

**DATA ITEM DESCRIPTION**Form Approved  
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503

1. TITLE <b>Spall Impact Test Data</b>		2. IDENTIFICATION NUMBER <b>DI-SAFT-81136</b>	
3. DESCRIPTION / PURPOSE  <b>3.1 This data comprises the test and inspection conditions and results of the spall impact test. It is used to evaluate the response of the test item impacted by spall generated by the penetration of a shaped charge.</b>			
4. APPROVAL DATE (YYMMDD) <b>910308</b>	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)  <b>OS</b>	6a. DTIC APPLICABLE	6b. GIDEP APPLICABLE
7. APPLICATION / INTERRELATIONSHIP  <b>7.1 This Data Item Description (DID) contains the format and content preparation instructions for data generated by the spall impact test of MIL-STD-2105.</b>  <b>7.2 The following DID is used in conjunction with this DID and applies only if listed on the DD Form 1423 incorporated into the contract: DI-SAFT-81126 Photographic Requirements</b>			
APPROVAL LIMITATION		9a. APPLICABLE FORMS	9b. AMSC NUMBER <b>N6036</b>
10. PREPARATION INSTRUCTIONS  <b>10.1 <u>Format.</u> The spall impact test data shall be formatted in accordance with figures 1, 2 and 3.</b>  <b>10.2 <u>Content.</u> The spall impact test data shall include the information of figures 1, 2 and 3 and the following:</b>  a. <b>Location and identification of the post-test remains depicted onto figure 2.</b> b. <b>Description, location (linear and angular distance from original test position), dimensions and weight of the post-test remains tabulated onto figure 3.</b>			
DISTRIBUTION STATEMENT  <b>DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.</b>			

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SPALL IMPACT TEST  
DATA SHEET

Item Tested: \_\_\_\_\_

Lot # \_\_\_\_\_ S/N \_\_\_\_\_

Ambient Conditions: \_\_\_\_\_

Test Facility: \_\_\_\_\_ Date: \_\_\_\_\_

Test Item Description: \_\_\_\_\_  
\_\_\_\_\_

Test Setup (attach sketch): \_\_\_\_\_  
\_\_\_\_\_

Test Results

Narrative Description: \_\_\_\_\_  
\_\_\_\_\_

Explosive reaction level: \_\_\_\_\_

Post Test Description

Number of Spall Impacts: \_\_\_\_\_

Witness Plate Description: \_\_\_\_\_

NOTE: Test item blast characteristics are to be calibrated and the data retained.

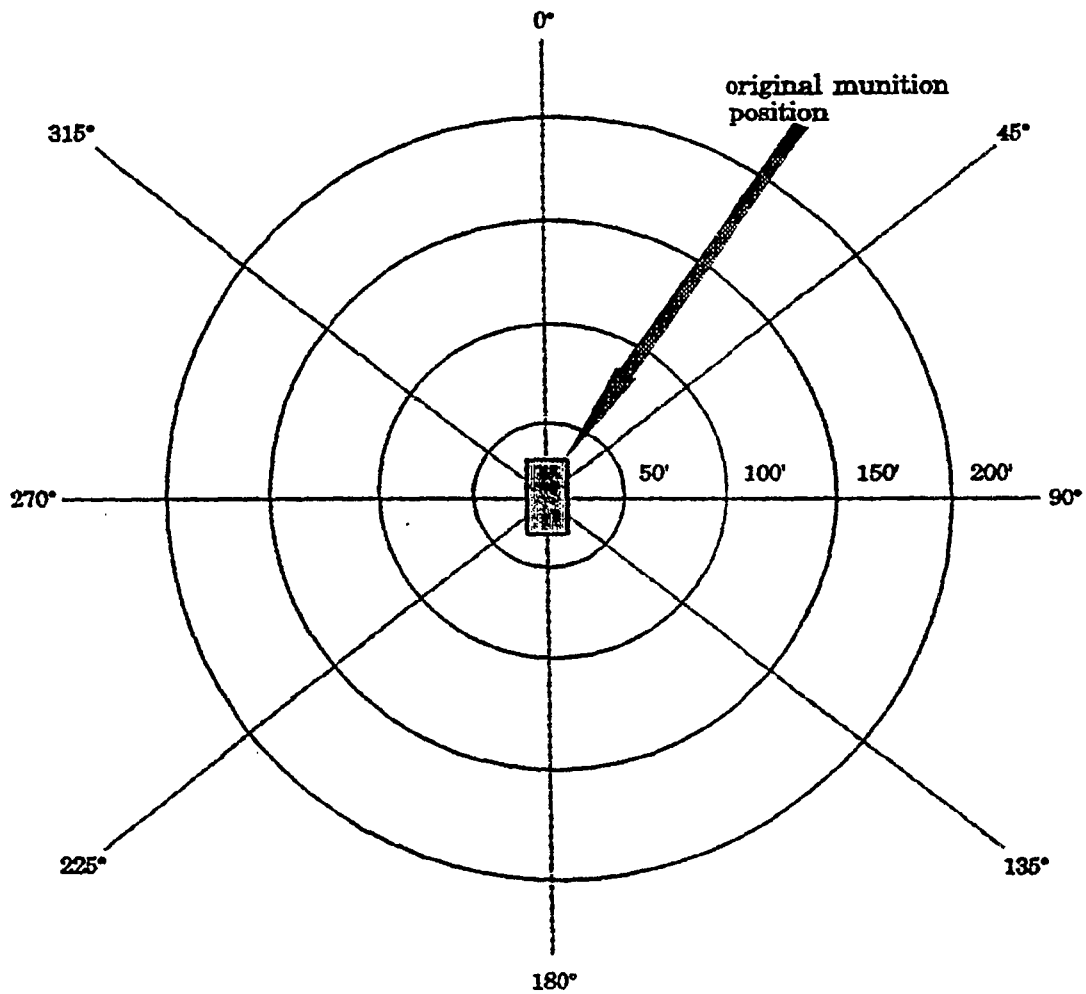
Test Engineer: \_\_\_\_\_

Signature: \_\_\_\_\_

FIGURE 1. Spall impact test data sheet.

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POST TEST REMAINS MAP



NOTE: Identify each fragment numerically (see figure 3).

FIGURE 2. Post-test remains map.

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POST TEST REMAINS TABULATION

FRAGMENT NUMBER	DISTANCE	WEIGHT	ANGLE	DESCRIPTION

FIGURE 3. Post-test remains tabulation.