



# THE NAVAL AVIATION ENTERPRISE AIR PLAN



...One Vision, One Team

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*“The Engineering, Maintenance and Supply Chain Management (EM&SCM) Team provides overarching engineering, maintenance and supply processes and policy in order to maintain the health of the fleet and reduce readiness gaps and operating and sustainment costs. This team monitors aircraft material condition, supply posture and depot-level production, and the impact that each has on the health and readiness of Naval Aviation units.” – Naval Aviation Enterprise Strategic Plan, 2016-2021\**

## Engineering, Maintenance and Supply Chain Management (EM&SCM) Team Efforts

The EM&SCM Team provides an integrating function supporting leadership and the Naval Aviation Enterprise (NAE) cross-functional teams. EM&SCM is led by a Flag/General Officer-level Executive Leadership Council that includes Naval Air Systems Command (NAVAIR) Research and Engineering (AIR 4.0), NAVAIR Logistics and Industrial Operations (AIR 6.0), Commander, Fleet Readiness Centers (COMFRC), Commander, Naval Supply Systems Command Weapon Systems Support (NAVSUP WSS) and Commander, Defense Logistics Agency Aviation (DLA-A).

The following are several efforts being developed and implemented under the sponsorship of the EM&SCM Team:

**Vector:** The Vector readiness data analysis tool officially became functional July 14. Vector is the web-based version of the powerful Integrated Logistics Support Management System (ILSMS) readiness data analysis tool that each of the type/model/series (TMS) teams have been using to help identify and manage their readiness and cost degraders affecting their TMS platforms.

Like the name of the tool implies, Vector provides TMS analysts and leaders with the direction and magnitude of various readiness and cost degraders affecting a platform or system. Vector quickly identifies the system and corresponding components that are impacting Ready Basic Aircraft (RBA) and Mission Sets gaps and enables the triage and prioritization of these items, giving NAE leaders the ability to more rapidly recover RBA for F/A-18s and other TMS communities. Vector is particularly useful during the program's Logistics Assessment review that takes place in preparation to their NAE TMS briefing cycle.

**P-8A LOGCELL:** The P-8A Poseidon, a commercial derivative aircraft, has presented the Navy with unique challenges as supply support migrates from Contractor Logistics Support to a traditional support concept. These challenges include provisioning data delivered post-material support date while aircraft are deployed accruing sustainment degradation.

To respond and resolve issues faster, NAVSUP WSS developed the P-8A Logistics Cell (LOGCELL) – a physical location within NAVSUP WSS designed to facilitate a cross-functional team's focus on expeditious removal of barriers, elimination of bureaucratic layers and to facilitate empowered decision making. Through shared responsibility, and direct linkage to PMA-290, the LOGCELL delivers a proactive support concept capable of using data and measurable goals to improve readiness. With its real-time information technology displays of logistics data sets, it brings the best of government and industry teams to improve TMS sustainment. Benefits and learning from this P-8A initiative will be exported to all other TMS teams in fiscal year 2017.

**“Swarm” Model:** In order to attack significant readiness degraders, the Swarm concept was adopted to rapidly integrate government and industry subject matter expertise to respond with focus and urgency to benefit TMS teams. Swarm includes the identification, assessment, containment, sustainment and recovery of readiness on key inhibitors using every available means. Using the Swarm model, two teams recently conducted a deep dive of the top 21 critical F/A-18 readiness drivers and the E-2 Landing Gear/Flight Control Systems, developing detailed action plans to address readiness constraints. As a result, the fleet realized a reduction in backorders for critical components necessary to recover RBA gaps and an associated cost savings of approximately \$900,000.

## Latest NAE Award Winners

Questions? Ask: [nae@navy.mil](mailto:nae@navy.mil)

June 2016: Larry McGuire, Commander, Naval Air Force, U.S. Pacific Fleet

### Main Points

- The EM&SCM Team focuses on identifying and implementing efficiencies in overarching Naval Aviation Engineering and Integrated Logistics Support policies and processes to aid TMS teams in achieving their best possible reliability, minimal cost and optimal cycle time to meet established aircraft readiness entitlements.
- The ILSMS/Vector tool can access 10 years of data and display the last five years of data in a rolling 12-month metric that identifies systems and components performing outside established parameters. It also provides more than 100 useful metrics to assist in trend analysis and help determine systems and components contributing to readiness gaps.

### Facts/Figures/Resources

- The EM&SCM Team is supporting the development of a single consolidated “Top 10 Supply Readiness Degradation” Burndown Chart for each TMS. While EM&SCM providers are meeting 92 percent of the fleet demand signal, the charts display the lagging eight percent of requirements that, once met, can greatly impact RBA.
- EM&SCM Team members developed refined sustainment and supply metrics to provide greater awareness of aircraft status and trends. Approved by the NAE Executive Committee in April 2016, the refined sustainment and supply metrics are now presented during TMS teams' briefs to NAE leadership.

*\*Access to NAE SharePoint is required. Please contact [nae@navy.mil](mailto:nae@navy.mil) for assistance.*