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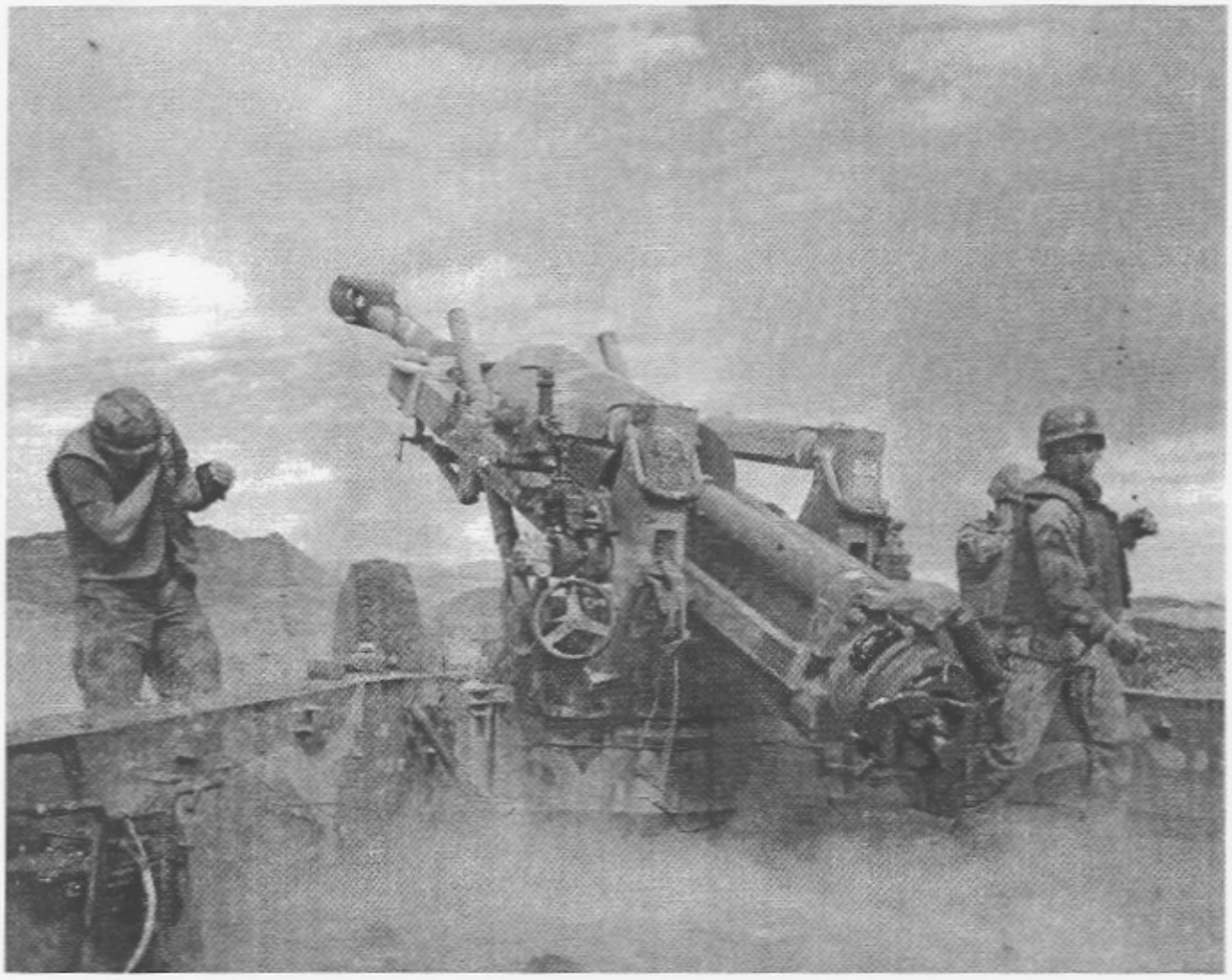

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Important Dates

AFATDS Class Dates

Class #	Report Date	Grad Date
009	20000809	20000907
501	20000910	20001006

MASC Class Dates

Class #	Report Date	Grad Date
3-00	20000912	20001011

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The cover photo from the March 2000 issue of the EGB depicts Bravo 1/10, assigned to 3/12 and attached to 1st Marine Division for Desert Storm. The photo was taken in the vicinity of Kuwait. The photograph was taken by GySgt M.A. Colon.

The photo for this months issue also comes from GySgt Colon. It depicts Charlie 1/10 during a Combined Arms Exercise at 29 Palms, California in 1986.

Operational Forces

The 14th Marines Division Liaison Team

By LtCol Steven D. Hogg, Ispector-Instructor, 4th Battalion, 14th Marines

Introduction. From 23-26 Mar 00, during the 1st Marine Division's (1stMarDiv's) Exercise Desert Scimitar, members of the 4/14 Liaison Section analyzed the requirement for providing liaison teams to MEF subordinate divisions when 14th Marines (14thMar) performs its wartime mission of force artillery. They validated the requirement, assessed the resources needed to man and equip a liaison team to an American division, and began thinking through the challenges associated with supporting an allied or coalition division. The primary mission for the division liaison team will be to broker position areas for 14thMar battalions operating in crowded zones of action, especially if the 14thMar tube artillery units are to be positioned forward in a division's zone to support the MEF deep fight. When fighting against a determined and well-trained enemy with substantial counterfire and infiltration capabilities, friction in a crowded battlespace will require a presence in the COC to advocate positioning priority for 14thMar firing units, regardless of published positioning priorities.

Manning and Responsibilities. Current 14th Marines plans call for the provision of five division teams. In manning these teams, the dilemma will be to enable the team to perform twenty-four hour operations, but to keep needed manpower and equipment to realistic levels. The 4/14 liaison team proposed that six-man teams would be optimal: all personnel and equipment could fit into two vehicles, space requirements in a busy COC would be kept to a minimum, and the team would retain 24-hour capabilities. During sustained operations ashore, the team should consist of one 0802 lieutenant colonel as the OIC, one 0802 major and one captain as watch officers, a GySgt O861 liaison chief, a 2531 sergeant as the driver/ radio chief, and a LCpl radio operator/clerk. The OIC would be available to speak with authority to the commanding general, chief of staff, G-3, and other senior officers regarding positioning and employment of 14thMar units as conflicts arise. He will participate in operational planning teams (OPTs), and attend course of action briefs, decision briefs, and targeting boards to address 14thMar unit statuses (e.g., if one or more 14thMar battalion is reinforcing or will reinforce the organic division artillery). He also will move with the forward command post.

The other officers and the GySgt would be watchstanders in the COC. The Sgt and LCpl 2531s would assist the GySgt setting up and tearing down the cell, provide communications expertise, man the radios and phones if necessary, and drive the team's MRC vehicles. If manpower, equipment, or lift shortages preclude a six-person watch section, if an operation is of limited duration, or the eventual netting of informations systems simplifies access to tactical information, then two officers, the GySgt 0861, and the Sgt 2531 will be sufficient.

Although redundancy with the responsibilities of other agencies in the MEF and divisions isn't necessarily desired, the ability to pass near real-time information to the 14thMar S-3, and directly to 14thMar battalion commanders who are operating in the division's zone, could only help the 14thMar S-3 and the battalion commanders in their planning for and execution of future and current battles.

A listing of information that could be exchanged between the division liaison team and other agencies follows.

1. 14thMar S-3
    a. Unit positioning and routes of march
    b. Fire support coordination measures and control measures
    c. High payoff targets and attack guidance
    d. Firing capabilities
    e. Ammunition status and restrictions
    f. Radar coverage
    g. On-order missions
    h. Fire plans
    i. Enemy activity, including emerging time critical targets in the division areas of interest or influence
    j. Unit positions
    k. Damage assessment

2. Division G-3 and Assistant Fire Support Coordinator
    a. Positioning and route requirements
    b. Fire support coordination measures and control measures
    c. Tactical missions of 14thMar units
    d. On-order missions
    e. Ammunition status and restrictions
    f. Firing Capabilities
    g. Radar coverage
    h. Unit positions
    i. Damage assessment

3. 14thMar MEF Liaison
    a. Positioning priorities
    b. Fire support coordination measures and control measures
    c. High payoff targets and attack guidance
    d. Enemy activity in the division zone of interest, including emerging time critical targets
    e. Damage assessment

A baseline assumption is that 14thMar units will be assigned missions of general support (of a MEF), reinforcing (to a division artillery), or general support reinforcing missions: liaison teams from the battalions will not be needed for the direct support mission during the contingencies currently under study by the 14thMar planning cell. The structure for division liaison teams could come from the liaison sections of the 14thMar artillery battalions (T/O includes two 0802s, a GySgt 0861, a sergeant 2531, and others). Additionally, the 14thMar battalion and battery I-Is (e.g., five 0802s in 4/14) are listed as site support on the I-I T/Os effective in FY01, and should be available to augment division and division artillery liaison teams. (Peacetime Wartime Support Teams will provide site support at the reserve training centers in time of war.) The battalion I-Is can become the division liaison team OICs, and the battery I-Is can backfill other force artillery liaison billets, including those of the division artillery liaison teams, as needed. Fourteenth Marines battalions' three battery liaison teams (one officer and one sergeant 0861, among others) can also be used to fill division artillery

liaison teams. An interpreter may be required to be added to the team if operating with an allied or coalition division

Equipment. Operations with American divisions may require less gear than those with allied or coalition divisions, as the interoperabilility and compatability of equipment, ease of coordination, and a common language would allow the team to tap into their resources. But these teams will need to be self-sufficient when supporting an allied or coalition division; in building or modifying a T/E for these sections, interoperability should not be assumed. Much of the equipment needed (e.g., MRC vehicles or VRC-92s/91s) is resident in the liaison sections in the 14thMar battalions. A sitmap capability might be required in a allied/ coalition COC, but wouldn't in an American COC – the team could just use the ones already in place (e.g. current ops, the FSCC's, and the intelligence sitmaps). In an American division, two laptops configured for the SIPRNET will be a requirement (one for the forward COC, and one for the main). The division G-6 can provide the drops for that, and can also provide addresses, directories, and telephone support. Two MRC vehicles and AFATDS will be required, as allied or coalition forces will most likely not have access to the SIPRNET, and won't be able to support the team with "drops" and addresses

Communications. Some of the communications issues have been previously discussed, but to whom the division liaison teams talk and how merits additional discussion. The team will need to be able to talk to the 14thMar S-3, the 14thMar MEF liaison cell, and the 14thMar battalion(s) operating within the zone of the division to which the division liaison team is attached. Talking to the MEF liaison cell for a team operating with an American division won't be problematic. For instance, 1stMarDiv establishes phone links and SIPRNET connectivity to I MEF, so connectivity can be rather easily established to the MEF liaison cell via the AN/TSC-85 and AN/TSC-93s. But voice and/or digital radio provisions will have to be made for the division liaison teams operating with allied and coalition divisions to be able to exchange information with the MEF liasion cell. Exchanging information digitally and by voice with 14thMar will be an on-going requirement, and direct communications with a 14thMar battalion or battalion(s) positioned in the division zone will most likely be necessary as well. These voice and digital radio requirements will dictate that the division liaison teams and the MEF liaison cells guard already established 14thMar nets, or will require the establishment of separate liaison nets, with associated hops, loads, and net IDs. If new nets are established, they should then be listed in exercise and real-world CEOIs.

Closing. Currently, because the 4/14 Liaison Section is only beginning to get its arms around the concept, tasks, and requirements of the division liaison teams, it is understandable that there is going to be a "crawl, stumble, walk, stumble, walk again, train as we go" approach to exercise participation, especially considering the diverse duties of many of the participants (read I-Is), and the amount of time available for the reservists to train. In the near future, by leveraging emerging technologies, the 14thMar should be able train its liaison teams from distant sites (along the lines of a DSTATS), eliminating the geographical separation of its units as a training obstacle.

In conclusion, the primary responsibility of the division liaison team will be to broker position areas within the division zone for the 14thMar units physically occupying turf in a division's zone. Although MEF positioning priorities should be published by the MEF and division CGs and honored by subordinate commanders, reality will dictate that somebody will need to be present in the division COC to protect positioning priority for 14thMar units. If not, the MEF CG may find himself without a dependable asset on which he is counting to shape the battlespace, and the division commander could ultimately pay dearly in the close fight.

PROPELLANT EFFICIENCY

By Mr. Mark Lewis, Marine Corps Programs Department

Propellant lots perform slightly differently from each other, it is important that the artillery community know what the variances in muzzle velocity are. Essentially, propellant efficiencies quantify the muzzle velocity differences between individual lot numbers, assuming standard projectile/fuse weight, tube wear, and propellant temperature.

Previously, propellant efficiencies were not available for all lot numbers and those that were known were generated from lot acceptance data. Some of this data was as much as 30 years old and due to age related degradation, may not have been entirely accurate.

Efforts are currently underway to provide the Marine Corps artillery community with easier access to the propellant efficiency data for artillery propellants. The propellant efficiency data table will become available through use of a website maintained at Marine Corps Programs Department in Fallbrook California. It is anticipated that this site will be available in August 2000. Anyone with a .mil address may access the data sheet.

The data table will provide the DODIC, lot number, propellant model number, charge, propellant efficiency (+/-), and the source of the muzzle velocity (i.e., lot acceptance test, surveillance test). As additional surveillance is conducted, that data table will be refreshed to incorporate the latest efficiencies. Several of the older propellant efficiencies have been updated and are less than 10 years old.

Questions or comments may be addressed to Mr. Mark Lewis, Marine Corps Programs Department, Fallbrook, California, DSN 873-3348, commercial (760) 731-3348 or e-mail at LewisMR@mcpd.navy.mil.

The Rapid EFC Table

By Sgt D.E. Owens, 10th Marines ATS

The Rapid EFC Table was developed to help Howitzer Section Chief's and Battery XO's quickly and accurately determine EFC's for the howitzers.

The organization of the table makes it easy to use. First of all, it is split into two halves. The left half is for one to fifty rounds, and the right half is for fifty-one to one hundred rounds. Looking at the left half only, you will see eight columns. The first column represents the number of rounds shot. The second column is for Charge 1-5 Green Bag. Column three is for Charge 3-6 White Bag. Column four is for Charge 7 White Bag. Column five is for Charge 8 White Bag. Column six is for Charge 7 Red Bag. And columns 7 & 8 are for Charge 8 Red Bag.

In order to determine the EFC you are looking for, you first need to determine which column to use. Once that is determined, simply scroll down the page until you are lined up with the number of rounds shot.

The record of EFC's Chart was designed to aid the Howitzer Section Chief and the Battery XO organize the EFC data in order to put the data into the Gun Books. The following information needs to be filled in:

1. Type of round.	Type of round fired.
2. Number of rounds.	The total number of that type of round fired.
3. Charge.	The charge that the type and number of rounds were fired with.
4. EFC of Charge.	The EFC rating of the charge that was used.
5. Total EFC.	The number of rounds fired multiplied by the EFC of Charge.

Remember, the data needs to be split into the Date, Type, and Charge. When any of this information varies a different EFC must be computed.

The following is an example:

By quickly looking at the DA4513, it can be determined that on 000315, Howitzer Serial Number 921, with Sgt Owens as the section Chief, fired 6 HE rounds using Charge 4 Green Bag, and 9 HE rounds using Charge 7 White Bag.

First of all, the following information can be entered.

Date **000315** Gun Serial # **921** Section Chief **SGT OWENS**

TYPE OF ROUND	NUMBER OF ROUNDS	CHARGE	EFC OF CHARGE	TOTAL EFC
HE	6	4 GB		
HE	9	7 WB		

Now, by using the Rapid EFC Table, look at the column labeled Charge 1-5 Green Bag. First, look at the number in the column head. This is the EFC of Charge. Next, scroll down until lined up with the 6 in the Rounds column. The number shown is 0.450. This is the total EFC for that data. Then repeat the previous steps for the next set of data. Find the column labeled Charge 7 White Bag. Scroll down until lined up with the 9 in the rounds column. The number shown is 1.350. This is the total EFC for this data. Now the chart can be finished as follows.

Date 315 Gun Serial # 921 Section Chief SGT OWENS

TYPE OF ROUND	NUMBER OF ROUNDS	CHARGE	EFC OF CHARGE	TOTAL EFC
HE	6	4 GB	**0.075**	**0.450**
HE	9	7 WB	**0.15**	**1.350**

This information can now easily be verified by the XO and then entered in the Gun Book.

RAPID EFC TABLE

Source: Tm 9-1000-202-14 January, 1999

RDS	M3A1 Chrg 1-5 Green 0.075	M4A2 Chrg 3-6 White 0.075	M4A2 Chrg 7 White 0.15	M119A1 Chrg 8 White 0.50	M119A2 Chrg 7 Red 0.50	M203 Chrg 8 Red 1.00	M203A1 Chrg 8 Stick 1.00
1	0.075	0.075	0.150	0.500	0.500	1.000	1.000
2	0.150	0.150	0.300	1.000	1.000	2.000	2.000
3	0.225	0.225	0.450	1.500	1.500	3.000	3.000
4	0.300	0.300	0.600	2.000	2.000	4.000	4.000
5	0.375	0.375	0.750	2.500	2.500	5.000	5.000
6	0.450	0.450	0.900	3.000	3.000	6.000	6.000
7	0.525	0.525	1.050	3.500	3.500	7.000	7.000
8	0.600	0.600	1.200	4.000	4.000	8.000	8.000
9	0.675	0.675	1.350	4.500	4.500	9.000	9.000
10	0.750	0.750	1.500	5.000	5.000	10.000	10.000
11	0.825	0.825	1.650	5.500	5.500	11.000	11.000
12	0.900	0.900	1.800	6.000	6.000	12.000	12.000
13	0.975	0.975	1.950	6.500	6.500	13.000	13.000
14	1.050	1.050	2.100	7.000	7.000	14.000	14.000
15	1.125	1.125	2.250	7.500	7.500	15.000	15.000
16	1.200	1.200	2.400	8.000	8.000	16.000	16.000
17	1.275	1.275	2.550	8.500	8.500	17.000	17.000
18	1.350	1.350	2.700	9.000	9.000	18.000	18.000
19	1.425	1.425	2.850	9.500	9.500	19.000	19.000
20	1.500	1.500	3.000	10.000	10.000	20.000	20.000
21	1.575	1.575	3.150	10.500	10.500	21.000	21.000
22	1.650	1.650	3.300	11.000	11.000	22.000	22.000
23	1.725	1.725	3.450	11.500	11.500	23.000	23.000
24	1.800	1.800	3.600	12.000	12.000	24.000	24.000
25	1.875	1.875	3.750	12.500	12.500	25.000	25.000
26	1.950	1.950	3.900	13.000	13.000	26.000	26.000
27	2.025	2.025	4.050	13.500	13.500	27.000	27.000
28	2.100	2.100	4.200	14.000	14.000	28.000	28.000
29	2.175	2.175	4.350	14.500	14.500	29.000	29.000
30	2.250	2.250	4.500	15.000	15.000	30.000	30.000
31	2.325	2.325	4.650	15.500	15.500	31.000	31.000
32	2.400	2.400	4.800	16.000	16.000	32.000	32.000
33	2.475	2.475	4.950	16.500	16.500	33.000	33.000
34	2.550	2.550	5.100	17.000	17.000	34.000	34.000
35	2.625	2.625	5.250	17.500	17.500	35.000	35.000
36	2.700	2.700	5.400	18.000	18.000	36.000	36.000
37	2.775	2.775	5.550	18.500	18.500	37.000	37.000
38	2.850	2.850	5.700	19.000	19.000	38.000	38.000
39	2.925	2.925	5.850	19.500	19.500	39.000	39.000
40	3.000	3.000	6.000	20.000	20.000	40.000	40.000
41	3.075	3.075	6.150	20.500	20.500	41.000	41.000
42	3.150	3.150	6.300	21.000	21.000	42.000	42.000
43	3.225	3.225	6.450	21.500	21.500	43.000	43.000
44	3.300	3.300	6.600	22.000	22.000	44.000	44.000
45	3.375	3.375	6.750	22.500	22.500	45.000	45.000
46	3.450	3.450	6.900	23.000	23.000	46.000	46.000
47	3.525	3.525	7.050	23.500	23.500	47.000	47.000
48	3.600	3.600	7.200	24.000	24.000	48.000	48.000
49	3.675	3.675	7.350	24.500	24.500	49.000	49.000
50	3.750	3.750	7.500	25.000	25.000	50.000	50.000

RDS	M3A1 Chrg 1-5 Green 0.075	M4A2 Chrg 3-6 White 0.075	M4A2 Chrg 7 White 0.15	M119A1 Chrg 8 White 0.50	M119A2 Chrg 7 Red 0.50	M203 Chrg 8 Red 1.00	M203A1 Chrg 8 Stick 1.00
51	3.825	3.825	7.650	25.500	25.500	51.000	51.000
52	3.900	3.900	7.800	26.000	26.000	52.000	52.000
53	3.975	3.975	7.950	26.500	26.500	53.000	53.000
54	4.050	4.050	8.100	27.000	27.000	54.000	54.000
55	4.125	4.125	8.250	27.500	27.500	55.000	55.000
56	4.200	4.200	8.400	28.000	28.000	56.000	56.000
57	4.275	4.275	8.550	28.500	28.500	57.000	57.000
58	4.350	4.350	8.700	29.000	29.000	58.000	58.000
59	4.425	4.425	8.850	29.500	29.500	59.000	59.000
60	4.500	4.500	9.000	30.000	30.000	60.000	60.000
61	4.575	4.575	9.150	30.500	30.500	61.000	61.000
62	4.650	4.650	9.300	31.000	31.000	62.000	62.000
63	4.725	4.725	9.450	31.500	31.500	63.000	63.000
64	4.800	4.800	9.600	32.000	32.000	64.000	64.000
65	4.875	4.875	9.750	32.500	32.500	65.000	65.000
66	4.950	4.950	9.900	33.000	33.000	66.000	66.000
67	5.025	5.025	10.050	33.500	33.500	67.000	67.000
68	5.100	5.100	10.200	34.000	34.000	68.000	68.000
69	5.175	5.175	10.350	34.500	34.500	69.000	69.000
70	5.250	5.250	10.500	35.000	35.000	70.000	70.000
71	5.325	5.325	10.650	35.500	35.500	71.000	71.000
72	5.400	5.400	10.800	36.000	36.000	72.000	72.000
73	5.475	5.475	10.950	36.500	36.500	73.000	73.000
74	5.550	5.550	11.100	37.000	37.000	74.000	74.000
75	5.625	5.625	11.250	37.500	37.500	75.000	75.000
76	5.700	5.700	11.400	38.000	38.000	76.000	76.000
77	5.775	5.775	11.550	38.500	38.500	77.000	77.000
78	5.850	5.850	11.700	39.000	39.000	78.000	78.000
79	5.925	5.925	11.850	39.500	39.500	79.000	79.000
80	6.000	6.000	12.000	40.000	40.000	80.000	80.000
81	6.075	6.075	12.150	40.500	40.500	81.000	81.000
82	6.150	6.150	12.300	41.000	41.000	82.000	82.000
83	6.225	6.225	12.450	41.500	41.500	83.000	83.000
84	6.300	6.300	12.600	42.000	42.000	84.000	84.000
85	6.375	6.375	12.750	42.500	42.500	85.000	85.000
86	6.450	6.450	12.900	43.000	43.000	86.000	86.000
87	6.525	6.525	13.050	43.500	43.500	87.000	87.000
88	6.600	6.600	13.200	44.000	44.000	88.000	88.000
89	6.675	6.675	13.350	44.500	44.500	89.000	89.000
90	6.750	6.750	13.500	45.000	45.000	90.000	90.000
91	6.825	6.825	13.650	45.500	45.500	91.000	91.000
92	6.900	6.900	13.800	46.000	46.000	92.000	92.000
93	6.975	6.975	13.950	46.500	46.500	93.000	93.000
94	7.050	7.050	14.100	47.000	47.000	94.000	94.000
95	7.125	7.125	14.250	47.500	47.500	95.000	95.000
96	7.200	7.200	14.400	48.000	48.000	96.000	96.000
97	7.275	7.275	14.550	48.500	48.500	97.000	97.000
98	7.350	7.350	14.700	49.000	49.000	98.000	98.000
99	7.425	7.425	14.850	49.500	49.500	99.000	99.000
100	7.500	7.500	15.000	50.000	50.000	100.000	100.000

SGT OWENS 10th Marines ATS

RECORD OF EFC's

DATE_____ GUN SERIAL #_____ SECTION CHIEF_____

TYPE OF ROUND	NUMBER OF ROUNDS	CHARGE	EFC OF CHARGE	TOTAL EFC

DATE_____ GUN SERIAL #_____ SECTION CHIEF_____

TYPE OF ROUND	NUMBER OF ROUNDS	CHARGE	EFC OF CHARGE	TOTAL EFC

DATE_____ GUN SERIAL #_____ SECTION CHIEF_____

TYPE OF ROUND	NUMBER OF ROUNDS	CHARGE	EFC OF CHARGE	TOTAL EFC

MMOA

A Message From The 0802 Company Grade Monitor

By Maj A.A. Lagore

It has been quite an interesting year as the company grade 0802 (plus 14 other MOS's) assignments monitor. During this period I have learned an enormous amount about the manpower process and feel it necessary to pass some of this information to my fellow artillerymen. My goal is to provide an overview of what I learned, what I did, who moved, where they moved, and the current status of the company grade 08's as I see it. In no way is the information provided below part of a Marine Corps Order nor is it HQMC gospel. It is purely what Major Albert Lagore saw and did sitting in this cubicle for the last year.

T/O - SG

When I came into MMOA I had numerous burning questions, besides "Why me!?" The first was why were we short 0802s in the regiment. In order to answer this I had to learn the difference between Staffing Goal (what I need to fill) and Tables of Organization (T/O's). This is briefed at the MMOA road show but I'll try to put it in gun line terms. Basically, the T/O is built for when we go to war. The Staffing Goal (SG) is only a portion of the T/O. The SG is less because of a few reasons. First, we are not authorized by Law to "buy" the required number of officers to meet all the T/O's. Second, of those that we are authorized to buy, there is a portion who are in training (TBS, FAOBC, AWS etc), in the middle of a PCS move, or in hospitals/prison. This is referred to as T2P2. Some commands' SG are 100% of their T/O and some lower. This is due to the Staffing Precedence level of the different commands.

ASSIGNMENT PROCESS

Ideally, the assignment process should start and end in the summer time. This summer I should be identifying the upcoming holes. In the fall the monitors take off on the road show to meet with their population and determine officer's individual desires. Upon completion of the road show and during the winter/spring orders are issued and lastly the summer is the execution phase. However, not everything goes as planned since this is a dynamic/people-oriented process. There are many factors that will unhinge the best plans: unplanned resignations, unplanned reliefs, structure changes, officers selected for education programs, etc. Quite often, one of the above factors effecting one officer has a ripple effect on three or four officers necessitating off year, short notice or unrequested moves.

FIRST TOUR TOS

One of the biggest and most contentious issues I faced upon assuming my duties was the issue of first tour officers moving at the 24-month mark. This is not true that all officers are moved at the 24-month mark. I will be the first one to admit that 24 months is too short of a time for a lieutenant to develop

the requisite experience to become MOS proficient for his rank. After a year in this job, I also need to admit that it would be virtually impossible to keep all first tour officers in the operating forces for 36 months and adequately fill B-Billets. When I realized it was such an issue I began to keep track of every 0802 that I moved out of the operating forces via PCS or PCA orders. Here at the statistics since September 99.

*Time on Station (TOS) for all 0802's moved out of the Regiments is 29.5 months.
*TOS for all 0802's moved out of the Regiments (minus officers who were PCA'ed to a MEU or went to Ft Sill, (i.e. stayed in the MOS)) is 30.6 months.

These stats are based on 45 officers that I have cut orders on leaving their 1st tour in a Regiment via PCS or PCA orders since September. Of these 45 officers, 11 will leave at 26 months or less. This appears to be a defensive argument against the perception that everyone leaves at 24 months TOS and to some degree it is. That is due to my current assignment. Although, I am still an artilleryman and will continue to try and allow as many 0802 lieutenants more time in the operating forces as possible. Concurrently, I need to spread the wealth and pain among the five other unrestricted MOSs I monitor.

Since I am talking about orders out of the operating forces let me give a quick overview of where I am sending 0802 lieutenants (Capt. selects) this year. MCU (TBS, OCS)– 6, Ft Sill – 5, MCRD – 5, MEU's – 7, Recruiting (OSO, RS, MCRC) – 8, MCSF – 3, MSG – 2, SMOS tour – 5, SpaceCOM, Camp Fuji, MCWFL, M&RA – 1 each.

TBS

The replacements for officers leaving the operating forces, whether under orders or EASing, fall squarely on the new second lieutenants out of TBS. Replacing experience with newbies is not the best answer, however it is reality. Here are the statistics on TBS classes. The average class standing for the highest ranked 0801 of the past years TBS companies is # 33. TBS produced 87 0801's over the past year. Of these 87, 30 had 0802 as their first choice, 15 their 2nd, 10 their 3rd and 19 their 4th or below. To determine where these lieutenants will go after Ft Sill I try to predict where the Regiments will be in relation to staffing goal at the time they will graduate from Field Artillery Officer Basic Course (FAOBC). Once I figure out how many will go where, I use their lineal standing and their geo-location desires to slate them to the Regiments. Once this is complete I go back and ensure neither regiment is stacked with the top performers and if so manipulate that slate for a more equitable quality spread.

An issue that frequently surfaces is on the lieutenants who go OJT after TBS graduation awaiting the start of FAOBC. My rule of thumb is that if a FAOBC starts more then five weeks after TBS graduation I will issue orders for those 0801's directly to the operating forces. My thought process is instead of painting rocks in Quantico or Lawton they can head to the gunline or the hill and start to learn their trade. This will happen for about two classes a year, approximately 18-20 lieutenants. The concern that is voiced is since their date current tour began (DCTB) is the day they check in, even for OJT, they could be moved 24 months after that. This would give them only 17-19 months in the operating forces as an 0802. There will be no changes to how a DCTB is run on the unit diary. It is true they could be moved 24 months later, but please give me some credit. For officers that go OJT a sentence is added to their computer file here stating he went OJT and his "real" DCTB is whatever month he graduates from FAOBC. (This is the same process the monitor has been practicing for amtrac and tank officers for the past 5 years or so.) Two other checks and balances are first, the individual officer who I hope would speak up and correct my data if I made a mistake and the second

being the individual battalion XOs. I have not moved an officer out a battalion with out speaking with the XO first. I hope this alleviates any fears that may be out there.

CLS

To switch gears again, the following is information on 0802 Captains and Career Level School. I fell in on the past year's selections; Academic Year (AY) 99-00. This past AY saw ten 0802's at Amphibious Warfare School (AWS) and two at Command and Control Systems Course (CCSC). Of these 12 students, nine went directly to the Division, two went to MEU's and one to TTECG. It is my intention for the three officers who did not go directly to a Regiment to spend a year /deployment with their command and PCA to the corresponding regiment. Fourteen captains will attend the FA Captains Career Course (FACCC) this AY. Presently, six are under orders (since only six have begun school so far); all to a Division. Currently, my plan is for the remaining eight to be assigned to a Division as well. Hopefully that plan remains intact.

2ND TOUR CAPTAINS

It is rare that I will issue orders for a post-CLS captain out of the operating forces during his second tour. This is primarily due to the short amount of time until a captain is in zone for major and requirement to keep a Marine on station at a minimum of 24 months. The billets that would cause me to do this are Inspector-Instructor assignments, TTECG, MAWTS-1 and, oh yeah, the company grade assignments monitor. The unwritten but valid requirement for all these assignments is a post-command and post-CLS captain. When looking for a captain to fill these assignments I look for the following prerequisites, in this order:

- -Post-command, post-CLS captain with 3 yrs TOS.
- -Same but with 2 yrs TOS
- -Post-CLS captain with previous command experience.
- -Post CLS captain w/out previous command experience.
- -Senior 1stLt/Capt (sel)/junior captain with strong recommendations from chain of command.

Unfortunately I am often required to move down in the preference order for various reasons. A captain may be assignable but will not return from a deployment until long after the billet must be filled, a captain may be coming up on 24 months but just assumed command, and lastly, what I run into most often, a captain is up on his 24 months but is selected for major and thus falls into the field grade monitor's population. I&I's are filled by majors at times but it is a valid staffing goal for a captain so any that the major's monitor can fill only help my dilemma.

CURRENT STATUS

In my personal opinion, the current status of the 0802 company grade staffing is fair at best. As far as lieutenants go all operating forces commands have been at 100% of Staffing Goal for most of the year. As stated earlier, SG is not equal to the T/O, so I'm not kidding myself that because the Regiments may be at SG, they are healthy. A common complaint is the lack of experience of these lieutenants, i.e., a battalion may have plenty of lieutenants but they are all 2nd Lt.'s. Through stubby pencil calculations and from what I can see via MCTFS, each battalion should have an average of 15 1st Lt.'s by July 00.

Captains in the operating forces are a much different and sadder story. By September 00 the operating forces will be at 88% of SG for Captains. This is equating to 1st Lt.'s commanding firing batteries. If my post CLS plan remains intact for the remainder of this AY, then each Regiment should be at 100% of SG by January 2001. Assuredly, that will be at the same time the major's selection list will come out

and I will be back below staffing goal since those selected will be counted against the major's SG. Twenty-six captains who will be in the operating forces come this October will be in zone for major.

The previous paragraph obviously begs the question: Where are the captains? Unfortunately, I don't have a solid answer. I think all would agree that 90% of the captains that return to the operating forces for a second tour are coming from CLS. The other 10% are coming from a SEP tour (not eligible for CLS) or just didn't go. There should be an average of 32, 0802 captains leaving CLS each AY. This AY only 26 will graduate CLS. I believe this is due to resignations of eligible captains. In fact, of the 27 captains selected for the FA CCC for this AY(pri & alt) , 12 resigned. I can only hope this year's results are different.

There are two things that I am trying to do to lessen the blow to the 0802 situation in the operating forces. I am pushing for officers from other MOS's within my population (who historically haven't filled many B-Billets) to assume more 9910 billets allowing 0802 lieutenants to stay in the fleet longer. This equates to one's and two's here and there but any little bit helps. The best assistance I can provide for the problem with captains is try and move them out of their B-billets sooner, most often to school. The catch-22 is that once they leave whatever billet, it needs to be backfilled. That backfill is probably going to come from a lieutenant out of the operating forces.

MISCELLANOUS

The last thing I want to touch on is my thought process in making particular assignments. These are mostly unwritten and never will be written, Lagore policies.

-Okinawa billets have been difficult for me to fill. If an officer volunteers for one then I annotate that in his files. If he goes for one year, I will give him his choice of **available** assignments when he is due to rotate. Key word is available.

-Officers I assign to Ft. Sill as instructors need to be nominated by the Regiments. Officers assigned to TBS need recommendations from the Bn CO or XO.

-Each MEU rates two 0802s. My intention for each TIO sent to a MEU is to remain for two deployments, the second as the FSO.

-I will honor all decisions made by my predecessor whether they are good or bad for the individual officer or me. Some form of proof is required though and is usually in the form of an email or contact note in the officer's file here. I can only assume my relief will do the same.

-Every billet that I need to fill is on my web page until filled. I'm not hiding anything. One criticism I heard is not to put the MSG and MCSF billets on there because lieutenants will get target fixation. The only thing I can say is don't get target fixation and when you fill out the interview sheets put down 6 varied choices not 6 different MCSF billets.

-Speaking of MSG & MCSF, this is how I get the billets assigned to me. My boss looks at all the openings and then fair shares them to all the monitors based on relative population.

-By the way, my boss also fair shares the recruiting hot-fills. We try to fill recruiting billets on a first-come/first-serve basis (ensuring the officer has a good record). If a billet is not filled 2-3 months prior to it opening then my boss needs to point the finger and one of the monitors needs to find an officer to fill it. If I get the finger I start looking for those officers who can move (TOS & EAS) and try to find someone who may have expressed an interest in that recruiting area. If I can't find anyone who wants to go there I will direct the assignment.

-If an officer is selected for school and declines one of two things will happen. If he has 30 months TOS at his current assignment, I will issue orders back to the operating forces. If he has less then 30 months I will screen him again for the next schools list.

-I make all the assignment decisions for officers leaving AWS or CCSC. For FACCC students, I try and send out the available duty assignments for each class and the students decide which they want; if they can't, I will. I do this only because of the numbers involved. It would be counter productive to try and get a consensus among 12 AWS/CCSC students vice the two to five students in each FACCC class.
-Post-CLS assignments. The vast majority of students want to head to the active component operating forces. The assignments that I sometimes need to fill that will force me to send a CLS student to a non-active duty artillery unit are as follows, with my criteria afterwards:

MEU FSO – a student with a junior enough DOR to do one deployment and PCA to a corresponding regiment allowing at least 6 months prior to being looked at for major.

TTECG Coyote – same as above with PCA to 3/11.

I&I – a student with previous command experience (Firing battery, HQ Battery, B-Billet company command, in that order)

Okinawa (31st MEU, PhibGru-1, 12th Marines) – Oldest overseas control date

-My replacement is out there somewhere. I look forward to your arrival and when the phone rings being able to say, " It's for you!"

DISCLAIMER!!!! This article is not a Marine Corps Order. This is not HQMC gospel. This is not how all the other monitors do business. This is purely the current company grade 0802 monitor's way of doing business. My ways, means and intent may change in a week or eight months. An assignment someone gets may end up being contrary to everything I've written (for numerous reasons). I've just tried to give the community as much information as possible so the assignments business isn't perceived as Black Magic. I look forward to the next year not making the same mistakes again and coming closer to accounting for all non-standard conditions that effect an on time, on target assignment that meets both the needs of the Marine Corps and the individual officer desires. Shot out!

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SYSCOM UPDATES

000706

HIMARS

All four defense committees have recommended a $17.3M plus-up in the FY01 budget for the USMC to acquire and evaluate HIMARS. The plus-up will be used to purchase two HIMARS systems for the USMC, to further evaluate the feasibility of an MTVR variant for the system, and to provide program support. A life cycle cost estimate is also currently being performed to compare the costs associated with buying the current Army HIMARS (that uses a FMTV truck platform) with the costs associated with pursuing an USMC unique variant based on an MTVR platform.

ESS

The Environment Stabilization System (ESS) provides a preservation environment for the systems, equipment and materials associated with the Meteorological and Counterfire Sections of the Marine Corps Artillery Regiments. The ESS is a uniquely tailored dehydration system whose primary objective is to reduce and stabilize the ambient relative humidity to between 30 and 40 percent. This type of environment reduces corrosion and, in turn, reduces parts failures and maintenance labor hours. The ESS has been approved for procurement. Fielding and installation is scheduled to begin 01 September 2000.

HYPAK

The Hydraulic Powered Assist Kit (HYPAC) is an electrically powered hydraulic pump that replaces the manual hand pumps for the speedshift and wheel assemblies on the M198 towed howitzer. Presently, all active FMF have been fielded. Maritime Prepositioned Forces are being retrofitted on a rotational cycle with completion projected in FY02. MARFORRES will not field HYPAC.

TLDHS

The Target Location, Designation and Hand-off System (TLDHS) is composed of two subsystems: the Lightweight Laser Designator Rangefinder (LLDR) and the Target Hand-off Subsystem (THS). The LLDR, under US Army procurement leadership, is presently undergoing contractor testing in preparation for the government's Developmental Testing in September 2000 and Operational Testing in December 2000. THS software is being developed in three stages: digital hand-off to artillery missions (complete); digital hand-off to Close Air Support (under development); and digital hand-off to Naval Surface Fire Support (begins development in FY01).

FIREFINDER

The AN/TPQ-46A Firefinder Radar Electronic Upgrade is complete and delivered to the FMF and MARFORRES. In May 00 a performance review was conducted with FMF to address performance and equipment concerns. FMF concerns have been either resolved or will be with a software upgrade projected for November 00. The Q-46A has since performed successfully in live fire exercises in Hokkaido, Japan and Camp Lejeune.

U.S. Marine Corps Artillery Detachment

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Around The School House

AFATDS Courses at Fort Sill

By Capt G. Benson

Greetings from Marine Corps Fire Support Systems! Advanced Field Artillery Tactical Data System training has been revised since the last Eagle Globe and Blockhouse. The courses for FY 00 are still in effect but now we have visibility on courses for FY 01. The dates for these courses are listed below. Ft Sill cannot submit names for these courses. This must be done through your normal school nomination channels. The seats are funded by MARCORSYSCOM through Course Identification Number **A20ANWI**.

These seats are a very hot item and are open to all Marines in all MOS's. The course dates are now set in stone and are good for a unit's planning purposes. The courses are taught by both Marine and Army instructors and the students are a mix as well. The Operators Course covers all aspects of the system, from hardware setup to fire planning and provides a good understanding of the system from the operator standpoint. It is not, however, a stand-alone training option. Once a Marine is trained on AFATDS, they need to maintain their proficiency on the system back at their units. This is done through unit level AFATDS training when the training schedule permits.

At this time there are no seats for the AFATDS Command and Staff course at Ft Sill for Marines. The Command and Staff course is focused on Marines who already know the system and who are in a supervisory role. Starting in FY 02, there will be 15 seats available for the AFATDS Command and Staff course, reserved exclusively for Marines. These dates will be published when they become available.

The course dates for FY 01 are listed below, along with seat allocations for each.

Course Number:	Start:	Finish:	Seats Available:
501-01	6 MAR 01	3 APR 01	20
8-01	6 AUG 01	30 AUG 01	5
502-01	3 SEP 01	1 OCT 01	19

The course dates for FY 00 are listed below as a reminder of this years course availability.

Course Number:	Start:	Finish:	Seats Available:
8-00	5 JUL 00	2 AUG 00	12
9-00	9 AUG 00	7 SEP 00	13
501-00	10 SEP 00	6 OCT 00	25

The CID for these courses is **A20ANWI**. Use this number when submitting nominations.

Marines attending any of the courses here at Ft Sill, such as Captain's Career Course (formerly Officer Advanced Course), Officer Basic Course, Warrant Officer Basic Course, Marine Artillery Operations Chief's Course, and the new MAGTF Fire Support Chief's Course will all receive some AFATDS training. Most will get two weeks or more of Marine specific instruction, although OBC lieutenants only receive four to twelve hours under the current POI. Once technical fire direction becomes a part of AFATDS, all students will receive significantly more AFATDS training. The amount is still up in the air as this training will not commence until FY 02 at the earliest. All training conducted at Ft Sill by the MCFSS section mirrors the latest course work taught by the AFATDS NETT, thus insuring commonality between what is taught in the fleet and at the school house.

The Point of Contact on course availability and dates is Capt Garrett Benson, OIC, Marine Corps Fire Support Systems, FT. Sill, OK, DSN 639-2592/2371, email: bensong@sill.army.mil.

MAGTF Fire Support Chief's Course 1-00

By Capt Robert Zyla

The long awaited career progression course for 0861's convened on 1 May 00. The purpose of the course focused upon teaching and mentoring Marine Fire Support Men, the requisite technical and tactical knowledge to transition from operating at the company level to the highly stressful fire support coordination centers of the Infantry Battalion and Regiment. The first class had six Marines from 10th Marine Regiment, twelve from the 11th Marine Regiment, and one Marine from 12th Marine Regiment. There was one Staff Sergeant, thirteen Sergeants, and five Corporals.

The course was six weeks in length and included two modules of instruction, the manual fire-planning module and the automated fire-planning module. During manual fire-planning, the students reviewed the capabilities and limitations of each supporting arm, were taught the planning requirements for artillery, NSFS, and aviation fires, and were introduced to the development of a Fire Support Plan within the Marine Corps Planning Process. The second half of the MAGTF Fire Support Chiefs' Course was the automated fire-planning module. The Marine Corps Fire Support System (MCFSS) Section instructed the students in the Advance Field Artillery Tactical Data System (AFATDS) using a condensed "operator course" POI.

With the first course now completed, it is now time to collect after-action comments, review the POI, and implement further initiatives and changes to improve future courses. Each student filled out a post class critique, which will be reviewed during a course review process. Some of the post class review comments for the manual fire planning module included an increase in the time allotted for writing the Fires Paragraph to the OPORD and associated practical exercises. The students felt that those specific classes should be lengthened by four hours, two additional hours for greater detailed instruction and two hours for the practical exercise. The students also requested the addition of a Battalion/Regimental FSCC Command Post Exercises (CPX). To address this issue, the staff is exploring the possibility of a JANUS CPX for future courses. The students further requested additional information on the various mortar systems that are in service. For the Automated Fire Planning Module, the students recommended an increase in the time allotted for AFATDS by one week due to the complex nature of AFATDS. However, this is not feasible due to course caps and the existing pre-requisite for completion of the AFATDS operators' course.

The instructors of the MAGTF FS Chiefs' Course are requesting any additional feedback from the operational forces concerning the knowledge, skills, and abilities of the Marines, which attended the first MAGTF FS Chiefs' Course. Any additional comments will facilitate a proper mix of information and practical application.

One issue that must be addressed, before the next course, was students not checking in with their SRBs or medical and dental records. During the course, several Marines had medical and dental problems arise, which were delayed by not having medical or dental records. Additionally, several students checked-in without a Government credit card or advance pay to cover lodging and meals. Government messing facilities and billeting were available, but at a cost to the Marine. The loss of numerous hours of instruction resulted from having to resolve these issues. In the future all Marines that attend this course must have a government travel card before leaving their parent command.

One final initiative that is still to be resolved is the assignment of a new MOS (0869), for those Sergeants and above that complete the MAGTF FS Chiefs' Course. PPO and the Artillery OAG are resolving this issue.

Future course dates are: Class 1-01: 3 Jan 01 – 15 Feb 01

Class 2-01: 1 May 01 – 13 Jun 01

POC: For questions or comments concerning MAGTF FS Chiefs' Course, contact GySgt Haralson and GySgt Eicholtz (MAR DET Ft Sill, Ok) at coml: (580) 442-5343/3085; DSN 639-5343/3085 or Capt Zyla at ext. 5801.

Artillery Operational Advisory Group

The Artillery Operational Advisory Group met 20-21July at Fort Sill. During this meeting two important documents were signed, which are presented below. The first document, 0803 CAREER ASSIGNMENTS, describes the initiative to have the duties of the 0803 Target Acquisition Officer changed to more accurately reflect this Marine's role in artillery and fire support. Central to this initiative is the 0803's designation as a Target Information Officer (TIO) and as the Fires Tactical Systems Officer (FTSO). Assigning 0803's as TIO's takes advantage of the expertise of these Marines and provides better support to Marine infantrymen. The FTSO billet addresses the requirement for a Subject Matter Expert to supervise the introduction of AFATDS and other C2 systems in the Marine Corps.

The second document, JOINT REGIMENTAL ORDER P3570.1B Ch 1 is the first approved change to the Joint Regimental Safety Order. The change itself is included in the article. Copying of the change for inclusion in the order is authorized.

UNITED STATES MARINE CORPS
10TH Marine Regiment
11th Marine Regiment
12th Marine Regiment
14th Marine Regiment
Marine Corps Artillery Detachment, Fort Sill, OK

5000
OAG
21 July 00

From: Commanding Officer, 10th Marines
Commanding Officer, 11th Marines
Commanding Officer, 12th Marines
Commanding Officer, 14th Marines
Commanding Officer, Marine Corps Artillery Detachment
To: Commandant of the Marine Corps (PP& O)

Subj: 0803 CAREER ASSIGNMENTS

Encl (1) Summary Of Proposed Changes
(2) Phase In Plan
(3) Proposed Structure for MOS 0803

1. **Background**: The 1996 MAGTF Target Acquisition Conference recommended that specially trained and experienced Target Acquisition Warrant Officers (MOS 0803) be assigned to critical billets to overcome current training, experience, and billet stability limitations. In September 1997, The Commanding General, MCCDC, approved recommended changes to the MOS manual that describe MOS 0803 as a Target Acquisition Warrant Officer. Focusing on targeting as a critical warfighting capability, the Division Fire Support Coordinators and the Commander of the Marine Artillery Detachment, Fort Sill forwarded a proposal to have the 0803 Officer designated as the Targeting Information Officer in various level MAGTF staffs. The 1997 initiative had widespread support within the artillery community based on the following assertion:

> Targeting expertise in the Artillery Battalion and Regiment Fire Direction Centers, and the Infantry Battalion and Regiment Fire Support Coordination Centers, is a critical warfighting requirement that has not been well served by the rapidly rotating company grade 0802 community (i.e., 0802's in their second FMF tour). The 0803 Officer offers the Artillery and Infantry Commander the best alternative for stability and expertise.

The 1997 initiative was dismissed due to the issue of requisite compensatory reductions in the 0802 community, specifically regarding MEU TIO billet staffing. HQMC agencies determined the required 0802 reductions for the initiative. MEU TIO billets were targeted as the most opportune means to employ 0803's. This initiative was non-concurred by CG, II MEF.

Subj: 0803 CAREER ASSIGNMENTS

2. **New Proposal**: This proposal outlines a plan to more effectively utilize the talents of the 0803 MOS, the Marine Target Acquisition Officer. The proposal is centrally focused on establishing the 0803 as the Target Information Officer (TIO), the targeting expert within the supported Infantry Regiments, the Marine Division and the Marine Expeditionary Force Fire Support Coordination Centers. Additionally, the proposal submits establishing the 0803 as the Fires Tactical System Officer (FTSO), a job necessitated by the introduction of the Advanced Field Artillery Tactical Data System (AFATDS), the Tactical Communications Operation (TCO), and other battlefield C2 systems. The creation of the FTSO billet represents the soundest strategy to prepare the GCE for the rapid introduction of automated C2 systems in FDC's and FSCC's. This initiative proposes changes to tables of organization of operating forces and supporting establishment billets.

Table of Organization: Proposed changes to T/O's are outlined below:

Unit	Command	Current Staffing	Current Billets	Proposed Command	Proposed Staffing	Proposed Billets	Remarks
MEF Target Info Section	I, II, III MEF	(1) Capt/Maj-0802 from MEF Staff	TIO	I, II, III MEF	(3) CWO	TIO, in support of MEF Force Fires	Converts 0802 TIO to 0803 Total 0803-(3)
Arty Regt	10th 11th 12th 14TH	(3) CWO (3) CWO (2) CWO 0	(1) SurvO, (1)Met (1)RDO (1)SurvO,(1)Met, (1)RDO (1)SurvO,(1)RDO N/A	10th 11th 12th 14TH	(3) CWO (3) CWO (2) CWO (1) CWO	(1)SurvO/MetO, (1)RDO, (1)FTSO for each regt. (1) TIO/FTSO in support of FAHQ	Note-12th Mar Met Officer-"C" coded—not manned Total 0803-(8) Convert SMCR billet to active Total 0803-1
	10th 11th 12th & 14th	(1) Capt-0802 T/O-1101H Line #-75 (ACTIVE) (1) Capt-0802 T/O-XXX Line #-XXX (RESERVE)	TIO	10th 11th 12th 14th	(1) CWO (1) CWO (1) CWO (1) CWO	TIO in support of division FSCC TIO in support of division FSCC TIO in support of division FSCC TIO in support of FA mission	Converts 0802 TIO to 0803 Total 0803-(3) [Active Component] Total 0803-(1) [Reserve Component]
Arty Bn	10th 11th 12th 14th	(4) WO/CWO (4) WO/CWO (2) WO/CWO (5) WO/CWO	(4) SurvoO (4) SurvoO (2) SurvO (5) SurvoO	10th 11th 12th 14th	(4) WO/CWO (4) WO/CWO (2) WO/CWO (5) WO/CWO	(4) TIO/FTSSO for 10th and 11th Bn's in support of regt fscc (2) TIO/FTSSO for 12th in support of regt fscc TIO in support of FA mission	Total 0803-(10) [Active Component] Total 0803-(5) [Reserve Component]
Supporting Estab	Fort Sill MARCORSYSCOM	(2) CWO (1) CWO	(1)SurvO,(1)Met/RDO (1) EXT	Fort Sill MARCORSYSCOM	(2) CWO (1) CWO	(1) SurvO/TIO/FTSO (1) RDO/MET (1) EXT	Total 0803-(3)
Current Totals-21				Proposed Active Component Totals-28			

3. **Net Changes to Structure**. This initiative will result in the following net changes (enclosure 1) to existing active component 0802 and 0803 structure:

-Convert 3 MEF 0802 billets to 0803

Subj: 0803 CAREER ASSIGNMENTS

-Convert 1 14th Mar SMCR billet to active
-Convert 3 Artillery Regiment 0802 billets to 0803

4. **Time-phased plan.** Enclosure (2) proposes a time-phased implementation plan. Until the successful fielding of key technology driven equipment occurs (e.g., towed artillery digitization) there remains a requirement for the Battalion Survey Officer to remain in the Artillery Battalion. Accordingly, the Artillery Operational Advisory Group (OAG) should determine when the Battalion Survey Officer would transition to the Target Information Officer/Fires Tactical Systems Survey Officer (TIO/FTSSO).

5. **MOS 0803 Seniority.** Enclosure (3) proposes a seniority structure.

Colonel H. T. GOBAR
CO 10th Marines

Colonel B. W . SAYLOR
CO 11th Marines

Lieutenant Colonel M. S. ALMQUIST
For CO 12TH Marines

Colonel P. C. RUDDER
CO 14th Marines

Colonel J. M. GARNER
CO Marine Artillery Detachment

Summary of Proposed Changes

Unit	Current billet	Proposed	Compensation	Notes
Bn	Survey Officer	TIO/FTSSO	N/A- TO line # change	Move to LN section
Regt	Met officer	FTSO	N/A- TO line # change	*12th Mar-billet is "C" coded (not manned)*
Regt	TIO 10th & 11th	TIO	0802 Capt billet line# 75	Remains in LN section
14th Mar	MET Officer	FTSO/ TIO for FAHQ	TO line # change	Convert SMCR billet to active
MEF	NA	TIO	0802 Capt/ Maj on MEF staff	Compensation must come from MEF

0803 TARGET ACQUISITION WARRANT OFFICER PHASE IN PLAN

TOTAL PER UNIT		BILLET	
FY02			
1 Per Arty Regt.	3	SurveyO	
1 Per Arty Regt.	2	MetO	(12th Mar. "C" Coded)
1 Per Arty Regt.	3	RadarO	
1 Per Arty BN.	10	SurveyO	
	2	Ft. Sill Instr.	Survey, Met/Radar
	1	MARCORSYSCOM	Project Officer
	21	Total	
FY03			
1 Per Arty Regt.	3	Survey/MetO	
1 Per Arty Regt.	2	Regt. FTSO	(12th Mar. "C" Coded)
1 Per Arty Regt.	3	RadarO	
1 Per Arty BN.	10	SurveyO	
	2	Ft. Sill Instr.	Survey, Met/Radar
	1	MARCORSYSCOM	Project Officer
	21	Total	
FY04			
1 Per Arty Regt.	3	Survey/MetO	
1 Per Arty Regt.	2	Regt. FTSO	(12th Mar. "C" Coded)
1 Per Arty Regt.	3	RadarO	
1 Per Div FSCC	3	TIO	
Res. Regt.	1	TIO/FTSO	
Arty BN.	10	SurveyO	
	2	Ft. Sill Instr.	Survey, Met/Radar
	1	MARCORSYSCOM	Project Officer
	25	Total	
FY05			
1 Per MEF	3	MEF TIO	
1 Per Arty Regt.	3	Survey/MetO	
1 Per Arty Regt.	2	Regt. FTSO	(12th Mar. "C" Coded)
1 Per Arty Regt.	3	RadarO	
1 Per Div FSCC	3	TIO	
Res. Regt.	1	TIO/FTSO	
Arty BN.	10	TIO/FTSSO	
	2	Ft. Sill Instr.	Tgting/Surv, Met/Radar
	1	MARCORSYSCOM	Project Officer
	28	Total	

PROPOSED STRUCTURE FOR MOS 0803

BILLET	W0/CWO2	CWO3	CWO4	CWO5		
MEF TIO		3				
DIV TIO		3				
REGT SURV/MET			4			
REGT FTSO	2					
REGT RADAR	3					
BN SURVO/TIO	10					
FT SILL		2				
MARCORSYSCOM				1		
TOTAL	15	8	4	1	=	28

UNITED STATES MARINE CORPS
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and
11th Marine Regiment, 1st Marine Division
PSC Box 555504
Camp Pendleton, CA 92055-5504
and
12th Marine Regiment, 3rd Marine Division
FPO AP CA 96602-8658
and
14th Marine Regiment, 4th Marine Division
NAS JRB FT.W, 4210 Hercules Rd
Fort Worth, TX 76127
and
Marine Corps Artillery Detachment
759 McNair Avenue
Fort Sill, OK 73503-5600

IN REPLY REFER TO:
JtRegO P3570.1B Ch 1
10TH Mar
11th Mar
12th Mar
14th Mar
MCAD
21 Jul 00

JOINT REGIMENTAL ORDER P3570.1B Ch 1

From: Commanding Officer, 10th Marine Regiment
Commanding Officer, 11th Marine Regiment
Commanding Officer, 12th Marine Regiment
Commanding Officer, 14th Marine Regiment
Commanding Officer, Marine Corps Artillery Detachment, Fort Sill, OK

To: Distribution List

Subj: MARINE CORPS ARTILLERY SAFETY STANDING OPERATING PROCEDURES (SHORT TITLE: MCASS)

Encl: (1) New Page insert to JtRegO P3570.1B

1. Purpose. To transmit new page insert and direct pen changes to the basic order.

2. Action. Remove present page and replace with corresponding page at the enclosure.

3. Summary of changes. This change pertains to the firing of M825 at high angle using certain propellants (Para. 6006.2).

4. Change Notation. Significant changes in the revised pages for this Change are denoted by an arrow (⇒)symbol.

5. Filing Instructions. This Change transmittal will be filed immediately following the signature page of the basic order.

6. Certification. Reviewed and approved this date.

Colonel H.T. GOBAR
CO 10th Marines

Colonel B.W. SAYLOR
CO 11th Marines

Lieutenant Colonel M.S. ALMQUIST
For CO 12th Marines

Colonel P.C. RUDDER
CO 14th Marines

Colonel J.M. GARNER
CO Marine Artillery Detachment

DISTRIBUTION: 10th Mar: A; 11th Mar: A; 12th Mar: A; 14th Mar: A

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CO, 7th Mar (1)
CO, 8th Mar (1)
CO, NAF, El Centro (1)
CO, 1st Bn, 10th Mar (5)
CO, 2nd Bn, 10th Mar (5)
CO, 3rd Bn, 10th Mar (5)
CO, 5th Bn, 10th Mar (5)
CO, 1st Bn, 11th Mar (5)
CO, 2nd Bn, 11th Mar (5)
CO, 3rd Bn, 11th Mar (5)
CO, 5th Bn, 11th Mar (5)
CO, 1st Bn, 12th Mar (5)
CO, 2nd Bn, 12th Mar (5)
CO, 1st Bn, 14th Mar (5)
CO, 2nd Bn, 14th Mar (5)
CO, 3rd Bn, 14th Mar (5)
CO, 4th Bn, 14th Mar (5)
CO, 5th Bn, 14th Mar (5)
OIC, Arty Demo Unit, Quantico, VA (1)
ARTYO, TTECG, 29 Palms, CA (5)
ATS, 10th Mar (5)
ATS, 11th Mar (5)
Regt SafetyO, 10th Mar (5)
Regt SafetyO, 11th Mar (5)
Regt SafetyO, 12th Mar (5)
Regt SafetyO, 14th Mar (5)

rocket-off mode. The cap is reverse threaded; i.e. left-hand; and has arrows which plainly show the correct direction for removal. Failure to remove this cap will prevent ignition of the rocket motor and cause the round to fall short.

2. The 155mm RAP, M549 and M549A1 projectile cannot be fired if the obturating band is missing or broken or if the howitzer tube wear exceeds 0.093 inches.

3. The M198 howitzer can fire the M549/M549A1 projectile using charge 7 M4A2 (WB), charge 8 M119A1 (WB), or charge 7 M119A2 (RB). Use of charge 8 M119 (WB) propelling charge is prohibited due to the possible failure of the rocket motor to ignite.

4. The M198 howitzer is authorized to fire the M549A1 projectile using the M203 charge. Use of the M203 propelling charge to fire the M549 RAP round is not authorized.

6006. SPECIAL AMMUNITION

1. DPICM FAMILY. All DPICM family projectiles (M483A1, M825, etc.) should be inspected to ensure the obturating band is present and in good condition prior to firing.

⇒ 2. M825. High angle fire of M825 projectiles is not authorized at quadrants above 950 mils with charge 8S M203/A1. Certain lots of M825 are restricted to firing at temperatures less than 110 degrees Fahrenheit.

3. M825A1. There are no USMC stocks of M825A1 projectiles. However, if USMC units encounter M825A1 during training with Army units, they should be aware that it has NONE of the restrictions affecting M825 (see note below). The M825A1 has a different FCI than M825, hence a different BCS mnemonic and different firing tables (the AN-2 GFT or FT ADD Q-0 (REV)w/CH 2 has M825A1 data).

NOTE: The only M825A1 that is authorized for all propellants currently in the USMC inventory are the ones featuring Alband manufactured smoke, canisters. These rounds can be easily identified by a 360 degree red band located on the ogive of the projectile.

6007. OVERHEAD FIRE. When firing overhead of troops, only ammunition lots specifically cleared for overhead fire may be used. Lots not cleared for overhead fire will be identified and segregated (or not distributed). Improved Conventional Munitions (1CM) projectiles will not be fired over the heads of troops during training exercises. RAP lots that are cleared for overhead fire may be fired overhead of troops during training exercises ONLY WHEN APPROVED BY THE COMMANDING GENERAL.

6008. TRANSPORTATION OF AMMUNITION. Supervisory personnel must be familiar with references (c), (g) and applicable Division Order(s). Transportation of ammunition will be conducted in accordance with Appendix E of this SOP.

6009. AMMUNITION TEMPERATURE LIMITS. Artillery ammunition will function safely within the temperature limits prescribed in TM
43-0001-28. When firing at extreme temperatures, below -30 degrees F or above 125 degrees F, check the applicable TM for restrictions.

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Spears, B.R.	Bill	SSgt	Troop Handler	5615	
Prescott, R.E.	Ron	Sgt	Troop Handler	5615	

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Oubre, V.F.	Vernon	GySgt	Instructor	5595/6811
Scott, T.R.	Tony	GySgt	Instructor	5595/6811
Whittington, R.L.	Ronald	GySgt	Instructor	5595/6811
Walton, F. L.	Fitzgerald	GySgt	Instructor	5595/6811
Banning, W. R.	William	SSgt	Instructor	5595/6811
Benjamin, M.	Michael	SSgt	Instructor	5595/6811
Buckles, L.	LaVance	SSgt	Instructor	5595/6811
Greene, R.J.	Rex	SSgt	Instructor	5595/6811
Maldonado R.J.	Randy	SSgt	Instructor	5595/6811
Wilson, D.L.	Danny	SSgt	Instructor	5595/6811

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"Hail and Farewell"

NEW ARRIVALS:

Capt Buttram, R.P.	(0802)	Jul 00
1st Lt Scott, W.	(0802)	Jul 00
1st Lt Waltrip, W.J.	(0802)	Jul 00
SgtMaj R.L. Arndt	(9999)	Jun 00

RECENT TRANSFERS:

LtCol Beck, P.W.	(0802)	Jul 00	(Ret)
Maj Sides, C.L.	(0802)	Aug 00	
Capt Charney, S.S.	(0802)	Jul 00	
Capt Garcia, A. Jr.	(0802)	Jul 00	
Capt Rayfield, W.P.	(0802)	Jul 00	
SgtMaj Huffmaster, D.	(9999)	Jun 00	
MSgt Kollar, G	(0848)	Jul 00	(Ret)
MSgt Lemke, B.M.	(0861)	Aug 00	
GySgt Buchanan, D. Jr.	(0811)	Jul 00	
SSgt Thompson, J.A.	(0848)	Aug 00	
SSgt Williams, J.A.	(0811)	Aug 00	
Cpl Kemppainen, B.	(0121)	Aug 00	

PROJECTED INBOUNDS:

Maj Aeschbach, R.H.	(0802)	Sept 00
Capt Rogers	(0402)	Sept 00
Capt Slinger	(0802)	Dec 00
1st Lt Chartier	(0802)	Aug 00
1st Lt Stout	(0802)	Dec 00
1st Lt Skuse	(0802)	Dec 00
MgySgt Young, S., Jr.	(0811)	Sep 00
MSgt Auble, R.E.	(0848)	Oct 00
MSgt Heinz, R.L.	(0848)	Aug 00
GySgt Wilson, K.A.	(0848)	Sep 00
GySgt Winslow, A.R.	(0848)	July 00
SSgt Burton, C.F.	(0861)	Nov 00
SSgt Guillory, L. III	(0811)	Aug 00
SSgt Heylin, P.J. Jr.	(0811)	Aug 00
SSgt Rancourt, J.L.	(2889)	Nov 00
Sgt Holt, M.D.	(2887)	Aug 00
Sgt Harris, J.J., Jr.	(0842)	Oct 00
LCpl Rish, S.W.	(0121)	Aug 00