

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW DOWNGRADING OR DECLASSIFICATION STAMP	
CLASSIFICATION CHANGED TO: <u>U</u> <u>Ernie S. Selig</u> 8/5/97	AUTHORITY: <u>R.B. Crann</u>
PERSON CHANGING MARKING & DATE: <u>Ernie S. Selig</u> 8/1/97	RECORD ID: <u>97SN 2570</u>
PERSON VERIFYING MARKING & DATE:	DATE: <u>7/30/97</u>

APR 18 1965  
RS 2120/336

SCOPE OF WORK FOR  
JOINT W28/AGM-28A MISSILE FIRING PROGRAM  
(PHASE I)

Scope of Work

This Scope of Work applies only to the first four W28/AGM-28A (HOUND DOG) missile firings from B-52 aircraft. Warhead material already delivered to SAC will be utilized for this program. No instrumentation packages will be contained in the Mk 28 Warhead.

The purpose of this program is to verify the functionability of the W28/AGM-28A/B-52 weapon system under actual routine handling, assembling, and firing during a W28/AGM-28A/B-52 stockpile-to-target sequence. These tests supplement and are in addition to other existing Quality Assurance programs. These four firings will be made with denuclearized Mk 28 Warheads in calendar year 1965.

In accordance with agreements reached in meetings between representatives of the United States Air Force (USAF), Atomic Energy Commission, Albuquerque Operations Office (AEC-ALO), and Sandia Corporation (SC), the following principles and responsibilities for the performance of these tests are defined:

- A. Mutual exchange of observers during warhead modification, assembly, recovery activities, and post-mortem examinations, is understood.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW	
1 <sup>st</sup> Review Date: <u>7-20-97</u>	2. Reviewer (Circle Number)
Authority: <input type="checkbox"/> ADC <input checked="" type="checkbox"/> ADP	1. Classification Required <u>U</u>
Name: <u>W. Lape</u>	2. Classification Changed to
3 <sup>rd</sup> Review Date: <u>7/30/97</u>	3. Contains No DOE Classified Information
Name: <u>R. Crann</u>	4. Comments With
	5. Comments (ICAT)
	6. Comments
	<u>OK for Approval</u>

[REDACTED]

- B. Liaison between USAF and SC will be performed as necessary by either agency to insure that procedures, testing methods, and analysis methods used by both agencies are compatible.
- C. United States Air Force is responsible for:
1. Selection of a random sample of four WR Mk 28 Mod 1 Warheads which are in an operational status in AGM-28A missiles. USAF shall notify AEC-ALO of planned selection date at least 30 days prior to actual selection, followed by serial numbers selected and date of availability for transfer to a designated AEC facility for denuclearization.
  2. Transportation of the selected warheads from the operational site to the location within the Continental limits of the United States where disassociation of AEC and AF material takes place.
  3. Disassociating AEC and USAF materials necessary, performing an inspection of the disconnected cables and connectors for bent pins or other damage, and packaging of the warhead for transport. Inspection results and information concerning any other difficulties encountered while removing the warhead should be reported promptly to SC, Mr. J. R. Harrison, Division 2121.
  4. Delivery of four Mk 28 Type 2 Warheads to the designated AEC facility.
  5. Providing labor and handling equipment to load and unload material at AF facilities (see Paragraph D<sup>4</sup>).
  6. Selection of an aircraft from the alert fleet and loading of the aircraft with the denuclearized weapon(s).
  7. Arranging and scheduling the missile firings and advising SC of proposed dates.
  8. Recovery and delivery, when desired by SC, and when impact location and water depth permit, of warhead residue in the recovered configuration to SC, Mr. J. R. Harrison, Division 2121, Albuquerque, New Mexico.

9. Furnishing SC with operational test results associated with weapon system function, photographs, available missile flight data, and/or information on irregularities in firing or prefiring for inclusion in final reports on the program.
  10. Participating with SC as required in the analysis and preparation of final reports of the missile firing program.
- D. AEC-AJO and/or SC is responsible for:
1. Denuclearization of a single warhead within 5 working days of receipt at the designated AEC facility. If more than one warhead is being denuclearized concurrently, some reduction in the total of 20 days' denuclearization time may be realized. Selected components of Type 2 Warheads will be used in the denuclearization process. The denuclearized warheads will be identified with unique markings.
  2. Retention of all residue resulting from the denuclearization procedure.
  3. Transportation as follows:
    - a. WR Mk 28 Warheads from the location within the Continental limits of the United States where disassociation of AEC and AF material takes place, to a designated AEC facility.
    - b. Denuclearized Mk 28 Warheads from the AEC facility to the location within the Continental limits of the United States where reassociation of AEC and AF material takes place.
  4. Performing loading or unloading supervision when AEC contract or controlled aircraft are used for transportation.
  5. Issuing final report on warhead and missile performance at the conclusion of all four missile firings in the program; USAF data will be included. Distribution will be in accordance with existing stockpile-sampling-report procedures.

## E. Markings

1. Upon completion of work at the AEC facility, each denuclearized warhead will be marked: "Mk 28 Mod \_\_\_\_\_  
Denuclearized Warhead - Mixed Marble I - Serial No. \_\_\_\_\_,"  
followed by nickname (e.g., "Georgia Boy," "Hot Roof"),  
which will be provided by SAC from the Fragmentary Operations  
Order for the test. -

## F. Funding

Each agency will fund for the activities for which it is responsible.

1. USAF funding will include:
  - a. USAF observers and other USAF personnel costs.
  - b. All firing mission, instrumentation coverage, and recovery costs.
  - c. Type 2 Warhead cost.
  - d. Cost of transportation as delineated in Paragraph C4.
2. AEC funding will include:
  - a. AEC/SC observers and other personnel costs.
  - b. Cost of denuclearization of the warheads.
  - c. Cost of the final program report.
  - d. Cost of transportation as delineated in Paragraph D3.
3. No cross-funding will be involved.

## G. Security

Each party assumes responsibility, when physical possession is taken, for safeguarding classified information and material received from the other party. Such safeguarding will be in accordance with the regulations of the receiving party.

H. Certification:

Upon completion of each denuclearization process, the AEC/SC and SAC observers will certify in writing that the established denuclearization procedures have been complied with. (See sample Certificate below.)

CERTIFICATE OF WORK

This certifies that (Bomb) (Warhead) (Basic Assembly), Serial No. \_\_\_\_\_ was modified this date \_\_\_\_\_ in accordance with \_\_\_\_\_ procedures contained in Sandia Corporation Quality Engineering Project (QEP) No. \_\_\_\_\_ QEP No./Date

\_\_\_\_\_  
SAC Observer

\_\_\_\_\_  
AEC/SC Observer

NOTE: Do not insert any information above that associates Mk/Mod with serial number.

Distribution:

2 copies to SAC Observer

1 copy to Sandia Corporation/AEC Observer

EBF:2121:lmk

Distribution:

(See page 6)

Distribution

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## Distribution:

- 1-25/39A - L. C. Kersey, Dir., Special Activities Div., AEC-ALO
- 26/39A - S. P. Schwartz, 1
- 27/39A - W. A. Gardner, 1500
- 28/39A - J. W. Jones, 1510
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- 38/39A - Central Technical File, 3428-1
- 39/39A - E. H. Draper, 2000

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