MIL-F-48382A (AR)
1 July 1985
SUPERSEDING
MIL-F-48382 (AR)
18 January 1977

MILITARY SPECIFICATION

FUZE, M934E6, IMPACT SWITCH FOR

This specification is approved for use by US Army Armament, Munitions and Chemical Command, and is available for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 Scope. This specification establishes the performance, test, manufacture and acceptance requirements for the impact switch for use in the M934E6 Fuze assembly.

2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 Specifications and standards. Unless otherwise specified, the following specifications and standards of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation, form a part of this specification to the extent specified herein.

SPECIFICATIONS

MILITARY

MIL-A-48078	- Ammunition, Standard Quality Assurance Provisions, General Specification for
MIL-S-45743	- Soldering, Manual Type, High Reliability, Electrical Connections, for Missile Systems, Procedures for

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, US Army Armament Research and Development Center, Attn: AMSMC-QA, Dover, New Jersey 07801-5001 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

FSC 1336

STANDARDS

FEDERAL

FED-STD-209 - Clean Room and Work Station Requirements, Controlled Environment

MILITARY

MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes
MIL-STD-202 - Test Methods for Electronic and Electrical Component Parts
MIL-STD-331 - Fuze and Fuze Components, Environmental and Performance Test for
MIL-STD-810C - Environmental Test Methods
MIL-STD-1169 - Packaging, Packing and Marking for Shipment of Inert Ammunition Components

2.1.2 Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this specification to the extent specified herein.

DRAWINGS

US ARMY ARMAMENT RESEARCH AND DEVELOPMENT CENTER (ARDC)

9297012 - Switch Assembly, Impact

(Copies of specifications, standards, handbooks, drawings, and publications required by manufacturers in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting officer.)

2.1.3 Order of precedence. In the event of a conflict between the text of this specification and the references cited herein, the text of this specification shall take precedence.

3. REQUIREMENTS

3.1 Materials. Parts, materials, and processes shall be in accordance with the applicable drawings, specifications and standards.

3.2 Performance characteristics.

3.2.1 Steady state acceleration sensitivity. The impact switch shall function when subjected to a longitudinal acceleration in the M to N direction along the M-N Axis, Figure 1, of 165 g or greater and shall not function when subjected to a longitudinal acceleration in the M to N direction along the M-N axis of 130 g or less.

The impact switch shall function when subjected to a lateral acceleration along any axis perpendicular to the M-N axis, Figure 1, of 240 g or greater and shall not function when subjected to a lateral acceleration of 130 g or less.

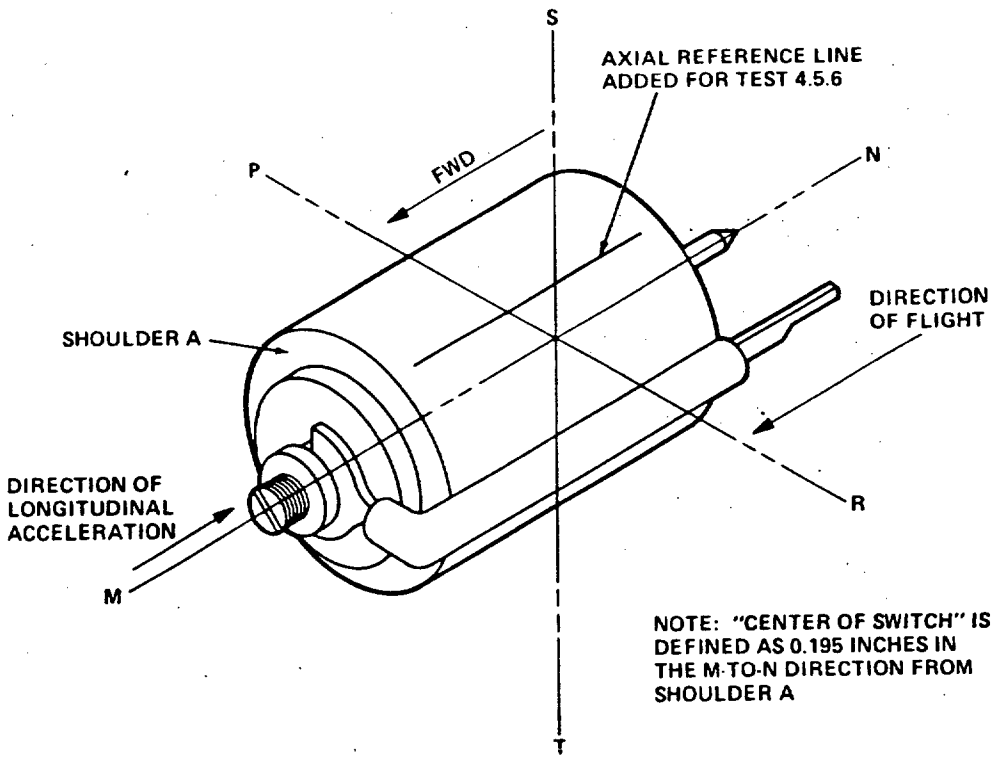

FIGURE 1. Impact switch assembly (9297012)

3.2.2. Velocity change sensitivity. The impact switch shall function when subjected to an increase in longitudinal velocity in the M to N direction along the M-N Axis, Figure 1 of equal to or greater than 22 in/sec. applied in 150 microseconds or less and shall not function when subjected to an increase in longitudinal velocity in the M to N direction along the M-N axis of equal to or less than 14 in/sec. applied in 150 microseconds or less.

3.2.3 Resistance. The resistance between switch leads during switch function shall be less than 1 ohm.

3.2.4 Insulation resistance. The insulation resistance shall be a minimum of 10 megohms.

3.2.5 Particle noise. The impact switch assembly shall not exhibit noise in excess of 40 millivolts peak amplitude when subjected to particle impact noise detection test.

3.2.6 Transportation vibration. Following vibration, the switches shall meet the performance requirements of 3.2.1 through 3.2.4.

3.2.7 Handling shock. After handling shock the switches shall meet the performance requirements of 3.2.1 through 3.2.4.

3.2.8 Temperature. Switches shall meet the performance requirements of 3.2.1 through 3.2.4 after exposure to the storage temperature environment between +160F degrees and -50F degrees and during exposure to operating temperatures between +140F degrees and -50F degrees.

3.2.9 Vibration-acceleration, operating. The impact switch contacts shall not close while the switch is exposed to acceleration vibration. After vibration the switch shall meet the performance requirements of 3.2.1 through 3.2.4.

3.2.10 Shock-operating. Following the shock test, there shall be no evidence of physical damage and the switches shall meet the performance requirements of 3.2.1 through 3.2.4.

3.3 Dimensions. Dimensional requirements shall be as specified in the detail drawings.

3.4 Visual. Switches shall be examined for compliance with the detail drawing.

3.5 First article inspection. This specification contains technical provision for first article inspection. Requirements for the submission of first article samples by the contractor shall be as specified in the contract.

3.6 Assembly conditions. The impact switch shall be assembled in an environmentally controlled room. The temperature of the room shall be maintained at 75 +10F degrees. Relative humidity shall be maintained at 30 to 50 percent. A positive pressure differential of 0.2 inches of water shall be maintained in the room. The work station for the assembly operation shall meet, as a minimum, the requirements of a Class 10,000 environment as defined in Federal Standard No. 209B.

3.7 Workmanship. The switch shall be fabricated and finished in a thorough, workmanlike manner. It should be free of burrs, chips, sharp edges, unblended radii, cold solder joints, cracks, surface defects, dirt, grease, rust, corrosion products and other foreign matter. The cleaning methods used shall not be injurious to any part, nor shall the parts be contaminated by the cleaning agents.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specifie herein or in the contract, the provisions of MIL-A-48078 shall apply and are hereby made a part of this detail specification.

4.2 Classification of inspections. See MIL-A-48078. The following types of inspection shall be conducted on the item.

a. First Article Inspection

b. Quality Conformance Inspection

4.3 First article inspection.

4.3.1 Submission. The contractor shall submit a first article sample as designated by the contracting officer for evaluation in accordance with the provisions of 4.3.2. The first article sample shall have passed the applicable criteria of 4.4.2.1 to 4.4.2.8. The first article sample shall consist of the following items in the quantities listed.

Part description		Drawings	Quantity
Screw, Contact	- Impact Switch	9282606	5
Housing, Switch	- Impact	9282611	5
Support, Ball	- Impact Switch	9282614	5
Spring, Contact	- Impact Switch	9282615	5
Header	- Impact Switch	9282625	5
Terminal, Stud		9282755	5
Contact, Electrical	- Impact Switch	9297062	5
Switch Assembly	- Impact	9297012	18

4.3.2 Inspections to be performed. See MIL-A-48078 and TABLE I specified herein.

4.3.3 Rejection. See MIL-A-48078.

TABLE I. First article inspection

CLASSIFICATION OF DEFECTS & TESTS

MIL-F-48382A (AR)

PARAGRAPH	TITLE		SHEET 1 OF 2		DRAWING NUMBER 9297012
	Switch Assembly - Impact, and Components				NEXT HIGHER ASSEMBLY 9297045
CATEGORY	EXAMINATION OR TEST	NO. OF SAMPLE UNITS	AQL OR 100%	REQUIREMENT PARAGRAPH	PARAGRAPH REFERENCE /INSPECTION METHOD
	Switch Assembly - Impact				
	GROUP I	6			
	Examination for defects			3.1	4.4.2.8
	Steady state acceleration sensitivity			3.2.1	4.5.1
	Velocity change sensitivity			3.2.2	4.5.2
	Resistance			3.2.3	4.5.3
	Insulation resistance			3.2.4	4.5.4
	Particle detection			3.2.5	4.5.5/Gage
	GROUP II	6			
	Temperature 1/			3.2.8	4.5.8/4.5.1 to 4.5.4
	Vibration - acceleration operating			3.2.9	4.5.9/4.5.1 to 4.5.4
	Shock, operating			3.2.10	4.5.10/4.5.1 to 4.5.4
	GROUP III	6			
	Transporation vibration			3.2.6	4.5.6/4.5.1 to 4.5.4
	Handling shock			3.2.7	4.5.7/4.5.1 to 4.5.4

NOTES: 1/ 1/2 Hot, 1/2 Cold. The units subjected to hot storage temperature shall also be subjected to hot operating temperature. The units subjected to cold storage temperature shall also be subjected to cold operating temperature.

TABLE I. First article inspection

MIL-F-48382A (AR)

CLASSIFICATION OF DEFECTS & TESTS

PARAGRAPH	TITLE		SHEET 2 OF 2		DRAWING NUMBER
	Switch Assembly - Impact, And Components				See Below
					NEXT HIGHER ASSEMBLY
					9297012
CATEGORY	EXAMINATION OR TEST	NO. OF SAMPLE UNITS	AQL OR 100%	REQUIREMENT PARAGRAPH	PARAGRAPH REFERENCE /INSPECTION METHOD
	Screw contact (Dwg 9282606)				
	Examination for defects	5		3.1, 3.3	4.4.2.1
	Housing (Dwg 9282611)				
	Examination for defects	5		3.1, 3.3	4.4.2.2
	Support, ball (Dwg 9282614)				
	Examination for defects	5		3.1, 3.3	4.4.2.3
	Spring, contact (Dwg 9282615)				
	Examination for defects	5		3.1, 3.3	4.4.2.4
	Header (Dwg 9282625)				
	Examination for defects	5		3.1, 3.3	4.4.2.5
	Terminal - stud (Dwg 9282755)				
	Examination for defects	5		3.1, 3.3	4.4.2.6
	Contact electrical (Dwg 9297062)				
	Examination for defects	5		3.1, 3.3	4.4.2.7

NOTES:

DRSMC-QA (D) Form 160, 1 Aug 83 replaces edition of 1 Jul 77 which may be used until exhausted.

4.4 Quality conformance inspection.

4.4.1 Inspection lot formation. Inspection lot formation shall be in accordance with MIL-A-48078.

4.4.2 Examination. Examination shall be in accordance with MIL-A-48078. Unless otherwise specified, sampling shall be in accordance with MIL-STD-105, Inspection Level II. AQL levels and requirements for 100 percent inspection are specified in 4.4.2.1 through 4.4.2.8.

QUALITY CONFORMANCE INSPECTION

CLASSIFICATION OF DEFECTS & TESTS

PARAGRAPH	TITLE	SHEET 1 OF 1	DRAWING NUMBER
4.4.2.1	Screw, contact - Impact switch		9282606
			NEXT HIGHER ASSEMBLY 9297012

CATEGORY	EXAMINATION OR TEST	NO. OF SAMPLE UNITS	AQL OR 100%	REQUIREMENT PARAGRAPH	PARAGRAPH REFERENCE /INSPECTION METHOD
Critical	None defined				
Major					
101	Radius at end of screw		0.25%	3.3	Gage
102	Length of screw		0.25%	3.3	Gage
103	Presence of thread beyond spherical radius		0.25%	3.4	Visual
Minor					
201	Major diameter of threads		0.40%	3.3	Gage
202	True position of slot		0.40%	3.3	Gage
203	Workmanship		0.40%	3.7	Visual

NOTES:

QUALITY CONFORMANCE INSPECTION

CLASSIFICATION OF DEFECTS & TESTS

PARAGRAPH	TITLE	SHEET 1 OF 1	DRAWING NUMBER
4.4.2.2	Housing, switch - Impact		9282611
			NEXT HIGHER ASSEMBLY 9297012

CATEGORY	EXAMINATION OR TEST	NO. OF SAMPLE UNITS	AQL OR 100%	REQUIREMENT PARAGRAPH	PARAGRAPH REFERENCE /INSPECTION METHOD
Critical	None defined				
Major					
101	Length of housing		0.25%	3.3	Gage
102	Small inside diameter		0.25%	3.3	Gage
103	Large outside diameter		0.25%	3.3	Gage
104	True position of large outside diameter		0.25%	3.3	Gage
105	Length of small inside diameter		0.25%	3.3	Gage
106	Radius of corner between small diameter and large inside diameter		0.25%	3.3	Gage
Minor					
201	Large inside diameter		0.40%	3.3	Gage
202	Length of large inside diameter		0.40%	3.3	Gage
203	Minor diameter of threads		0.40%	3.3	Gage
204	Workmanship		0.40%	3.7	Visual

NOTES:

CLASSIFICATION OF DEFECTS & TESTS

PARAGRAPH	TITLE		SHEET 1 OF 1		DRAWING NUMBER 9282614
4.4.2.3	Support, ball- Impact switch				NEXT HIGHER ASSEMBLY 9297012
CATEGORY	EXAMINATION OR TEST	NO. OF SAMPLE UNITS	AQL OR 100%	REQUIREMENT PARAGRAPH	PARAGRAPH REFERENCE /INSPECTION METHOD
Critical	None defined				
Major					
101	Length of support		0.25%	3.3	Gage
102	Diameter of cut out		0.25%	3.3	Gage
103	True position of counter bore		0.25%	3.3	Gage
104	Distance between tip of ball and end of cut out length		0.25%	3.3	Gage
105	Depth of counter bore		0.25%	3.3	Gage
Minor					
201	Major diameter of threads		0.40%	3.3	Gage
202	Workmanship		0.40%	3.7	Visual

NOTES:

QUALITY CONFORMANCE INSPECTION

CLASSIFICATION OF DEFECTS & TESTS

MIL-F-48382A (AR)

PARAGRAPH	TITLE		SHEET	OF	DRAWING NUMBER
4.4.2.4	Spring, Contact-Impact switch		1	1	9282615
					NEXT HIGHER ASSEMBLY 9297012
CATEGORY	EXAMINATION OR TEST	NO. OF SAMPLE UNITS	AQL OR 100%	REQUIREMENT PARAGRAPH	PARAGRAPH REFERENCE /INSPECTION METHOD
Critical	None defined				
Major					
101	Thickness		0.25%	3.3	Gage
102	Profile		0.25%	3.3	Gage
103	Burrs		0.25%	3.4	Visual
104	Surface finish		0.25%	3.3	Gage
Minor					
201	Workmanship		0.40%	3.7	Visual

NOTES:

QUALITY CONFORMANCE INSPECTION

CLASSIFICATION OF DEFECTS & TESTS

PARAGRAPH	TITLE		SHEET 1 OF 1		DRAWING NUMBER 9282625
4.4.2.5	Header-Impact switch				NEXT HIGHER ASSEMBLY 9297012
CATEGORY	EXAMINATION OR TEST	NO. OF SAMPLE UNITS	AQL OR 100%	REQUIREMENT PARAGRAPH	PARAGRAPH REFERENCE /INSPECTION METHOD
Critical	None defined				
Major					
101	Height of header		0.25%	3.3	Gage
102	Large shoulder height		0.25%	3.3	Gage
103	Diameter of large end		0.25%	3.3	Gage
104	True position of pitch diameter to outside diameter		0.25%	3.3	Gage
105	Thread pitch diameter		0.25%	3.3	Gage
106	Thread minor diameter		0.25%	3.3	Gage
107	Thread length		0.25%	3.3	Gage
Minor					
201	Workmanship		0.40%	3.7	Visual

NOTES:

DRSMC-OA (D) Form 160, 1 Aug 83 replaces edition of 1 Jul 77 which may be used until exhausted.

QUALITY CONFORMANCE INSPECTION

CLASSIFICATION OF DEFECTS & TESTS

PARAGRAPH	TITLE		SHEET 1 OF 1		DRAWING NUMBER 9282755
4.4.2.6	Terminal, stud				NEXT HIGHER ASSEMBLY 9297012
CATEGORY	EXAMINATION OR TEST	NO. OF SAMPLE UNITS	AQL OR 100%	REQUIREMENT PARAGRAPH	PARAGRAPH REFERENCE /INSPECTION METHOD
Critical	None defined				
Major	None defined				
Minor					
201	Flange diameter		0.40%	3.3	Gage
202	Flange length		0.40%	3.3	Gage
203	Small diameter		0.40%	3.3	Gage
204	Large diameter		0.40%	3.3	Gage
205	Workmanship		0.40%	3.7	Visual

NOTES:

QUALITY CONFORMANCE INSPECTION

CLASSIFICATION OF DEFECTS & TESTS

PARAGRAPH	TITLE	SHEET	DRAWING NUMBER
4.4.2.7	Contact, electrical - Impact switch	1 OF 1	9297062
			NEXT HIGHER ASSEMBLY 9297012

CATEGORY	EXAMINATION OR TEST	NO. OF SAMPLE UNITS	AQL OR 100%	REQUIREMENT PARAGRAPH	PARAGRAPH REFERENCE /INSPECTION METHOD
Critical	None defined				
Major					
101	Finish		0.25%	3.1	Certificate of compliance
102	Material		0.25%	3.1	Certificate of compliance
103	Contact length		0.25%	3.3	Gage
Minor					
201	Workmanship		0.40%	3.7	Visual

NOTES:

DRSMC-OA (D) Form 160, 1 Aug 83 replaces edition of 1 Jul 77 which may be used until exhausted.

QUALITY CONFORMANCE INSPECTION

CLASSIFICATION OF DEFECTS & TESTS

PARAGRAPH	TITLE		SHEET 1 OF 2		DRAWING NUMBER 9297012
4.4.2.8	Switch assembly - Impact				NEXT HIGHER ASSEMBLY 9297045
CATEGORY	EXAMINATION OR TEST	NO. OF SAMPLE UNITS	AQL OR 100%	REQUIREMENT PARAGRAPH	PARAGRAPH REFERENCE /INSPECTION METHOD
	GROUP A				
Critical	None defined				
Major					
101	Soft solder at screw end missing or improper		0.25%	3.4	Visual
102	Adhesive at terminal stud end missing or improper		0.25%	3.4	Visual
103	Steady state acceleration sensitivity		100%	3.2.1	4.5.1
104	Velocity change sensitivity		100%	3.2.2	4.5.2
105	Resistance		100%	3.2.3	4.5.3
106	Insulation resistance		100%	3.2.4	4.5.4
107	Particle detection		100%	3.2.5	4.5.5/Gage
Minor					
201	Insulation dimension		0.40%	3.3	Gage
202	Insulation of contact		0.40%	3.4	Visual
203	Soldering in accordance with MIL-S-45743		0.40%	3.4	Visual
204	Marking		0.40%	3.4	Visual
205	Workmanship		0.40%	3.7	Visual

NOTES:

CLASSIFICATION OF DEFECTS & TESTS

PARAGRAPH	TITLE		SHEET 2 OF 2		DRAWING NUMBER 9297012
4.4.2.8	Switch assembly - Impact				NEXT HIGHER ASSEMBLY 9297045
CATEGORY	EXAMINATION OR TEST	NO. OF SAMPLE UNITS	AQL OR 100%	REQUIREMENT PARAGRAPH	PARAGRAPH REFERENCE /INSPECTION METHOD
Critical	GROUP B 1/	3/			
	None defined				
Major					
108	Transportation vibration			3.2.6	4.5.6/4.5.1 to 4.5.4
109	Handling shock			3.2.7	4.5.7/4.5.1 to 4.5.4
110	Shock, operating			3.2.10	4.5.10/4.5.1 to 4.5.4
111	Temperature 2/			3.2.8	4.5.8/4.5.1 to 4.5.4
112	Particle detection			3.2.5	4.5.5/Gage
Minor					
206	Workmanship			3.7	Visual

NOTES: 1/ Destructive test. 2/ 1/2 hot, 1/2 cold. The units subjected to hot storage temperature shall also be subjected to hot operating temperature. The units subjected to cold storage temperature shall also be subjected to cold operating temperature. Odd unit to be tested cold. 3/ Test sample 5% of lot but not less than 5 units, with no defects permitted.

4.4.3 Testing to be performed. All tests are specified in 4.4.2.1 through 4.4.2.8.

4.4.4 Inspection equipment. The inspection equipment required to perform the examinations and tests prescribed in this specification is identified, either directly or by reference, in the "Paragraph Reference/Inspection Method" column of the First Article or Quality Conformance Inspection Tables herein. The contractor shall submit inspection equipment designs to the Government for approval in accordance with the terms of the contract. See 6.4.

4.5 Methods of Inspection. Unless otherwise specified herein, all inspections shall be performed in accordance with the test conditions specified in the General Requirements of MIL-STD-331.

4.5.1 Steady state acceleration sensitivity.

4.5.1.1 Longitudinal acceleration. The switch shall be positioned on shoulder A on a centrifuge such that the acceleration on the switch is in the M to N direction along the longitudinal M-N Axis, Figure 1. To verify switch function, the centrifuge shall be operated such that the acceleration at the center of the switch, defined in Figure 1, is 165g + 2g. To verify switch nonfunction, the centrifuge shall be operated such that the acceleration at the center of the switch, defined in Figure 1, is 130g - 2g.

4.5.1.2 Lateral acceleration. The switch shall be positioned on a centrifuge such that the acceleration is perpendicular to the M-N Axis, Figure I. To verify switch function, the centrifuge shall be operated such that the acceleration at the plane perpendicular to the M-N Axis of the switch is 240g + 2g. To verify switch nonfunction, the centrifuge shall be operated such that the acceleration at the plane perpendicular to the M-N Axis of the switch is 130g-2g.

4.5.2 Velocity change sensitivity. The switch shall be positioned on shoulder A on a ballistic pendulum such that the resultant G force on the switch is in the longitudinal M to N direction along the M-N Axis, Figure 1. For verification of switch function, the switch shall be subjected to a velocity change of 22.0 + 0.25 in./sec. applied in 150 microseconds or less. For verification of switch nonfunction, the switch shall be subjected to a velocity change of 14.0 - 0.25 in./sec. applied in 150 microseconds or less.

4.5.3 Resistance. This test shall be conducted while the longitudinal acceleration test of 4.5.1.1 is being performed. The circuit resistance of the switch during closure shall be measured by the voltmeter-ammeter method using a test current of 20 milliamps and an open circuit voltage of 40 volts ±2 volts.

4.5.4 Insulation resistance. The resistance between the two switch leads shall be measured with a megohmeter at a potential of 100 ± 10 volts DC.

4.5.5 Particle impact noise detection (PIND). The impact switch assembly shall be subjected to a 200g shock pulse followed within 250 milliseconds by a 5g, 40 hertz vibration for a minimum duration of 10 seconds, along S-T axis, Figure 1..

4.5.6 Transportation vibration. Transportation vibration shall be conducted in accordance with MIL-STD-331, Test 119, Procedure 2, with the following clarifications:

a. Application: Parallel to each of the three major axes of Figure 1, with support applied to the entire outer surface of the switch case, (no cantilevering).

b. The switch shall be vibrated at a frequency of 50 ±2.5 hertz for a duration of 60 + 3 minutes along each of the three major axes. Intensity of vibration shall be 10g peak.

4.5.7 Handling shock. Switches shall be hard mounted to a suitable fixture and subjected to a shock test as follows:

a.	Intensity:	400 ±32g
b.	Pulse shape:	Half sine, per MIL-STD-810C, Method 516.2, Figure 516. 2-2
c.	Pulse duration:	3 +2, -1 Milliseconds
d.	Direction:	Perpendicular to M-N Axis of Figure 1 (any quadrant)

4.5.8 Temperature. Switches shall be stabilized for one hour at each of the temperatures specified in 3.2.8. Switches shall be tested at either of the operating temperature extremes.

4.5.9 Vibration - acceleration, operating. Switches shall be subjected to acceleration vibration in accordance with MIL-STD-810C, Method 514.2, Procedure V, Part Number 2, Curve AG, the duration being 5 minutes per axis. The switches shall be vibrated

along the two major axes - longitudinally along the M-N Axis of Figure 1, and transverse along any plane perpendicular to the M-N axis of Figure I. The switch shall be monitored in accordance with 4.5.3.

4.5.10 Shock-operating. Switches shall be mounted against shoulder A with the M-N axis vertical, contact screw downward, and subjected to a free-fall shock developing the following attributes:

a.	Intensity:	250 +0 - 20G
b.	Pulse shape:	Half sine, per MIL-STD-810C, Method 516.2, Figure 516. 2-2
c.	Pulse duration:	3 +1 milliseconds
d.	Resultant Deceleration-Force Direction	Parallel to the M-N axis in an N to M direction

5. PACKAGING

5.1 Packaging requirements. Switches shall be prepared for delivery in accordance with packaging and packing requirements specified in MIL-STD-1169 unless otherwise specified in the detail drawing.

6. NOTES

6.1 Intended use. The impact switches covered by this specification are intended for use on the M934E6 Fuze.

6.2 Sensor characteristics. An impact switch closure is defined as a reduction in resistance to less than one ohm. Multiple closures or bounces are acceptable since the leading edge of the first impact switch closure of greater than 30 microseconds duration is the timing reference point for the Variable Delay.

6.3 Ordering data. See MIL-A-48078.

6.4 Submission of designs for approval. See MIL-A-48078. Submit equipment designs, as required to Commander, ARDC, ATTN: AMSMC-QAR-I (D), Dover, NJ 07801-5001.

6.5 Drawings. Drawings listed in Section 2 of this specification under the heading US Armament Research and Development Center (ARDC) may also include drawings prepared by, and identifie as, US Army Armament Research and Development Command (ARRADCOM) or Picatinny Arsenal drawings. Technical data originally prepared by these activities is now under the cognizance of ARDC.

6.6 Changes from previous issue. Asterisks are not used in this revision to identify changes with respect to the previous issue, due to the extensiveness of the changes.

Custodian:
Army-AR

Preparing Activity:
Army-AR

(Project 1336-A491)

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions – Reverse Side)

1. DOCUMENT NUMBER	2. DOCUMENT TITLE
MIL-F-48382A	FUZE, M934E6, IMPACT SWITCH FOR

3a. NAME OF SUBMITTING ORGANIZATION	4. TYPE OF ORGANIZATION *(Mark one)*
	☐ VENDOR
b. ADDRESS *(Street, City, State, ZIP Code)*	☐ USER
	☐ MANUFACTURER
	☐ OTHER *(Specify)*: _____

5. PROBLEM AREAS

a. Paragraph Number and Wording:

b. Recommended Wording:

c. Reason/Rationale for Recommendation:

6. REMARKS

7a. NAME OF SUBMITTER *(Last, First, MI)* – Optional	b. WORK TELEPHONE NUMBER *(Include Area Code)* – Optional
c. MAILING ADDRESS *(Street, City, State, ZIP Code)* – Optional	8. DATE OF SUBMISSION *(YYMMDD)*

DD FORM 82 MAR 1426 PREVIOUS EDITION IS OBSOLETE.