

//UNCLASSIFIED//
071708Z Oct 15
FROM CDR USAJMC ROCK ISL IL//AMSJM-QAS//
740 (A)

SUBJECT: AMMUNITION INFORMATION NOTICE (AIN) 003-16, FIRING AND MAINTENANCE PROCEDURES FOR PROJECTILE, 155MM, M1122, HE (HIGH EXPLOSIVE) (1320-DA51)

1. AIN 002-16 WAS TRANSMITTED ON 051340Z Oct 15

2. THIS AIN SUPERSEDES AIN 072-15. REISSUE WAS DONE TO ADD INFORMATION ON ADVANCED FIELD ARTILLERY TACTICAL DATA SYSTEM (AFATDS) (SEE PARA 9) AND TO UPDATE THE REFERENCES AND POC INFORMATION.

3. DODIC: DA51

4. REFERENCES:

A. TM 9-1025-211-10, OPERATOR'S MANUAL FOR HOWITZER, MEDIUM, TOWED: 155MM, M198, 15 DEC 2003 W/CHANGES.

B. TM 9-2350-314-10, OPERATOR'S MANUAL FOR HOWITZER, MEDIUM, SELF-PROPELLED: 155MM, M109A6, 30 MAY 2014 W/CHANGES.

C. TM 9-1300-251-20&P, MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS) UNIT ARTILLERY AMMUNITION FOR GUNS, HOWITZERS, MORTARS, RECOILLESS RIFLES, AND 40MM GRENADE LAUNCHERS, 06 JUNE 2014 W/CHANGES.

D. TM 9-1300-251-34&P, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST) FOR ARTILLERY AMMUNITION FOR GUNS, HOWITZERS, MORTARS, RECOILLESS RIFLES AND 40MM GRENADE LAUNCHERS, 06 JUNE 2014 W/CHANGES.

E. TM 43-0001-28, ARMY AMMUNITION DATA SHEETS FOR ARTILLERY AMMUNITION GUNS, HOWITZERS, MORTARS, RECOILLESS RIFLES, GRENADE LAUNCHERS, AND ARTILLERY FUZES (FSC 1310, 1315, 1320, 1390), 20 MAY 2015 W/CHANGES.

F. TM 9-1025-215-10, OPERATOR'S MANUAL FOR HOWITZER, MEDIUM, TOWED: 155MM, M777A2, 30 NOVEMBER 2014 W/CHANGES.

5. REQUEST DISSEMINATION OF THIS AIN TO ALL 155MM ARTILLERY USING UNITS, RANGE SAFETY OFFICERS, AMMUNITION SURVEILLANCE (QASAS) AND AMMUNITION SUPPLY POINT (ASP) PERSONNEL.

6. THE SUBJECT ITEM IS NEW TO THE ARMY STOCKPILE. FIRING AND MAINTENANCE PROCEDURES FOR THE DA51 (M1122) ARE TYPICAL TO THAT OF THE CURRENTLY FIELDDED 155MM HE PROJECTILES. FOLLOW CURRENTLY WRITTEN PROCEDURES ACCORDINGLY.

7. REFERENCES A THROUGH D WILL BE UPDATED TO REFLECT INFORMATION FOR THIS NEW ROUND. SEE ATTACHED DATA SHEET AIN003-16A FOR THIS AIN WHEN USING SUBJECT ITEM.

8. UNITS ARE NOT TO FIRE USING CURRENT AFATDS (VERSION 6.7 OR 6.8) AND COMPUTER FIRE CONTROL BALLISTIC SOFTWARE. IN ORDER TO FIRE DA51 (M1122) ACCURATELY, USE EXISTING D529 (M795) BALLISTIC SOLUTION AND APPLY SIMPLE CORRECTIONS FOR MUZZLE VELOCITY, AIR DENSITY AND DRIFT. SEE ATTACHMENT AIN003-16B WITH EXAMPLE FOR THESE CORRECTIONS.

9. UNITS MAY FIRE ACCURATELY USING CURRENT ADVANCED FIELD ARTILLERY TACTICAL DATA SYSTEM (AFATDS) (VERSION 6.8.0.1) AND COMPUTER FIRE CONTROL BALLISTIC SOFTWARE IN ORDER TO FIRE DA51 (M1122).

10. THE POC FOR CONTENT IS LEYO ALAVA, RDAR-EIL-LA, DSN 880-3670, E-MAIL LEYO.M.ALAVA.CIV@MAIL.MIL. POC FOR FIRING TABLE IS JASON FONNER, RDAR-WSF-T, DSN 298-4515, EMAIL JASON.A.FONNER.CIV@MAIL.MIL. POC FOR DISTRIBUTION IS TINA ARNS, AMSJM-QAS, DSN 793-7561, E-MAIL TINA.B.ARNS.CIV@MAIL.MIL.

11. THIS AIN EXPIRES 31 OCTOBER 2016, UNLESS OTHERWISE RESCINDED OR SUPERSEDED.

//SIGNED//

JEAN-MICHEL W. SERRA
CHIEF, AMMUNITION SURVEILLANCE DIVISION