



# AMD Lessons Learned Semi-annual Newsletter



## What is inside this issue

In this issue of the Air and Missile Defense Lessons Learned Newsletter is the section called “For the Command” and we will briefly cover what has been happening in Lessons Learned, the Air Defense Air Management Cell course, Air Missile Defense & Signal Center of Excellence workgroup, Base Realignment and Closure, the Lessons Learned Mission, Terminal High Altitude Area Defense, the 14J Military Occupation Specialty split and more.

## For the Command

Commanders, Sergeants Major, and First Sergeants, feedback from the field indicates a preference for a “push” rather than “pull” method to disseminate lessons learned. The Air Missile Defense (AMD) Lessons Learned & Support Branch has introduced this e-mail medium to highlight current postings on the AMD classified and unclassified websites. We will “push” an update to this distribution list periodically with the intent of alerting Soldiers of items they may want to explore in detail. We solicit your help by further distributing this e-mail to Soldiers in your units. Our intent is to provide a quality service to the AMD Soldiers in the field and any suggestions you might have are welcome. If you know of someone who should be on this distribution list, please indicate this and we will make the addition.

## What has been going on in Lessons Learned

Since the last Newsletter was posted, the Air Missile Defense Lessons Learned has packed up shop and family to relocate from Fort Bliss, Texas to join the Field Artillery at Fort Sill, Oklahoma. This was done to merge the Air Defense Artillery and the Field Artillery into the new “**Fires Center of Excellence**” (FCoE). Lessons Learned accomplished this while under strength, with only three personnel.

Once established at Fort Sill, Oklahoma, Lessons Learned was right back in the mix. Just to mention a few noteworthy events; Lessons Learned went TDY three times to conduct data collections and to speak with soldiers returning from theater. Furthermore, Lessons Learned was the FCoE lead on working General Dempsey’s Counter Improvised Explosive Devices (CIED) directive which places mandated CIED training in Basic Combat Training (BCT), Non-commissioned Officer, Officer, and Warrant Officer Professional Development courses. *(continued on page 2)*

## AMD Lessons Learned Mission

To collect, analyze, disseminate, and provide for the implementation of Air and Missile Defense (AMD) combat relevant lessons which Impact on Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel, and Facilities (DOTMLPF).

Recommend and effect changes to AMD operations and reverse negative trends.

## FY 10, Vol.1

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*(continued from page 1)* **What has been going on in Lessons Learned**

Lessons Learned was also the FCoEs Lead on Improvised Explosive Devices - Defeat (IED-D), establishing an IED/CIED web page for FCoE and collected and compiled the data for the Organization Based Assessment. Additionally, three personnel were sent to the Fires Knowledge Networks (FKN) administrator course, three personnel were sent to the Center for Army Lessons Learned course, one was sent to the (Terminal High Altitude Area Defense (THAAD) Orientation course, one was sent to the Army Training Help Desk (ATHD) Class, and one was sent to the Army Basic Instructor Course (ABIC). Lessons Learned has also been tracking the 14J split, the Air and Missile Defense (AMD) and Signal Center of Excellence (Signal CoE) workgroup, Counter Rocket Artillery Mortars (CRAM), Joint Land Attack Cruise Missile Elevated Netted Sensor (JLENS), Medium Extended Air Defense System (MEADS), Phased Array Tracking Radar Intercept on Target (PATRIOT), THAAD, and the Surface Launched Advanced Medium Air to Air Missile (SLAMRAAM). Lessons Learned briefs the classes that go through the Noncommissioned Officer, Officer, and Warrant Officer Professional Development courses, to include the Air Defense Airspace Management (ADAM) Cell course students. Lessons Learned was fortunate to send a Staff Sergeant to the Senior Leaders Course (SLC) and is proud to state that same soldier since has been promoted to Sergeant First Class.

Lessons learned has more than doubled in size since the relocation from Fort Bliss, Texas, to Fort Sill, Oklahoma, and now

**How to submit a Request for Information (RFI):** Go to the Air and Missile Defense (AMD) Lessons Learned web site at <https://www.us.army.mil/suite/page/334804> and use the links under the Fires Center of Excellence logo.

**Base Realignment and Closure (BRAC) Move:** If you were not aware, the Air Defense Artillery (ADA) move from Fort Bliss, Texas to Fort Sill, Oklahoma has happened. The home of the ADA is now officially Fort Sill, Oklahoma. The Fires Center of Excellence (FCoE) now encompasses and supports both the ADA and Field Artillery (FA) branches.

Having to relocate not only offices, but also families was by no means an easy transition. The amount of time and energy it took to relocate, and get Lessons Learned back on its feet and operational has made the last few months trying to say the least. I am sure there are still some who as of yet may still not be fully settled in.

There are those that decided to be geographical bachelors due to the hardship of relocating. Those reasons include but are not limited to children, medical (availability and / or conditions), schools, spouse's employment (at Fort Bliss, Texas or the lack of employment around Fort Sill, Oklahoma), etc. All of which made the transition to Fort Sill, Oklahoma an even harder experience for those that are geographical bachelors.

Least I forget, let me mention that the experience of consolidating and merging two completely different run organizations into a new and efficient single organization (FCoE) was humbling for everyone involved. All of the above was ongoing and being worked simultaneously, while being short staffed and attempting to stay in touch with the Air Defense community – not an easy task to say the least.

We are now past that era and are driving forward. Lessons Learned is looking forward in supporting the Air Defense war-fighters and expect to be even more successful now that we are part of the FCoE.

**Terminal High Altitude Area Defense (THAAD):** The Imperial Brigade (11<sup>th</sup> Air Defense Artillery Brigade) has a lot to be proud of having stood up and activated their second THAAD Battery on 16 October, 2009. The first THAAD Battery was designated as the 4<sup>th</sup> Air Defense Artillery Regiment (THAAD). This newest and latest THAAD Battery has been designated as A Battery, 2<sup>nd</sup> Air Defense Artillery Regiment (THAAD).

The 11<sup>th</sup> ADA Brigade supports the 32<sup>nd</sup> Army Air and Missile Command (AAMDC) and with the addition of THAAD brings the Air Missile Defense (AMD) fully into the 21<sup>st</sup> Century with cutting edge technology to protect critical assets

# Air Defense Artillery

## **14J (Air Defense Command, Control, Communications, Computers, and Intelligence (C4I) Tactical Operations Center Enhanced Operator Maintainer) Military Occupation Specialties (MOS) Split:**

It has been apparent for some time that the 14J MOS has been expanding in regard to equipment, required knowledge and duty positions. The 14J MOS had reached a point where it was not practical to expect the 14J soldier to be proficient in their duties or on their assigned equipment. Thus it was approved for the 14J MOS to be split into two new MOSs.

The first of the two new MOSs is the 14G (Air Defense Battle Management System Operator) which will be available to both the Active Component (AC) and Reserve Component (RC). The course will be 16 weeks and 3 days in length. The 14G will serve at the U.S Army Air and Missile Defense Command (AAMDC), ADA Brigade (BDE), ADAM Cell and with the Integrated Fire Protection Capability (IFPC)/ Counter Rocket, Artillery, Mortar (C-RAM), Phased Array Tracking Radar Intercept On Target (PATRIOT), Composite (only with Sentinel radar), Surface Launched Advanced Medium Range Air to Air Missile (SLAMRAAM), and with the Joint Land Attack Cruise Missile Defense Elevated Sensor (JLENS).

The second MOS that 14J is splitting into is the new 14H (Air Defense Enhanced Early Warning Operator) MOS. This MOS is for the AC only and the course length will be 11 weeks and 3 days. The newly formed MOS of 14H will serve with PATRIOT Pure and Composite (minus the Sentinel radar), Theater High Altitude Area Defense (THAAD), Medium Extended Air Defense System (MEADS). Additionally, the course will provide training for those assigned to Space and Missile Defense Command (SMDC), Ground-based Midcourse Defense (GMD), Joint Tactical Ground Station (JTAGS).

The training for 14G/H is scheduled to begin 25 July, 2011 and we wish the instructors and 6th ADA BDE well in implementing these two new MOSs.

## **International Air Defense News Articles:**

RBS 70 Man Portable ADM System

<http://www.saabgroup.com/en/Air/Weapon-Systems/Ground-Based-Air-Defence-Missile-Systems/O3-Product-landing-template11/Features/>

12 Jan 10 Kuwait Air Defense Forces test fires Patriot Air and Missile Defense System

<http://www.militaryaerospace.com/index/display/article-display/372349/articles/military-aerospace-electronics/online-news-2/2010/01/kuwait-air-defense-forces-test-fires-patriot-air-and-missile-defense-system-by-raytheon.html>

21 Jan 10 Taiwan Air Defense Assessment

[http://www.globalsecurity.org/military/library/report/2010/taiwan-air-defense\\_dia\\_100121.htm](http://www.globalsecurity.org/military/library/report/2010/taiwan-air-defense_dia_100121.htm)

8 Feb 10 Indian Army looks for shoulder fired air defense missiles

<http://www.stratpost.com/army-looks-for-shoulder-fired-air-defense-missiles>

9 Feb 10 Iran Develops Air Defense System comparable to Russia's S-300

<http://www.defencetalk.com/iran-air-defense-system-russian-s-300-24097/>

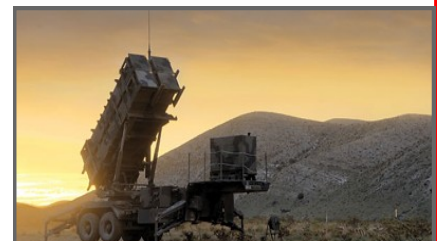
12 Apr 10 Defence Minister Announces mass-production of Medium Range missiles

<http://www.defpro.com/daily/details/547/>

26 May 10 Poland Welcomes Patriot Battery

<http://www.defpro.com/daily/details/579/>

For more information on International and U.S Air Defense go to ADA Online. <http://www.airdefenseartillery.com/online/>





**Publications:** Our editors are staying busy with the elevated demand for new and updated publications. A few that have been published recently are:

Pub- lished 11/25/09  
<https://www.us.army.mil/suite/doc/20394278>  
FM 3-01.7, ADA Brigade Operations, Published 2/11/10  
<https://www.us.army.mil/suite/doc/21775524>  
TC 44-117-11, Stinger Team Crew Training, Published 8/5/09

Publications that are currently being edited are:

ATTP 3-01.87, Patriot TTPs  
FM 3-01.85, Patriot Battalion and Battery Operations  
TC 44-635-12, Patriot Information Coordination Central with Electric Power Unit, Communications Relay Group, and Tactical Command System Crew Training  
TC 44-635-13, Patriot Engagement Control Station, Radar Set, and Battery Command Post Crew Training  
TC 44-635-14, Patriot PAC-2/PAC-3 Launch Station and Missile Reload Crew Training  
FM 3-01.91, THAAD Operations  
FM 3-01.101, ADA SLAMRAAM Gunnery Program  
FM 3-01.64, Avenger Battalion and Battery Operations  
TC 44-635-15, Patriot PAC-2/PAC-3 Launch Station Fork lift Missile Reload Crew Training  
TC 44-693-10, THAAD Radar Crew Training  
TC 44-693-11, THAAD Missile Reload Crew Training  
TC 44-693-12, THAAD Fire Control and Communications Crew Training  
ADA Glossary Manual

*Many of the fore mentioned publications that are being edited are expected to be published in the next few months.*

\* Recently FM 3-01.50 has been superseded by ATTP 3-01.50.

**Fire Center of Excellence (FCoE) (AMD) and the Signal Center of Excellence (Signal CoE) Workgroup:**

Having arrived at the era of evolving and heavier communication requirements the Air Defense Artillery (ADA) and Signal Corps have joined into a combined workgroup to establish AMD future communication requirements. This will allow the Air Defense (AD) branch to tailor its communication requirements to the needs of the Army, while keeping up with the growing communication requirements, of a Joint digital environment.

Additionally, the effect of the AMD evolving with new communication requirements and updating its communications has an effect not only on the equipment that is being looked at, but also personnel.

It has been found that the skill set of the 25F (Network Switching Systems Operator - Maintainer) Military Operation Specialty (MOS) is considered antiquated by the Signal Corps and will be phased out. To determine what skill set will replace the 25F near term is also an issue that is being worked by the FCoE (AMD) & Signal CoE Workgroup.

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Web Pages

**AMD Lessons Learned (NIPR)**

<https://www.us.army.mil/suite/page/334804>

**AMD Lessons Learned (SIPR)**

<http://www.us.army.smil.mil/suite/page/10761>

**Center for Army Lessons Learned**

<https://call2.army.mil/default.aspx>

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