these elements along with the craftsmanship and technology present throughout the plant, which has a maximum capacity of 150 trucks manufactured per day. Tour participants will kick-off with a welcome, overview, and walk through the PACCAR Technology Display before seeing the manufacturing technologies highlighted on the plant tour, which will be covered in the sequence that the trucks are built. As this audience has a great interest in maintenance centric technologies and advancements, the on-board diagnostics and prognostics features of the trucks will be covered during the tour.

Fee: \$50—includes lunch & transportation

Important Note: Proof of US citizenship and Photo ID required.

Registration required. Limited availability

*(continued on next page)*

**THURSDAY  
NOVEMBER 17**

## Technical Tours (continued)

### Bell Helicopter Repair and Overhaul Center

10:00 a.m. - 2:00 p.m.

Symposium attendees interested in the maintenance and support of rotorcraft weapon system platforms will not want to miss the chance to tour the Bell Helicopter Repair and Overhaul Center. A Textron Company, Bell Helicopter is one of the world's premier providers of vertical lift aircraft in the commercial and military arenas. Registrants for this tour will have the opportunity to experience first-hand the day-to-day operations, hear about the various functions, and touch points that keep these aircraft flying and ensure their mission readiness.

The Bell Helicopter Repair and Overhaul Center is a state-of-the-art maintenance repair and overhaul facility poised to make repairs expeditiously, while maintaining the highest levels of quality and integrity. Capabilities of the Repair and Overhaul Center span the entire spectrum of components installed on Bell Helicopter's military aircraft platforms. These elements include composites, drive systems, rotors, avionics, instruments, electromechanical and hydraulics.

Fee: \$50—includes lunch & transportation

Important Note: Proof of US citizenship and Photo ID required.

Registration required. Limited availability



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## Breakouts

### **Unmanned Aircraft Systems – Maintenance Support Challenges**

8:00 – 9:30 a.m.  
Room 203 A-C

**Objective:** Discuss the challenges and opportunities of mixed maintenance packages (contractors, civilians, and military) for Unmanned Aircraft Systems, to include field-level maintenance in support of deployed operations and home-station training as well as depot-level maintenance.

**Abstract:** The Department of Defense is increasing employment of the versatile, multi-role Unmanned Aircraft Systems (UAS) in support of national security requirements. UAS are used every day for battlefield intelligence, surveillance and reconnaissance, strike missions as well as in support of Humanitarian Assistance/Disaster Relief. Acquired through rapid acquisition and fielding procedures, UAS fleets have successfully delivered urgently-needed capabilities to commanders while generally relying on contractor logistics support for all levels of maintenance. Each of the Military Services has established field-level UAS maintenance capabilities at the organizational level. They have also recognized the requirement to establish organic UAS-related core depot maintenance capabilities.

As UAS programs are “normalized,” the Services plan to maintain their growing UAS fleets through a combination of contractors, DoD civilians, and military personnel. Session topics will include: troubleshooting and repair capability; depot sourcing decisions; technical data use and availability; and joint-maintenance training opportunities. This session is a must for military and civilian maintainers and planners to understand the current and future maintenance challenges and requirements for supporting a rapidly growing component of future military capability – UAS.

**Moderator:**

**Mr. John Stankowski**, Senior Maintenance Analyst, Office of the Deputy Assistant Secretary of Defense for Maintenance

**Panelists:**

**Mr. Edward Ward**, Fleet Manager / Product Sustainment Manager, U.S. Army  
Program Manager for Unmanned Aircraft Systems

**Ms. Cynthia Hertenstein**, Chief of Logistics, Medium Altitude UAS Division,  
Aeronautical Systems Center, U.S. Air Force

**Mr. Baron Asher**, Manager, Predator/Reaper Logistics & Sustainment, USAF  
Programs, General Atomics Aeronautical

**Mr. Daryl Kitchen**, Global Hawk Product Support Manager, IS&R Directorate,  
Aeronautical Systems Center, U.S. Air Force

**CDR Frank Naylor**, USN, Joint Efficiencies IPT Lead, Persistent Maritime Unmanned  
Aircraft Systems

**MONDAY**  
NOVEMBER 14

### **Continental Breakfast**

Ballroom Foyer

7:00 – 8:00 a.m.

**MONDAY**  
NOVEMBER 14

**Networking Break**  
Ballroom Foyer  
9:30 – 9:45 a.m.

## **Commercial vs DoD Aviation MRO's – Contrast and Compare**

8:00 – 9:30 a.m.  
Room 201 A-C

**Objective:** *Learn about commercial aviation MRO activities and compare / contrast with the government sector.*

**Abstract:** Commercial and government sector Maintenance, Repair, and Overhaul (MRO) operations have both similarities and differences, yet ultimately, they strive to produce a similar outcome – reliable platforms ready for safe operation at best value. Many significant factors can affect their management and leadership, and influence their results, including oversight requirements, personnel certifications, supply chain differences, operational needs, and others. In this interesting session, panelists will highlight the key issues that drive their maintenance performance and organizational decisions and discuss areas for common practices, processes, and technologies. The government continues to look at industry for models and examples to improve efficiency and decrease flow time. Panelist will consist of government and industry representatives from both operator and third party vendors.

*Moderator:*

**RADM Mike Finley**, USN (Ret), Partner, Managing Director, Government, Aerospace & Defense, PRTM

*Panelists:*

**CAPT Fred Melnick**, USN, Vice Commander, Fleet Readiness Centers

**Mr. Fred Cleveland**, Chief Operating Officer and Senior Vice President of Technical Operations, American Eagle Airlines

**Mr. Brian Hirshman**, Senior Vice President, Technical Operations, Southwest Airlines

**Mr. Kevin Casey**, President, PEMCO World Air Services

**Mr. Steve Walker**, B-1 High Velocity Maintenance Team Lead, Oklahoma City Air Logistics Center, U.S. Air Force

## **Information: Underpinning Readiness at the Right Cost and Effective Life-cycle Maintenance**

9:45 – 11:15 a.m.  
Room 203 A-C

**Objective:** *Explore the role and future of information across the maintenance environment.*

**Abstract:** Accurate, timely system- and part-specific information is essential if future maintainers are to operate effectively and deliver required readiness at acceptable costs. Given an information-rich environment, each maintenance decision and action needs to optimally balance the application of resources with the achieved readiness outcome. What does information mean to the future maintenance environment? Are information-generating capabilities such as enterprise resource planning systems, item-unique identification, serialized item management, and increasingly intelligent health management systems going to lead to realization of highly effective life-cycle maintenance? How are the Services addressing the challenges of creating support for this new environment? In this session, leading thinkers charged with shaping, managing, or influencing the future maintenance information environment will explore their vision of how usable information may be delivered to support maintenance operations, how that information might be leveraged, and what potential changes might occur in maintenance and readiness outcomes.

*Moderator:*

**Mr. Todd Mellon**, Director of Industrial & Logistics Maintenance Planning/Sustainment Department, Joint Strike Fighter Program





*Panelists:*

- Maj Gen Andrew Busch**, USAF, Commander, Ogden Air Logistics Center  
**RDML(S) CJ Jaynes**, USN, Assistant Commander for Logistics & Industrial Operations, Naval Air Systems Command  
**Mr. Steve Karl**, Director of Life Cycle Logistics Policy, Office of the Deputy Assistant Secretary of the Army, Acquisition Policy and Logistics  
**Mr. Shaugnessy Reynolds**, Director, Life Cycle Logistics & Support, Northrop Grumman Aerospace Systems

**DoD Weapon System Acquisition Reform – Product Support Assessment Team (PSAT) Implementation- Industrial Integration**

9:45 – 11:15 a.m.  
Room 202 B-D

**Objective:** Provide updated information on PSAT Implementation with a focus on efforts aimed at enhancing Industrial Integration across the Public and Private sectors in a declining budget environment.

**Abstract:** PSAT Implementation is ongoing and is a critical component tied in to an assortment of acquisition, lifecycle sustainment, and maintenance areas. In the Maintenance area there have been several ongoing activities aimed at better understanding and enhancing the effectiveness of Product Support Partnerships. The Industrial Integration IPT has just completed a Product Support Partnership survey and is in the process of finalizing results and recommendations for improvements; an Industrial Partnering Handbook has been developed that will aid in better understanding of partnering arrangements/processes; The Aerospace and Industries Association and the Commander Fleet Readiness Center have completed a partnering exchange event that was aimed at looking for ways to expand and improve the Partnering Processes. Under a Congressional charter, a Depot Maintenance Study (322) has just been completed and contains recommendations on how DoD can improve Depot Management from a legislative and business standpoint. DLA is working with the Services and industry to investigate getting better buying power through enterprise PBLs. OSD has recently issued guidance on Life Cycle Sustainment Planning and how the Product Support Manager develops a sustainment strategy that evaluates public and private alternatives using business case analysis.

*Moderator:*

**Mr. John Baranowski**, Acting Deputy Assistant Secretary of Defense for Materiel Readiness

*Panelists:*

- Mr. Mark Gajda**, Strategy and Plans Branch Head, Office of the Deputy Assistant Secretary of Defense for Materiel Readiness  
**Mr. John Sutton**, Senior Policy Analyst, Office of the Deputy Assistant Secretary of Defense for Maintenance  
**CAPT John Spicer**, USN, Performance Based Logistics Lead, Defense Logistics Agency  
**Dr. Dave Oaks**, Senior Consultant, Maintenance & Readiness Management, LMI  
**Mr. Joe Fengler**, Director, Military Logistics Policy, Honeywell, Global Government Operations

**Networking Lunch**  
Ballroom C

11:15 a.m. – 12:15 p.m.

**MONDAY**  
NOVEMBER 14

## **DLA Supply Support to the DoD Maintenance Enterprise**

12:30 – 2:00 p.m.  
Room 201 A-C

**Objective:** Acquaint the attendees with DLA's maintenance support efforts, address their challenges in a reduced fiscal environment, and present their Performance Based Logistics (PBL) and optimization initiatives.

**Abstract:** The Defense Logistics Agency is America's Combat Logistics Support Agency. They provide effective and efficient worldwide support to Warfighters. How does DLA standardize best practices; provide transparent support; align to Warfighter requirements; optimize sustainment support; leverage synergies; and provide the right outcome at the best value for the Department of Defense? As DLA's mission evolves and expands, how have they met the challenges, changing responsibilities, and leverage best supply chain practices to ensure excellence in service to the Warfighter? How do they adjust to a constrained economic environment, to stay Warfighter-focused, globally responsive, and a fiscally responsible supply chain leader? With numerous current and emerging challenges ahead for the Department, DLA has a renewed focus on more efficient business operations. Have PBL and optimization initiatives provided an outcome based support strategy that delivers an integrated, affordable, performance solution designed to improve system readiness? Senior DLA officials will present their strategies and initiatives to better support the Warfighter while senior civilian managers from the Service's materiel and logistics commands will provide their assessment of these efforts to date.

*Moderator:*

**Mr. Redding Hobby**, Deputy Director, Defense Logistics Agency

*Panelists:*

**Ms. Lisha Adams**, Deputy Chief of Staff, G4, Support Operations Army Materiel Command

**Mr. Mike Madden**, Executive Director, U.S. Marine Corps Logistics Command

**Ms. Lorna Estep**, Deputy Director of Logistics, Directorate of Logistics and Sustainment, Headquarters Air Force Materiel Command

**Mr. William Budden**, Deputy Commander, Defense Logistics Agency Distribution Center, New Cumberland

**Mr. James McClaugherty**, Deputy Commander, Defense Logistics Agency Land & Maritime, Columbus



## **Perspectives in Public Private Partnering**

12:30 – 2:00 p.m.  
Room 202 B-D

**Objective:** *Explore the broad range of variables that have been incorporated into partnerships or could be incorporated through creative interpretation of policy and statute. Deliberate on the art of the possible and draw conclusions about barriers and enablers to partnering under the present statutory and regulatory environment. Overall message is that we have made great strides, but there are even greater opportunities to be realized if we continue to be creative and reach for stretch goals.*

**Abstract:** Four perspectives will be presented that underscore very different experiences in public-private partnering (PPP). First, FRC Southwest observations on potential and actual partnerships will paint a picture of the range of partnership possibilities, the ones that were landed, and the ones that got away. Second, the US Naval Aviation Warfare Center, Aircraft Division (NAWCAD) will discuss the use of public-private partnerships in support of RDT&E, and the contrasting roles and benefit streams achieved in this environment when compared to the Depot Industrial PPP. The third perspective will provide insights into the development of a PPP environment in support of the world's largest ever acquisition – the F-35 Joint Strike Fighter – and the challenges overcome in the establishment of partnering agreements that will be applied across numerous products, suppliers, and government entities. Lastly, we will discuss the range of possibilities from the perspective of commercial industry exploring both the well captured opportunities and those that missed the mark.

*Moderator:*

**Mr. John Sutton**, Senior Policy Analyst, Office of the Deputy Assistant Secretary of Defense for Maintenance

*Panelists:*

**Mr. Frank Cambra**, Technical Lead, Sustainment Business Execution, Lockheed Martin

**Mr. Bill Reschke**, Plant Manager, Fleet Readiness Center Southwest

**Mr. Luke Gill**, President, G-Squared Limited

**Mr. Rick Tarr**, Commercial Service Agreement Program Manager, Naval Air Systems Command

**MONDAY**  
NOVEMBER 14

**Networking Break**  
*Ballroom Foyer*  
2:00 – 2:15 p.m.

## ***It's the Law: Depot Maintenance & Title 10***

*12:30 – 2:00 p.m.*  
*Room 203 A-C*

**Objective:** *Describe the requirements of Title 10 maintenance-related statutes, clarify common misconceptions, and to present the Capitol Hill perspective.*

**Abstract:** This informative session will discuss the requirements stated in Title 10 of the U.S. Code and the impact on depot maintenance. This session will examine the definition of depot maintenance and application of Core Law, 50/50, the \$3 million rule, and the prohibition on management by end strength. It will also address the partnering provisions, the minimum capital investment for certain depots, and the sale of depot services. There are potential changes to statutes that will be discussed as well. This session is a must for those new to Acquisition Logistics or the depot maintenance environment and it's a great refresher for seasoned maintainers.

*Introductions :*

**Mr. John Johns**, Deputy Assistant Secretary of Defense for Maintenance

*Panelists:*

**Ms. Vickie Plunkett**, House Armed Services Committee, Professional Staff Member

**Ms. Corey Battistoni**, Senior Policy Analyst, Office of the Deputy Assistant Secretary of Defense for Maintenance



## **Potential New Considerations for Making Source of Repair Decisions**

2:15 – 3:45 p.m.  
Room 201 A-C

**Objective:** *Identify potential considerations that should be taken into account when making a source of repair decision for a core-designated depot maintenance capability requirement.*

**Abstract:** The way the government makes a depot maintenance core determination, and a related source of repair decision, is under review. The current methodology is being assessed for incorporation of related topics such as a consideration of Title 10 USC 2466, the 50/50 rule, and its influence on a source of repair decision. Other criteria may also apply, including examples such as risk assessments, investment and operating cost, single versus dual sourcing, fleet size, triggering mechanisms for review of established capabilities, and the application of existing Government Furnished Equipment. A panel of government and industry experts will discuss the range of possible considerations, identify common points of interest that should be addressed in new policy criteria, and form a rationale for the additions.

*Moderator:*

**RDML Timothy Matthews**, USN, Director, Fleet Readiness Division, Office of the Chief of Naval Operations

*Panelists:*

**Mr. Mike Madden**, Executive Director, U.S. Marine Corps Logistics Command

**Ms. Lorna Estep**, Deputy Director of Logistics, Directorate of Logistics and Sustainment, Headquarters Air Force Materiel Command

**Mr. Lou Kratz**, Vice President, Logistics and Sustainment, Lockheed Martin Corporation

**Mr. Steve Karl**, Director of Life Cycle Logistics Policy, Office of the Deputy Assistant Secretary of the Army, Acquisition, Policy and Logistics

**MONDAY**  
NOVEMBER 14

## **Approaches for Maintenance Leadership of the Future**

2:15 – 3:45 p.m.  
Room 203 A-C

**Objective:** Discuss the Department of Defense's potential approaches to identifying and developing key skills, experience, and training for future Maintenance leadership.

**Abstract:** The Department is anticipating personnel constraints and resource reductions. However, the demand for military operations on multiple fronts is ongoing and service members have taken on the additional role of institutionalizing a logistics management capability in Iraq and Afghanistan. In this challenging environment, the skill-set, expertise and leadership ability of the maintenance community will be even more critical to the success of the tactical mission and nation-building effort. In this informative session, panel members from the Pentagon, the Military Services and Industry will discuss the necessary processes and steps to developing our future leaders. Session topics will include: identifying future maintenance leaders; training, job experience, and career broadening; providing advice and training to other military activities as an emergent requirement; and career-field incentives that enable retention. Also to be developed will be recommendations to ensure that this critical workforce is assigned to and appropriately empowered in key roles in theater contingency operations. This will be an action-based discussion that will contribute to underpinning DoD approaches for development of highly effective maintenance leaders, who can meet the continually evolving maintenance challenges.

*Moderator:*

**Mr. John Johns**, Deputy Assistant Secretary of Defense for Maintenance

*Panelists:*

**Mr. Ross Marshall**, Executive Director, Oklahoma City, Air Logistics Center, U.S. Air Force

**BG Clark LeMasters, Jr**, USA Chief of Ordnance, Commandant, U. S. Army Ordnance Schools

**Col Aaron Camele**, USMC, Commander, Defense Contract Management Agency, Bell Helicopter

**Col Michael Morreale**, USAF, Maintenance Division Chief, Logistics Directorate, The Joint Staff

**Mr. Mike Ivy**, Vice President & General Manager, U.S Army Programs, Oshkosh Defense



## **Great Ideas Competition**

2:15 – 3:45 p.m.  
Room 202 B-D

The Great Ideas Competition provides a forum for the sharing of new ideas relative to maintenance technologies and processes, and through audience vote, the 2011 Great Ideas winner is selected.

Six finalists will be selected from all eligible Great Idea submissions. These finalists will highlight their promising new technologies, processes, or business practices to the Symposium audience. Each presenter will have 15 minutes to make their case as to why they should be chosen as the best of the Great Ideas participants. Following all Great Ideas presentations, a winner will be selected through audience vote. Plan now to be a part of the final selection process and help determine the 2011 Great Ideas winner.

### **2011 Great Ideas Competition Finalists:**

**Ken Anderson** - Neural Electronic Repair & Diagnostic System (NERDS)

**George Cushnie** - Modernization of Metal Electroplating with No-Mask Conforming Anodes

**Frank Elliott** - Composite Structure Inspection and Repair Preparation Cell (IRPC)

**Kris Lanoway** - My Herc Don't Work™: From Virtual Experience to Real Capability

**Tom Ingram** - Miniature Micro-miniature Module Test and Repair (2M MTR)

**Randy Kirk** - Automated Process & Inspection Guide

Please join us in the exhibit hall opening at 4:00 pm. The welcome reception will be held in the exhibit hall from 4:30 to 6:00 p.m.

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# BREAKOUT AND TECHNICAL SESSIONS

**TUESDAY**  
November 15

**Continental Breakfast**

*Ballroom Foyer*

6:45 – 7:45 a.m.

**Tuesday Morning  
Refreshment Break**

9:30 - 10:00 a.m

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**Raytheon**

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7:45 – 9:30 a.m.

**Official Opening**

**OSD – Mr. John B Johns**

Deputy Assistant Secretary of Defense for Maintenance

Mr. Johns is Deputy Assistant Secretary of Defense for Maintenance. In this position, he is responsible for oversight of the Department's annual \$84 billion maintenance program.

In 2010, Mr. Johns served in Iraq as Director, Training and Advisory Mission, Iraqi Ministry of Defense, and Director, Iraqi Security Forces Logistics where he was responsible for both the full range of advisory and training functions required to establish governance of Iraqi Defense operations, as well as, develop the logistics infrastructure and processes to maintain readiness of both conventional military forces and police forces.

In past assignments, Mr. Johns has served the Army and Navy in technology development, engineering, program management, and logistics positions. His assignments with the U.S. Army Aviation and Missile Command included Associate Director for Systems, Aviation Research, Development, and Engineering Center where he was responsible for the provision of engineering support to all Army Aviation systems, Principal Assistant Deputy for Systems Acquisition where he was responsible for lifecycle management of over 20 Army aviation, missile, and ground systems with an annual budget of approximately one billion dollars, and Deputy Commander for Systems Support where he managed overhaul and maintenance, or RESET, of all aviation and missile systems redeployed from Iraq and Afghanistan. He also served as Special Assistant to the Commanding General, U.S. Army Materiel Command from July 2004 to August 2005. In August 2005, he joined the Navy as a member of the Senior Executive Service as the Director of Industrial Operations, Naval Air Systems Command, and Deputy Commander of Fleet Readiness Centers, Naval Air Forces where he was responsible for naval aviation maintenance operations across six subordinate commands, with a workforce of over 14,000 personnel and an operating budget of approximately four billion dollars, and oversaw annual maintenance and repair of over 600 aircraft, 7500 engines and modules, and 500,000 components and support equipment.

Mr. Johns holds a Bachelor of Science in Aerospace Engineering from Penn State University and a Master's in Aeronautics and Astronautics from Purdue. He is also a graduate of the National Security Management Program, National Defense University.





## Keynote



### **Claude V. 'Chris' Christianson**

Lieutenant General, USA (Ret)

Director, Center for Joint and Strategic Logistics, National Defense University

Mr. Christianson currently serves as the Director of the Center for Joint and Strategic Logistics, a research organization under the National Defense University.

Prior to this position he served as the Chief Executive Officer of Global Logistics Associates LLC, an Alexandria, VA-based, member-owned, limited liability company specializing in professional logistics and supply chain services.

Mr. Christianson's military career culminated as the Director of Logistics, J4, on the Joint Staff. As the J4 he synchronized joint logistics support across all Services and DoD agencies in support of operations worldwide.

As the Army's Deputy Chief of Staff for Logistics, G4, Mr. Christianson drove the fielding of a commercially-sourced satellite network to the logistics domain, connecting logisticians across forward-deployed, austere environments.

Mr. Christianson served as the Chief of Logistics, C4, Coalition Land Forces Command (CFLCC), during Operation Iraqi Freedom in Kuwait from 2002-2003, where he directed the planning and execution of logistics support for more than 240,000 ground forces and over more than 300,000 square miles.

From 2000 – 2002, as the Deputy C4 (Logistics) for Combined Forces Command, U.S. Forces Korea Director of Logistics, J4, and Eighth U.S. Army Deputy Commanding General (Support), Mr. Christianson directed the planning and execution of logistics operations in support of all combined and joint forces in Korea.

From 1998 – 2000, Mr. Christianson served as Deputy Commanding General, 21st Theater Support Command, European Theater Support Command in Germany where he coordinated the execution of European logistics support for Operation Joint Guardian (Kosovo).

Mr. Christianson is a distinguished military graduate of the North Dakota State University Army ROTC program and holds a B.S. in Industrial Engineering.

**TUESDAY**  
November 15

Please join us in the exhibit hall at 11:30 a.m. A buffet lunch will be served.

**Lunch**  
Sponsored by



## **Plenary Session**

### **Satisfying Readiness Requirements with Reduced Resources**

10:00 – 11:30 a.m.  
Ballroom A-C

**Objective:** Explore DoD's potential approaches to address necessary means and methods to accommodate resource reductions and efficiency opportunities.

**Abstract:** Delivering readiness in the face of already reduced resources – and facing more reductions in the future – portends a battle DoD logisticians and maintainers must take on and win! As noted by the Secretary of Defense, and as a matter of principle and Departmental reality, the maintenance community cannot expect approval of its resource requirements unless we are doing a great job, indeed everything possible, to make every dollar count. Working in consonance with the warfighters, we must ensure that requirements are valid and essential – and then we need to be aggressive and innovative in how we satisfy those requirements, delivering the necessary outcomes with the greatest possible efficiency. We need to consider means and methods, which by 2020 can help us cut maintenance cycle times in half and reduce costs by up to 25%. A Government/industry panel led by the Deputy Assistant Secretary of Defense for Maintenance will address this challenge – and opportunity – from a wide range of perspectives, illuminating the path ahead and the necessary outcomes to include potential new strategic planning direction.

*Moderator:*

**Mr. John Johns**, Deputy Assistant Secretary of Defense for Maintenance

*Panelists:*

**BG Clark LeMasters, Jr.**, USA, Chief of Ordnance, Commandant, U. S. Army Ordnance Schools

**RDML Timothy Matthews**, USN, Director, Fleet Readiness Division, Office of the Chief of Naval Operations

**Mr. Scott Reynolds**, Deputy Assistant Secretary of the Air Force for Logistics, Headquarters U.S. Air Force

**Mr. Dave Berteau**, Senior Adviser and Director of the Defense-Industrial Initiatives Group, Center for Strategic & International Studies

**Ms. Cathy Garman**, House Armed Services Committee, Professional Staff Member,

**Mr. Regis Luther**, Vice President, Portfolio / Product Management and Defense Engineering, Navistar Inc.



## Breakout Sessions

### **Enabling Maintenance in a Net-centric Environment**

2:00 – 4:00 p.m.  
Room 201A-C

**Objective:** Gain insight into maintenance enablers, challenges, and benefits in a Fully Open, Net-Centric Environment.

**Abstract:** What does it mean for individual maintainers to be “connected” in their maintenance environment? Both DoD and commercial industry are making marked progress toward achieving the vision where technicians at the point of maintenance are able to access all appropriate technical information, submit requisitions and receive updated status, contact other technical assistance resources, retrieve item specific and class level repair history and trends, document current maintenance and configuration activity, automatically populate data bases, and provide readiness information for operational use. In this session, we will show an enterprise view of how these net-centric enablers provide benefits for the “connected” maintainer to be more effective and efficient, to facilitate precision maintenance, and to improve equipment availability and reliability in a shorter cycle time at best cost.

*Moderator:*

**Mr. Greg Kilchenstein**, Senior Policy Analyst, Office of the Deputy Assistant Secretary of Defense for Maintenance

*Panelists:*

**Mr. Chris Smith**, Director, Condition Based Maintenance, US Army Aviation and Missile Command, Integrated Material Management Center

**Mr. Mike DiUlio**, Integrated Condition Assessment System Program Manager & Technical Authority, Naval Sea Systems Command

**Mr. Robert Charlton**, Chief Executive Officer, GiD Solutions LLC

**Mr. Blair Gregg**, Managing Director Technical Systems Strategy, American Airlines

**Mr. Joseph Schmidley**, V-22 Automated Logistics Environment Team Lead, Naval Air Systems Command

**TUESDAY**  
November 15

## **Maintenance-Saving Corrosion Prevention Projects**

2:00 – 4:00 p.m.  
Room 202 B-D

**Objective:** Disseminate information on highly successful corrosion prevention and control projects that are producing large savings for maintenance operations.

**Abstract:** The estimated cost of corrosion for all DoD equipment and infrastructure is \$22.9 billion annually which represents approximately one fourth of all maintenance. The DoD Corrosion Program has funded over 175 corrosion prevention and control projects over the past 6 years to demonstrate applications of new technologies and processes. These projects are jointly funded by the OSD Office of Corrosion Policy and Oversight and the Military Departments. Many are resulting in significant maintenance savings. A sampling of these effective methods for reducing the maintenance burden and improving readiness will be presented in this session.

*Moderator:*

**Mr. Richard Hays**, Deputy Director, Office of Corrosion Policy and Oversight, Office of the Secretary of Defense, Acquisition Technology & Logistics

*Panelists:*

**Mr. Bill Needham**, Materials Engineer, Naval Surface Warfare Center, Carderock Division

**Mr. Bernard Friend**, Corrosion Prevention & Control Operations and Sustainment Manager, Marine Corps Systems Command

**Mr. Steven Carr**, Aviation and Missile Command Corrosion Program Manager, U.S. Army Research and Development Command

**Mr. Fred Lancaster**, Materials Engineer, Aerospace Materials Division, Naval Air Systems Command

## **Free NACE Training for DoD Personnel**

4:00 – 5:00 p.m.  
Room 202 B-D

NACE International will provide information regarding free NACE corrosion training for DoD personnel and how that training will provide support to the efforts of the Department to control and mitigate corrosion of military equipment and infrastructure.

NACE International provides DoD Personnel with free corrosion training to help control a \$29 billion dollar problem caused by the corrosion of military equipment and infrastructure. This training includes courses in Coating Inspection, Coating Inspection of Maritime Structures, Cathodic Protection, Corrosion Assessment of Ships, as well as General Corrosion Education. Many of these courses result directly in NACE International Certifications which are the most widely specified and recognized corrosion certifications in the world. These courses are written and vetted by industry experts and present specific methodology and technology to help decrease the presence of corrosion and introduce prevention measures to a variety of industrial structures.

*Presenter:*

**Carmen Peebles**, Training Coordinator, NACE International



## **Maintenance Requirements – “It’s all about the Money”**

2:00 – 4:00 p.m.  
Room 203 A-C

**Objective:** *Identify and understand how Service PPBE authorities ensure that maintenance requirements generation processes are properly integrated into budget submissions and agency management and operation. Also understand how these processes enable the DoD to meet the mandate to focus federal programs on performance and achieving required performance measures.*

**Abstract:** In this informative session, each Service will present an overview of how required levels of performance in war-fighter capability areas are translated into valid and accurate financial requirements for maintenance, repair, and overhaul operations. These presentations will reveal how each Service presents the consequences of funding a program at one level versus another and how accessibility to this information provides meaningful information to resource decision makers within the Services and OSD. It will explore the many challenges of 1) establishing meaningful performance levels, 2) accurately predicting maintenance requirements associated with these levels, and 3) relating these maintenance requirements to the required performance of those engaged in maintenance, repair, and overhaul operations. This discussion will set a foundation for the current variability and should begin to reveal if improved validity/accuracy is achievable and what benefits would accrue. This session is a must for any military and civilian attendees that believe “it’s all about the money”.

*Moderator:*

**Mr. Joe Mata**, Chief, National Level Maintenance, Directorate for Maintenance,  
Headquarters U.S. Army

*Panelists:*

**Dr. Chien Huo**, Senior Program Analyst, Cost Assessment and Program Evaluation,  
Force & Infrastructure Analysis, Office of the Secretary of Defense

**CDR Darryl Lenhardt**, USN, Aviation Depot Maintenance Resource Officer, Fleet  
Readiness Division, Office of the Chief of Naval Operations

**Mr. Brian Burks**, Chief, Depot Operations Division, Directorate of Logistics, Air Force  
Materiel Command

**Mr. Richard Stauffer**, Deputy, Logistics Policy & Capabilities Branch, Installations &  
Logistics Department, U.S. Marine Corps

Please join us in the exhibit hall at 4:00 p.m. A networking reception will be held in the exhibit hall from 4:30 until 6:00 p.m.

**WEDNESDAY**  
November 16

**Continental Breakfast**

Ballroom Foyer

7:00 – 8:00 a.m.

## Plenary Sessions

8:00 – 11:30 a.m.  
Ballroom A-C

### Welcome



**Mr. Bharat Vedak**

Vice President, TCI and Deliver Customer Value  
John Deere

Vice President Commercial Vehicle  
SAE International

Bharat Vedak is Vice President, TCI and Deliver Customer Value, a position he's held since June 2010. He leads the enterprise initiative to redefine how John Deere most efficiently develops and delivers products and services to its global customer base. Vedak is also responsible for the John Deere Technology Center in India.

Vedak first joined John Deere in 1974 at its Product Engineering Center in Waterloo, Iowa, and completed a number of assignments there. In 1983, he became Manager, Quality Engineering at the John Deere Engine Works, and eventually was appointed Vice President of Engineering for John Deere's Rotary Engine Division. In 1990, he joined Cummins, Inc. as an executive engineer, and advanced to the position of Vice President, Industrial Customer Engineering. He returned to John Deere in 2005 when he was named to the position of Senior Vice President, John Deere Intelligent Mobile Equipment Technologies. In May 2009, Vedak was appointed Senior Vice President, John Deere Intelligent Solutions Group.

Vedak has a bachelor's degree in agricultural engineering from the Indian Institute of Technology in Kharagpur, India, a master's degree in agricultural engineering from North Carolina State University, and a MBA from the University of Northern Iowa.

Vedak serves on the Board of Directors as Vice President Commercial Vehicle and is a Fellow of SAE International of which he has been an active member for more than 30 years. He serves on the boards of United Way of the Quad Cities Area and the XATA Corporation. He has served on the advisory board of the Agricultural and Biological department at North Carolina State University and on the Board of Directors of SAE International.



## Keynote

8:05 – 8:35 a.m.  
Ballroom A-C



### Mr. Robert Weiss

Lockheed Martin

Robert F. Weiss is the Executive Vice President and General Manager of Aeronautics Operations for Lockheed Martin Aeronautics. Named to this position in July 2010, he is responsible for ensuring that Aeronautics Company possesses the competencies and processes necessary for cutting-edge technology development, systems integration, manufacturing

and sustainment. The Aeronautics Operations organization includes Aero Services, Engineering, Global Sustainment, Information Systems & Technology, Kelly Aviation Center, Performance Excellence, Process Integrity, Production Operations, Quality & Mission Success, and Supply Chain Management.

As Aeronautics Executive Vice President for Global Sustainment from October 2008 until July 2010, Mr. Weiss was responsible for developing and directing strategies for sustaining Lockheed Martin Aeronautics products and ensuring those products meet customer expectations for mission readiness throughout their lifecycle. Previously, as Vice President, Business Development, he had responsibility for domestic and international new business for the entire line of Lockheed Martin Aeronautics products.

Mr. Weiss started his career at Lockheed Martin in 1985 and progressed through a variety of positions in Business Development and Program Management. Previous Business Development assignments include Manager of Battle Force Systems, Deputy Director of TACAIR Requirements, Director of F-22, and Deputy to the Vice President of Business Development.

In 1996, Mr. Weiss received his first assignment in program management with responsibility for S-3/ES-3 aircraft programs. His program management portfolio was expanded in 1998 to include international P-3 Programs. Mr. Weiss was named Director, P-3/S-3/AEW Programs in 2000 with responsibility for program performance and follow-on new business for all U.S. Government and International Maritime Surveillance Aircraft programs.

Prior to joining Lockheed Martin, Mr. Weiss served eight years as a U.S. Naval Officer. He was an S-3 Viking carrier-based jet pilot, completing operational deployments to the Western Pacific and Indian Ocean on the USS Kitty Hawk and USS Ranger. Upon completion of active duty, Mr. Weiss served an additional 16 years as a Naval Reserve Officer. He retired from the U.S. Naval Reserve in 2000 at the rank of Captain, having held various leadership positions including Executive Officer of the Naval Air Station Cecil Field Reserve Unit and Commanding Officer of the USS Enterprise Reserve Unit.

Mr. Weiss is a graduate of the U.S. Naval Academy and earned his Master of Science degree in Systems Management from the University of Southern California. He serves on the Logistics Center Board of Directors at the University of North Texas. He is a member of the National Defense Transportation Association, Association of Naval Aviation, Air Force Association, Tailhook Association, International Society of Logistics, and the Logistics Officer Association.

He resides in Southlake, Texas, with his wife, Amy, and two sons.

# BREAKOUT AND TECHNICAL SESSIONS

## WEDNESDAY

November 16

### Break

Ballroom Foyer

9:50 – 10:05 a.m.

### Senior Logisticians' Roundtable

8:35 – 9:50 a.m.

Ballroom A-C

**Abstract:** This interactive forum features the senior general and flag logistics officers from each of the Military Services, United States Coast Guard and Joint Staff. It provides an excellent opportunity for the audience to directly pose a wide variety of questions concerning all aspects of Defense Maintenance to the most senior military logisticians. The session is 100% Q&A.

*Moderator:*

**The Honorable Alan Estevez**, Assistant Secretary of Defense for Logistics and Materiel Readiness

*Panelists:*

**LtGen Frank Panter, Jr**, USMC, Deputy Commandant for Installations and Logistics, Headquarters U.S. Marine Corps

**VADM William Burke**, USN, Deputy Chief of Naval Operations for Fleet Readiness and Logistics

**Lt Gen Loren Reno**, USAF, Deputy Chief of Staff for Logistics, Installations and Mission Support, Headquarters U.S. Air Force

**RADM Ronald Rabago**, USCG, Assistant Commandant for Engineering and Logistics, Headquarters U.S. Coast Guard

**BGen William Faulkner**, USMC, Vice Director for Logistics, Joint Staff

**Ms. Kathleen Miller**, Assistant Deputy Chief of Staff for Logistics, Headquarters U.S. Army

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## **Future Capability of DoD Maintenance Depots – Implementation Considerations and Defense Sustainment Industrial Base Outcomes**

10:05 – 11:20 a.m.  
Ballroom A-C

**Objective:** Discuss current Department planning and implementation activities as well as differing viewpoints associated with the NDAA 322 Study's results.

**Abstract:** The Congressionally-mandated NDAA 322 Study on future depot capability, delivered to the Congress in February 2011, depicts an uncertain future environment for depot maintenance provision. Two vulnerabilities identified suggest an uncertain future for DoD depot maintenance. The first is the significant possibility for a reduction in future depot maintenance requirements – driven by both operations drawdown and inventory pressures. The second is a related reduction in near-term depot maintenance workload and core capability sustainment. The study examined difficulties DoD will face as it attempts to deal with these challenges and offered legal, strategic, and organizational recommendations to help address them. How and to what degree have the study's recommendations influenced legal and policy development related to depot maintenance? Has the study's key theme of "the need to update the strategic risk management framework for depot maintenance provision" helped to clarify public and private sector roles in DoD's maintenance industrial base? What is required to further enhance collaboration of all relevant stakeholders? Are current and planned actions focused upon the long range health of the U.S. sustainment industrial base – and what sorts of more balanced and complementary approaches might support such outcomes? A panel will consist of DoD, Military Service and Industry representatives.

*Moderator:*

**Mr. John Johns**, Deputy Assistant Secretary of Defense for Maintenance

*Panelists:*

**RADM Joseph Campbell**, USN, Deputy Commander, Logistics, Maintenance, and Industrial Operations, Naval Sea Systems Command

**Mr. Chris Lowman**, Assistant Deputy Chief of Staff, Director of Maintenance, Headquarters U.S. Army

**LTG Claude Christianson**, USA (Ret.), Director, Center for Joint & Strategic Logistics, National Defense University

**Mr. Lou Kratz**, Vice President, Logistics and Sustainment, Lockheed Martin Corporation

**Mr. James O'Neill**, Vice President/General Manager, Integrated Logistics, The Boeing Company

**Dr. Nick Avdellas**, Program Manager, Maintenance & Readiness Management, LMI

## **Awards Ceremony**

11:20 – 11:30 a.m.  
Ballroom A-C

Please join us in the exhibit hall at 11:30 a.m. A buffet lunch will be served.

**WEDNESDAY**  
November 16

## **Breakout Sessions:**

### **A Look into the Depot of the Future**

2:30 – 4:00 p.m.  
Room 201 A-C

**Objective:** Discuss the characteristics of tomorrow's depots and the role that advanced technologies and processes will play. We will look at the technologies being incorporated in today's depots, and the anticipated capabilities that are required for tomorrow's depots of 2020. Additionally, we'll discuss the challenges encountered today in executing technology insertion in the depots, and highlight a path to develop and insert capabilities required to meet the depot's future needs.

**Abstract:** Imagine viewing a descriptive scenario or workload design that is projected on a glass wall using an immersive state-of-the-art audiovisual presentation, and a 3D holographic projection. Does it sound futuristic? It may, but it's available now at a DoD maintenance depot. In this informative session, depot and DoD representatives will describe what future depots operating in 2020 might look like, and present specific examples of new technologies being introduced in today's depots as well as potential technologies which may be developed and adopted in tomorrow's maintenance depots. This presentation will discuss: 1) an overview of the characteristics of future depots. What will the depot of 2020 look like? We will discuss measures utilized to increase capability and capacity, increase efficiency, increase technology, and become more distributed and connected. 2) Viewing basic depot operations through two lenses: The industrial functional areas and the depot maintenance process areas. We will then discuss the technology requirements, gaps, and opportunities anticipated with depot operations in 2020. 3) How to get it done. We will discuss examples of technology insertions in depots and the lessons learned. Discussion will include conducting a business case analysis and assessing technical risk. Additionally, we will discuss what is out there that can be leveraged now, and what is further needed to improve technology transition to depots. This session is a must for military and civilian attendees to familiarize themselves with the technologies available to depots now and in the near future, and to understand the mechanisms available within DoD to develop, demonstrate, and procure these technologies.

*Moderator:*

**RDML Steve Heilman**, USN (Ret), Senior Fellow, Maintenance & Readiness Management, LMI

*Panelists:*

**Mr. Mike Madden**, Executive Director, U.S. Marine Corps Logistics Command

**Mr. Greg Kilchenstein**, Senior Policy Analyst, Office of the Deputy Assistant Secretary of Defense for Maintenance

**CAPT Mike Kelly**, USN, Assistant Chief of Staff/Force Material Officer, Commander Naval Air Forces

**Mr. Rick Buhl**, Director, Electronics Maintenance Group, 309th Maintenance Group, Ogden Air Logistics, U.S. Air Force



**WEDNESDAY**  
November 16

## **Maintenance Education**

2:30 – 4:00 p.m.  
Room 202 B-D

**Objective:** *Identify maintenance education strategies, tools, and improvement opportunities and techniques across the Military Services.*

**Abstract:** This session will address the requirements and challenges associated with conventional maintenance training methods, knowledge management, and retention. Maintenance education requires new tools that not only drive better results, but are also flexible enough to keep pace with increasing demands and changes, ensuring that effective life cycle logistics support is developed and implemented during the design, development, test, production, fielding, sustainment, and improvement modifications of military systems. Through panel discussions, principal speakers will explore the maintenance education issues involved in achieving these objectives.

*Moderator:*

**LCDR TJ Williams**, USCG, FRC Product Line Manager, Asset Project Office,  
Headquarters U.S. Coast Guard

*Panelists:*

**CAPT Kate Erb**, USN, Executive Officer, Center for Naval Aviation Technical  
Training

**Dr. Gary Eiff**, Design for Maintainer Team Lead, Human Systems Department,  
Naval Air Systems Command

**Mr. Ted Sturgeon**, Program Director, Institute for Defense and Business

**Mr. Edward Buckner**, Director, Ordnance Electronics Maintenance Training  
Department, U. S. Army Ordnance School

**Mr. Mike Leigh**, Chief Operations Officer, Job Performance Associates LLC

**Mr. Matthew Waters**, Vice President, Products & Services, Job Performance  
Associates LLC

**WEDNESDAY**  
NOVEMBER 16

## **Maintenance Operations in Southwest Asia**

2:30 – 4:00 p.m.  
Room 203 A-C

**Objective:** Discuss successful strategies employed to overcome unique maintenance challenges brought on by increased optempo, environmental conditions, and personnel rotations.

**Abstract:** No plan survives contact with the enemy -Field Marshal Helmuth von Moltke. Likewise, the best maintenance concepts and constructs are often not executed as planned due to many unforeseen constraints such as climate, operational tempo, and the enemy's impact on equipment condition and lines of communication. The men and women at the tip of the maintenance spear adapt and overcome these constraints to achieve combat power. Often, these adaptations improve on the planned maintenance construct, are broadly adopted across the theater, and sometimes migrate into a Service's permanent maintenance doctrine. But sometimes these innovative solutions go unnoticed by the larger community. This panel will focus on some of the innovative solutions that were successful both locally and on a larger scale. They will discuss the role of contract maintenance, experience and availability of uniformed maintainers, and emerging maintenance concepts that considered some of the lessons learned from maintenance operations in Operations Iraqi Freedom and Enduring Freedom. All of the panelists are veterans of Operation Iraqi Freedom or Operation Enduring Freedom and most of them are 2011 Field Level Maintenance Award winners.

*Moderator:*

**BG Jack O'Connor**, USA, Deputy Chief of Staff, G-4, U.S. Army Forces Command

*Panelist:*

**MAJ Jerry Copley**, USMC, Executive Officer, Maintenance Battalion, CLR-15

**MAJ James Towney**, USMC, Division Ordnance Offices, 1st Marine Division

**CPT Juliet Kirkpatrick**, USA, Commander, D Company, 6-101 Aviation Regiment

**1SG Bradford Smith**, USA, First Sergeant, D Company, 6-101 Aviation Regiment

4:15 p.m.-5:15 p.m.

Each of the Military Service's senior logisticians will conduct a Service-specific town hall meeting. This is a very unique opportunity for you to be involved in a dialogue with the most senior Service logisticians in a small group setting. Attend and bring your specific issues and perspectives for discussion.

**United States Army** – Room 201 A-C

**United States Navy** – Room 202 B-D

**United States Air Force** – Room 203 A-C

**United States Marine Corps** – Room 204 A-B

**United States Coast Guard** – Room 104

## **Secretary of Defense Maintenance Awards Reception and Banquet**

Omni Fort Worth • Texas Ballroom  
6:00 – 9:30 p.m.

Annually, the Secretary of Defense Maintenance Awards honor the "best of the best" within the DoD maintenance community. A team of senior maintenance leaders from across the Military Services selects the top six field-level military maintenance organizations from active and reserve units worldwide. Of the six winning units, one is selected as the top maintenance unit for the year and receives DoD's highest field-level maintenance award, the Phoenix Trophy. Also awarded as the pinnacle of depot maintenance achievement and recognition is the Robert T. Mason Award for Depot Maintenance Excellence!

### **Reception**

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### **Banquet**

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## Seated Breakfast

Ballroom A-C  
8:00 – 9:30 a.m.

**THURSDAY**  
NOVEMBER 17

## Keynote



### **SgtMaj Anthony Spadaro**

USMC, Sergeant Major, 3rd Marine Aircraft Wing Forward

Sergeant Major Spadaro currently serves as the Third Marine Aircraft Wing (Forward) Sergeant Major in support of Operation Enduring Freedom (OEF).

Sergeant Major Anthony A. Spadaro was born on 4 July 1963, in New Brunswick, New Jersey. He enlisted in the Marine Corps on 3 April 1985, and attended Recruit Training at the Marine Corps Recruit Depot, Parris Island, South Carolina.

Upon completion of MOS Training as an Artillery Fire Direction Controllman (MOS 0844), PFC Spadaro would report to the Marine Corps Air Ground Combat Center (MCAGCC), 29 Palms, California for duty with Battery R, 5th Battalion, 11th Marines. While with Battery R, he was promoted meritoriously to Corporal in September 1986 and attended Noncommissioned Officer Leadership School in November 1986. In February 1987, Corporal Spadaro was assigned to Naval Air Station, North Island, Coronado for training as an Artillery Nuclear Projectileman (MOS 0812); the first 0844 to attend this school.

In April 1987, Corporal Spadaro received orders to Marine Security Guard School, Quantico and upon completion of the school, was assigned as a Watchstander to the American Embassy, Abidjan, Cote D'Ivoire. Meritoriously promoted to Sergeant in June 1988, he was selected to activate the newly formed Marine Security Guard Detachment in Gaborone, Botswana as the Assistant Detachment Commander, in October 1988. In May 1989, Sergeant Spadaro became the Detachment Commander.

In March 1990, Sergeant Spadaro was transferred to First Marine Division and subsequently assigned to Battery G, 3rd Battalion, 12th Marines, attached to 1st Battalion, 11th Marines for duties as the Assistant Operations Chief. While with Battery G, he would deploy in December 1990 to participate in Operation Desert Shield/Storm as a member of Battalion Landing Team 3/1 until August 1991. During this deployment, Sergeant Spadaro would participate in combat operations against the enemy in Operation Ripper and Desert Slash.

In November 1991, Sergeant Spadaro was transferred to 11th Marines for duty in the S-2. While assigned with 11th Marines, he would serve as an Intel Specialist, Intel Chief, and Intel Officer. Upon promotion to Staff Sergeant in February 1993, he was assigned as 43 Area Guard Chief.

In January 1994, Staff Sergeant Spadaro would return back to Fort Sill for the Marine Artillery Operations Chief Course (MOS 0848). Upon graduation in April 1994, he was assigned to be the Meteorological Chief, 11th Marines and as the Platoon Sergeant for Headquarters Battery, 11th Marines. In June 1995, he would complete the Staff Noncommissioned Officer Academy Career Course, El Toro.

In 1996, Staff Sergeant Spadaro would become the Regimental Survey Chief for 11th Marines and Instructor at the Artillery Training School until he received orders for the Drill Field in April 1997. Upon completion of Drill Instructor School at MCRD, San Diego in June 1997, he was assigned to India Company, 3rd Recruit Training Battalion. While with India Company he completed seven cycles serving as a Drill Instructor, Junior Drill Instructor, Senior Drill Instructor and Chief Drill Instructor. In July 1999, he was assigned to the staff of Drill Instructor School. During his tenure at DI School, then Gunnery Sergeant Spadaro filled the following billets: General Military Subject/History Instructor, Leadership Instructor, Academic Coordinator/Curriculum Developer and SOP Instructor. During his time on the Drill Field, he was responsible for making 1300 Marines and

*Continued on next page*

## **Keynote (continued)**

310 Drill Instructors. During October through December 2000, he attended the Staff Noncommissioned Officer Academy Advanced Course.

Upon selection to First Sergeant in March 2001, 1stSgt Spadaro was assigned as the First Sergeant to Special Training Company, Support Battalion, MCRD San Diego. In August 2001, he transferred to 3rd Marine Division and was assigned to Battery B, 1st Battalion, 12th Marines. From February through September 2003, the Battery participated in the Unit Deployment Program with Battalion Landing Team, 3rd Battalion, 3rd Marines. First Sergeant Spadaro re-deployed on his second Unit Deployment to Okinawa from November 2003 to June 2004. On 2 July 2004, he reported to MCRD San Diego for duties as Company First Sergeant for Company C, First Recruit Training Battalion.

Selected for Sergeant Major in November 2004, he assumed the billet as the First Recruit Training Battalion Sergeant Major in August 2005. From October through December 2006, SgtMaj Spadaro attended the Navy Senior Enlisted Academy (the first Marine SgtMaj to attend the course), in Newport, Rhode Island. During March 2007, SgtMaj Spadaro transferred from MCRD and was assigned to the 3D Marine Aircraft Wing. From July 2007 to April 2009, he served as the Squadron Sergeant Major of Marine Medium Helicopter Squadron 165 and the Sergeant Major for the Air Combat Element (ACE) of the 15th Marine Expeditionary Unit. From June to July 2009, From October-December 2009, SgtMaj Spadaro was posted as the Marine Aircraft Group 16 Sergeant Major. In December 2009, SgtMaj Spadaro was selected as the 3D Marine Aircraft Wing (Forward), I MEF Sergeant Major.

SgtMaj Spadaro has completed the following Professional Military Education courses: NCO Academy (Honor Graduate), SNCO Career Course (Distinguished Graduate), SNCO Advance Course, First Sergeant's Course, Warfighting, Expeditionary Warfare School (by extension), Command and Staff College (by extension), Navy Senior Enlisted Academy (Distinguished Graduate), the Senior Enlisted Professional Military Education Course and the Senior Enlisted Joint Professional Military Education Course. Additionally, SgtMaj Spadaro is (6) credits shy of receiving a dual Bachelors' of Science Degree in Psychology and Behavioral Science from National University with a 3.8 GPA.

Sergeant Major Spadaro's personal decorations include the Meritorious Service Medal with Gold Star, the Navy and Marine Corps Commendation Medal with three Gold Stars, the Navy and Marine Corps Achievement Medal, the Army Achievement Medal and the Combat Action Ribbon. SgtMaj Spadaro is authorized to wear Naval Aircrewman Insignia. He also has been inducted into the Honorable Order of Saint Barbara recognizing his contributions to the Field Artillery in 1996.



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# PARTICIPANT INDEX

## A

Adams, Lisha Ms..... 16  
 Anderson, Ken Mr. ....21  
 Asher, Baron Mr..... 13  
 Avdellas, Nick Dr. ....31

## B

Baranowski, John Mr..... 15  
 Battistoni, Corey Ms. ....18  
 Berteau, Dave Mr.....24  
 Buckner, Edward Mr. ....33  
 Budden, William Mr. ....16  
 Buhl, Rick Mr.....32  
 Burke, William VADM.....30  
 Burks, Brian Mr.....27  
 Busch, Andrew Maj Gen..... 15

## C

Cambra, Frank Mr. ....17  
 Camele, Aaron Col .....20  
 Campbell, Joseph RADM .....31  
 Carr, Steven Mr.....26  
 Casey, Kevin Mr.....14  
 Charlton, Robert Mr. ....25  
 Christianson, Claude LTG(Ret).....23, 31  
 Cleveland, Fred Mr. ....14  
 Cone, Robert GEN .....10  
 Copley, Jerry Maj.....34  
 Cushnie, George Mr .....21

## D

DiUlio, Mike Mr. ....25

## E

Eiff, Gary Dr. ....33  
 Elliott, Frank Mr .....21  
 Erb, Kate CAPT.....33  
 Estep, Lorna Ms.....16, 19  
 Estevez, Alan Honorable.....30

## F

Faulkner, William BGen.....30  
 Fengler, Joe Mr.....15  
 Finley, Mike RDML(ret) .....14  
 Friend, Bernard Mr.....26

## G

Gajda, Mark Mr.....15  
 Garman, Kathy Ms. ....24  
 Gill, Luke Mr. ....17  
 Gregg, Blair Mr. ....25

## H

Hays, Richard Mr.....26  
 Heilman, Steve RDML(ret).....32  
 Hertenstein, Cynthia Ms. ....13  
 Hirshman, Brian Mr.....14  
 Hobby, Redding Mr.....16  
 Huo, Chien Dr .....27

## I

Ingram, Tom Mr. ....21  
 Ivy, Michael Mr.....20

## J

Jaynes, CJ RDML(S) .....15  
 Johns, John Mr. ....18, 20, 22, 24, 31

## K

Karl, Steve Mr.....15, 19  
 Kelly, Mike CAPT .....32  
 Kilchenstein, Greg Mr. ....25, 32  
 Kirk, Randy Mr.....21  
 Krikpatrick, Juliet CPT .....34  
 Kitchen, Daryl Mr. ....13  
 Kratz, Lou Mr.....19, 31

## L

Lancaster, Fred Mr .....26  
 Lanoway, Kris Mr.....21  
 Leigh, Mike Mr.....33  
 LeMasters, Jr, Clark BG .....20, 24  
 Lenhardt, Darryl CDR .....27  
 Lowman, Chris Mr. ....31  
 Luther, Regis Mr .....24

## M

Madden, Mike Mr. ....16, 32  
 Marshall, Ross Mr.....20  
 Mata, Joe Mr. ....27  
 Matthews, Timothy RDML.....19, 24  
 Matzdorf, Craig.....26  
 McClaugherty, James Mr. ....16  
 Mellon, Todd Mr.....14

Melnick, Fred CAPT.....14  
 Miller, Kathleen Ms .....30  
 Morreale, Michael Col.....20

## N

Naylor, Frank CDR.....13  
 Needham, Bill Mr. ....26

## O

Oaks, Dave Dr. ....15  
 O'Connor, Jack, BG .....34  
 O'Neill, James Mr. ....31

## P

Panter, Jr, Frank LtGen.....30  
 Plunkett, Vickie Ms. ....18

## R

Rabago, Ronald RADM .....30  
 Reno, Loren Lt Gen.....30  
 Reschke, Bill Mr.....17  
 Reynolds, Shaugnessy Mr. ....15  
 Reynolds, Scott Mr. ....24

## S

Schmidley, Joe Mr. ....25  
 Smith, Bradford 1SG.....34  
 Smith, Chris Mr.....25  
 Spadaro, Anthony SgtMaj .....35, 36  
 Spicer, John CAPT .....15  
 Stankowski, John Mr. ....13  
 Stauffer, Richard Mr. ....27  
 Sturgeon, Ted Mr.....33  
 Sutton, John Mr.....15, 17

## T

Tarr, Rick Mr. ....17  
 Towney, James Maj .....34

## V

Vedak, Bharat Mr.....28

## W

Walker, Steve Mr.....14  
 Ward, Edward Mr.....13  
 Waters, Matthew Mr. ....33  
 Weiss, Robert Mr. ....29  
 Williams, TJ LCDR.....33





Military Displays	40
Exhibitor Floorplan	42
Exhibitor Booth Index	43
Exhibitor Profiles	44-53
Sponsors	55
Ad Index	56



## Air Force

The Air Force highlights Air Force Maintenance for the 21st Century (AFMx21). AFMx21 provides an enterprise maintenance vision and is the Air Force's strategic plan to guide maintenance transformation. AFMx21 brings together the innovation of maintainers and leverages opportunities to achieve new levels of Air Force maintenance effectiveness and efficiency. The AFMx21 vision is to transform current maintenance organizations and processes into two integrated networks-- a supporting repair network and a mission generation network. The end-state will be a rebalanced wing level maintenance footprint retaining only those capabilities required to conduct air, space, and cyberspace operations and a supporting repair network.

Highlights for AFMx21 objectives include Repair Network integration, an Air Force-wide effort to create an environment where the 46,000 Air Force maintainers, working across a vast global complex of more than 100 repair locations to manage repair, and ultimately maximize the effectiveness and efficiency of repair. In addition, introduce on-going efforts and technologies in work to maximize the effectiveness and efficiency of the mission generation network. Together, these features provide a story showcasing Air Force maintenance transformation.

## Coast Guard

### 25-Foot Defender Class Boat (RB-HS/RB-S)

Engines: 2X225 HP Four-stroke Gas Honda engines  
Max Speed: 45+ knot  
Cruising range: 50NM @ 35 knots  
Minimum crew: 2  
Max sea state: 6 ft

Developed in a direct response to the need for additional Homeland Security assets in the wake of the September 11th terrorist attacks, the Defender Class boats were procured under an emergency acquisition authority. With a contract for up to 700 standard response boats, the Defender Class acquisition is one of the largest boat buys of its type in the world. The 100 boat Defender A Class (RB-HS) fleet began arriving at units in May 2002 and continued through August 2003. After several configuration changes, most notably a longer cabin and shock mitigating rear seats, the Defender B Class (RB-S) boats were born. This fleet was first delivered to the field in October 2003, and there are currently 357 RB-S boats in operation.

The 457 Defender Class boats currently in operation are assigned to the Coast Guards Maritime Safety and Security Teams (MSST), Maritime Security Response Team (MSRT), Marine Safety Units (MSU), and Small Boat Stations throughout the Coast Guard. With an overall length of 25 feet, two 225 horsepower outboard engines, unique turning radius, and gun mounts boat forward and aft, the Defender Class boats are the ultimate waterborne assets for conducting fast and high speed maneuvering tactics in a small deployable package. Several Defender Class boats are already in operation by other Homeland Security Department agencies as well as foreign military services for their homeland security missions.

## Army

### Depot Maintenance of the Future

The United States Army will present its vision for Depot Maintenance at the 2011 Department of Defense Maintenance Symposium and Exhibition. The Army exhibit will highlight the Depot Maintenance of the Future (DMOF), which features a state-of-the-art 3D Advanced Visualization System that interfaces with the depot's Computer Aided Engineering System to provide a virtual means of solving design and manufacturing issues in real time, reducing the need for physical prototypes and optimizing time and effectiveness of product development. Using cutting-edge technology, the workspace showcases, tests and demonstrates new maintenance processes and systems. Above all, it establishes a high-tech portal for sharing engineering capabilities and enhancing education and training initiatives with the maintenance community and essential partners. It can facilitate the test and introduction of new depot maintenance concepts, procedures, and equipment to enhance depot capabilities which will be adaptable at other DoD maintenance centers. Plan to visit the Army display to see the latest evolution in depot maintenance and experience a real-time demonstration.

## Marine Corps

The United States Marine Corps will present its vision for maintenance at the 2011 Department of Defense Maintenance Symposium and Exhibition. Participants will experience this vision through live demonstration and engagement with subject matter experts at the Marine Corps display. It is noteworthy that the USMC display received the "Best Military Service Display" award at the 2009 & 2010 DoD Maintenance Symposia.

The Marine Corps exhibition will highlight the Corps' intent to "Lighten the Marine Air Ground Task Force (MAGTF)" by integrating operations, logistics and intelligence through a shared data environment using common data and business intelligence to develop a User Defined Operational Picture (UDOP). This will provide commanders, staffs and maintainers with an understanding and the ability to translate battlefield requirements into appropriate maintenance actions in support of the MAGTF.

The 2011 Symposium theme of "Achieving Readiness through Efficiency and Effectiveness in Maintenance Operations" will be highlighted as the Marine Corps demonstrates how it will provide a network-centric capability to integrate stand-alone operations, logistics and intelligence systems to create common data and a shared understanding to improve our Expeditionary Logistics and Maintenance support to the MAGTF. Despite a continued high level of operational tempo due to overseas contingency operations, the Marine Corps continues to refine its expeditionary logistics and maintenance capabilities, particularly in the areas of product support and weapon system sustainment. Lightening the MAGTF not only focuses on reducing weight and energy consumption, but also addresses how we will "align Marine Corps logistics with real-world challenges, where speed and information replaces mass and footprint as the foremost attributes of combat operations." Gen Conway, CMC Senate Armed Services Committee Feb 2010.

## Navy

Celebrating Naval Aviation's Centennial this year, the US Navy will showcase programs from Naval Aviation's maintenance community at the 2011 DoD Maintenance Symposium. The Navy has eight Fleet Readiness Centers (FRCs) with multiple satellite detachments located across the continental United States and overseas. The FRCs conduct intermediate and depot level maintenance, repair, and overhaul of Navy and Marine Corps aircraft, engines, components and support equipment. The FRCs were organized just a few years ago to improve processes and practices across Naval Aviation's maintenance enterprise and they have significant benefits to highlight. Three of the FRCs are centered on the previous aviation depots with a heavy industrial based workload and are designated Centers of Industrial Technical Excellence. With their intermediate capabilities, they are responsible for the full range of repair, overhaul, and modification for sea-based and maritime aircraft and related aeronautical systems/ equipment and for the engineering and logistical technical expertise required to safely maintain these aircraft and systems. Three FRCs grew out of intermediate maintenance activities at major fleet concentrations. They focus on responsive and agile "off-flight line" repair capabilities, augmented with select depot level maintenance and repair skills moved as close to the flight line as possible for greater efficiency, agility and speed. FRC Support Equipment Facility has locations at all of the major Navy concentration areas and is responsible for the depot overhaul of all Naval Aviation's support equipment. FRC Western Pacific is responsible for overseeing all forward deployed in service repair and emergent depot level maintenance requirements. These eight FRCs will be showcasing several initiatives that are making aviation maintenance more efficient and effective.

## NASA

Most people don't realize that in addition to space exploration, NASA maintains and operates some of the most unique aircraft in the world with a wide variety of missions for government, military, and civilian customers. NASA's specialized fleet includes the world's last operable Super Guppy Transport aircraft, transporting oversized cargo in support of the nation's space program since 1965; the WB-57, a cold war era reconnaissance aircraft used for high-altitude research; the C-9 "Weightless Wonder", used to simulate a reduced gravity environment, support other airborne science, move critical cargo and people, and an overall multi-mission platform. The Gulfstream GIII is used to facilitate the rapid return of NASA's astronaut corps (and science samples) after overseas landings from the International Space Station (ISS). The GIII also provides a platform for remote imagery data gathering missions. Additionally, our fleet of T-38 aircraft has led the military in efficiency and avionics modifications, with a model depot maintenance program keeping them in pristine condition. NASA's pioneering spirit enables us to meet the challenges of such a wide variety of aircraft and missions by thinking out-of-the-box and combining our engineering capabilities and a diverse maintenance team to support any mission.

Meeting the challenges of today for the promise of a better tomorrow

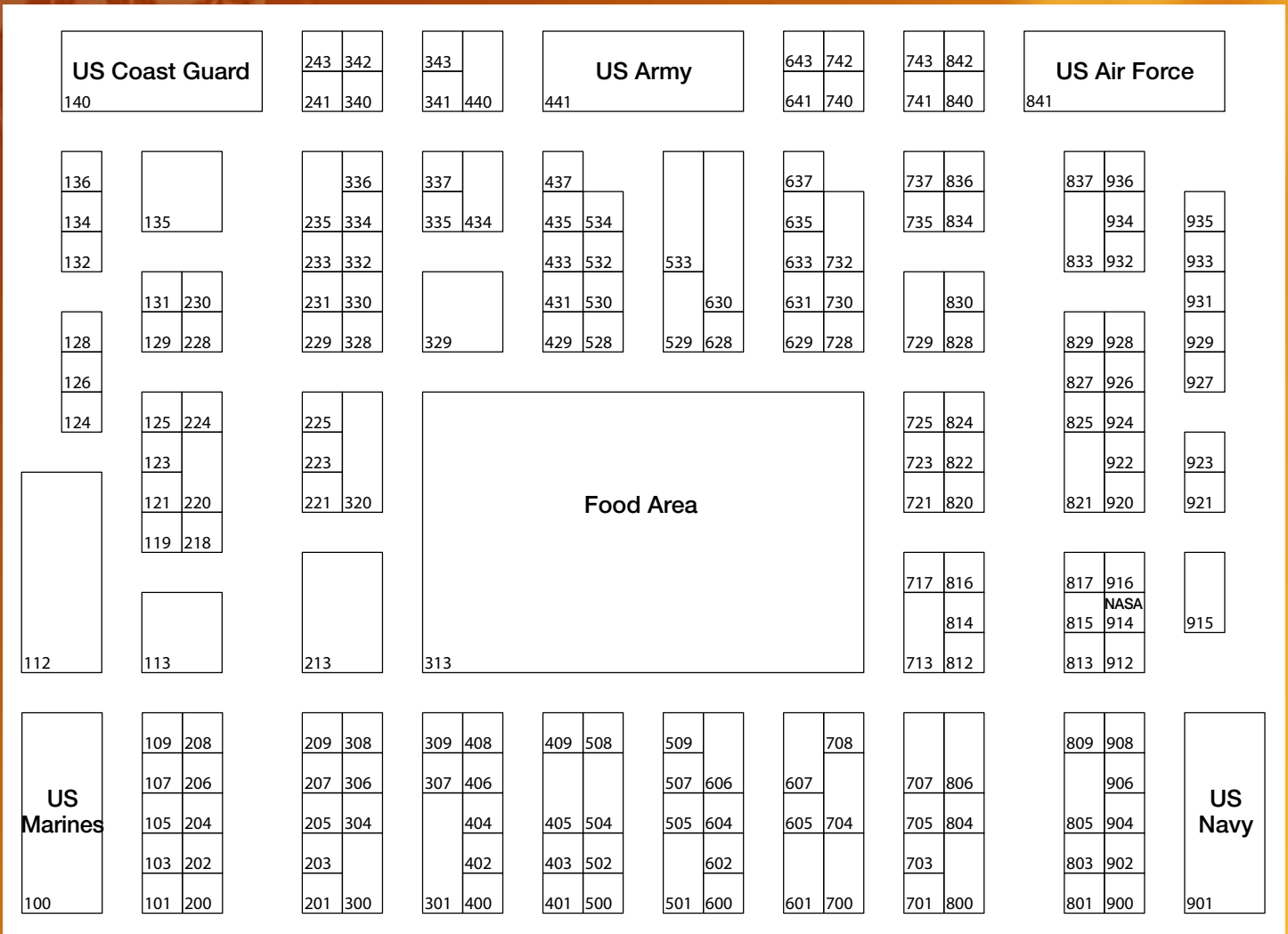
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# EXHIBITOR FLOOR PLAN



# EXHIBITOR BOOTH INDEX

## Exhibitor Booth

### 100

United States Marine Corps.....	100
PSI Repair Services Inc.....	101
Clockwork Solutions Inc.....	103
National Standard Parts Associates Inc.....	105
Diagnosys.....	107
Transhield Inc.....	109
ADS Inc.....	112
National Center for Mfg Sciences.....	113
InduMar Products Inc.....	119
Naval Air Systems Command.....	121
STEINEL.....	123
Safety-Kleen Systems, Inc.....	125
Rock Island Arsenal.....	129
Amptec Research Corporation.....	131
US Coast Guard.....	140

### 200

Aerowing Inc.....	200
ARNCO.....	201
Andromeda Systems Incorporated.....	202
National Defense Industrial Association.....	203
ACT Fastening Solutions.....	204
Gorilla and Four Star Companies.....	205
MagChem Inc. (in partnership with Dysol).....	206
Ensinger Inc.....	207
Ericson Manufacturing Co.....	208
Lucas Oil Products Inc.....	209
Lockheed Martin.....	213
StandardAero.....	218
CribMaster.....	220
WW Williams Logistics.....	221
Simple Green.....	223
Palmer Johnson Power Systems.....	224
DG Technologies.....	225
Crestwood Technology Group CTG.....	228
SPX Service Solutions.....	229
Horizons ISG-Metalphoto.....	230
TFD Group.....	231
NUTEK GREEN.....	235
HQ AMC / AMCOM.....	241
HQ AMC - CECOM.....	243

### 300

Boeing.....	300
Joint ALC.....	301
CDG, a Boeing Company.....	304
Aviall Inc.....	306
RF System Lab.....	307
VT Miltope.....	308
Concurrent Technologies Corp.....	309
Tobyhanna Army Depot.....	320
MDS Coating Technologies Corp.....	328
AM General.....	329
Pennsylvania State University.....	330
Av-DEC.....	334
Fastening Systems Intl Inc.....	335
EnerSys.....	336
Kyrish Government Group.....	337
Astro Tool Corp.....	340
Frontier Technology, Inc.....	341
HQ AMC - TACOM.....	342

## Exhibitor Booth

### 400

Advanced Torque Products LLC.....	400
Wiley X Inc.....	401
NAVSEA Division Keyport.....	402
Witte America.....	403
Anniston Army Depot.....	404
Northrop Grumman.....	405
US Dynamics Corp.....	406
ID Integration Inc.....	408
Logis-Tech Inc.....	409
Sierra Army Depot.....	429
Science Applications International Corp (SAIC).....	431
IDZ Technologies, Inc.....	433
ManTech.....	434
SupplyCore.....	435
Kipper Tool Company.....	437
Universal Synaptics Corporation.....	440
US Army.....	441

### 500

USMC Corrosion Prevention and Control.....	500
USMC - TMDE.....	501
Marine Corps Logistics Command.....	502
Spectro Inc.....	504
Spectronics Corporation.....	505
Karcher North America.....	507
Reef Industries Inc.....	508
Phillips Screw Co.....	509
The POM Group Inc.....	528
3M Defense.....	529
RDECOM - AMRDEC - AED.....	530
RDECOM - AMRDEC - ED.....	532
Red River Army Depot.....	533
Fontaine Military Products.....	534

### 600

Reel-0-Matic Inc.....	600
General Services Administration.....	601
A2B Tracking Solutions.....	602
Letterkenny Army Depot.....	604
PEMCO World Air Services.....	605
CAVE Systems Inc.....	606
O'Neil & Associates Inc.....	607
RUD Chain Inc.....	628
Daniels Manufacturing Corp.....	629
PD TMDE.....	630
Robbins Gioia LLC.....	631
Corpus Christi Army Depot.....	635
R-O-M Corporation.....	637
CLARUS Technologies.....	641

## Exhibitor Booth

### 700

Intermec.....	700
AutoCrib Inc.....	701
Machida, Inc.....	703
Armstrong Tools.....	704
Defense Acquisition University.....	705
Pratt & Whitney.....	707
Kolene Corporation.....	708
Partsmaster.....	713
LMI.....	717
Sun Ports / Guard-All Building Solutions.....	721
PulseTech Products Inc.....	723
Optima Batteries Inc.....	725
Amphenol Fiber Systems International.....	728
URS.....	729
Metal Improvement Co.....	730
CACI.....	732
Federal Supply Services Int.....	737
Intergraph Government Solutions (IGS).....	740
Iso Group - Defense Parts.....	741

### 800

Defense Logistics Agency.....	800
AMSAA.....	801
Mid-State Aerospace Inc.....	803
DLA Aviation Industrial Plant Equipment Services.....	804
NUWC DET FEO NORFOLK.....	805
Moog Inc.....	806
Bowhead.....	809
Zebra Technologies Corp.....	812
HCL.....	813
Trulogic Inc.....	814
SAS.....	815
Wyle.....	816
Cherokee Information Services, Inc.....	817
ClearSpan Fabric Structures.....	820
NGRAIN.....	821
BAE Systems.....	822
Coleman Cable Inc.....	824
Perry Johnson Consulting Inc.....	825
JANA Inc.....	827
Herndon Products Inc.....	828
Borescopes-R-Us.....	829
PAS MRO, Inc.....	830
Unitron LP.....	833
IB Express.....	837
SEAM Aero, LLC.....	840
USAF.....	841

### 900

TW Metals Inc.....	900
US Navy Commander Fleet Readiness Centers.....	901
Impact-RLW Systems, Inc.....	902
ACES-Dynamic Instruments.....	904
Military Logistics Forum.....	906
Omax Corporation Inc.....	908
Oracle.....	912
NASA Aircraft Operations.....	914
GFM.....	915
Flightcom.....	916
Defense Support SsrviceS LLC.....	920
Flexible Lifeline Systems Inc.....	924
D & W Diesel Inc.....	926

Exhibitor Directory text is published as submitted by exhibiting companies.

## 3M Defense

3M Ctr, Bldg. 224-4S-24  
Saint Paul, MN 55144  
United States  
www.3m.com

### Booth #529

3M is a recognized leader in research, development and diversified technology. This serves many customers and communities with its innovative products and services.

## A

## A2B Tracking Solutions

207 Highpoint Ave  
Portsmouth, RI 02871  
United States  
www.UIDSolutions.com

### Booth #602

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## ACES-Dynamic Instruments

3860 Calle Fortunada Ste 100A  
San Diego, CA 92123  
United States  
www.dynamicinst.com

### Booth #904

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## ACT Fastening Solutions

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Gardner, MA 01440  
United States  
www.actfs.com

### Booth #204

ACT Fastening Solutions, a leading U.S. manufacturer of nylon fasteners and wire positioning devices, is ISO 9001-2008 registered, ROHS compliant, and QPL listed to SAE-AS23190 for Straps, Tiedowns, Electrical. ACT holds two GSA contracts; GS-07F-0293V "Building Supplies", and GS-35F-0453W "Information Technology", and our products appear on DoD Email.

## ADS Inc

621 Lynnhaven Pkwy Ste 400  
Virginia Beach, VA 23452  
United States  
www.adsinc.com

### Booth #112

The ADS mission is to intensely focus on helping our clients increase their operational effectiveness, complete their missions and make this world a safer place. We achieve our mission by providing timely, cost effective operational equipment, supplies, and streamlined acquisition methods combined with innovative supply chain management and logistics solutions.

## Advanced Torque Products LLC

201 Christian Ln Ste A  
Berlin, CT 06037  
United States  
www.advancedtorque.com

### Booth #400

Advanced Torque Products provides a full range of torque wrenches, calibration systems and ergonomic tooling. Our dedication to manufacturing accurate, lightweight torque systems to the U.S. military and the aerospace, automotive, marine and power generation industries has made our company the premium name in torque equipment. From car engines to helicopters, we can design and manufacture torque wrenches to suit virtually every job, no matter how large or small. Our wrenches have ± 1% accuracy within their full range and are smaller and lighter than everything else on the market.

## Aerowing Inc

101 Convention Center Dr Ste 700  
Las Vegas, NV 89109  
United States  
www.aerowing.com

### Booth #200

Aerowing is specialized in Rapid Leak Detection, Rapid Sealant Removal and Rapid Curing of sealants, paints and composites for commercial and military aircraft. We help aircraft operators expedite airframe repairs saving hours, and often times days, of ground time. ISO 9001 – MADE IN USA – CLASS 1 DIV 1 – USAF APPROVED

## AM General

105 N Niles Ave  
South Bend, IN 46617  
United States  
www.amgeneral.com

### Booth #329

AM General, LLC, designs, engineers and produces military and special purpose vehicles including the military Humvee. Other work includes worldwide parts distribution, field service support, training, and engineering services and engine and transmission manufacturing through its subsidiaries, General Engine Products and General Transmission Products.

## HQ AMC / AMCOM

4400 Martin Rd  
Redstone Arsenal, AL 35898  
United States

### Booth #241

Condition Based Maintenance (CBM) is a set of maintenance processes and capabilities derived primarily from real-time assessment of system condition obtained from embedded sensors and external test and measurements using portable equipment or embedded sensors or external test and measurements using portable equipment.

## Amphenol Fiber Systems International

1300 Central Expy N Ste 100  
Allen, TX 75013  
United States  
www.fibersystems.com

### Booth #728

Amphenol Fiber Systems International (AFSI) designs manufactures, markets, and supports reliable and innovative fiber optic interconnect solutions designed to withstand the harsh environments of military and industrial applications. After more than a decade in business, AFSI continues to maintain its position as a global leader in fiber optic interconnect components and systems such as termini, M28876, MIL-ST, TFOCA and the patented TFOCA-II® connector. After more than a decade in business, AFSI is a global leader in fiber optic interconnects components, tools, training and termination kits. AFSI supplies not only the components and assemblies, but also the training, tools and kits necessary to support and maintain these products. AFSI has developed a suite of support products specifically designed to assist in the installation, maintenance and repair of tactical fiber optic networks. AFSI is uniquely qualified to supply these support products to the U.S. military.

## Amptec Research Corporation

14101 Hwy 290 W Ste 2000-C  
Austin, TX 78737  
United States  
www.amptec.com

### Booth #131

Amptec Research - CE Marked Intrinsically Safe (EEX) Volt- Ohmmeter Instrumentation for the Aircraft/ Aerospace Industry. Bonding Mill-Ohmmeters (Listed in Boeing's 707, 727-787 STANDARD WIRING PRACTICES MANUAL) are certified to no "SPARK" in Explosive, Hazardous, Volatile, Fuel-Air areas for use around Aircraft, Fuel Cells/Tanks, Gas Systems, and Aircraft Fuel Installations.

## AMSAA

392 Hopkins Rd  
Aberdeen Proving Ground, MD 21005  
United States  
www.amsaa.army.mil

### Booth #801

The Army Materiel Systems Analysis Activity (AMSAA) is designated as the Army and Army Materiel Command (AMC) responsible official for executing the Sample Data Collection program, which covers many Army systems at various locations worldwide. The Army Sample Data Collection (SDC) program enables AMSAA to conduct responsive & effective materiel & logistics systems analysis to support decision making for equipping and sustaining the US Army. SDC enables "data driven decisions" concerning fleet management, O&S cost reduction, reliability improvement programs, technology base investment trades, and performance based logistics. Collection efforts conducted at operational Army units are hands-on, verified at the source, with no interference to the unit to the maximum extent possible. Usage and maintenance data are collected at serial number level of detail.

## Andromeda Systems Incorporated

330 Crossing Blvd Ste 300  
Orange Park, FL 32073  
United States  
www.androsysinc.com

### Booth #202

Andromeda Systems Incorporated is a technical services and technology company providing solutions for supportability. We provide products and services to assist fleet and asset managers in achieving optimal levels of economy, availability, and safety.

## Anniston Army Depot

7 Frankford Ave  
Anniston, AL 36201  
United States  
www.anad.army.mil

### Booth #404

Anniston Army Depot (ANAD) is a multi-mission installation widely recognized for its heavy combat vehicle expertise. We are the only Army depot capable of performing maintenance on both heavy and light, tracked and wheeled combat vehicles and their components. ANAD is the Department of Defense Center for Industrial and Technical Excellence for tracked and wheeled vehicles (except the Bradley), including the Assault Bridge, artillery, and small caliber weapons. Capabilities also include maintenance and storage of conventional ammunition and demilitarization of chemical munitions.

## Armstrong Tools

14600 York Rd Ste A  
Sparks, MD 21152  
United States  
www.armstrongtools.com/gov

### Booth #704

Armstrong Tools' focus on industrial and military applications allows us to deliver innovative, high quality USA tools and solutions. When the U.S. Military decided to improve its General Mechanics Tool Kit, Armstrong was chosen for the repair and maintenance of various vehicles and equipment.

## ARNCO

5141 Firestone Pl  
South Gate, CA 90280  
United States  
www.arnconet.com

### Booth #201

ARNCO, a U.S. company founded in 1971, is the world's largest supplier of "No-Flat" Tire Technology for military wheeled equipment, armored vehicles, construction and ground support equipment. ARNCO "No-Flat" Tire Technology is currently deployed in the OEF theater enhancing mobility and vehicle survivability in support of America's warfighters.

## Astro Tool Corp

21615 SW Tualatin Valley Hwy  
Beaverton, OR 97006  
United States  
www.astrotool.com

### Booth #340

Astro leads the industry in electrical connector tooling. We continually update our product lines to meet the demanding complexities of today's medical equipment. Our engineering department and manufacturing facilities utilize state of the art equipment that enable us to precisely produce more sophisticated tooling while holding ever tightening tolerances.

## AutoCrib Inc

3011 S Croddy Way  
Santa Ana, CA 92704  
United States  
www.autocrib.com

### Booth #701

AutoCrib is the world class leader in providing automated vending systems to the U.S. military. Our systems help to modernize tool rooms, CTK and bench stock areas for better control, replenishment and accountability. Our suite of solutions include carousel machines, scale systems, controlled lockers, RFID systems, tool vending cabinets and more.

## Av-DEC

1810 Mony St  
Fort Worth, TX 76102  
United States  
www.avdec.com

### Booth #334

Av-DEC manufactures products that solve corrosion problems with Non-Hazardous Polyurethane based products on commercial and military aircraft as well as Navy Ships. Antenna Mating Surface, Structural Areas, Wire Harness & Interconnects.

## Aviall Inc

2750 Regent Blvd  
Dallas, TX 75261  
United States  
www.aviall.com

### Booth #306

## B

## BAE Systems

PO Box 868, NH63-1115  
Nashua, NH 03061  
United States

### Booth #822

Electronic Systems will showcase our rugged flight-line Stores System Tester. We recently incorporated fused technologies required for supporting state-of-art EW Systems Solutions in production and on multiple aviation platforms. Headquartered in Nashua, New Hampshire, ES employs approximately 13,000 people globally, with engineering and manufacturing functions.

## Boeing

100 Airport Way  
Saint Louis, MO 63134  
United States  
www.boeing.com

### Booth #300

Boeing is the world's leading aerospace company and largest and most versatile manufacturer of commercial and military aircraft. Boeing designs, manufactures, and supports aircraft, unmanned vehicles, electronic and defense systems, missiles, satellites and advanced communication systems. Boeing also is a major service provider to NASA for the space shuttle and International Space Station.

## Borescopes-R-Us

2686 Davidson Graveyard. Rd.  
Clarksville, TN 37043  
United States  
www.Borescopesrus.com

### Booth #829

Borescopes-R-Us provides borescopes and video-scopes for every industry. In addition, we perform repairs on any make or model borescope with FREE repair estimates.

## Bowhead

4900 Seminary Rd Ste 1000  
Alexandria, VA 22311  
United States

### Booth #809

UIC Technical Services (UICTS), formerly known as Bowhead Technical and Professional Services, is a multi-million-dollar Alaska Native holding company owned by Ukpeagvik Inupiat Corporation (UIC) of Barrow, Alaska. UICTS's reputation for excellence as a contractor has allowed us to grow and offer a wide variety of support services.

## C

## CACI

1100 N. Glebe Rd.  
Arlington, VA 22201  
United States  
www.caci.com

### Booth #732

Celebrating our 50th year in business, CACI provides professional services and IT solutions for defense, intelligence, homeland security, and IT modernization / government transformation. We help federal clients provide for national security, improve communications and collaboration, secure information systems and networks, enhance data collection and analysis, and increase efficiency and mission effectiveness.

## CAVE Systems Inc

PO Box 53  
Keswick, VA 22947  
United States  
www.cavesystems.com

### Booth #606

CAVE Systems (Container and Volume Engineering Systems) is a leader in the design and manufacture of optimized container storage and handling systems resulting in greatly improved space utilization and significantly reduced logistics footprint. Available in new or retrofitted container configurations, CAVE provides the most cost effective solutions to any storage and handling systems needs.

## CDG, a Boeing Company

4060 N. Lakewood Boulevard  
Building 801, 5th Floor  
Long Beach, CA 90808  
United States  
www.cdgnow.com

### Booth #304

CDG specializes in helping engineering-focused organizations maximize efficiency by providing engineering services, technical documentation, training and eLearning solutions, content conversion services, process consulting, and software solutions. CDG can provide S1000D™ technical authoring and advisory services, IETM software solutions, and SCORM-compliant eLearning solutions suitable to accommodate either commercial or defense requirements.

## Cherokee Information Services, Inc.

1225 S Clark St Ste 1300  
Arlington, VA 22202  
United States  
www.cherokee-inc.com

### Booth #817

Cherokee is a professional services company providing Information Technology; Enterprise/Program Management; Logistics; and, Acquisition/Contracting support to the Federal Government. Cherokee provides creative solutions and value-added services in an environment that allows its customers and employees to succeed.

## CLARUS Technologies

2015 Alpine Way, Suite. C  
Bellingham, WA 98226  
United States  
www.clarustechnologies.com

### Booth #641

Clarus Technologies manufactures a number of highly innovative products related to the reprocessing of fluids. We are an engineering and manufacturing company focused on improving existing fluid reprocessing technologies and creating innovative solutions to new challenges within the industry. Our line of P2 pollution prevention equipment includes self-recycling parts washers, weapon-cleaning systems, fuel blending equipment, and other recycling products that are on the leading edge of technology in the industry.

## ClearSpan Fabric Structures

1395 John Fitch Blvd  
South Windsor, CT 06074  
United States  
www.clearspan.com

### Booth #820

ClearSpan Fabric Structures is the industry-leading manufacturer of tension fabric buildings, offering American-made structures with in-house engineering, manufacturing, financing and installation. We provide a one-stop shop for your building needs. Let us design the best building for your application. ClearSpan structures are the greatest value for your investment.

## Clockwork Solutions Inc

115 Wild Basin Rd Ste 301  
West Lake Hills,  
TX 78746  
United States

www.clockwork-solutions.com

### Booth #103

Clockwork Solutions Inc. conducts life cycle modeling and simulation of the comprehensive life cycle elements of complex equipment, their supply, and the fleets in which they operate. This technology allows fleet operators like the U.S. Army and USMC to explore the impact of future fleet management decisions, prior to making a decision.

See our ad on cover 2

SILVER GOLF  
SPONSOR

## Coleman Cable Inc.

1530 S Shields Dr  
Waukegan, IL 60085  
United States  
www.colemancable.com  
**Booth #824**

Coleman Cable Inc. leading North American manufacturer of Electrical, Electronic wire & cable and assembled products. Over 40 years of Industry expertise is implemented at all our ISO 9001 facilities, with Military conformance to MIL-I-45028, and QPL listed products per MIL-DTL-17. The Coleman Cable product offerings are visible in many Military Ground Support requirements.

## Concurrent Technologies Corp

1517 Moultrie Rd  
Albany, GA 31705  
United States  
www.ctc.com  
**Booth #309**

The Life Cycle Modeling Integration (LCMI) Program is a suite of Web-based decision support tools which provide timely and accurate data and information to Commanders and Program Managers alike. This data and information enables better Total Life Cycle Management decision making at the strategic, operational, and tactical levels of acquisition and logistics. LCMI Program supports Headquarters United States Marine Corps (USMC), Marine Corps Logistics Command, and numerous Program Manager's .

## Corpus Christi Army Depot

308 Crecy St  
Corpus Christi, TX 78419  
United States  
www.ccad.army.mil  
**Booth #635**

Corpus Christi Army Depot ensures aviation readiness through overhaul, repair, modification, recapitalization, retrofit, testing and modernization of helicopters, engines and components for UH-60 Black Hawk, CH-47 Chinook, AH-64 Apache, OH-58 Kiowa, Air Force HH-60 Pave Hawk, and legacy Air Force and Marine Corps components.

## Crestwood Technology Group CTG

1 Odell Plaza Ste 139  
Yonkers, NY 10701  
United States  
www.CTG123.com  
**Booth #228**

Experts in supplying authentic obsolete, discontinued, end of life and hard to find parts including Military and Aerospace parts. Counterfeit-Free Supply Chain Strategies. DLA Qualified Supplier list for FSC 5961 and 5962. Lockheed Martin Small Business of the Year - April 2010. Boeing Silver Performance Award 2008, 2009, 2010. For more information, please visit our website listed above.

## CribMaster

1955 W Oak Cir  
Marietta, GA 30062  
United States  
www.cribmaster.com  
**Booth #220**

Since the early 1990's CribMaster, has been the leading provider in RFID tool control solutions. The entire suite of RFID devices driven by robust CribMaster software provides 100% accuracy for managing inventory in today's and tomorrow's complex military environments. The USAF, US Army Depots, US Naval Shipyards, and the USMC have all realized positive results in tool control, reduced stock outs, increased productivity, and higher accountability from the implementation of this advanced RFID system.

## D

### D & W Diesel Inc

1503 Clark Street Rd  
Auburn, NY 13021  
United States  
www.dwdiesel.com  
**Booth #926**

D&W Diesel is a distributor and remanufacturer of engine components, including starters, alternators, diesel fuel injection pumps & injectors, fan clutches, water pumps, compressors and turbochargers. With over 35 years of remanufacturing experience, our remanufactured units provide like new quality at a fraction of the cost of new.

### Daniels Manufacturing Corp

526 Thorpe Rd  
Orlando, FL 32824  
United States  
www.dmttools.com  
**Booth #629**

With sixty years of industry experience, Daniels Manufacturing Corporation (DMC) is the leading manufacturer of Mil-Qualified Crimp Termination Tools, Wiring System Maintenance Tool Kits, and Insertion/Removal Tools. DMC also supplies Backshell Assembly Tools, ALPHATRON Wire Crimp Pull Testers, and SAFE-CABLE, the time saving substitute for Safety Wire.

### Defense Acquisition University

9820 Belvoir Rd  
Fort Belvoir, VA 22060  
United States  
www.dau.mil  
**Booth #705**

### Defense Logistics Agency

8725 John Kingman Rd Ste 4317  
Ft Belvoir, VA 22060  
United States  
www.dla.mil  
**Booth #800**

The Defense Logistics Agency (DLA) manages over 5 million items of supply for America's warfighters including subsistence, medical, clothing, fuel, construction equipment and parts for aviation, land and maritime weapon systems. DLA also provides distribution, cataloging, redistribution of excess and document processing services.

### Defense Support Services LLC

4100 International Plaza Ste 200  
Ft worth, TX 76109  
United States  
**Booth #920**

Defense Support Services, (DS2) , "We serve those who serve". Provides DOD customers, a quality, experienced, Aviation maintenance, Logistics, Ground vehicle, professional workforce, (many are Veterans) who understand 'managing' material / mission readiness requirements. DS2 teams with customers for "Operational success" combining their Management and Technical expertise with a commitment to employing most efficient practices and processes.

### DG Technologies

33604 West Eight Mile Road  
Farmington Hills, MI 48335  
United States  
www.dgtech.com  
**Booth #225**

DG Technologies provides Vehicle Network Solutions using quality products, custom solutions, consulting and education. Over the past 25 years, our standards-based network adapter and diagnostic solutions include High Speed CAN/J1939, J1597/J1708, ISO9141, LIN, FlexRay and more, used in diagnostics, flashing and data logging/ recording for the Military, Heavy-Duty Truck & Bus, Agricultural, Construction, Automotive, Aerospace Telematics, and Robotics industries. Design, diagnose, reprogram, and capture/analyze data on today's vehicle networks using DG Technologies... Vehicle Network Solutions!

## Diagnosys

2605 Solano Dr  
Flower Mound, TX 75022  
United States  
www.diagnosys.com  
**Booth #107**

Electronic test, diagnostics, obsolescence and repair services for the defense, industrial and mass transit market sectors.

## DLA Aviation Industrial Plant Equipment Services

8000 Jeff Davis Hwy  
Richmond, VA 23297  
United States  
**Booth #804**

## E

### EnerSys

2800 S Shirlington Rd Ste 401  
Arlington, VA 22206  
United States  
www.hawkeraplus.com  
**Booth #336**

EnerSys, the world's largest manufacturer of industrial batteries, offers complete VRLA, Li-Ion, Lithium Primary Reserve, and Nickel Cadmium stored energy solutions for the aerospace and defense industry. EnerSys batteries for military tactical ground vehicles, aircraft, ships, submarines, and weapons systems are known for their superior quality and innovative technology

### Ensinger Inc

365 Meadowslands Blvd  
Washington, PA 15301  
United States  
www.ensinger-online.com  
**Booth #207**

We call on our many years of experience in a vast array of industrial sectors to find the optimum solution for your specific application. We design and manufacture semi-finished and finished products as well as complete assemblies tailored exactly to your individual requirements.

### Ericson Manufacturing Co

4215 Hamann Pkwy  
Willoughby, OH 44094  
United States  
www.ericson.com  
**Booth #208**

Ericson Manufacturing, Small business leader since 1918 in Temporary Power Distribution, Lighting, Connectors/Plugs, GFCIs, and Cable Reels. We provide high-quality, US made, safe, reliable, and rugged products. Our distribution systems are quick, easy set-up with lightweight, single-man carry designs with every possible safety feature. Patented IPDM modules indicate correct and safe power. Our energy efficient lighting systems range from stringlights, handlamps, tent tube lights, wide area lighting, to explosion proof lighting (Class 1 & 2, Div 1 & 2).

## F

### Fastening Systems Intl Inc

1206 E Macarthur St  
Sonoma, CA 95476  
United States  
www.fsrivet.com  
**Booth #335**

Fastening Systems International, Inc. is a leading manufacturer of blind rivet tool kits featuring ergonomic, light-weight & powerful hand hydraulic, air-hydraulic and 12VDC battery operated riveters. FSI is an authorized distributor for Cherry Aerospace, Huck/Alcoa Fastening Systems (Aerospace), Zephyr/Lok-Fast Aerospace Tooling, Makita Assembly Tools, Sioux Air Tools, AVK Fasteners and Gesipa/Olympic fastening systems.



## Federal Supply Services Int

PO Box 1322  
Portsmouth, OH 45662  
United States  
www.federalssupplyservices.com

### Booth #737

Federal Supply Services International is a veteran owned business, our focus is sustainable packaging our principal product line is the G-PAK EZup packing, shipping and storage system a fully reusable, durable, long lasting, weather resistant pallet box. This product has been tested down rang and around the world receiving A+rating!

## Flexible Lifeline Systems Inc

14325 W Hardy Rd  
Houston, TX 77060  
United States  
www.flexiblelifeline.com

### Booth #924

Flexible Lifeline Systems, Inc. is a Turnkey Provider of Innovative Fall Protection Solutions.

## Flightcom

7340 SW Durham Rd  
Portland, OR 97224  
United States  
www.flightcom.net

### Booth #916

Flightcom is a premier manufacturer of military aircrew ANR headsets with integral SAT/cell phone and auxiliary audio input functionality, as well as Passive headsets and portable wireless headset systems for ground use. Designed for aircrews and maintainers, Flightcom headsets are engineered and manufactured to withstand rugged environments and are USAF approved on multiple airframes.

## Fontaine Military Products

### Fontaine PartSource

3400 Industrial Pkwy  
Jasper, AL 35501  
United States  
www.fontaineartsource.com

### Booth #534

Fontaine Military Products designs and manufactures Highly Engineered Trailers and Transport Equipment that is serviced after the sale by Fontaine PartSource

## Frontier Technology, Inc.

100 Cummings Ctr Ste 450G  
Beverly, MA 01915  
United States  
www.fti-net.com

### Booth #341

FTI will be displaying its toolkit and technologies that help organizations design, implement and manage CBM solutions. The toolkit includes identifying high value systems, FMECA analysis, sensor effectiveness, logistics and sustainment system impact, business case analysis, and prognostic and health management systems.

## G

## General Services Administration

2200 Crystal Dr Rm 200  
Arlington, VA 22202  
United States  
www.gsa.gov

### Booth #601

Our focus will be: GSA is the Federal government's procurement expert. GSA provides acquisition support and assistance to the US military. We provide products and services to federal civilian agencies and state and local governments to accomplish their critical mission requirements. For more information, please visit us at www.gsa.gov.

## GFM

6329 Riviera Dr Ste B  
North Richland Hills, TX 76180  
United States  
www.agfm.at

### Booth #915

GFM GmbH, located in Steyr, Austria, is a worldwide machine tool manufacturer, founded in 1944. All engineering, design, manufacturing and sales are managed from the Austrian location, with additional sales offices in Europe and the United States. US sales are managed by Frank Elliott in the Dallas, Texas, Metroplex.

## Gorilla and Four Star Companies Division of Murray Corp.

260 Schilling Cir  
Hunt Valley, MD 21031  
United States  
www.threadrepairs.com www.gorillatools.com

### Booth #205

Four Star and Gorilla Tool companies make time saving tools that help get vehicles and equipment back into the field, and help to save money. Four Star is our split die thread repair chasers. Gorilla is our bolt diameter and thread pitch gage. Replace bolts and studs accurately.

## H

## HCL

15 Exchange Pl  
Jersey City, NJ 07302  
United States  
www.hcl-axon.com

### Booth #813

HCL AXON (www.hcl-axon.com) delivers significant value to Aerospace and Defense clients through the innovative implementation and support of SAP technologies. HCL AXON's iMRO and Ready-to-Make solutions provide substantial improvement to Aerospace and Defense Maintenance, Repair & Overhaul and Manufacturing operations. Our Puerto Rico SAP Services Delivery Center is fully ITAR compliant.

## Herndon Products Inc

3801 Lloyd King Dr  
O Fallon, MO 63368  
United States  
www.herndonproducts.com

### Booth #828

Herndon Products is the aerospace and defense industry's premier destination for quality supply chain solutions, efficiently providing high quality consumable hardware, hi-lock pins and collars, high-strength bolts, fittings, seals, bearings, electrical components and Lithium batteries, just to name a few. For over twenty years we have provided our expertise, superior products and our commitment to excellent customer service. As the leader in the supply chain industry, we set the standard on innovative techniques as well as creating total cost solutions specialized for each and every valued customer. Herndon's reputation for outstanding reliability, quality and value is the hallmark of the supply chain industry, and we are proud of our many industry awards and achievements as well as our many loyal customers. We are a company that thrives on meeting individual challenges, exceeding expectations and performing ahead of the curve. Herndon Products is an ISO 9001-2000 and AS9120 certified small business.

## Horizons ISG-Metalphoto

18531 S Miles Rd  
Cleveland, OH 44128  
United States  
www.horizonsisg.com

### Booth #230

Re-introducing Metalphoto® photosensitive anodized aluminum: the most durable aluminum substrate for UID labels and nameplates. Because of its ability to perform across a range of challenging environments, Metalphoto meets important UID specifications, including MIL-STD-130N, MIL-A-8625 and GG-P-455B. Metalphoto's durability results from its proprietary silver halide image that is permanently sealed within the metal, making that image virtually impervious to chemicals, heat, abrasion, salt spray and UV/weather.

## HQ AMC - CECOM

4400 Martin Rd  
Redstone Arsenal, AL 35898  
United States

### Booth #243

## HQ AMC - TACOM

4400 Martin Rd  
Red Stone Arsenal, AL 35898  
United States

### Booth #342

## IB Express

### Operated by Industries for the Blind Inc

445 S Curtis Rd  
West Allis, WI 53214  
United States  
www.ibexp.com/MRO

### Booth #837

IB EXPRESS has added more than 50,000 new tools and Maintenance, Repair and Operations (MRO) products to its diverse product offerings. IB EXPRESS is operated by Industries for the Blind, Inc.-Milwaukee, a not-for-profit whose mission is to provide employment and career advancement opportunities for blind and visually impaired Americans.

## ID Integration Inc

13024 Beverly Park Rd Ste 104  
Mukilteo, WA 98275  
United States  
www.id-integration.com

### Booth #408

ID Integration specializes in providing IUID compliance solutions to meet MIL-STD-130N and DFARS 252.211-7003 marking requirements. We feature lasers and other marking technologies, nameplates, verifiers and IUID Smart Scanners to provide turnkey IUID compliance. RFID and other AIT technologies are also part of our solution set.

## IDZ Technologies, Inc.

3925 W Braker Ln Fl 3  
Austin, TX 78759  
United States  
www.idztechnologies.com

### Booth #433

## Impact-RLW Systems, Inc.

270 Walker Dr Ste 200W  
State College, PA 16801  
United States  
www.impact-tek.com

### Booth #902

Impact-RLW Systems develops high-quality innovative hardware and software for Condition Based Maintenance (CBM) applications.

## InduMar Products Inc.

3355 W Alabama St Ste 110  
Houston, TX 77098  
United States  
www.indumar.com

### Booth #119

Celebrating 25 years providing innovative solutions for pipe leaks, corrosion repair, and pipe rehabilitation. Presenting the STOP IT@ PIPE REPAIR SYSTEM, Stopt HP™ and RiserRescue™ among others.

## Intergraph Government Solutions (IGS)

22289 Exploration Dr Ste 101  
Lexington Park, MD 20653  
United States  
www.intergraphgovsolutions.com

### Booth #740

IGS is the leading global provider of engineering and geospatial software that enables customers to visualize complex data. Intergraph's software and services empower customers to build, operate, and maintain more efficient aircraft, ships, and structures, and protect critical infrastructure and millions of people around the world.

## Intermec

6001 36th Ave W  
Everett, WA 98203  
United States  
www.intermec.com

**PLATINUM  
PARTNER**

### Booth #700

Intermec mobile computing technology automates maintenance and repair by putting all necessary information right into the technician's hands. The team of dedicated professionals from Intermec will showcase rugged batch and wireless handheld computers, including the new 70 Series, that deliver maintenance histories, maintenance or repair instructions and detailed device information. Built-in scanners verify the equipment being worked on, and a final bar-code scan records the completed work and updates master maintenance records.

*See our ad on cover 3*

## Iso Group - Defense Parts

7700 Technology Dr  
West Melbourne, FL 32904  
United States  
www.iso-group.com

### Booth #741

ISO Group provides world-class sustainment support and services to the global Defense and Aerospace industries. Governments, Militaries, Prime Contractors and all Maintenance Levels utilize ISO Group's procurement-logistic services for virtually any military item. ISO Group simplifies the supply chain by improving lead time, lowering costs and providing industry leading quality control.

## J

## JANA Inc

1717 Universal City Blvd  
Universal City, TX 78148  
United States  
www.janacorp.com

### Booth #827

Our core business is the development, management and delivery of "Technical Documentation." Our services include technical authoring, illustration & CAD services, database management, SGML conversion, Component Maintenance Manuals, Operational Manuals, Illustrated Parts Catalogs, T-Files, Safety Manuals, Service Bulliten updates, Service Letters, technical orders sustainment and development, and S1000D authoring.

## Joint ALC

5851 F Ave  
Hill AFB, UT 84056  
United States  
Booth #301

Together the Joint ALCs are the sustainment arm of AFMC. We provide world-wide logistics management sustainment and repair for most of the nation's military airframes, munitions and strategic ICBMs, system program management, and software development and support. While delivering the best value we ensure that the Air Force meets the needs of the war fighter.

## K

## Karcher North America

4275 NW Pacific Rim Blvd  
Camas, WA 98607  
United States  
www.karcher.com/usa/Home.htm

### Booth #507

In terms of quality and technology we are the world's leading provider of cleaning systems, cleaning products and services for recreation, household, trade and industry. Our products enable our customers to solve their cleaning tasks in an economical and environmentally-friendly manner. We have extremely satisfied and enthusiastic customers!

## Kipper Tool Company

2375 Murphy Blvd  
Gainesville, GA 30504  
United States  
www.kippertool.com

### Booth #437

Kipper Tool has been supporting DoD for over 15 years, with over 1 million vendor managed tool systems, hardware and hard to find items; 2 out of every 5 soldiers has been issued a genuine Kipper system. We know the job is tough, finding the right solution shouldn't be.

## Kolene Corporation

12890 Westwood St  
Detroit, MI 48223  
United States  
www.kolene.com

### Booth #708

Kolene Corporation - Detroit, MI - will be showcasing its Extreme Cleaning Technologies in Booth # 708. Widely used by industry for OEM and civilian MRO applications for land and air transportation components, these cleaning processes continue to be utilized by various military RESET facilities.

## Kyrish Government Group

4901 Roy J Smith Dr  
Killeen, TX 76543  
United States  
www.kyrishgovt.com

### Booth #337

## L

## Letterkenny Army Depot

1 Overcash Ave Bldg 1  
Chambersburg, PA 17201  
United States  
www.lead.army.mil

### Booth #604

We will be show casing Letterkenny Army Depot's expertise as a Capabilities Based Depot that provides worldwide, reliable, responsive and cost-effective support to ensure the readiness, sustainability and safety of the forces.

## LMI

2000 Corporate Rdg  
Mc Lean, VA 22102  
United States  
www.lmi.org

### Booth #717

LMI is a not-for-profit strategic consulting firm committed to providing government leaders with innovative solutions that make a difference. We will display examples of recent reports and analyses produced for our public sector clients that cover logistics, financial management, facilities management, information management, organizational improvement, and policy and program support.

**GOLD PARTNER**

*See our ad on page 41*

## Lockheed Martin

15030 Rosehaven St Ste 600  
Fairfax, VA 22030  
United States  
www.lmco.com

### Booth #213

Lockheed Martin is DoD's leading logistics and sustainment partner. We provide solutions that assure mission outcomes at affordable costs. Whether delivering critical supplies or ensuring asset operational availability, Lockheed Martin's best in class logistics provide cost-effective, on-time solutions that enable warfighter readiness at the most affordable cost; across the spectrum of outcome based sustainment, maintenance/reset support, Best-in-Class supply chain management, and leading edge asset management. Headquartered in Bethesda, MD, Lockheed Martin is a global security company that employs 126,000 people worldwide.

*See our ad on cover 4*

**PLATINUM  
PARTNER**

## Logis-Tech Inc

9450 Innovation Dr Ste 1  
Manassas, VA 20110  
United States  
www.logis-tech.com/

### Booth #409

LOGIS-TECH is a logistics engineering and professional services organization specializing in: (1) Environmental Protection and Corrosion Prevention; (2) Equipment Service Support; (3) Logistics Applications and Solutions; and; (4) Information Technology Services. LOGIS-TECH's patented Environment Stabilization System (ESS®) provides control humidity protection with a 9:1 return on investment.

## Lucas Oil Products Inc

302 N Sheridan St  
Corona, CA 92880  
United States  
www.lucasoil.com

### Booth #209

Lucas Oil Products will be exhibiting Automotive Additives, Lubricants, and Petroleum products.

## M

## Machida, Inc.

40 Ramlan Rd S Ste 1  
Orangeburg, NY 10962  
United States  
www.machidascope.com

### Booth #703

Machida, Inc. is a manufacturer and designer of borescopes. With customized scopes, fast turnaround times, prompt knowledgeable service, and a rapidly spreading reputation for innovation and performance, Machida has become a market leader in flexible borescopes, videoscopes, borescope kits, and accessories.

### MagChem Inc. (in partnership with Dysol)

1271 Ampere, Suite 101  
Boucherville, Quebec J4B 5Z5  
Canada  
www.magchem.com

#### Booth #206

MagChem, Dysol and Dynamold develop and manufacture high performance chemicals and epoxies focused on OEM / MRO for commercial and military aircraft engines and fuselages. They also offer the Socomore product lines of surface treatments, preparations and protections to North American aerospace customers. The brands have pooled sales forces, manufacturing and R&D skills.

### ManTech

14119 Sullyfield Cir Ste A  
Chantilly, VA 20151  
United States  
www.ManTech.com

#### Booth #434

Headquartered in Fairfax, Va., with approximately 10,000 professionals around the world, ManTech is a leading provider of innovative technologies and solutions for mission-critical national security programs for the intelligence community; the departments of Defense, State, Homeland Security, Energy and Justice; the space community; and U.S. federal government customers.

### Marine Corps Logistics Command

814 Radford Blvd Ste 20344  
Albany, GA 31704  
United States  
www.logcom.usmc.mil

#### Booth #502

The Marine Corps Logistics Command is the hub for Marine Corps logistics products and services, supporting three core competencies; supply chain management, depot maintenance (repair, rebuild and modify ground combat and support equipment), and materiel repositioning. We strive to provide the best "Logistics Solutions for our Warfighters."

### MDS Coating Technologies Corp

60 Aerospace Blvd  
Slemon Park, Prince Edward Island C0B 2A0  
Canada  
www.mdscoating.com

#### Booth #328

MCT will display erosion / corrosion protection coatings for gas turbine engine compressor airfoils.

### Metal Improvement Co.

80 Route E  
Paramus, NJ 07652  
United States  
Metalimprovement.com

#### Booth #730

Metal Improvement Company provides laser peening, shot peening, heat treating, and coating services that enhance the performance and extend the life of metallic components. Metal Improvement currently operates a network of 75 job shop facilities in North America and Europe.

### Mid-State Aerospace Inc

710 N Lindenwood Dr  
Olathe, KS 66062  
United States  
www.midstateaero.com

#### Booth #803

Since 1983, Mid-State Aerospace, Inc. has been a premier provider of aerospace hardware and hose assemblies for commercial and military aerospace, as well as specialized industrial and marine applications. We have built a strong reputation by providing exceptional products and service to OEM's, government agencies, and aircraft maintenance repair providers.

### Military Logistics Forum

Ste 300  
15800 Crabbs Branch Way  
Rockville, MD 20855  
United States  
www.mlf-kmi.com

#### Booth #906

MLF is the publication of record for the military logistics community. We detail every aspect of the supply chain from contracting and acquisition, development, life cycle management, reset and recap, asset management, and process improvement from factory to fort and beyond. Congress, senior Pentagon leadership, the service's logistics communities and the logistician in theater all turn to MLF.

See our ad on page 30

### Moog Inc

2268 S 3270 W  
Salt Lake City, UT 84119  
United States  
www.moog.com

#### Booth #806

Moog is the world's premier supplier of complete flight control systems and products. We design, manufacture and integrate primary and secondary flight controls for civil, military, and rotary aircraft. Our aftermarket and engineering support includes a vast array of programs and services designed to meet your needs.

## N

### NASA Aircraft Operations

2101 Nasa Parkway Nasa Jsc Cc  
Houston, TX 77058  
United States  
www.nasa.gov

#### Booth #914

NASA's specialized fleet includes the world's last operable Super Guppy Transport aircraft, the WB-57 used for high-altitude research; the C-9 "Weightless Wonder", and the Gulfstream GIII for rapid transport and data gathering missions. NASA meets the challenges of such a wide variety of aircraft and missions by combining our engineering capabilities with a diverse maintenance team.

### National Center for Mfg Sciences

3025 Boardwalk St  
Ann Arbor, MI 48108  
United States  
www.ncms.org

#### Booth #113

The NCMS/DoD CTMA program develops and deploys new technologies positively impacting the sustainment of weapon systems bringing new technologies from the US industrial base into the DoD maintenance facilities. Companies that will be joining NCMS this year are Imaginetics, Eclipse International, I.D. Systems, Advanced Tooling Corporation and Black & Rossi.

### National Defense Industrial Association

2111 Wilson Blvd Ste 400  
Arlington, VA 22201  
United States  
www.ndia.org

#### Booth #203

NDIA is America's leading non-profit Defense Association providing a legal and ethical forum for networking and knowledge exchange between the DoD, DHS, all branches of the US Military, and industry. NDIA has local chapters, divisions for corporate involvement, and numerous conferences and trade shows. Individual and Corporate memberships are available.

### National Standard Parts Associates Inc

4400 Mobile Hwy  
Pensacola, FL 32506  
United States  
www.nspa.com

#### Booth #105

The Sealed Crimp and Solder, and Sealed Multi-wire Connectors, as well as Sealed Solder and Crimp and Seal terminals and splices. Our sealed electrical connectors increase operational readiness, reduce maintenance man hours, reduce electrical failures, and increase reliability. NSPA is the national leader in heat shrink connectors, providing the highest quality and innovation for maintenance and OEM applications.

### Naval Air Systems Command

47123 Buse Rd Bldg 222  
Patuxent River, MD 20670  
United States

#### Booth #121

Comprehensive Automated Maintenance Environment Optimized (CAMEO): Provides an adaptable, government owned open source, joint service, Automated Maintenance Environment (AME) and Condition Based Maintenance (CBM) capability, supporting continuous integration and automation of operational, maintenance, and logistical processes and technical data to improve aircraft readiness and reduce sustainment costs for the war fighter community.

### NAVSEA Division Keyport

610 Dowell St  
Keyport, WA 98345  
United States

#### Booth #402

Naval Undersea Warfare Center (NUWC) Division, Keyport provides Fleet readiness support for submarines, surface ships, torpedoes, mines, land attack systems, and Fleet training systems. Support services we provide includes in-service engineering, test and evaluation, custom engineered solutions, and cutting-edge technologies that sustain and maintain our nation's Undersea Warfare Systems. NUWC Keyport is located on Puget Sound in Washington State. Our remote locations provide test and evaluation facilities for USW ships and systems located in British Columbia, Hawaii, California, Nevada, and Guam. American's Navy undersea superiority is our priority!

### NGRAIN

Suite 250  
1818 Cornwall Avenue  
Vancouver, British Columbia V6J 1C7  
Canada

www.ngrain.com

#### Booth #821

NGRAIN provides 3D equipment simulation software and solutions for installation, maintenance, repair, and troubleshooting training and performance support. In use throughout the US and Canadian armed services, NGRAIN commercial-off-the-shelf solutions are transforming the communication of critical technical knowledge for hundreds of pieces of equipment.

### Northrop Grumman

17066 Goldentop Rd  
San Diego, CA 92127  
United States  
www.ngc.com

**GOLD PARTNER**

#### Booth #405

Northrop Grumman is a leading global security company providing innovative systems, products and solutions in aerospace, electronics, information systems, and technical services to government and commercial customers worldwide. We provide affordable modernization and sustainment support in logistics management, depot maintenance, sustaining engineering and global field management. We support operations across the US in addition to supporting customers at 18 international locations. Quantum Readiness Life Cycle Logistics & Support, supported by NGC's Support Anywhere IT infrastructure, allows cost-effective and innovative development, production and sustainment synergies to emerge quickly.

See our ad on page 21

## **NUTEK GREEN**

7005 Cochran Rd  
Solon, OH 44139  
United States  
www.nutekgreen.com

### **Booth #235**

High-performance, industrial strength, environmentally friendly cleansers and lubricants.

## **NUWC DET FEO NORFOLK**

169 Magazine Rd Bldg Juliens Creek Anx  
Portsmouth, VA 23702  
United States

### **Booth #805**

Naval Undersea Warfare Center Detachment Field Engineering Office Norfolk will be exhibiting Miniature/Microminiature (2M)/Module Test and Repair (MTR) Circuit Card Assembly (CCA) Repair capability.

## **O**

## **Omax Corporation Inc**

21409 72nd Ave S  
Kent, WA 98032  
United States

www.omax.com

### **Booth #908**

OMAX® Corporation is the world leader in the manufacturing of precision engineered, computer controlled, two-axis (X-Y) abrasive waterjet systems for use across various industries including fabrication, machining, and tool and die. OMAX JetMachining® Centers are built to boost productivity by providing efficient, accurate, flexible, and fast waterjet cutting capabilities. OMAX provides a smart solution for supporting legacy warfare tools in various military applications, such as ships, aircraft, tanks, and other personnel carriers. Abrasive waterjet technology can have advantages over conventional machining methods particularly for reverse engineering projects. You can easily make legacy components from an existing sketch. OMAX systems cut a variety of materials directly from CAD or DXF files, and are great for production runs, tooling, short-runs and prototyping. We also offer a Mobile JetMachining Center for convenient and frequent transporting situations. OMAX also offers regionalized technical support to ensure your waterjet is always operating at its highest levels.

## **O'Neil & Associates Inc**

495 Byers Rd  
Miamisburg, OH 45342  
United States  
www.oneil.com

### **Booth #607**

ONEIL is a global leader in the development of product support information solutions. We specialize in content development, open architecture solutions, Interactive Electronic Technical Manuals (IETMs), e-learning, and content management systems. We use evolving technologies to manage and distribute information that serves the defense, aerospace, and consumer/industrial markets.

## **Optima Batteries Inc**

24741 Westridge Rd  
Golden, CO 80403  
United States  
www.milbatteries.com

### **Booth #725**

Optima SPIRALCELL battery technology – Warfighter proven! Sealed batteries for vehicle and support equipment applications. Optima technology utilizes pure lead/tin plates wound into a tight SPIRALCELL, providing the highest power/lb, longer life, fast recharge, no leaking or corrosion. Contact Mil Batteries for technical assistance, maintenance training, or purchase info. please visit our website.

## **Oracle**

1001 Sunset Blvd  
Rocklin, CA 95765  
United States  
www.oracle.com

### **Booth #912**

Oracle (NASDAQ: ORCL) is the world's most complete, open, and integrated business software and hardware company. For more information about Oracle, visit our website.

## **P**

## **Palmer Johnson Power Systems**

1835 Haynes Dr  
Sun Prairie, WI 53590  
United States  
www.pjpower.com

### **Booth #224**

Palmer Johnson Power Systems specializes in servicing, rebuilding and supplying components for transmissions and axles used in US Coast Guard & Navy Vessels, ARFF Crash Fire & Rescue Trucks, Ground Support Equipment, Fork Lifts, Loaders, Graders, Cranes, Telehandlers, AAV, LAV, M88, M9ACE and more. CCR Registered (SBO). CAGE Code 1EPQ7.

## **Partsmaster**

2727 Chemsearch Blvd  
Irving, TX 75062  
United States

www.partsmaster.com

### **Booth #713**

Partsmaster develops and distributes solution-driven products for maintenance and repair Operations. Including high performance CryoTool cutting tools line, Armor Cut, Xergon welding alloys, X-Cut demolition cutter, Trust-X abrasives, Mega Metals ceramic polymer patching compounds and Dyna Systems specialty hardware and fasteners. For more information visit our website.

## **PAS MRO, Inc.**

17905 Sky Park Cir Ste F  
Irvine, CA 92614  
United States

www.pasmro.com

### **Booth #830**

PAS MRO provides inspection, repair and overhaul of component and assemblies for aircraft – specializing in obsolete and hard to obtain parts for legacy aircraft – include, refurbishment of bearings, repair and overhaul of gearboxes, air cycle machines, cooling fans and LRUs; repair of components. PAS MRO is a current DOD contractor, a Boeing Gold Supplier and recipient of Boeing's Performance Excellence Award for 2010 – Gold Level.

## **PD TMDE**

3651 Army Tacms Rd  
Redstone Arsenal, AL 35898  
United States

peocscss.tacom.army.mil/pmJCSS

### **Booth #630**

PM JCSS focuses on persistent combat and provides capabilities necessary for expeditionary forces. JCSS is the focal point for identifying mature and near-term technologies required to leverage and integrate industry's investments to meet warfighters' demands on tomorrow's battlefields.

## **PEMCO World Air Services**

### **Pemco**

4102 N West Shore Blvd  
Tampa, FL 33614  
United States

www.pemcoair.com

### **Booth #605**

Pemco provides quality workmanship at our three FAA-certified, U.S. service facilities and at our partner sites in Southeast Asia. With our home base in Tampa, Florida, and our locations in Dothan, Alabama and Cincinnati, Ohio, Pemco has grown into a leading MRO services provider for a wide variety of commercial and military aircraft types.

## **Pennsylvania State University Applied Research Laboratory**

PO Box 30  
State College, PA 16804  
United States

www.arl.psu.edu/capabilities/cneters.html

### **Booth #330**

Solving challenges for the U.S. Navy for over sixty years, the Applied Research Laboratory at The Pennsylvania State University (ARL Penn State) has demonstrated innovation and practicality in technology-based research. ARL Penn State is one of five U.S. Navy academic research centers (UARCs) supporting the Navy-Marine Corps team. While ARL Penn State has served as a center of excellence in the undersea technology, it has also facilitated research in other areas to include air, ground and maritime surface systems.

## **Perry Johnson Consulting Inc**

PO Box 397  
Clawson, MI 48017  
United States

www.pjcinc.com

### **Booth #825**

Perry Johnson Consulting, Inc. (GS-10F-0300V) specializes in assisting organizations in the implementation of international standards requirements. Standards include: ISO9000, AS9100, TS16949, TL9000, ISO17025, 13485, ISO14000, ISO18000 ISO27000 as well as food safety standards (SQF, BRC ISO22000). Services include: gap assessment, documentation writing, training, internal audit services, supplier audits, etc.

## **Phillips Screw Co**

1 Van De Graaff Dr Ste 404  
Burlington, MA 01803  
United States

www.phillips-screw.com

### **Booth #509**

Developers of the original PHILLIPS screw driver and recess in the 1930's, we continue to supply the world with effective solutions to fastening problems. Today that commitment to excellence continues with the introduction of the MORTORQ® Spiral Drive System delivering CYCLE TIME REDUCTION, REDUCED WASTE, COST AVOIDANCE and INCREASED READINESS.

## **Pratt & Whitney**

400 Main St  
East Hartford, CT 06108  
United States

www.pw.utc.com

### **Booth #707**

"Pratt & Whitney is a world leader in the design, manufacture and service of aircraft engines, powering the world's only 5th generation fighters -- the F-22 Raptor and F-35 Lightning II, and the F-15, F-16, C-17 Globemaster III, B-52, AWACS, Joint STARS, C-32, T-1A and T-6A. P&W advanced engines and technologies provide solutions for future systems manned and unmanned. P&W customers worldwide benefit from a comprehensive portfolio of services to include overhaul, part and accessory repairs, line maintenance services, and fleet management programs to meet all maintenance requirements.

### PSI Repair Services Inc

11900 Mayfield  
Livonia, MI 48150  
United States  
www.psi-repair.com

#### Booth #101

For over two decades, PSI Repair Services has been providing reliable, cost-effective sustainment solutions to the military. Solutions include custom engineered assets, asset remanufacturing and surplus management. Our experienced engineers utilize proven technologies to provide mission-ready sustainment capabilities for critical electronic, hydraulic and precision mechanical components.

### PulseTech Products Inc

1100 S Kimball Ave  
Southlake, TX 76092  
United States  
WWW.PULSETECH.NET

#### Booth #723

PulseTech Products offers pulse technology charging & performance systems that work with flooded lead-acid & sealed batteries. Our line of scientifically proven pulse technology charging & maintenance systems help lead-acid batteries on combat & tactical vehicles recharge faster, accept a full charge, release all their stored energy, & last longer.

## R

### RDECOM - AMRDEC - AED

Rdmr Tm Sd  
Redstone Arsenal, AL 35898  
United States

#### Booth #530

The Engineering Support Division (ESD) provides life-cycle engineering and technical expertise of weapon systems diagnostic, prognostic, and health management systems in support of the Warfighter, the nation, and our allies. It stands ready as one-point management for all test equipment system support. Through its myriad of technical, engineering, and operations competencies, ESD provides solutions that lead to reduced cost of sustainment and increased operations readiness for ground, aviation, and missile systems. This organization of highly-skilled experts designs, develops and sustains test systems fielded to the U.S. Army, U.S. Army National Guard, and other U.S. Services, foreign military sales customers, and other government agencies. ESD manages the Army's standard automated test systems with multi-weapon systems applications. ESD maintains a clear vision of the ultimate objective throughout all development and production efforts to deliver products and services that support the Warfighters' mission.

### RDECOM - AMRDEC - ED

ATTN RDMR - TM-SD  
Redstone Arsenal, AL 35898  
United States

#### Booth #532

The Engineering Support Division (ESD) provides life-cycle engineering and technical expertise of weapon systems diagnostic, prognostic, and health management systems in support of the Warfighter, the nation, and our allies. It stands ready as one-point management for all test equipment system support. Through its myriad of technical, engineering, and operations competencies, ESD provides solutions that lead to reduced cost of sustainment and increased operations readiness for ground, aviation, and missile systems. This organization of highly-skilled experts designs, develops and sustains test systems fielded to the U.S. Army, U.S. Army National Guard, and other U.S. Services, foreign military sales customers, and other government agencies. ESD manages the Army's standard automated test systems with multi-weapon systems applications. ESD maintains a clear vision of the ultimate objective throughout all development and production efforts to deliver products and services that support the Warfighters' mission.

### Red River Army Depot

100 Main St Bldg 15  
Texarkana, TX 75501  
United States

#### Booth #533

The focus in our booth: RRAD provides responsive and innovative solutions for the Department of Defense (DoD) in repair, overhaul, recapitalization and conversion of combat and tactical vehicles. RRAD has the only capability in DoD for the remanufacture of roadwheel and track. Designated as the Center of Industrial and Technical Excellence (CITE) for Tactical Wheeled Vehicles, the Small Emplacement Excavator, Bradley Fighting Vehicle System, Multiple Launch Rocket System and for Rubber Products. Understanding the Soldier's needs and providing a quality product on time and within cost whether at home or abroad. Designated as Depot Source of Repair for the MRAP family of vehicles and home to MRAP University.

### Reef Industries Inc

9209 Alameda Genoa Rd  
Houston, TX 77075  
United States  
www.reefindustries.com

#### Booth #508

Reef Industries manufactures specialty plastics for government applications to keep weather sensitive materials protected from adverse weather conditions. From deployment in the field or on base, Reef can custom fabricate material to nearly any military requirement.

### Reel-O-Matic Inc

6408 S Eastern Ave  
Oklahoma City, OK 73149  
United States  
www.reelomatic.com

#### Booth #600

Nearly half a century of experience in the design and manufacture of machinery for reeling and coiling of wire, cable, tubing, wire rope, rope, steel, fiber optic material, etc. Custom equipment is a specialty. Standard equipment includes: Take-up and Pay-out machinery (shafted and shaftless), turntables, coilers and spoolers, cut-to-length, high speed respoolers, linear measurers, reel jacks, reel roller platforms, extrusion line Take-ups reel trailers, strip stock pay-outs and feeders. Also available: "Gantry" style Take-up with traversing reel levelwind system and high accuracy Length-Trac measurers with +/- .05% tolerance.

### RF System Lab

Suite 302  
123 W Main St  
Gaylord, MI 49735  
United States  
www.rfsystemlab.us

#### Booth #307

RF System Lab manufactures a highly-portable video borescope with joystick-controlled, four-way articulation. Features include a built-in 3.5" LCD display, on-board image and video capture capability, 2X digital zoom and easy one-hand operation. This ground-breaking video borescope is perfect for a wide range of industrial inspections. For more information visit our website.

### Robbins Gioia LLC

11 Canal Center Plz  
Alexandria, VA 22314  
United States  
www.robbinsgioia.com

#### Booth #631

Robbins-Gioia will feature our new Corporate Performance Optimization (CPO) offering that applies processes and technologies to enable an organization to define, measure, and improve its desired outcomes using corporate performance management; portfolio, program, and project performance; enterprise information management; process refinement and optimization; technology products and services; organizational change management; human capital management; and workforce performance.

### Rock Island Arsenal Joint Manufacturing & Technology Center

1 Rock Island Arsenal  
Rock Island, IL 61299  
United States  
https://ria-jmct.army.mil

#### Booth #129

As the only multi-purpose and vertically integrated metal manufacturer in the Department of the Defense, Rock Island Arsenal is the center that possesses the unique technical expertise and equipment to manufacture products.

### R-O-M Corporation

6800 E 163rd St  
Belton, MO 64012  
United States  
www.romcorp.com

#### Booth #637

R-O-M Corporation specializes in engineering, manufacturing and distributing custom products to meet exact customer specifications. R-O-M manufactures quality products such as: Roll-up Shutter doors, Horizontal Shutters, Service Truck Bed Covers, Cargo Trays & Slides, Safety Walkramps, Side Door Platforms & Ladders, plus Interior & Exterior Lighting Solutions.

### RUD Chain Inc

PO Box 367  
Hiawatha, IA 52233  
United States  
www.rudchain.com

#### Booth #628

RUD's specializes in providing highly-engineered solutions for standard and special applications for all load securing systems, lifting equipment, non-skid chains and technical and logistics support by land, air and sea, delivering high performance chain products to suit the most demanding industrial and military applications

## S

### Safety-Kleen Systems, Inc.

Building 2, Suite 100  
5360 Legacy Dr  
Plano, TX 75024  
United States  
www.safety-kleen.com

#### Booth #125

Safety-Kleen is a leading North American used oil recycling and re-refining, parts cleaning and environmental solutions company, with approximately 4,200 employees serving more than 270,000 customer locations in the United States, Canada and Puerto Rico. Safety-Kleen provides a broad set of environmentally-responsible products and services that keep North American businesses in balance with the environment. For more information, please visit safety-kleen.com

### Science Applications International Corp (SAIC)

230 Margie Drive  
Warner Robins, GA 31088  
United States  
www.saic.com

#### Booth #431

SAIC is a FORTUNE 500® scientific, engineering, and technology applications company that uses its deep domain knowledge to solve problems of vital importance to the nation and the world, in national security, energy and the environment, critical infrastructure, and health. For more information, visit www.saic.com. SAIC: From Science to Solutions®

## SAS

100 SAS Campus Dr  
Cary, NC 27513  
United States  
www.sas.com

### Booth #815

SAS is the global leader in advanced analytics and data-mining software and services. Through innovative business solutions, SAS enables decision-makers to leverage high-fidelity information and use it to predict what will happen and understand why. With this insight provided by SAS, the military can better understand the sustainment costs and optimize the lifecycle planning for increasingly complex and costly systems.

## SEAM Aero, LLC

710 Asp Ave Ste 500  
Norman, OK 73069  
United States

seamaero.com/

### Booth #840

SEAM Aero applies digitally enabled next-generation technologies for the aerospace industry for delivery of high quality solutions through: reverse engineering, metrology, CAD/CAM, tooling design, manufacturing process planning, and rapid prototyping.

## Sierra Army Depot

BLDG 201  
74 C St  
Herlong, CA 96113  
United States

### Booth #429

SIAD is a Joint Strategic Power Projection Platform providing a wide variety of long-term, life-cycle logistics solutions for the Joint Services (from equipment receipt and asset visibility, to long-term care storage and sustainment, to repair/reset, and on-demand rapid deployment from their organic airfield).

## Simple Green

15922 Pacific Coast Hwy  
Huntington Beach, CA 92649  
United States  
www.gsa.simplegreen.com

### Booth #223

The Simple Green family of products includes Original Concentrated Simple Green All-Purpose Cleaner/Degreaser, Extreme Simple Green Aircraft & Precision Cleaner, the Simple Green D Pro line of disinfectants, the Simple Green Clean Building line of Green Seal Certified cleaning products, and much more! Made in the USA for over 35 years.

## Spectro Incorporated

160 Ayer Rd  
Littleton, MA 01460  
United States  
www.spectroinc.com

### Booth #504

Spectro Incorporated specializes in instrumentation for machine condition monitoring. The mainstay of Spectro's products is the Spectroil family of optical emission spectrometers. Our products include SpectroLNF Q200 Wear Shape Classifier and Particle Counter, SpectroVISC family of viscometers, SpectroFTIR family, Spectro FluidScan Q1000, SpectroT2FM Q500 Ferrography System, and the SpectroFDM Q600.

## Spectronics Corporation

956 Brush Hollow Rd  
Westbury, NY 11590  
United States  
www.spectroline.com

### Booth #505

Our focus will be on maintenance. Spectronics Corporation is the world leader in ultraviolet technology since 1955!

## SPX Service Solutions

28635 Mound Rd  
Warren, MI 48092  
United States  
www.spx.com

### Booth #229

SPX Service Solutions is an innovative global supplier of quality products, trusted brands and targeted solutions to a wide range of markets, including automotive, heavy-duty truck, light commercial, agricultural, off-highway, recreational, marine, aftermarket, government and many other market segments.

## StandardAero

1524 W 14th St Ste 110  
Tempe, AZ 85281  
United States  
www.standardaero.com

### Booth #218

## STEINEL

9051 Lyndale Ave S  
Bloomington, MN 55420  
United States  
www.Steinel.net

### Booth #123

STEINEL – The highest standards in design, manufacturing and service have made the STEINEL name synonymous with quality and innovation in over 80 countries worldwide. Made by STEINEL stands for user friendliness, great value and superior performance as only an industry leader can provide.

## Sun Ports / Guard-All Building Solutions

8505 Chancellor Row  
Dallas, TX 75247  
United States  
www.sunports.com

### Booth #721

Sun Ports is a brand and Guard-All Building Solutions an affiliate of USA SHADE & Fabric Structures. Sun Ports is the leader in fabric shade structures in the USA with over 200,000 structures built nationwide. Guard-All specializes in large span, precision engineered fabric buildings for a wide variety of applications.

## SupplyCore

Ste 800  
303 N Main St  
Rockford, IL 61101  
United States  
www.SupplyCore.com

### Booth #435

SupplyCore helps the Government improve supplychain performance while providing superior service to warfighters. SupplyCore holds MRO PV contracts, two GSA Schedules, and the FASI-G Contract for support of land-based tactical vehicle fleets. SupplyCore is a leading integrated supplier, offering logistics, supply chain management, and web-based procurement to the U.S. Military.

## T

## TFD Group

70 Garden Ct Ste 300  
Monterey, CA 93940  
United States  
www.tfdg.com

### Booth #231

TFD Group is the world leader in the development of analytical methods and software tools that support the economic and strategic decisions of the DoD and the MoD. TFD tools and services can help you decrease cost and increase readiness. For more information, please visit our website.

## The POM Group Inc

2350 Pontiac Rd  
Auburn Hills, MI 48326  
United States  
www.pomgroup.com

### Booth #528

POM Group Inc. is a Michigan based minority owned small business that commercializes a state-of-the-art, laser additive manufacturing technology, known as Direct Metal Deposition (DMD®). Using its patented close loop technology, DMD synthesizes fully dense, functional metal parts directly from CAD data using powdered metal and a laser beam.

## Tobyhanna Army Depot

11 Hap Arnold Blvd  
Tobyhanna, PA 18466  
United States  
www.tobyhanna.army.mil

### Booth #320

Tobyhanna Army Depot the largest, full-service electronics maintenance facility in the Department of Defense (DoD). Its mission is total logistics support, including design, manufacture, repair & overhaul of electronic systems. Tobyhanna is DoD's recognized leader in the areas of automated test equipment, systems integration and downsizing of electronics systems.

## Transshield Inc

2932 Thorne Dr  
Elkhart, IN 46514  
United States  
www.transshield-usa.com

### Booth #109

UV/VCI Corrosion Protective Covers

## Trulogic Inc

1430 Oak Ct Ste 311  
Beavercreek, OH 45430  
United States  
www.trulogic.com

### Booth #814

## TW Metals Inc

235 Tubeway Dr  
Carol Stream, IL 60188  
United States  
www.twmetals.com

### Booth #900

Through integrated suppliers, TW Metals is able to offer vendor delivery to all Department of Defense customers nationally/internationally and their allied partners. Allow us to supply all your metals products, including but not limited to Aluminum, Stainless, Alloy, Titanium, Carbon Alloy, Nickel, Red Metals and forgings in all forms.

## U

## Unitron LP

10925 Miller Rd  
Dallas, TX 75238  
United States  
www.unitronlp.com

### Booth #833

Unitron manufactures 400 Hz, 28 VDC, 270 VDC, and combination AC-DC Ground Power Units (GPUs), and Preconditioned Air (PCA) systems. The units are available in mobile, towable, bridge-mounted or free standing configurations.

## Universal Synaptics Corporation

1801 W 21st St  
Ogden, UT 84401  
United States  
www.USynaptics.com

### Booth #440

Winner of the DoD Maintenance Symposium "Great Ideas" Competition 2010 and Tibbets Award recipient 2011. Visit Universal Synaptics in the exhibit area for a demonstration.

## URS

PO Box 367  
Schertz, TX 78154  
United States  
www.urscorp.com  
**Booth #729**

URS Federal Services is a leading provider of management and technical services to the U.S. government. Our staff of more than 17,000 employees provides program management, systems engineering and technical assistance, and operations and maintenance services to a variety of federal agencies, primarily the Departments of Defense and Homeland Security.

## USAF

AF/A4LF  
1030 Air Force Pentagon Ste 4C1088  
Washington, DC 20330  
United States  
**Booth #841**

The Air Force highlights Air Force Maintenance for the 21st Century (AFMx21). AFMx21 provides an enterprise maintenance vision and is the Air Force's strategic plan to guide maintenance transformation. AFMx21 brings together the innovation of maintainers and leverages opportunities to achieve new levels of Air Force maintenance effectiveness and efficiency. The AFMx21 vision is to transform current maintenance organizations and processes into two integrated networks-- a supporting repair network and a mission generation network. The end-state will be a rebalanced wing level maintenance footprint retaining only those capabilities required to conduct air, space, and cyberspace operations and a supporting repair network. Highlights for AFMx21 objectives include Repair Network integration, an Air Force-wide effort to create an environment where the 46,000 Air Force maintainers, working across a vast global complex of more than 100 repair locations to manage repair, and ultimately maximize the effectiveness and efficiency of repair. In addition, introduce ongoing efforts and technologies in work to maximize the effectiveness and efficiency of the mission generation network. Together, these features provide a story showcasing Air Force maintenance transformation.

## United States Marine Corps

3000 Marine Corp Pentagon  
Washington, DC 20350-3000  
United States  
**Booth #100**

The Marine Corps exhibition will highlight the Corps' intent to "Lighten the Marine Air Ground Task Force (MAGTF)" by integrating operations, logistics and intelligence through a shared data environment using common data and business intelligence to develop a User Defined Operational Picture (UDOP). This will provide commanders, staffs, and maintainers with an understanding and the ability to translate battlefield requirements into appropriate maintenance actions in support of the MAGTF.

## US Coast Guard

711 E Ordnance Rd  
Baltimore, MD 21226  
United States  
**Booth #140**

The Defender Class boats currently in operation are assigned to the Coast Guards Maritime Safety and Security Teams (MSST), Maritime Security Response Team (MSRT), Marine Safety Units (MSU), and Small Boat Stations throughout the Coast Guard. With an overall length of 25 feet, two 225 horsepower outboard engines, unique turning radius, and gun mounts boat forward and aft, the Defender Class boats are the ultimate waterborne assets for conducting fast and high speed maneuvering tactics in a small deployable package

## US Dynamics Corp

425 Bayview Ave  
Amityville, NY 11701  
United States  
www.usdynamicscorp.com  
**Booth #406**

U.S. Dynamics Corporation has 50 years experience providing aerospace products and services. We are a unique company offering a wealth of talent and expertise in supporting legacy and mature systems. USD specializes in repairing, overhauling, reverse engineering and providing factory new assemblies and sub-assemblies for many airborne, ground-based and shipboard systems. Areas of expertise include Radar, Microwave, Communications, Fire Control, Power Supplies and Gyroscopes.

## US Army

500 Army Pentagon # ID359  
Washington, DC 20310  
United States  
**Booth #441**

## US Navy Commander Fleet Readiness Centers

47038 McLeod Rd Bldg 448  
Patuxent River, MD 20670  
United States  
**Booth #901**

The US Navy eight Fleet Readiness Centers represent a streamlined reorganization of the Navy's aviation maintenance workforce and directly enhanced the Navy's aircraft operational availability and mission effectiveness. They are improving cost, schedule and performance by standardizing processes, sharing resources and partnering with industry.

## USMC - TMDE

814 Radford Blvd 20325  
Albany, GA 31704  
United States  
**Booth #501**

Display Automated Test Equipment used for testing, performance verification and fault diagnostics of optical devices and ground radios.

## USMC Corrosion Prevention and Control

10201 Fairfax Blvd  
Fairfax, VA 22030  
United States  
www.marcorsyscom.usmc.mil/cpac/  
**Booth #500**

To extend the useful life of all Marine Corps tactical ground and ground support equipment, reduce maintenance requirements and associated costs through identification, implementation, and development of corrosion prevention and control products, materials, technologies, and processes, and repair existing corrosion damage and prevent, or significantly retard future corrosion damage.

## V

### VT Miltope

3800 Richardson Rd  
Hope Hull, AL 36043  
United States  
www.miltope.com  
**Booth #308**

VT Miltope specializes in the design, development and production of fully rugged computers, servers, printers, mass storage devices and related peripherals that must operate in the most demanding environmental conditions. All products are fully qualification tested to MIL-STD-810F and -461E and delivered after 100% Environmental Stress Screening (ESS).

## W

### Wiley X Inc

7800 Patterson Pass Rd  
Livermore, CA 94550  
United States  
www.wileyx.com  
**Booth #401**

### Witte America

5126 S Royal Atlanta Dr  
Tucker, GA 30084  
United States  
www.aerospacefixtures.com/witte\_kits.htm  
**Booth #403**

Witte America is a daughter company of Horst Witte Gerätebau, The world leader in fixture building with over 15 years experience and more than 4,000 systems sold worldwide. Witte was founded 1969 and specializes in precision machining of all sizes of work pieces in high-tensile aluminum alloys. Our range covers not only development and manufacture of our own advanced work piece clamping systems but also precise subcontracting for aerospace and medical technology

### WW Williams Logistics

835 W. Goodale Blvd  
Columbus, OH 43212  
United States  
www.williams.com  
**Booth #221**

W.W.Williams Logistics provides supply chain management of High Mobility Multipurpose Wheeled Vehicles (HMMWV) parts to two locations: Red River Army Depot and Letterkenney Army Depot (LEAD). Williams is responsible for the entire parts supply chain from the time our designated warehouses at RRAD (currently three warehouses in Texarkana and New Boston, Texas) and LEAD receives the HMMWV part to the line side delivery at the depot manufacturing cell. Williams' responsibilities include assisting in demand forecasting, supply chain planning, supply chain optimization, requisition handling, distribution (includes transportation and warehousing) and reporting. Williams performs Supply Chain Management, Recycling Disposal, Surge Demand, Reliability Management, Obsolescence Management, Packaging and Customer Service. In addition we do line side fills, kitting, material management, warehousing and program consulting for BAE in their respective depot operations. In 2008, W.W.Williams Logistics was named the Letterkenney "Supplier of the Year".

### Wyle

320 Corporate Way Ste 100  
Orange Park, FL 32073  
United States  
www.wyle.com  
**Booth #816**

Wyle is DoD's preferred sustainment, T&E, NDI, R&D, engineering and acquisition support provider. Our structural and RCM analyses, planning and database tools enable customers to safely extend system/component service life, increase availability and reduce life-cycle costs. Wyle also manages DoD's Reliability Information Analysis Center. Visit booth 816 for more information.

## Z

### Zebra Technologies Corp

333 Corporate Woods Pkwy  
Vernon Hills, IL 60061  
United States  
www.zebra.com  
**Booth #812**

Zebra Technologies offers barcode, card, kiosk and RFID printers as well as real-time location solutions that help identify, track, and manage critical assets, people and transactions for improved business efficiencies. Our solutions for government applications include printers/encoders, smart label media and software for easy-to-use, low-cost IUID marking/satisfying DoD mandates.



# SAE International's counterfeit electronic parts risk mitigation standards. Protection in a suite of standards.

The proliferation of counterfeit electronic parts poses significant performance, reliability, and safety risks. In 2008, SAE International was tasked by NASA and the DoD for solutions in keeping illegitimate electronic parts out of the aerospace industry. With its rich, 100-year global standards development history, SAE International served as a neutral forum where representatives from industry, government, and defense could address this industry-wide, global challenge. Today, it introduces a ground-breaking suite of standards that includes a mitigation control plan, supplier assessments, and product authenticity verification.

## Do you **PURCHASE** electronic components for integration into aerospace assemblies or equipment?

▶ Implement a control plan to reduce the risk of counterfeit parts entering your inventory.

**Use SAE AS5553 Counterfeit Electronic Parts; Avoidance, Detection, Mitigation.**

Adopted by NASA and the DoD, this document standardizes methods for electronic counterfeit part mitigation outlining processes for electronic design/parts management, supplier management, procurement, part verification, materials control, and response strategies when suspect parts are found. *(Published 2009)*

▶ Evaluate whether your distributors can detect counterfeit parts from entering *their* inventories.

**Use SAE ARP6178 Counterfeit Electronic Parts; Tool for Risk Assessment of Distributors.**

This recommended practice was created to provide organizations with a tool to assess a supplier's ability to prevent counterfeit electronic components. Used by Missile US Defense Agency, it allows companies to evaluate the safety of buying from a particular distributor. *(Available late 2011)*

*Go a step farther:* Specify suppliers comply with **AS6081** to meet AS5553 flow-down requirements.

## Do you **DISTRIBUTE**, supply, or sell electronic parts and/or components to the aerospace market?

▶ Tell your customers that you have a system in place to mitigate the risk of counterfeit parts.

**Certify to SAE AS6081 Counterfeit Electronic Parts; Avoidance Protocol, Distributors.**

This standard describes a program that certifies distributors/suppliers to the requirements of AS5553. While it assists distributors in implementing a risk mitigation program, it maintains certified distributors of electronic components whose use of these controls is designed to ensure delivery of authentic products. *(Available late 2011)*

If, as a distributor you receive electronic parts from sources other than the original manufacturer, consider using ARP6178 in conjunction with AS6081 to self-assess *your* suppliers.

## Do you **TEST** electronic components or certify distributors to AS6081?

▶ Accreditation ensures standardized testing of suspect electronic parts.

**Use SAE AS6171 Test Methods Standard; Counterfeit Electronic Parts.**

This document ensures consistency of test methods across the supply chain by defining test methods for counterfeit electronic part detection. To be used for accreditation of distributors with in-house test capabilities or independent third-party test facilities who will be verifying compliance to AS6081. *(Available early 2012)*

## Do you purchase electronic parts for high-risk performance applications in **MARKETS OTHER THAN AEROSPACE?**

AS5553 is a solution for addressing fake component issues across the electronics industry and any market sector—medical, computer, security, or phone—where failure of an electronic part is not an option. The requirements of AS5553 are generic and intended to be applied to all organizations that procure electronics parts.

**STOP** illegitimate electronic parts from entering the supply chain, your inventory, your design.

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**AECOM**

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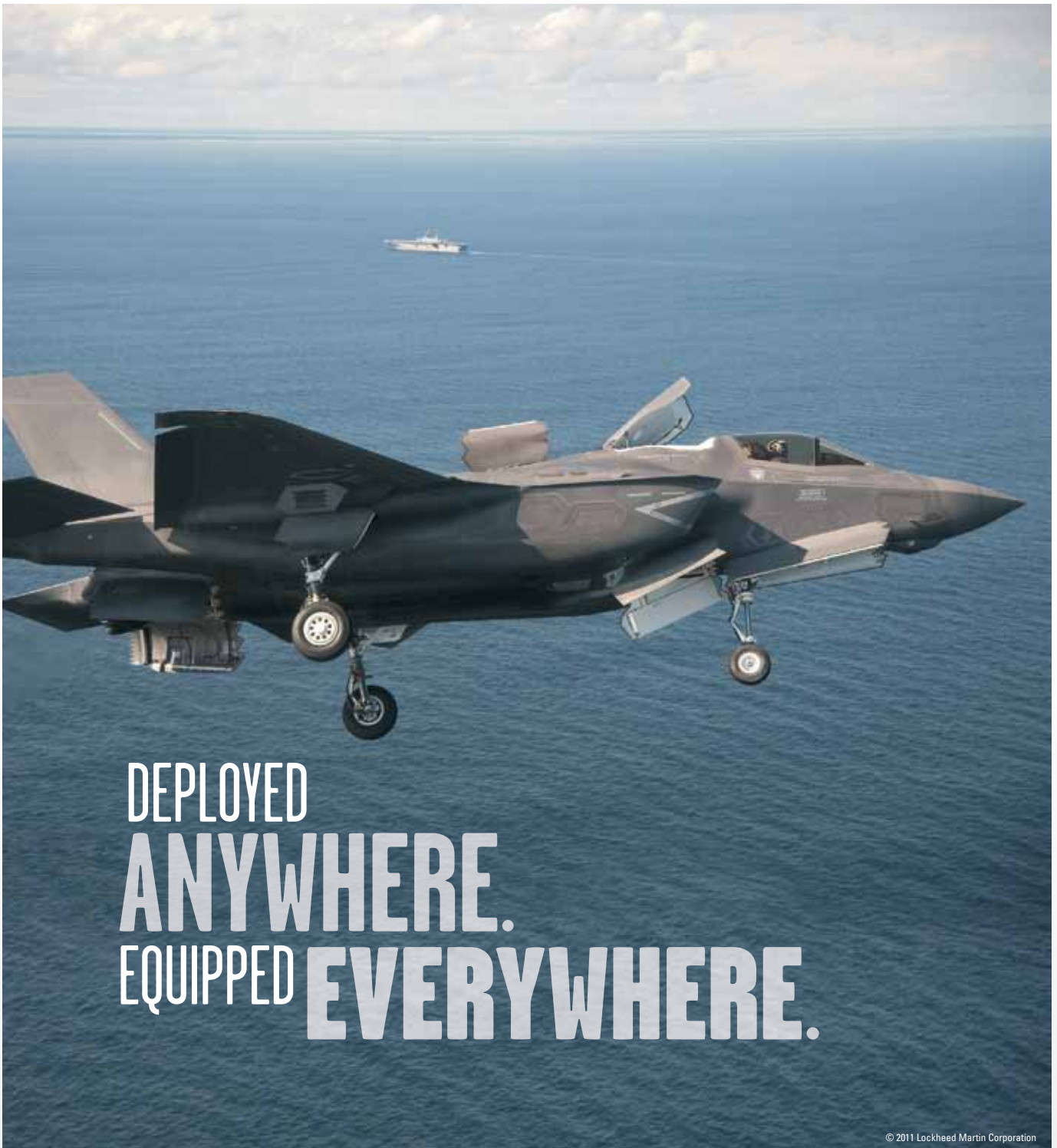
For more than two decades, Intermec has provided the DoD and Federal government agencies with AIT technologies for asset tracking, inventory control, automated warehousing, and depot and distribution management. As an awardee of the AIT-IV contract, Intermec will continue its legacy of commitment to our armed services that has been established over the previous four AIT contracts.

AIT-IV orders for products and services may be placed by any authorized activity supporting the Department of Defense, the United States Coast Guard (CG), North Atlantic Treaty Organization (NATO), Coalition Partners, other Foreign Military Sales (FMS), and other Federal agencies.

**The following Intermec solutions are included in the AIT-IV contract:**

- CK3 and CN3 rugged mobile computers
- SR61 handheld barcode scanner
- PD42 commercial barcode printer
- PF8 desktop printer
- PM4i RFID printer

Stop by the Intermec booth to visit with one of the many knowledgeable account managers who can demonstrate the Intermec line of rugged mobile computers, printers and bar code scanners.



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## THIS IS HOW

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Anticipating a need. Boosting combat effectiveness. It's how predictive and responsive logistics keeps necessary material ready and available, 100% of the time, for forces deployed around the world. Whether it's systems for delivering critical supplies, or ensuring assets are fully functional, Lockheed Martin provides affordable, effective, on-time solutions. Fulfilling today's need through 5<sup>th</sup> generation sustainment is all a question of how. And it is the how that Lockheed Martin delivers.