

GALAXY GAZETTE



Here's your place to find out
what's happening all across the
Andromeda team, from new
innovations to important events
and announcements.

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Acquisition and Program Management

The Pierian Academy is now Available for E-Learners

By Rob Willis

The Pierian Academy is a collaborative effort between ASI and Aspire that offers decades of experience and world-class training in Reliability, Maintainability, Supportability, and Logistics Engineering. The Academy provides a platform for our companies to provide training and training support in a variety of formats, including traditional classroom instruction, virtual instructor-led training (VILT), and on-demand courses through the Pierian Academy Learning Management System (LMS).

The LMS has been under construction for over a year as e-content was being developed. Several courses have been converted to e-learning formats and uploaded to the LMS. Customers can access the entire LMS catalog here. Once a course has been selected, the customer will be asked to create an account that can be used to monitor course progress, view supplementary training content, and develop a personal training plan. Capabilities of the LMS include:

- Distance Learning via pre-recorded, online material
- Virtual, Instructor-Led Training (VILT) via online platforms
- Video/Static Material presentations
- Online registration/payment
- Q/A, Quizzes, Course Surveys, etc.
- Student feedback (Badging, Scoring, Certificates, Transcripts)
- Course Tracking toward Certification
- Link to LMS from ASI and Aspire websites
- Targeted Marketing Opportunities based on user interests/searches

Help us get the word out about the Pierian Academy and our new LMS!



COMFRC Renews its Focus on Achieving Lower Repair Costs Through Beyond Capability of Maintenance Interdiction Program

By Rob Willis

The Commander, Fleet Readiness Center's (COMFRC) mission is to “support effective and efficient flightline readiness through a globally managed, responsive, and integrated sustainment system.” To this end, COMFRC provides policies and processes that enable the repair of over 30,000 components at its Depot Level and Intermediate Level Repair Sites.

To keep the fleet flying, repairs must be accomplished at the right level while meeting cost and schedule objectives. Financial constraints often cause COMFRC to reevaluate its repair policies to reduce repair costs. One of the most effective methods of reducing repair costs is to repair these components at the Intermediate Level instead of sending them to the Depot Level. When the Intermediate Level repairs a component, units avoid the Aviation Depot Level Repair (AVDLR) costs associated with repair and overhaul tasks performed in the organic Depot. Beyond Capability of Maintenance Interdiction (BCM-I) analysis identifies opportunities to move repair capability to the Intermediate Level, reducing the repair cost. Possible solutions include assigning a Depot Level artisan to the Intermediate Level or providing over-the-shoulder training to military personnel.

COMFRC recently reached out to ASI for assistance in identifying components traditionally repaired at the Depot Level, which should be candidates for Intermediate Level repair. COMFRC leadership noted ASI's long history of supporting the FRCs and our extensive maintenance planning experience when discussing Beyond Capability of Maintenance Interdiction (BCM-I) strategy. ASI's expertise in developing and delivering training content was also a key reason for COMFRC's interest in obtaining our services.



ASI will utilize performance metrics, like Ready for Issue Rates, Turnaround Times, and Repair Costs and Capacity Modeling techniques developed for COMFRC to identify candidates for BCM-I. It is estimated that BCM-I will result in significantly reduced costs and improved availability of critical components across the Naval Aviation Enterprise. This effort has the potential to be a long-term project for ASI, involving members across ASPM and RM&S.



INTERNATIONAL SERVICES

By Vijay Chachra

International Services division is chartered as the premier provider of Integrated Product Support services and training to the global aerospace and defense industry. These services are primarily based on US DoD and SAE standards and evolving ASD S series of ILS specifications.

After completing the Collins/USAF MS-177A Global Hawk camera system, we won the Oshkosh JLTV ILS project. This project entailed the development of field and intermediate level maintenance task analysis covering over 3000 operational, replacement, and troubleshooting tasks. This involved updating FMECA/RCM, documentation

procedures, manpower, and resources needed for these tasks. Finally, delivery included the full LPD XML file and the Manpower planning, Tasks Analysis, PMCS and Maintenance Allocation chart summaries to the customer. Our small team has been working hard over the last six months and has completed over 1700 tasks and accompanying summary reports to the customer.

We are committed members and continue to contribute to the revisions and releases of the following standards and specifications:

1. **GEIA-STD-0007 Logistics Product Data and released Revision C of this standard and working on Rev D.**
2. **Balloted TA-HB0007-1A LPD reports handbook**
3. **AS1390 Level of Repair Analysis**
4. **ASD S5000F In-service feedback specification and release revision 3.0**

On the international front, we have been busy promoting our technical training and services with our UK partner, Aspire Consulting LLC. We have recently won business from the Canadian DND and Dutch MOD for S series training and have had a successful UK MOD-sponsored Support-NET 2022 symposium.

We continue to strive to grow this business globally with potential domestic and international leads with acquisition logistics and S Series ILS training needs.



RELIABILITY, MAINTAINABILITY SUPPORTABILITY &

By David Sada

For the past several years, ASI has been successful in helping our customers within the NAVAIR community and beyond solve various problems using Modeling and Simulation (M&S) and data analytics capabilities. Previous projects that were showcased include H-1 Helicopter Spares Optimization, Development of new Integrated Maintenance Concepts (IMC) for the E-2/C-2 aircraft, and optimizing repair and manufacturing processes for Command Fleet Readiness Center (COMFRC). As our capabilities have continued to grow, we have continued to successfully expand our reach to new projects and customers.



One of our current efforts is with the USAF, where we are helping the HH-60W Depot Activation Team increase their organic repair capabilities. ASI Reliability engineers and subject matter experts are using M&S techniques to evaluate and assess various USAF Depots to identify which components should be repaired by the USAF and which should continue to be repaired by the Original Equipment Manufacturer (OEM). This effort includes performing significant data analyses, conducting site visits, creating and validating digital models of the Depots, and completing Business Case analyses (BCAs) for dozens

of components. All required resources needed to repair these components are being evaluated, including personnel, support equipment, tools, spare parts, and facilities. USAF Depots will also be evaluated to determine their resource levels and ability to repair the components. Like many of ASI's other projects, this effort is a collaboration between several divisions, including RM&S and INPD. For more information, contact Gregory.hutson@androsysinc.com or David.sada@androsysinc.com.

Another current project is using Data Analytics to provide Fleet Readiness Managers from various NAVAIR programs and entities with the tools to track component repair at both the Intermediate and Depot levels. Various applications are used to organize and visualize past, current, and future states of the repair process in quick, easy-to-understand user interfaces with drill-down capabilities. Data Analytics are applied to propose goals and give the user a more in-depth look into repair cycle bottlenecks, opportunities for improvement, and how to optimize their processes. This endeavor aids the customer in communicating complex problems into easily identifiable, targeted areas of focus to all stakeholders. With improved visualization and analytical tools, we are able to perform root cause analyses that further push the envelope to potential solutions, sustained improvements, cost reduction, and new inputs and goals for future simulations.

For more information, contact Rachel.boydston@androsysinc.com or Raymond.mcgee@androsysinc.com.

These are just a couple of examples that showcase the type of cutting-edge work ASI is able to apply to the unique challenges facing our customers. We hope to leverage our previous and current work to continue to expand into new areas.



— H A P P Y A N N I V E R S A R Y —

5 year

*Jennifer Beamer
Jerry Cox
Scott Fick
Jim Harper*

*Charles Lipscomb
Jessica Oberg
Manny Ortiz
Mike Stephens*

10 year

*Ken Boddie
Heather Miller
Matt Rosema
Dave Woods*

— P R O M O T I O N S —

*Matt Burham
James Fouse
Bryan Miller
Nick Otey
Jonathan Paz
Nick Sartor
Christy Stanley*

*Logistics Analyst
Logistics Analyst
Accountant
Senior Logistics Analyst
Logistics Analyst
Director of Software Operations
Logistics Analyst*



NEW HIRES

Neil Bennette - Senior Safety and Occupational Health - A&P

Martin Breen - Senior Propulsion Engineer - Engineering

Nathan Chancy - Senior Structures Engineer - Engineering

Zachary Denney - Stress Engineer

Carey Donaldson - Senior Software Developer - IS&S

Anthony Giangaspro - Junior Structures Engineer

Lorens Goksel - Senior Stress Engineer - Engineering

Benjamin Hand - QA Software Tester - IS&S

Steve Kellogg - Logistics Analyst - RM&S

Joshua Laird - V22 Readiness Analyst - A&PM

John Mero - Senior Electrical Engineer - Engineering

Ruban Ochoa - Logistics Analyst - A&PM

Brian Pisano - Senior Stress Engineer - Engineering

Alexandru Popescu - Stress Engineer - Engineering

Martin Puterbaugh - Senior Stress Engineer - Engineering

Richard Raber - Senior Acquisition Logistics Manager - RM&S

Vincent Taitingfong - Senior Logistician - RM&S

John Waldron - Stress Engineer - Engineering

Shoichi Watabe - Senior Stress Engineer - Engineering

Andrew Williamson - Help Desk Technician - IS&S

Rylan Wilshire-Eshelman - Senior Stress Engineer - Engineering

Glenn Wohlfahrt - Senior Structures Engineer



THANK YOU!

Communication of everything at Andromeda, so we are excited to continue to provide you the Galaxy Gazette on a quarterly basis. We look forward to hearing about other exciting news and events that you would like to share with us!