

DIRECTORATE OF TARGET AND ARMAMENT DEVELOPMENT

Aeronautical Systems Division

AIR FORCE SYSTEMS COMMAND
 UNITED STATES AIR FORCE
 EGLIN AIR FORCE BASE, FLORIDA

JUN - 7 1962

REPLY TO
ATTN. OF:

ASQWW/CAPT VARIOUS/67-3282

SUBJECT:

MINUTES OF AIR FORCE-ARMY ORDNANCE GUN AMMUNITION MEETING
 AT EGLIN AFB, FLORIDA, 22-23 MAY 1962

TO:

GOAMA (OOYEC)
 HILL AFB, UTAH

ORDNANCE WEAPON COMMAND
 (ORDOW/TU/BR. AMERNS)
 ROCK ISLAND, ILLINOIS

WRAMA (NER)
 ROBINS AFB, GEORGIA

LAKE CITY ORDNANCE PLANT
 (ORDCM-1E)
 INDEPENDENCE, MISSOURI

APGC (PGRN)
 EGLIN AFB, FLORIDA

FRANKFORD ARSENAL
 (ORDBA-1331/ORDBA-1920)
 PHILADELPHIA, PENNSYLVANIA

ABERDEEN PROVING GROUND
 (ORDSS-DF-T1)
 ABERDEEN, MARYLAND

PICATINNY ARSENAL (ORDSS-DCI)
 DOVER, NEW JERSEY

FORWARDED FOR YOUR INFORMATION IS A COPY OF THE MINUTES OF
 THE AIR FORCE-ARMY ORDNANCE GUN AMMUNITION MEETING HELD AT
 EGLIN AIR FORCE BASE, FLORIDA, 22-23 MAY 1962.

FOR THE DIRECTOR

for *Harry V. Dillon*
 GEORGE S. BOWMAN, JR
 LT COLONEL, USAF
 ACTING CHIEF, WEAPONS LABORATORY

1 ATCH
 MINUTES

M I N U T E S

AIR FORCE-ARMY ORDNANCE GUN AMMUNITION MEETING

AT EGLIN AFB, FLORIDA

22-23 MAY 1962

ATTENDEES

<u>NAME</u>	<u>ORG</u>	<u>SYMBOL</u>	<u>OFFICE PHONE</u>
W. S. AUMEN, JR.	DET 4, ASD	ASQBW	67-1449
JOHN L. BROOK, JR.	BRAMA	NER	WA 6-3357
T. G. CIGGONE	FRANKFORD ARSENAL	ORDBA-1335	JE 52900 - 21245
A. R. HANKINS	ABERDEEN PG	ORDBG-DP-T1	OR 24000 - 42228
G. L. HOPKINS, JR.	PICATINNY ARSENAL	ORDBB-DC1	FO 1-2100 - 72132
D. H. JENSEN	ODAMA	OOYEC	TA 51641 Ex 442
W. E. LEVY	FRANKFORD ARSENAL	ORDBA-1331	JE 52900 - 22247
J. A. MCKIMNEY	DET 4, ASD	ASQBW	67-3282
P. W. MYERS	Hq AFPC, EOLIN AFB	PGSR	67-2069
R. G. OGDHILL	FRANKFORD ARSENAL	ORDBA-1920	JE 52900 - 6105
D. L. STONGER	IED - LOOP	ORDCN-IE-PE	SY 36900 Ex 60
V. R. THOMPSON	IED - LOOP	ORDCN-IE-2	SY 36900 Ex 35
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W. F. WEIS	FRANKFORD ARSENAL	ORDBA-1920	JE 52900 - 4233
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AGENDA

1. AR-15 RIFLE AND AMMUNITION
2. 20MM HANGFIRES
3. LINKS FOR 20MM AMMUNITION FOR M51 GUN
4. BALLISTIC COEFFICIENT OF 20MM AMMUNITION
5. 20MM PRODUCT IMPROVEMENT PROGRAMS
6. AMMUNITION AND GUN R&D
7. GENERAL DISCUSSION

MINUTES OF THE AIR FORCE-ORDNANCE GUN AMMUNITION MEETING HELD
AT EGLIN AIR FORCE BASE 22-23 MAY 1962

1. AR-15 RIFLE AND AMMUNITION:

A. DISCUSSION:

(1) COAMA PRESENTED THE PROPOSED AIR FORCE PROGRAM FOR OBTAINING A MILITARY CARTRIDGE, CALIBER 22, TO SUPPORT THE AR-15 RIFLE AND THE GAU-2/A AIRCRAFT GUN. THIS WAS DIRECTED TO THE ORDNANCE CORPS REPRESENTATIVES, AS TO WHETHER THE ORDNANCE CORPS WOULD SUPPORT THE AIR FORCE IN PROCUREMENT OF THIS ROUND. IT WAS REALIZED THAT NO FURTHER DECISION COULD BE MADE. HOWEVER, IT WAS FELT THAT THE ORDNANCE CORPS REPRESENTATIVES SHOULD BE MADE AWARE OF THE AIR FORCE REQUIREMENTS. COAMA PROPOSED ESTABLISHMENT OF AN ORDNANCE OWNED PRODUCTION FACILITY STRICTLY AS A MOBILIZATION BASE FOR PRODUCTION OF THIS CARTRIDGE.

(2) THE POLICY OF THE ORDNANCE CORPS WAS CITED TO THE AIR FORCE IN TELETYPE ORS 7588, 11 MAY 1962, FROM CHIEF OF ORDNANCE, DEPARTMENT OF THE ARMY, BY DR. F. CARTER. FRANKFORD ARSENAL WILL COOPERATE WHEREVER IT CAN, WITHIN THE TIME FRAME DESIRED BY THE AIR FORCE, PROVIDED THE ACTION MEETS WITH OCO APPROVAL AND FALLS WITHIN A REALISTIC APPROACH AS DETERMINED BY FRANKFORD ARSENAL. THE TELETYPE IS QUOTED FOR INFORMATION:

"1. REFERENCE ODC TT 23193. SINCE USAF REFUSED TO PROVIDE DEFINITE MILITARY CHARACTERISTICS FOR GUN POB SYSTEM, ORDNANCE CORPS COULD NOT ACCEPT RESPONSIBILITY FOR EXECUTION OF PURCHASE REQUEST. THE PURCHASE REQUEST SPECIFIED A ROUND OF AMMO WHICH WAS FOUND IN ARMY TESTS TO BE UNSUITABLE FOR MILITARY USE. FURTHER, ORDNANCE IS OPPOSED TO THE INTRODUCTION OF A NEW ROUND INTO THE SUPPLY SYSTEM UNLESS FULLY JUSTIFIED TECHNICALLY AND LOGISTICALLY.

2. AIR FORCE ON THE OTHER HAND IS PRESSING FOR ADOPTION OF CALIBER 22 AR-15 RIFLE. FOR THIS REASON, AIR FORCE SPECIFIED A COMMERCIAL ROUND OF AMMO IN PURCHASE REQUEST RATHER THAN MILITARY PERFORMANCE CHARACTERISTICS, THEREBY SERIOUSLY RESTRICTING DEVELOPER.

3. USAF IS AWARE OF DRL STUDIES CONCERNING A SIMILAR WEAPON SYSTEM FOR ARMY HELICOPTERS. ORDNANCE INTEREST IN THIS USAF PROJECT SHOULD BE LIMITED TO PROVIDING USAF WITH TECHNICAL INFORMATION AS REQUESTED."

B. ACTION:

COAMA WILL WRITE A LETTER THROUGH OSWAC TO OCO ASKING IF THE ORDNANCE CORPS WILL SUPPORT THE AIR FORCE IN ENGINEERING, PRODUCTION, AND PROCUREMENT OF THIS ROUND. THIS LETTER WILL INCLUDE AS ATTACHMENTS ALL AVAILABLE COMMERCIAL DRAWINGS AND SPECIFICATIONS, A USAF PROPOSED MILITARY SPECIFICATION, REQUIRED MILITARY CHARACTERISTICS, AND ANY ADDITIONAL PERTINENT INFORMATION AVAILABLE AT THIS TIME.

2. 208N HANDFIRES:

A. DISCUSSION:

A DISCUSSION WAS HELD RELATIVE TO 208N HANDFIRES IN THE M-61 GUN INSTALLATIONS. A REVIEW WAS MADE TO PREVIOUS WORK IN INVESTIGATING POSSIBLE CAUSES FOR HANDFIRES. ALTHOUGH NO SPECIFIC CAUSE COULD BE DETERMINED, SEVERAL POSSIBILITIES OR COMBINATIONS HAVE BEEN FOUND. MEANS OF INCORPORATING PREVENTIVE MEASURES INTO PRODUCTION AMMUNITION WERE DISCUSSED. A PROPOSED PROGRAM WAS ALSO DISCUSSED WHICH COULD PROVIDE A MEANS FOR RAPID INVESTIGATION OF HANDFIRE INCIDENTS OCCURRING IN THE FIELD.

C. ACTION:

(1) LAKE CITY ORDNANCE PLANT: CORRECTIVE REQUIREMENTS CONTAINED IN FRANKFORD ARSENAL'S FINAL REPORT ON HANDFIRE INVESTIGATIONS WILL BE INCORPORATED INTO SPECIFICATIONS BY LAKE CITY ORDNANCE PLANT. LAKE CITY ORDNANCE PLANT IS CONTINUING PROCESS STUDIES TO DETERMINE POSSIBLE AREAS OF CONTAMINATION IN THE PRIMER PROPELLANT PRODUCTION, AND IF FOUND, CORRECTIVE MEASURES WILL BE TAKEN IMMEDIATELY.

(2) WRAMA: WRAMA WILL LOOK INTO THE FEASIBILITY OF PREPARING A TECHNICAL ORDER ON GUN MALFUNCTIONS TO FACILITATE THE MOST EXPEDITIOUS MANNER OF INVESTIGATING AND INITIATING CORRECTIVE MEASURES. ORDNANCE CORPS WILL ASSIST WRAMA IN PREPARING DATA FOR THIS TECHNICAL ORDER.

(3) WRAMA & COAMA: WRAMA AND COAMA WILL DETERMINE MEANS OF PROVIDING ORDNANCE FACILITIES WITH FUNDS TO ASSIST IN THE HANDFIRE PROGRAM. IF IT IS DETERMINED THAT A TECHNICAL ORDER IS NOT FEASIBLE, OTHER MEANS OF ACCOMPLISHING THE OBJECTIVE WILL BE DETERMINED.

(4) COAMA: COAMA WILL INITIATE A STUDY TO DETERMINE THE DYNAMIC DETONATOR SAFETY CHARACTERISTICS OF THE NEI CARTRIDGE IN A HANDFIRE SITUATION. ORDNANCE CORPS ASSISTANCE WILL BE REQUIRED AND FUNDED, AS APPROPRIATE. THE OBJECTIVE IS TO DETERMINE THE OVERALL PROBABILITY OF NEI FUNCTION IN THE EVENT OF A HANDFIRE. A SIMILAR INVESTIGATION WILL ALSO BE MADE WITH THE API CARTRIDGE.

3. LINKS FOR 20MM AMMUNITION FOR THE M61 GUN:

A. M17 LINK:

(1) DISCUSSION:

A GENERAL DISCUSSION WAS HELD CONCERNING LINKS FOR 20MM AMMUNITION FOR THE M61 GUN. TWO DEFICIENCIES IN THE AIR FORCE M17 LINK FOR 20MM AMMUNITION ARE ITS INABILITY TO HOLD THE CARTRIDGE-LINK TOLERANCE AS REQUIRED FOR CHUTE COMPATIBILITY IN THE B-58 SYSTEM AND THE REQUIREMENTS FOR A DRY LUBRICANT FOR THE M17 LINK. COAMA IS PREDICATING FUTURE PROCUREMENT UPON THE SUCCESSFUL DEVELOPMENT OF THE ONE-PIECE M17 LINK AND THE APPLICATION OF A SUITABLE LUBRICANT TO THIS LINK. ORDNANCE CORPS PRESENTED TWO PROPOSALS TO UTILIZE THE PRESENT DESIGNED M17 LINK AS AN INTERIM MEASURE, PENDING DEVELOPMENT OF THE ONE-PIECE M17. THESE PROPOSALS REQUIRE OBLIGATION OF CERTAIN AIR FORCE ASSETS. THEREFORE, A DECISION MUST AWAIT ACTION FROM COAMA. CURRENT TESTS OF DRY LUBRICANT FOR THE M17 AT CARSWELL AIR FORCE BASE INDICATE THAT THE BUTON FINISH IS SUPERIOR TO THE OTHER FINISHES BEING TESTED. THESE TESTS ARE NOT COMPLETE AND, THEREFORE, NO DEFINITE CONCLUSION CAN BE MADE AT THIS TIME. THE BUTON FINISH, AS APPLIED TO THE M17 LINK BY SPRINGFIELD ARMORY, DOES NOT EXHIBIT THE LUBRICANT QUALITIES WE HAD EXPECTED BECAUSE OF PRODUCTION PROCESSING PROBLEMS. LAKE CITY ORDNANCE PLANT INDICATED THAT THEY COULD HAVE A RETROFIT PROGRAM AVAILABLE FOR EXISTING LINKS IN FOUR TO SIX WEEKS.

(2) ACTION:

(A) ORDNANCE CORPS: THE ORDNANCE CORPS WILL PURSUE A PROGRAM TO PROVIDE TEST QUANTITIES OF MODIFIED LINKS PREDICATED UPON RECEIPT OF AIR FORCE ASSETS.

(B) COAMA: COAMA WILL DETERMINE IF THE AIR FORCE CAN RELEASE THE AMMUNITION AND LINKS TO THE ORDNANCE CORPS FOR MODIFICATION AND TESTING. COAMA WILL ARRANGE FOR TESTS OF THE MODIFIED LINKS IN THE B-58 AIRCRAFT.

B. M14 LINK:

DISCUSSION:

THE M14 LINK WHEN USED WITH THE LINKLESS FEED SYSTEM IN THE F-105D DAMAGES THE AMMUNITION TO AN EXTENT THAT IT IS UNSAFE TO USE IN THE F-105D MORE THAN ONCE. THE AIR FORCE IS CONSIDERING DEVELOPMENT OF A LOWER GRIPPING FORCE LINK, WHICH WILL NOT DAMAGE THE AMMUNITION, FOR USE WITH THE F-105D SYSTEM. THIS LOWER GRIPPING FORCE LINK MUST BE COMPATIBLE WITH THE PRESENT LOADING EQUIPMENT FOR THE F-105D BUT MUST BE READILY DISTINGUISHED SO THAT IT IS NOT USED IN AIRCRAFT WHICH USE THE M14 LINK, SUCH AS THE F-104.

4. 30MM BALLISTIC COEFFICIENT:

DISCUSSION:

IN VIEW OF RECENT PRODUCTION ENGINEERING CHANGES FROM THE M56A1 TO THE A2 AND A3, M51 CARTRIDGE, BALLISTIC TESTING HAS REVEALED A DISCREPANCY BETWEEN THE BALLISTIC COEFFICIENT OBTAINED THROUGH TESTING AS COMPARED TO THAT PREVIOUSLY CALCULATED UNDER THEORETICAL STUDIES. A RECENT SURVEY, IN THE FORM OF A TRIP BY PERSONNEL FROM THE AIR PROVING GROUND CENTER AND THE UNIVERSITY OF TEXAS TO LAKE CITY ORDNANCE PLANT, ORL AT ABERDEEN PROVING GROUND, AND EMERSON ELECTRIC, WAS PERFORMED TO GATHER DATA. THE DATA OBTAINED ON THIS TRIP WAS DISCUSSED SO THAT THE ORDNANCE CORPS AND AIR FORCE AGENCIES WOULD BE COGNIZANT OF THE PROBLEM. NO FURTHER ACTION WAS ASSIGNED AT THIS MEETING SINCE ANOTHER MEETING AT ASD IS ANTICIPATED IN THE NEAR FUTURE, AT WHICH TIME A FIRM PROGRAM WILL BE FORMULATED. ALL COGNIZANT AGENCIES WILL BE INFORMED OF THE TIME AND DATE OF THE MEETING AND ANY INFORMATION AVAILABLE RELATIVE TO THIS PROBLEM SHOULD BE PRESENTED AT THIS MEETING.

5. 30MM PRODUCT IMPROVEMENT:

A. DISCUSSION:

A GENERAL DISCUSSION WAS HELD ON THE M50 SERIES AMMUNITION FOR THE M51 GUN AND THE M50 SERIES FOR THE M24 GUN. THE M51 BUNNY CARTRIDGE WAS CONSIDERED TO BE SATISFACTORY FROM A USER'S STANDPOINT AND PRODUCT IMPROVEMENT, WHICH INCLUDED THE PROCESS OF WELDING THE PROJECTILE TO THE CARTRIDGE CASE, REMAINS TO BE EVALUATED. THERE HAVE BEEN SOME REPORTED PROBLEMS WITH THE BRASS PLUG IN THE REAR OF THE CARTRIDGE CASE AND THIS WILL BE INVESTIGATED. AT THE PRESENT TIME THERE ARE NO REQUIREMENTS IN THE AIR FORCE FOR THE M52 API CARTRIDGE. THE AMMUNITION EQUIPMENT ADVISORY GROUP WILL BE REQUESTED TO DETERMINE IF FUTURE REQUIREMENTS FOR THIS ROUND MAY EXIST BECAUSE APPROXIMATELY ONE YEAR OF PRODUCTION ENGINEERING MUST BE ACCOMPLISHED BEFORE THE ROUND CAN BE PROCURED. THE M53 API CARTRIDGE DOES NOT MEET THE REQUIREMENTS FOR AN ARMOR PIERCING ROUND IN GROUND SUPPORT AGAINST ARMORED VEHICLES. THE USING COMMANDS SHOULD BE ADVISED OF THE LIMITATIONS OF THIS ROUND, AND THEY SHOULD ALSO BE ADVISED ON THE METHOD OF DISTRIBUTION, WHICH DOES NOT PERMIT SELECTIVE BELTING IN A RATIO OF 1 TO 5 IN ONE AMMUNITION BELT. IMPROVEMENT IN THE INCENDIARY WILL BE IN ORDER. THERE WILL BE NO ACTION ON THE M54 IPT CARTRIDGE SINCE

IT HAS PROVED SATISFACTORY FOR ITS INTENDED PURPOSE. THERE ARE SEVERAL PRODUCT IMPROVEMENT PROJECTS ON THE #55 TARGET PRACTICE CARTRIDGE. FUNDING OF A TEST SAMPLE OF ONE-PIECE #55⁰⁴ PROJECTILE WAS RECENTLY BEEN ACCOMPLISHED. LAKE CITY ORDNANCE PLANT HAS PROPOSED A MODIFIED TP PROJECTILE WHICH COULD ESSENTIALLY LEAD INTO AN UNIVERSAL SHELL BODY FOR THE ENTIRE #50 SERIES OF CARTRIDGES. THIS IS A TWO-PIECE PROJECTILE WITH A BASE PLUG. LAKE CITY ORDNANCE PLANT IS ALSO MODIFYING THE TP PROJECTILE TO PROVIDE A SMOKE TRAILING HOOK FOR USE IN COMBAT TESTS. THIS PRINCIPLE MAY HAVE FURTHER APPLICATION IN NON MOUNTED GUNS. SEVERAL IMPROVEMENTS WERE PROPOSED FOR THE #56 SERIES CARTRIDGES. FRENKFORF ARMOIAL SUGGESTED EVALUATION OF ROLLED BALL PROPELLANT. THERE WERE SEVERAL STUDIES RECOMMENDED BEFORE ADOPTION OF THIS PROPELLANT. COMBAT HAS PROGRAMMED FUNDING OF PROJECTILES TO DIRECT CHANGE THE ROTARY BALL, IMPROVE THE INCENDIARY MIXTURE, AND EXTEND THE BURNING DELAY TIME. LAKE CITY ORDNANCE PLANT HAS INITIATED PROJECTS FOR SECURING ROTATING BANDS BY A NEW METHOD, DETECTING OF FLAME BY AN EDDY CURRENT METHOD, AND INSTALLING A PROTOTYPE HYDRAULIC CRIMPER IN THE PROJECTILE ASSEMBLY LINE. ABERDEEN PROVING GROUND WILL CONDUCT FUSE PERFORMANCE TESTS AT 15⁰⁰ YARDS ON THE #50563 FUSE DURING THE WEEK OF 28 MAY. PRODUCT IMPROVEMENT FOR THE #99 SERIES AMMUNITION CURRENTLY CONSISTS OF INVESTIGATION OF #8975 PROPELLANT AS AN ALTERNATE AND INVESTIGATION OF AN IMPROVED LUBRICANT ON THE CARTRIDGE CASE. THE PRODUCT IMPROVEMENTS PROPOSED FOR THE #56 SERIES CARTRIDGE ARE ALSO PROPOSED FOR THE #97 SERIES CARTRIDGE. COMBAT EXPERIENCED A SPONTANEOUS FUNCTIONING IN AERIAL ACCEPTANCE TESTING. THIS WAS ATTRIBUTED TO LACK OF QUALITY CONTROL SINCE ALL OF THESE BOUNDS HAD BEEN X-MAYED AND MANY OTHER DEFECTS WERE NOTED. DUE TO THE LATE ARRIVAL OF TEST SAMPLES AT COMBAT, THE AIR FORCE WAS NOT ABLE TO ALERT THE ORDNANCE CORPS TO THESE PROBLEMS UNTIL A CONSIDERABLE QUANTITY OF AMMUNITION HAD BEEN PRODUCED. EXPEDITIOUS ACTION SHOULD BE TAKEN TO ASSURE THAT THE AIR FORCE SAMPLES ARE SHIPPED IMMEDIATELY UPON SELECTION, IN ORDER FOR THE AIR FORCE TESTS TO BE EFFECTIVE IN ASSISTING THE ORDNANCE CORPS IN ITS QUALITY ASSURANCE PROGRAM. ROLLED BALL POWDER WAS DISCUSSED FOR POSSIBLE USE IN #50 SERIES. TECHNICAL PERSONNEL FAMILIAR WITH THE CHARACTERISTICS OF THIS POWDER UNANIMOUSLY AGREED THAT IT WOULD BE BENEFICIAL IN ITS USE.

B. ACTION:

COMBAT WILL EVALUATE THE #51A1 DUMMY FOR SERVICE LIFE AND ACCEPTABILITY OF THE WELDING PROCESS DURING THE WEEK OF 4 JUNE 1962 AT HELLIS AIR FORCE BASE. COMBAT ALSO WILL PREPARE

AN ITEM FOR THE AMMUNITION ADVISORY GROUP MEETING, EXPLAINING THE LIMITATIONS OF THE M52 AND M53 SERIES AMMUNITION AND REQUESTING FURTHER GUIDANCE FROM THAT GROUP. COAMA WILL QUERY WALKER ROBINS AIR FORCE BASE CONCERNING THE DESIRABILITY OF UTILIZING ROLLED BALL PROPELLANT. WALKER ROBINS WILL EVALUATE THE INFORMATION AND PROVIDE COAMA WITH ITS DESIRES REGARDING INCORPORATION OF THIS PROPELLANT IN FUTURE PRODUCTION.

6. AMMUNITION AND GUN R&D

A. DISCUSSION:

(1) A DISCUSSION WAS HELD ON DEVELOPMENT OF GUN PODS AND THE EFFECT OF THIS DEVELOPMENT ON FUTURE AMMUNITION REQUIREMENTS. THREE DIFFERENT PODS WERE DISCUSSED. ONE POD WAS THE SUU-11/A, GATLING GUN VERSION FIRING .223 CALIBER AMMUNITION. THE SECOND POD CONTAINS THE M3 CALIBER .50 MACHINE GUN. THE THIRD POD CONTAINS THE M51 GUN WITH A MODIFIED VERSION OF THE LINKLESS FEED SYSTEM. THE INTRODUCTION OF THESE GUN PODS INTO THE INVENTORY WILL AFFECT ENGINEERING AND PROCUREMENT OF AMMUNITION TO SUPPORT THESE ITEMS.

(2) ALSO A DISCUSSION WAS HELD ON POSSIBLE FUTURE DEVELOPMENT WHICH MAY BE UNDERTAKEN IF APPROVAL FROM HIGHER AUTHORITIES IS OBTAINED. THESE PROJECTS WERE CLASSIFIED AND WILL NOT BE COVERED IN THESE MINUTES.

B. ACTION:

(1) FRANKFORD ARSENAL WILL SUBMIT A PROPOSAL TO DETACHMENT 4 FOR AN IMPROVED ARMOR PIERCING PROJECTILE. WHEN RECEIVED BY DETACHMENT 4, THIS PROPOSAL WILL BE EVALUATED, AND BASED ON THE EVALUATION, DETACHMENT 4 WILL TAKE NECESSARY FURTHER ACTION.

(2) DETACHMENT 4 WILL QUERY COAMA ON AVAILABLE STOCKS OF .50 CALIBER AMMUNITION TO SUPPORT THE .50 CALIBER GUN POD. COAMA WILL BE ADVISED OF ANY REQUIREMENTS FOR AMMUNITION FOR WHICH SUFFICIENT STOCKS DO NOT EXIST. DETACHMENT 4 WILL MAKE EVERY EFFORT TO ASSURE THAT THE LINK FOR DELIVERY OF 20MM AMMUNITION TO THE 20MM POD IS COMPATIBLE WITH AND INTERCHANGEABLE WITH THE LINK PROPOSED FOR DEVELOPMENT TO SUPPORT THE F-105D AIRCRAFT.

7. GENERAL DISCUSSION:

COAMA RECOGNIZES THE NEED FOR A SYSTEMS PROJECT OFFICE TO COORDINATE ENGINEERING ACTIONS IN THE JORN AREA. SINCE THERE IS NO OFFICE SPECIFICALLY SET UP TO DO THIS, THEY WILL CONDUCT PERIODICAL JORN ENGINEERING MEETINGS SIMILAR TO THIS ONE TO ASSURE A COORDINATED PROGRAM. THIS GROUP GENERALLY WILL MEET WHEN SUFFICIENT AGENDA ITEMS ARE GENERATED AND JUST PRIOR TO AN AMMUNITION EQUIPMENT ADVISORY GROUP MEETING TO ARRIVE AT AND PRESENT A CONSOLIDATED PROGRAM TO THAT GROUP FROM THE ENGINEERING STANDPOINT. COAMA WILL CONSIDER ANY CHANGES TO AMMUNITION AS PRODUCT IMPROVEMENT AS LONG AS THE FORM FIT AND FUNCTION (MILITARY CAPABILITY) ARE NOT ALTERED. THE MILITARY CHARACTERISTICS WILL NOT BE CHANGED. REQUIREMENTS FOR AMMUNITION WITH NEW MILITARY CHARACTERISTICS WILL BE CONSIDERED R&D AND WILL BE REFERRED TO ASD. THE AIR FORCE HAS RECENTLY COMPRESSED THE TIME SCHEDULE BETWEEN CONCEPTION OF IDEA AND IMPLEMENTATION IN THE USMC COMMANDS. THIS TIME SCHEDULE IS OFTEN LESS THAN TWENTY-FOUR (24) MONTHS. IT IS RECOMMENDED THAT THE ORDNANCE CORPS REVISE ITS FUNDING PROCEDURES TO ASSURE THAT WORK CAN BEGIN UPON A REQUIREMENT IMMEDIATELY UPON ITS INCEPTION WITHOUT THE INEVITABLE SIX-MONTH DELAY NOW ENCOUNTERED IN THE TRANSFER OF AIR FORCE FUNDS TO THE ORDNANCE CORPS. THE ORDNANCE CORPS REITERATED ITS NEED FOR A TABLE OF FUTURE AMMUNITION REQUIREMENTS SIMILAR TO THE FIVE-YEAR CONTROLLED PLAN AND WAS ADVISED THAT THIS NEED WAS RECOGNIZED AT SOME LEVELS BUT HAD NOT YET BEEN RECTIFIED. THE ORDNANCE CORPS WAS INVITED TO SUBMIT THIS PROBLEM AS AN ITEM TO THE AMMUNITION EQUIPMENT ADVISORY GROUP. BASED UPON THE FIVE-YEAR PLAN THE ORDNANCE CORPS SHOULD BE PREPARED WITH ENGINEERING DOCUMENTS AND MOBILIZATION BASE PROCEDURES IN THE EVENT OF AN ALL-OUT CONFLICT. ANY ITEMS FOR FUTURE AGENDAS SHOULD BE FORWARDED TO COAMA (COVEC), HILL AIR FORCE BASE, UTAH. IT WAS MUTUALLY AGREED BY AGENCIES ATTENDING THAT THEY HAD BENEFITED FROM THIS MEETING AND HAVE A NEED FOR CLOSE COORDINATION OF THIS NATURE IN VIEW OF THE RAPID CHANGING REQUIREMENTS AND THE VERY SHORT TIME SCHEDULE FOR COMPLETION OF THESE REQUIREMENTS.

DET 4, ASD (ASQWW)
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EGLIN AFB, FLA.

UNITED STATES AIR FORCE
OFFICIAL BUSINESS

POSTAGE AND FEES PAID

ABERDEEN PROVING GROUND
(ORDBG-DP-TI)
ABERDEEN, MARYLAND