



CENTER FOR ARMY LESSONS LEARNED
FORT LEAVENWORTH, KS



CALL FIRES LESSONS LEARNED



Newsletter May 2013 –#25

Previous versions of the CALL Fires May 2013 Newsletter are Rescinded

FCoE 2013 Fires 2020 Seminar

The following briefings (with notes pages) were presented during the FCoE 2013 Fires 2020 Seminar:

U.S. Army Fires 2020

Air Defense Artillery Initiatives/Gap Mitigation/Capability Development

Field Artillery Initiatives/Gap Mitigation/Capability Development

Training Strategy

Future Concepts

CALL Handbook - Fires Rehearsals



This handbook is provided to enhance the abilities of Fires Soldiers and units to plan, prepare for, conduct, and evaluate rehearsals. Rehearsals are an integral part of the planning process. An effective rehearsal both practices and tests the plan. Time availability is the critical element in conducting rehearsals. Warning orders provide subordinates enough lead time and details to synchronize their rehearsal schedules with battalion and higher rehearsals. A direct support field artillery (FA) battalion integrates its rehearsals into the maneuver force's rehearsal plan. An FA battalion with a reinforcing mission must coordinate rehearsals with the reinforced unit, while a general support battalion coordinates with its higher FA headquarters.

LMAMS (Lethal Miniature Aerial Munition System) - Switchblade

This video demonstrates how the LMAMS can be employed. LMAMS, currently deployed to OEF, is intended to support troops that are out of reach of field artillery and mortar assets. It is a precision guided munition capable of engaging soft-skin point targets and minimizing collateral damage. It is designed for deliberate, hasty, and force protection engagements. Included in this link is a 17 Sep 2012 defensemedianetwork.com LMAMS article by Scott Gourley "The U.S. Army explores miniature aerial precision munitions at the small unit level" and the Marine Corps Warfighting Lab Leader's Guide to light aerial munitions.



40th Infantry Division Decisive Action Warfighting Exercise 13-4 Joint Air Ground Integration Cell (JAGIC)

This joint Army Fires Center of Excellence and Air Combat Command briefing provides an update of JAGIC, the move of the Air Support Operations Centers (ASOC) from Corps to Division, airspace changes and challenges, why JAGIC?, JAGIC endstate, JAGIC in Division warfighting exercise 12-4, and preparing for Division warfighting exercise 13-4.

Joint Air Ground Integration

The challenge: Air-Ground Integration (fires, rotary wing, fixed wing, UAS, C-UAS); a diverse and congested airspace environment requires continuous coordination and conflict resolution for mission accomplishment. These ADAM/BAE briefing slides (with notes pages) address how fully trained Fire Support Element (FSE), ADAM/BAE, and TACP (Joint Air Ground Integration at BDE) Cells allow Maneuver Commanders to exercise effective control over their assigned airspace.

ATP 3-01.50 - Air Defense and Airspace Management (ADAM) Cell Operation, April 2013

This new Army tactics and procedures publication provides doctrine on the structure, training, tactical employment, and operations of the ADAM cell. There are ADAM cells in the Corps, Divisions, Brigade combat teams, and the five support Brigades (Aviation, Fires, Battlefield Surveillance, Combat Support, Maneuver Enhanced, and Sustainment). The Heavy Brigade Combat Team and Infantry Brigade Combat Team ADAM cells are augmented with the Brigade Aviation Element (BAE) and are referred to as the ADAM/BAE. The Corps and Division level ADAM cells are referred to as Air and Missile Defense (AMD) cells.

45th Fires Brigade (FiB) Capabilities Brief

This briefing provides an overview of the Fires Brigade's mission, structure, capabilities, and limitations. The mission of the FiB is to plan, prepare, execute, and assess combined arms operations to provide close support and precision strike for Corps, Divisions, and Brigade Combat Teams and Support Brigades employing joint and organic fires and capabilities to achieve distribution effects in support of commanders' operational and tactical objectives.

NTC Fires Observations, Recommendations for Commanders Executive Brief, 28 Nov 2012

This briefing addresses planning an NTC rotation, setting conditions at home station, problem framing, dominating transitions, conducting rehearsals, key observations by warfighting function, and points of contact. It specifically highlights Fires rehearsals, Fires in other rehearsals, deliberate airspace planning and management, targeting, and the employment of Avengers and Sentinels.

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BCT Cannon, Munitions, and Survey Smartbooks, 22 Feb 2013

These TRADOC Capability Manager – Brigade Combat Team FIRES produced smartbooks contain detailed information on the BCT cannon systems (M109A6 Paladin, M109 Family of Vehicles (FOV), LW155 (M777A2), and M119A2), available munitions (Excalibur (XM982/M982/M982A1), Precision Guidance Kit (PGK) (XM1156), 105mm Munitions Initiatives, 155mm Munitions Initiatives, Modular Artillery Charge System (MACS) (M231 / M232 / M232A1), Multi Option Fuze Artillery (MOFA) (M782), Enhanced Portable Inductive Artillery Fuze Setter (EPIAFS) (M1155/M1155A1), and Min-Max Ranges, and survey (Improved Position and Azimuth Determining System-GPS (IPADS-G).

NTC Recommendations for BCT Fires Warfighting Function, 19 March 2013

Collected observations and emerging trends within the Decisive Action training environment include Brigade Fires WfF trends, Fires observations for Commanders, Fires observations for Fire Support Officers, and Fires best practices. Specifically addressed are Fires rehearsals, management of Fire Support Coordination Measures, the Counterfire Operations Cell, targeting, employment of ADA assets, massing of Fires, radar management, sensor to shooter synchronization, airspace management, air defense, reporting, and ADAM/BAE running estimates.

U.S. Army Air Defense Artillery ADAM Cell VTC, 11 April 2013

This VTC addressed NTC and JRTC trends and observations, JAGIC, the Sentinel force design update, RAM Warn, and the ADAM/BAE course. BLUF per NTC: “We are still learning and developing lost skills of the last 8 years”!!

Regimental Combat Team 7 100-Day After Action Report, 5 October 2012 to 03 February 2013

This report provides solutions to lessons learned during RCT-7’s first 100 days in Afghanistan in support of Operation Enduring Freedom (OEF). It covers warfighting functions and special staff areas.

Electronic Warfare (EW)-focused MDMP

From the U.S. Army EW Integrated Training Office, Fort Sill is this detailed power-point presentation of EW MDMP training for the Electronic Warfare Technician.

1st Battalion, 10th Field Artillery Regiment, Battalion Tactical SOP (TACSOP) May 2012

This document establishes standard operating procedures in the 1st BN 10th FA. These TACSOPs are designed to be hand held, quick reference tools for Soldiers in a field environment. **MODULE I (BATTALION)** is designed to be the foundation document of the four module TACSOP series. It incorporates Battalion level operational tasks and checklists, CSS portions and Battalion reports. The other (planned) modules Firing Battery, Fire Support, and Peace Support Operations Training Handbook.

From One Leader to Another, CSM Joe B. Parson (General Editor), Combat Studies Institute, 2013

This product is a collection of observations, insights, and advice from over 50 serving and retired Senior Non-Commissioned Officers. These experienced Army leaders have provided for the reader outstanding mentorship on leadership skills, tasks, and responsibilities relevant to our Army today. There is much wisdom and advice “from one leader to another” in these pages.

Top Gun - Standardized Howitzer Section Evaluation, 1st BN, 10th FA, 3rd ABCT, 3rd ID, 13 Aug 2012

The Standardized Howitzer Section Evaluation is a program used to objectively assess the proficiency level of a howitzer section for both safety certification and technical training requirements. The results of the evaluation will provide trainers with an accurate assessment to be used in the development of future training plans. The tasks and standards required of this evaluation are exactly what the howitzer sections are expected to do in the field.

FM 3-52 Airspace Control, a Mission Command Center of Excellence Briefing, 15 March 2013

This briefing provides an overview of the main ideas in FM 3-52, *Airspace Control* (Feb 2013) and highlights significant changes from FM 3-52, *Army Airspace Command and Control* (Aug 2002). The primary goal of exercising airspace control for Army forces is the integration of all airspace users in accordance with the commander’s intent, priorities, and risk guidance in order to maximize all airspace users’ capabilities, while minimizing adverse impacts.

CTF Tomahawks, 1st BN 23rd IN, End of Tour AAR Nov 2012, Panjwai District, Kandahar Province, Afghanistan

CTF 1-23 supports ANSF & GIRoA within AO Tomahawks to conduct ANSF enabled offensive security operations against INS networks to disrupt INS cells, support zones and command and control nodes, retain and expand security in key terrain, and increase the capacity and legitimacy of GIRoA in the HoP. To deny the Taliban safe haven within AO Tomahawk by leading ANSF forces to retain and expand security in key terrain further connecting villages to a legitimized GIRoA, and demonstrating increased capacity of ANSF and GIRoA.

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1st Battalion, 76th Field Artillery Tactical Standing Operating Procedures (TACSOP), 2 Aug 2012

To outline policies and procedures governing the planning and execution of operations and to standardize procedures involved within the 1-76th FA BN.

4th IBCT 4th ID Rear Detachment AAR and Supporting Materials, Feb 2013

Mission: 4th Brigade conducts rear detachment operations in support of Task Force Mountain Warrior deployed to Operation Enduring Freedom XII from (TBD) in order to support forward operations, meet the needs of non-deployable and returning Soldiers, and to assist in the sustainment of a healthy Army Families program. This commander's initial mission analysis briefing, GO/CARE Team SOP, Family Readiness Support Assistants SOP, casualty operations mission readiness exercise briefing, and the AAR are provided to assist other organizations with their rear detachment operations.

Expeditionary Warrior 2013, USMC Wargame, Future Maritime Operations for the 21st Century Operating Environment, QuickLook Report, 20 March 2013

The Fires portion of this report (highlighted in yellow) addresses the ability to rapidly provide accurate lethal and non-lethal fires in sufficient quantity to distributed forces can mitigate risk for smaller tactical units, featuring manned and unmanned systems with support from loitering munitions and over-the-horizon platforms. Technological and communications advances would improve and simplify the request, approval and deconfliction processes. However, fires coordination and deconfliction – particularly in conjunction with airspace command-and-control (C2) of manned and unmanned systems – require further analysis. The way ahead for Fires addresses lethal and non-lethal fire support procedures, target identification, rules of engagement, means for assessing results, and airspace deconfliction in complex operating environments featuring enemies, friendlies, and neutrals in a small area.

1st Armored Division Target Mensuration Only (TMO) SOP, 11 February 2013

This SOP implements TMO guidance and defines procedures for individual certification, training, and re-certification at 1st AD. The 1st AD Commanding General has delegated the authority to the DIV Chief of Fires for the oversight of the 1st AD Precision Fires Program. The DIV Chief of Fires will designate a Precision Fires Program Manager (PFPM). The PFPM will be certified as an Instructor by FCoE PFPM IOT provide TMO training, certification, and re-certification to all subordinate Units analysts.

Patriot Air and Missile Defense System Communications Planners Handbook, November 2012

This handbook provides the information necessary to plan and set up communications within the Patriot BN and other echelons such as a higher echelon unit, a tactical data link (TDL)-B, and with Mobile Subscriber Equipment (MSE). This handbook describes the hardware, software, and communications configuration for the Communications Enhancement 2 (CE2) program.

Afghan National Security Forces (ANSF) Advisor Guide, April 2013

This Joint Center for International Security Force Assistance (JCISFA) Afghan National Security Forces (ANSF) Advisor Guide provides essential information on Afghan National Security Forces (ANSF) force structure, organizational culture, operations, and challenges. This publication is a must read for advisors, trainers, and leaders preparing to conduct SFA and COIN operations in Afghanistan, from the tactical unit to ministerial levels.

Security Force Assistance/Security Cooperation (SFA/SC)

Security force assistance is the unified action to generate, employ, and sustain local, host nation, or regional security forces in support of a legitimate authority. These briefings address SFA/SC training and preparation for deployment, roles and responsibilities, and best practices for advising to include for SFA BCTs and SFAATs.

From CALL's Archives - Fighting Deep with Joint Fires, MAJ Roy Sevalia, Kuwait, Third U.S. Army, 22 Apr 2003

"It is imperative that we strike fast, deep and often to dictate our will upon the enemy. We must own the enemy decision cycle by attacking him through the depth of the battlefield with all joint and coalition fires available. Deep fires is the collective and coordinated use of indirect fire, armed aircraft, and other lethal and non-lethal means in support of the commander's battle plan that give us the competitive edge to dominate the air, land and sea."

FCoE Fires Brigade War Fighting Forum Extract, 4 April 2013

This extract addresses the integration of females into MOS 13M, P, R; and updates from the 17th FiB, 18th FiB, Joint Interoperability Live Fire Exercise with 10th Marines, Integrating GS Fires in Decisive Action NTC rotations, 210th FiB, and 138th FiB.



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CALL Fires Team says farewell to MAJ Theodore Colinear, Field Artillery Analyst



As a Kansas Army National Guard Field Artillery officer on active duty, it has been a great experience and honor for me as a combat veteran to be able to use my knowledge and experiences over the last four years here at Fort Leavenworth in operational support of those on the frontlines of OIF and OEF. Very few National Guardsmen have this opportunity and I feel very blessed to have had the time to do so and pass along the acquired knowledge, skills and experiences. Many thanks to all of you at CALL that I have spent the last two years working with and getting to know, and to those in the Fires community who assisted my efforts to serve and support Soldiers.

CALL Fires Team says farewell to Mr. Sam Young, Air and Missile Defense Cell Analyst



After 41+ years (30 in uniform), it is time to PCS from a career I have thoroughly enjoyed and will deeply miss. I always felt called to be a Soldier serving Soldiers which I have been blessed to do, beginning as a Field Artillery officer, budgeteer and financial manager, Finance officer, and wrapping it up as a Fires senior military analyst. It has been a fun ride, I have learned a lot, and have teamed with some extremely awesome Soldiers and civilians. It is now time to give my energies to my spouse of 45+ years, my children and grandchildren, play Taps at military funerals, and my other



calling as a National Park Service volunteer at Fort Larned (KS) National Historic Site. Come visit me there; we can probably find a rocking chair for you!

[Fires Net Newsletter, April 2013](#) & [Fires Net Newsletter, May 2013](#)

[Field Artillery Lessons Learned Primer, April 2013](#)

[FCoE Fires Forward Newsletter, April 2013](#)

[“Redleg Update,” The U.S. Army Field Artillery Commandant’s Newsletter 05-13, May 2013](#)

[The United States Army Fires Bulletin, March-April 2013](#)

[ADA Quarterly Lessons Learned Newsletter 03-13](#)

[ADA Online](#)

[ADA Lessons Learned & Support Branch](#)

ADA and FA DCO Forum Dates

- TBD - **FIB WfF** – 1600-1730 - DCO connect <https://connect.dco.dod.mil/fibwff>
- TBD - **IBCT FA Breakout** - 1000-1130 – DCO connect <https://connect.dco.dod.mil/ibctfabnwff>
- TBD - **ABCT FA Breakout** – 1000-1130 – DCO connect <https://connect.dco.dod.mil/hbctfabnwff>
- TBD - **DIV/CORPS Fires** - 09:00 - 10:30- DCO connect <https://connect.dco.dod.mil/divcorpsfireswff>
- TBD - **CTC Fires** - 11:00 - 12:30 – DCO connect <https://connect.dco.dod.mil/ctcfires>

CALL Fires Team

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