

DATA ITEM DESCRIPTION			Form Approved DAR No. 0704-0188 Exp. Date: Jun 30 1986	
1. TITLE BALLISTIC ACCEPTANCE TEST REPORT		2. IDENTIFICATION NUMBER DI-MISC-80246		
3. DESCRIPTION/PURPOSE 3.1 This DID identifies the format and content requirement covered by the specific and discrete task for the contractor to prepare this data product identified in the contract Statement of Work (SOW).  (Continued on Page 2)				
4. APPROVAL DATE (YYMMDD) 861015	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) A/AMCCOM	6a. DTIC REQUIRED	6b. GIDEP REQUIRED	
7. APPLICATION/INTERRELATIONSHIP 7.1 This Data Item Description (DID) contains the format and content preparation instructions for that data product generated by the specific and discrete task requirement for this data included in the contract.  7.2 This DID applies to all phases of the life cycle of an item.  7.3 This DID supersedes DI-R-1727, Quality Inspection Ballistic Acceptance Test.				
8. APPROVAL LIMITATION		9a. APPLICABLE FORMS		9b. AMSC NUMBER A3976
10. PREPARATION INSTRUCTIONS 10.1 <u>Contract</u> . This data item is generated by the contract which contains a specific and discrete work task to develop this data product.  10.2 <u>General</u> . The data to be reported encompasses testing requirements prescribed by the item detail specification.  10.3 <u>Format</u> . The Ballistic Acceptance Test Report shall be in contractor's format.  10.4 <u>Content</u> . Each Ballistic Acceptance Test Report shall contain the following:  a. Contract No. and Manufacturer.  b. End Item Nomenclature.  c. Item detail specification number and title (including any amendment).  d. Lot No. and Quantity.  e. Date(s) conducted.  f. Total rounds expended on test (listed by test phases when applicable).				

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### 3. DESCRIPTION/PURPOSE (Cont'd)

3.2 The Ballistic Acceptance Test Report records the summarized results for each phase of the ballistic acceptance testing required by an item detail specification. It serves as an official firing and acceptance record.

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### 10. PREPARATION INSTRUCTIONS (Cont'd)

#### 10.4 Content. (Cont'd)

g. One-page summary of test performed, and overall results.

h. Detailed results of each applicable phase.

10.5 Detailed Contents. In addition to the general contents, the following detailed contents shall be provided as cited in the item detail specification(s) in the contract:

a. Projectile Extraction - Requirement shall be shown and the individual cartridge results reported. Findings of propellant contamination examinations shall also be reported.

b. Projectile Torque - Requirement shall be shown and number out of sample meeting requirement reported.

c. Velocity, Pressure, Water Proofness - Requirements shall be shown and the individual round readings recorded. Both the means and sample standard deviation shall be computed and recorded. If corrections are applied, the basis for the corrections shall be fully documented and the corrected or uncorrected means shown. Test barrels shall be identified by number and age (rounds).

d. Accuracy - The Horizontal and vertical standard deviations for each target shall be recorded as well as the pooled values. Wind conditions, temperature, barometric pressure, target distance, and test barrel identification (and round age) shall also be reported.

e. Action Time - Individual times shall be recorded for each sample cartridge and the mean and standard deviation computed and reported.

f. Projectile Trace - Trace times for each individual sample cartridge shall be reported. Light and temperature conditions, as well as test barrel(s) identification and round history, shall also be reported.

g. Function and Casualty - Record test weapon(s) and barrel(s) identifications and round ages, individual cyclic rates, and witness screen observations.

h. Penetration - Record velocity and penetration results and depict all computational values. Test barrel information is also required.

i. Projectile Function - Report sample rounds fired and number of successful rounds fired for each type of check (i.e., impact nonfunction, impact function, target sensitivity, projectile self destruct). Test weapons or barrel(s) identification (and round age) shall also be reported.