



UTM 5.56mm Man-Marker Rounds DODIC NUMBERS

(DODIC & National Stock Numbers)

UTM Training System has been granted the following approvals:

The United States Air Force Nonnuclear Munitions Board Safety Board Executive Secretary granted approval of the UTM M9, M11, M16/M4 and M249 Training Systems on January 4, 2005.

UTM's 5.56mm Man-Marker Rounds (MMR's) were approved through the US Army's Close Combat Mission Capability Kit Program receiving 'Type Classification' on July 17, 2008 and 'Full Material Release' on June 26, 2009.

		YELLOW	
			
AB09		AB10	
NSN: 1305-01-536-5822		NSN: 1305-01-536-5827	
			
AB11			
NSN: 1305-01-536-5829			

UTM M1042 Training Cartridge, 5.56mm Man-Marker Round (Loose) (Rifle)

WARNING: DO NOT LINK the UTM M1042 Training Cartridge, 5.56mm Man-Marker Round. The Loose UTM 5.56mm MMR is engineered and powered solely for the M16/M4 family of weapons. UTM Loose 5.56mm MMR (White Cruciform Dome) will not reliably function the M249.

YELLOW			
			
AB15		AB16	
NSN: 1305-01-536-9289		NSN: 1305-01-537-1521	
			
AB17			
NSN: 1305-01-537-1522			

UTM M1071 Training Cartridge, 5.56mm Man-Marker Round (Linked) (M249 SAW)

WARNING: DO NOT DE-LINK the UTM M1071 Training Cartridge, 5.56mm Man-Marker Round. The Linked UTM 5.56mm MMR is engineered and powered solely for the M249 SAW weapons. UTM Linked 5.56mm MMR (Navy Blue Cruciform Dome) will not reliably function the M16/M4.

//UNCLASSIFIED//

122046Z FEB 09

USE THIS DTG TO REFERENCE THIS MESSAGE

FROM CDR JMC ROCK ISL IL//AMSJM-QAS//

740 (A)

SUBJECT: AMMUNITION INFORMATION NOTICE (AIN) 040-09, NON-STANDARD MARKING AMMUNITION (ULTIMATE TRAINING AMMUNITION (UTM) AND SIMUNITIONS)

1. AIN 039-09 WAS TRANSMITTED ON 101655Z FEB 09.

2. THIS AIN SUPERSEDES AIN 39-09.

3. REFERENCES:

A. TM 9-1005-319-10, OPERATOR'S MANUAL RIFLE, 5.56MM, M16A2, M16A3, M16A4; CARBINE, 5.56 MM, M4/M4A1, OCTOBER 1998.

B. TM 9-1005-319-23&P, UNIT AND DIRECT SUPPORT MAINTENANCE MANUAL, RIFLE, 5.56 MM, M16A2 W/E, NOVEMBER 2008.

C. TM 9-1005-201-10, OPERATOR'S MANUAL MACHINE GUN, 5.56MM, M249 W/EQUIP, JULY 1991, WITH CHANGES.

D. AIN 57-07, NON-STANDARD AMMUNITION AND EXPLOSIVES, MAY 2007.

4. REQUEST THIS AIN BE DISSEMINATED TO ALL PERSONNEL INVOLVED IN INSPECTING, STORING, HANDLING, ISSUING, OR USING SUBJECT AMMUNITION.

5. BACKGROUND:

A. CONSIDERABLE NUMBERS OF UNITS AND INSTALLATIONS HAVE 7 PURCHASED COMMERCIALY AVAILABLE, "NON-STANDARD" MARKING AMMUNITION SYSTEMS COMMONLY REFERRED TO AS "PAINTBALL", WHICH CONSIST OF WEAPON CONVERSION KITS AND MARKING AMMUNITION. THESE CONVERSION KITS ALLOW STANDARD SERVICE WEAPONS TO FIRE MARKING AMMUNITION. WHEN MANUFACTURER'S INSTRUCTIONS AND THE PROPER SAFETY AND WEAPON MAINTENANCE PROCEDURES ARE FOLLOWED, THIS MARKING AMMUNITION ALLOWS SOLDIERS TO SAFELY AND EFFECTIVELY CONDUCT FORCE ON FORCE TRAINING DURING MILITARY OPERATIONS IN URBAN TERRAIN (MOUT) AND CLOSE QUARTERS COMBAT (CQC) EXERCISES.

B. EXTERNAL FACTORS SUCH AS IMPROPER AMMUNITION HANDLING OR IMPROPER WEAPON MAINTENANCE CAN CAUSE MAN MARKING PROJECTILES TO BECOME LODGED IN- BORE. BLOWN WEAPON INCIDENTS HAVE OCCURRED WHEN SERVICE AMMUNITION WAS FIRED THROUGH WEAPONS THAT HAD A MAN MARKING PROJECTILE LODGED WITHIN THE BORE WITHOUT FIRST CHECKING TO ENSURE THAT THE BORE WAS CLEAR.

6. UNITS USING NON-STANDARD MARKING AMMUNITION SYSTEMS ARE RESPONSIBLE FOR ENSURING THE INVOLVED SERVICE WEAPONS ARE PROPERLY CLEANED AND INSPECTED AFTER BEING CONVERTED BACK TO SERVICE USE IAW REFERENCES IN PARA 1A, 1B & 1C. INSPECTION AND SUBSEQUENT WEAPON MAINTENANCE MUST BE PERFORMED ACCORDING TO THE MARKING AMMUNITION SYSTEMS MANUFACTURER'S SAFETY PROCEDURES, THE INDIVIDUAL WEAPONS USER'S MANUAL, AND THE USING INSTALLATION'S FIRING RANGE AND RANGE SAFETY REGULATIONS AND STANDARD OPERATING

PROCEDURES. FAILURE TO COMPLY WITH ESTABLISHED OPERATIONAL AND SAFETY STANDARDS COULD RESULT IN WEAPON DAMAGE AND/OR PERSONNEL INJURY.

7. MARKING AMMUNITION MUST BE CHECKED FOR OPERATIONAL SERVICEABILITY. THE FOLLOWING CONCERNS MUST BE ADDRESSED BY USING UNITS AND AMMUNITION INSPECTORS:

A. BE AWARE OF AND OBSERVE AMMUNITION MANUFACTURERS' SHELF LIFE LIMITS.

1) UTM/SIMUNITIONS: "THE QASAS OR ACCOUNTABLE OFFICER AT THE ASP WILL PROVIDE A COPY OF THE MANUFACTURERS SAFETY DATA SHEET TO THE REQUESTING LOCAL MISSION COMMANDER. FINAL APPROVAL FOR LOCAL USE OF THIS NONSTANDARD MUNITIONS BY A UNIT RESTS WITH THE LOCAL MISSION COMMANDER OR HIS/HER DESIGNEE (O-6 OR ABOVE). IF THE COMMANDER AGREES AND PROVIDES A "RISK ACCEPTANCE" BY LETTER OR EMAIL BACK TO THE ASP, THEN THE ASP IS AUTHORIZED TO ISSUE THE ITEMS". SIMUNITION AND UTM DATA SHEETS ARE ATTACHED OR AVAILABLE AT <https://www6.osc.army.mil/ains/ainlog.pdf> UNDER AIN 040-09A, AIN 040-09B, AIN 040-09C AND 040-09D PDF IMAGE.

2) UTM: ASSETS VISUALLY SERVICEABLE WITH EXPIRED SHELF LIFE, WILL BE ASSIGNED CONDITION CODE CHARLIE AND DEFECT CODE, CAAA2B.

3) SIMUNITIONS (AA12/AA21):

A) COMPLY WITH MANUFACTURERS RECOMMENDATION OF 1 YEAR SHELF LIFE. ASSETS VISUALLY SERVICEABLE WITH EXPIRED SHELF LIFE, WILL BE ASSIGNED CONDITION CODE CHARLIE AND DEFECT CODE, CAAA2B. U.S. ARMY NON-CONCURS WITH THE U.S. NAVY RECOMMENDATION TO EXTEND THE SHEFLIFE TO TEN YEARS.

B) SOCOM OWNED ASSETS: ASSETS PACKAGED IN THE M548 CONTAINER IAW THE NAVY TEST PROGRAM, AUG 2000, ASSIGN A TEN YEAR SHELF LIFE.

B. INSPECT ALL CARTRIDGES PRIOR TO ISSUE AND USE FOR ANY DAMAGE OR ABNORMALITIES. IF ANY DEFECT IS FOUND, DO NOT ISSUE OR USE.

C. AMMUNITION MANUFACTURERS' INTERCHANGEABILITY RESTRICTIONS MUST BE FOLLOWED. LINKED (BELTED) AND 5.56MM (BULK) MAN MARKING MUNITIONS ARE NOT INTERCHANGEABLE.

D. STORAGE/OPERATIONAL TEMPERATURE LIMITS (UTM):

1) STORAGE LIMITS: 40 DEGREES CELSIUS (104 DEGREES FAHRENHEIT).

2) OPERATIONAL LIMITS: -5 DEGREES THRU 40 DEGREES CELSIUS (23 DEGREES THRU 104 DEGREES FAHRENHEIT.)

E. STORAGE/OPERATIONAL TEMPERATURE LIMITS (SIMUNITIONS):

1) STORAGE LIMITS: 25 DEGREES CELSIUS (80 DEGREES FAHRENHEIT).

2) OPERATIONAL LIMITS: -8 DEGREES THRU 40 DEGREES CELSIUS (18 DEGREES THRU 104 DEGREES FAHRENHEIT.)

8. SERVICEABILITY OF THE WEAPON SYSTEM MUST BE VERIFIED PRIOR TO USE OF MARKING AMMUNITION. THE FOLLOWING CONCERNS MUST BE ADDRESSED BY THE UNITS:

A. CLEANING AND INSPECTION OF WEAPONS PRIOR TO, DURING, AND AFTER MODIFICATION FOR USE OF NON-STANDARD MARKING AMMUNITION IS IMPERATIVE TO PREVENT CATASTROPHIC IN-BORE INCIDENTS.

B. SIGNIFICANT RESIDUE WILL BUILD UP IN WEAPON BARRELS WHILE USING THIS AMMUNITION. REGULAR CLEANING IS NECESSARY TO PREVENT PERMANENT DAMAGE.

C. IT IS RECOMMENDED BY MANUFACTURERS OF NON-STANDARD MAN MARKING AMMUNITION SYSTEMS THAT BRAND NEW M4-SERIES CARBINE/M16-SERIES RIFLE WEAPON BARRELS HAVE AT LEAST 200 ROUNDS OF M855 BALL AMMUNITION FIRED THROUGH THEM PRIOR TO FIRING MAN MARKING AMMUNITION.

9. REFERENCE 3D PROVIDES GUIDANCE FOR REQUESTING MAN-MARKING AMMUNITION FOR TRAINING.

10. THE ARMY IS IN THE PROCESS OF TYPE CLASSIFYING AND MATERIAL RELEASING STANDARD MARKING AMMUNITION TO BE USED IN FORCE ON FORCE TRAINING WITH THE M16 SERIES RIFLES, M4 SERIES CARBINES, M249 SQUAD AUTOMATIC WEAPON, AND THE M9 AND M11 PISTOLS. WEAPON CONVERSION KITS WILL BE REQUIRED TO FIRE THE MARKING AMMUNITION. THESE WEAPON CONVERSION KITS WILL BE FIELDDED TO THE TRAINING SUPPORT CENTERS AS A TRAINING DEVICE SIMILAR TO MILES EQUIPMENT.

11. TECHNICAL POINT OF CONTACT IS MR. ROBERT WEISSMAN, DSN: 880-3056, WEISSMAN@PICA.ARMY.MIL, AMSRD-AAR-AIL-LA. POINT OF CONTACT FOR DISTRIBUTION OF THIS AIN IS DALE CALL, DSN 793-2763, AMSJM-QAS, ELBERT.D.CALL@US.ARMY.MIL.

12. THIS AIN EXPIRES 28 FEB 10 UNLESS OTHERWISE RESCINDED OR SUPERSEDED.

//SIGNED//
LEWIS KOPERA
CHIEF, AMMUNITION SURVEILLANCE DIVISION