



CENTER FOR ARMY LESSONS LEARNED
FORT LEAVENWORTH, KS



CALL FIRES LESSONS LEARNED



Newsletter October 2012

Have you ever broken the tire stem off a M119?

You have a sinking feeling as you watch your fully mission capable howitzer deflate into a deadlined pacing item. There is a fix thanks to the Field Assistance in Science & Technology (FAST) program. A battalion in Afghanistan brought this problem to its FAST team in theater who started developing a tire stem guard to prevent the breaks from occurring. The process was remarkably quick, taking only three weeks from project acceptance to the beginning of fabrication. Read all about it at <https://www.milsuite.mil/book/thread/21798>.



CJTF-1 Fires Support Assessment Team Best Practices; 25 Jul 2012

Composed of SMEs from 75th FiB, FCoE, MCoE, CJTF-1JFC, and 17th FiB, the assessment provides best practices for accurate fires. Areas addressed include targeting, fire support planning, PSS-SOF, airspace management, C-RAM integration, radar common survey, firing point survey standards, mortar registration, secondary mortar positions, M777 training, ammunition, MET, 2408-4s, howitzer and mortar FDC computation procedures, hybrid howitzer/mortar firing points, force protection, the enhanced mortar targeting system, internal assessment teams, howitzer ammunition collaboration, manning, and standardization of ANA mortar training.

Joint Air Ground Integration Cell (JAGIC) Update, DIV/CORPS Fires WfF briefing

JAGIC is a modular and scalable cell designed to integrate and coordinate fires and air operations over and within the corps, division, and brigade commanders' AO. Lessons learned from combat operations repeatedly highlight significant difficulties integrating airspace control and fires deconfliction over and within an AO. JAGIC co-locates decision making authorities from the land and air components within the COIC (Fires, Intel, ASOC, TACP, AC2, Air Defense, Maneuver, Liaison and other elements as required). JAGIC's bottom line: Improve coordination to make operations safer to us, more deadly to enemy.

2-44 ADA Stinger Live Fire Exercise

2-44 ADA, stationed at Fort Campbell, is one of two Avenger BNs in the active Army. From 6-15 Jun 12, it relocated to Camp LeJeune, NC, conducted a Stinger live fire exercise, and redeployed to Fort Campbell. At the request of CALL Fires Team AMD personnel, 2-44 ADA provided CALL with its OPOD, Camp Lejeune's Range Operations Guidance, and its AARS (11 May 12 - Table IX, Table V, TOCEX and 16 Jul 12 - Table X). In addition to lessons 2-44 Soldiers learned to better prepare it for Decisive Action operations, the Table X AAR includes contact information for those outside the 2-44th who enabled its success.



Timely Effects: Organic Surface Fires and Airspace Doctrine in the 21st Century Joint Fight

This thesis, written by MAJ Jonathan L. Harvey for his Master of Military Art and Science Degree, addresses the primary research question this thesis seeks to answer: "Does doctrine provide adequate guidance for maneuver brigade commanders to enter into the airspace discussion with the Joint Force Commander?" This study evaluates current joint and service airspace doctrine to assess information and procedural gaps that might limit the brigade commander's ability to effectively employ organic surface fires. Two findings are highlighted: at the brigade commander level there is a limited understanding of the airspace requirements needed to ensure effective employment of organic fire support assets; and joint and service airspace doctrine requires refinement.

Defense of the Cannons – U.S. Army Training Film, 1972

Although this training film is forty years old, it is a remarkably complete treatment of battery defense and complements Chapter 3 of FM 6-50 (TTP for the Field Artillery Cannon Battery, 23 Dec 1996). The video addresses use of terrain for defense, defense in depth, security, dispersion, defense in all directions, priorities, mutual support, defense against enemy air attack, control, flexibility, the defense diagram, range cards, defense against mounted and dismounted attack, defense against indirect fires, defense against NBC attack, equipment and material destruction, and reporting.

Measuring the Effectiveness of the CONUS Air and Missile Defense (AMD) C2 System

This thesis by MAJ Neal J. Lape for his Master of Military Art and Science Degree, addresses the AMD threat posed by hostile states and terrorist organizations to the U.S. which has established organizations and developed capable AMD weapon systems to defeat these types of threats. However, an effective C2 system is essential to integrate these weapon systems into an efficient fighting force. This thesis measured the effectiveness of the CONUS AMD C2 system by analyzing five objective variables: people/authorities, facilities, communications equipment, unity of command/effort, and levels of control. This analysis successfully produced a numerical effectiveness result, but more importantly it identified five deficiencies in which the CONUS AMD C2 system effectiveness can be improved. The research concluded by shaping three overall recommendations to improve system effectiveness: delegate the doctrinal responsibilities to the RADC/SADC, lower the engagement authority, and establish a redundant common operating picture.

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Regimental Combat Team 5, 1st Marine Division (Forward) OEF AAR, 30 Jul 2012

From Feb 2011-Feb 2012, RCT 5 focused on defeating the Taliban insurgency, developing governance and rule of law, and transferring lead security to the ANSF. This report, with the fires material highlighted in red by CALL, addresses lethal and non-lethal targeting, observer training, pre-deployment training, PSS-SOF certification, hotwalls and goalposts, ammunition accountability, directional antenna, and protective antenna improvements to prevent electrocution.



Stryker Symposium XVII, 29 Aug 2012

This symposium addressed commander RFIs with how to plug into RC South's FA BN as well as how to get from other FA BNs their missions, task organization, special equipment and training requirements, and radar employment. Presentations were also given by 2-17 FA, 1-37 FA, 2-3 FA, and the FA Squadron 2CR, and covered such topics as pre-deployment training recommendations, mission command, sustainment, fires employment, dual missions, Dragon Artillery Readiness Test, and Decisive Action training environment.

CTC Fires Forum, 28 Aug 2012

The highlight of this forum was CTC trends. These included NTC Decisive Action rotations; JRTC FA operations, BCT BN fire support, Oct 12 Decisive Action rotation, and its D-30 initiative; and MCTP OPS Group Deltafires WfF observations. Specific trends were rehearsals, fire support shortcomings, reactive ammo management, struggles managing and accounting for the 5 Requirements for Accurate Predicted Fire, complex airspace management, counterfire battle drills, and average TLE of 250 meters.

JRTC Direct & Indirect Fires Planning Guide

This pocket guide from JRTC provides direct and indirect fires planning guidance as well as the revised range safety policy for developing a training plan that includes the safe firing of ammunition, demolitions, lasers, guided missiles, and rockets for training.

Joint and Combined Integration (JACI), 1st ID Fires Conference, 5-6 Sep 2012

COL JT Smith, FCoE Joint and Combined Integration Director, stated that the environment in which U.S. forces will likely operate during the next conflict could be radically different than that of the past eleven years. Airspace will be increasingly more dense, CIVCAS prevention means greater use of precision guided technology, and technology will be exploited against the U.S. and its partners. Joint and combined integration of U.S. fires and airspace management are becoming increasingly more important. JACI responsibility is to represent Army fires in the joint community and to provide joint/combined lethal and non-lethal fires training.

Fires Net Newsletter, September 2012

Field Artillery Lessons Learned Primer, September 2012

FCoE Fires Forward Newsletter, September 2012

"Redleg Update," The U.S. Army Field Artillery Commandant's Newsletter 09-12, Sep 2012

The United States Army Fires Bulletin, September-October 2012

ADA Online

ADA Quarterly Lessons Learned Newsletter 04-12

ADA Lessons Learned & Support Branch

ADA and FA DCO Forum dates

- ABCT FA Breakout – 2Nov12 1000-1130 – DCO connect <https://connect.dco.dod.mil/hbctfabnwff>
- IBCT FA Breakout – 6Nov12 1400-1530 – DCO connect <https://connect.dco.dod.mil/ibctfabnwff>
- FiB – 15Nov12 16:00-1730 – DCO connect <https://connect.dco.dod.mil/fibwff>
- DIV/CORPS Fires - 16NOV12 09:00 - 10:30- DCO connect <https://connect.dco.dod.mil/divcorpsfireswff>
- CTC Fires Forum – 7Dec12(T) 1300-1430 - DCO connect <https://connect.dco.dod.mil/ctcfires>
- SBCT FA Breakout session - TBD

CALL Fires Team

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