

//UNCLASSIFIED//
211848Z Dec 15
FROM CDR JMC ROCK ISL IL//AMSJM-QAS//
740 (A)

SUBJECT: AMMUNITION INFORMATION NOTICE (AIN) 023-16, SHORT ROUND AND MISFIRE PROCEDURES FOR CARTRIDGES, 81MM, HE M821/M889 (1315-C868/C869)

1. AIN 022-16 WAS TRANSMITTED ON 211525Z Dec 15
2. THIS AIN SUPERSEDES AIN 014-15
3. DODIC: C868, C869
4. REFERENCE AR 75-1, 20 DECEMBER 2012, MALFUNCTIONS INVOLVING AMMUNITION AND EXPLOSIVES.
5. REQUEST DISSEMINATION OF THIS AIN TO ALL UNITS FIRING 81MM MORTARS, RANGE SAFETY OFFICERS AND EOD.
6. RARE INSTANCES OF SHORT ROUNDS AND MISFIRES MAY BE EXPECTED WITH SUBJECT CARTRIDGES MANUFACTURED PRIOR TO NOVEMBER 1989. CAUSE IS BLOCKAGE OF PRIMER FLASH HOLE BY SEALING COMPOUND UTILIZED IN MANUFACTURE. TESTING HAS DETERMINED SHORT ROUNDS CAUSED BY THIS DEFECT WILL FALL AS SHORT AS 3.5 FEET AND AS FAR AS 140 FEET FROM WEAPON. ASSEMBLED FUZES, PD, M935 AND MULTI-OPTION, M734 NORMALLY DO NOT ARM WITHIN THIS RANGE OR FUNCTION UPON IMPACT.
7. THE FOLLOWING PROCEDURES APPLY TO SHORT ROUNDS:
 - A. GUN CREWS EXPERIENCING SHORT ROUNDS DESCRIBED IN PARA 6 MUST EVACUATE FIRING POSITION DUE TO REMOTE POSSIBILITY FOR FUZE ARMING. EOD MUST ACCOMPLISH DISPOSAL OF DUDS.
 - B. REQUEST THAT FIRING UNIT SUBMIT AN AMMUNITION MALFUNCTION REPORT, DA FORM 4379. INCLUDE INFORMATION FROM EOD ON THE PRESENCE OF UNBURNED PROPELLANT OR OTHER UNUSUAL CONDITIONS AND INCLUDE PHOTOGRAPHS AND OBSERVATIONS INTO REPORT.
8. THE FOLLOWING PROCEDURES SHOULD BE UTILIZED FOR MISFIRES: IMMEDIATELY REPORT MALFUNCTION AND TAKE OTHER ACTION AS REQUIRED BY PARA 2-1 OF REFERENCE. MISFIRES SHOULD BE REPACKED, CONTAINERS MARKED "MISFIRES", AND RETURNED TO AMMUNITION SUPPLY POINT. QUALITY ASSURANCE SPECIALIST, AMMUNITION SURVEILLANCE (QASAS) SHOULD INSPECT MISFIRES, REPORT OBSERVATIONS (TO INCLUDE PHOTOGRAPHS) IF POWDER BURNS ARE FOUND AROUND PRIMER HOUSING, OR PROPELLANT IS FOUND TO BE SCORCHED. THESE CONDITIONS ARE INDICATIVE OF BLOCKED FLASH HOLE.
9. ABOVE REQUIREMENTS ARE IN ADDITION TO, NOT IN LIEU OF, ACTIONS REQUIRED BY REFERENCE.
10. POC FOR THIS MESSAGE IS ANDREW DEBLOCK, RDAR-EIL-LM, DSN 880-5707,

EMAIL: ANDREW.J.DEBLOCK.CIV@MAIL.MIL . POC FOR DISTRIBUTION OF THIS AIN IS
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11. THIS AIN EXPIRES 31 DECEMBER 2016, UNLESS OTHERWISE RESCINDED OR SUPERSEDED.

//SIGNED//

JEAN-MICHEL W. SERRA

CHIEF, AMMUNITION SURVEILLANCE DIVISION