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SUBJECT: OSD MDR Cases 11-M-1010, -1011, -1013, -1014, -1015, and -1026

We have reviewed the attached documents and have no objection to declassification in full. The information you requested is provided in the table below:

OSD Case Number 11-M-	Current Controlling Agency	Current Controlling Official	Current Distribution Control Statement	Current Overall Classification Level	Current Downgrading Instructions	Current Declass. Instructions
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1013	WHS	OSD Records Official	A Release Unlimited	C	N/A	N/A
1014	WHS	OSD Records Official	A Release Unlimited	C	N/A	N/A
1015	WHS	OSD Records Official	A Release Unlimited	S	N/A	N/A
1026	WHS	OSD Records Official	A Release Unlimited	S	N/A	N/A

If you have any questions, contact me by phone at 703-696-2197 or by e-mail at storer.robert@whs.mil or robert.storer@whs.smil.mil.

Robert Storer

- Enclosures:
1. DTIC request
 3. Six documents

Robert Storer
 Chief, Records and Declassification Division


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HEADQUARTERS AIR MATERIEL COMMAND

WRIGHT FIELD, DAYTON, OHIO

11-M-1013 R-1
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REEL - C

74

A.T.I.

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CONFIDENTIAL

1 October 1945

14-17

Air Documents Division, T-2
AMC, Wright Field
Microfilm No.

RC-74 F 2423

GB-4

ATT No. 2423

2000 LB. TELEVISION GLIDE BOMB

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X-135461-AA

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GB-4

3

COMMENTS 14-17-11
1 Oct 1945

1. Dates - This project was initiated 24 July 1942 and the GB-4 glide bomb standardized 8 July 1944.
2. Further Development - Tests to improve the control and the television reception will be incorporated in development of the GB-15 glide bomb which will include radar tracking as an additional means of obtaining position information.
3. Priority - 3C.
4. Security - Confidential.
5. Development Agencies Involved - ATSC, RCA, NDRC, Hammond Inst. Co.
6. Research in Process Affecting Project - GB-15 glide bomb development.
7. Similar Devices - GB-15 glide bomb.
8. Headquarters Activities Affecting Project - (See next page.)

SECRET

GB-4

COMMENTS (Cont'd) 14-17-11
1 Oct 1945

3. Headquarters Activities Affecting Project -

a. Information was forwarded to the AC/AS, OCAF, on the potentialities of adding a radar beacon to the GB-4. After the GB-4 with a beacon is dropped, a combined radar-operator, television-operator team directs it to the target, with the radar-operator navigating the GB-4 to the target area by observing the progress of the GB-4 on his PFI scope and by constantly informing the television-operator (who controls the GB-4) of the position of the GB-4 in relation to the target area. The advantages of this procedure are that the television operator would always know where the GB-4 is, even though it has to come through an overcast. He will know where to look for the target, and have time to identify the target for the final precise television approach. The reply was received that, although glide bombs are still considered a disadvantage because they detract from the performance of the carrying airplane, this new procedure offers many more possibilities than the present use of the GB-4, that the combat theaters would be checked concerning possible requirements, and that priority should continue at 3A. This information was forwarded to the Air Technical Service Command on 15 June 1945, with a directive to continue development on the procedure of radar navigation with television final approach. It was recommended that if the GB-4 is used for this development that a new number be assigned.

b. It is further planned, at present, to consider the GB-4 for possible "close-support" operations against Japanese caves or strong-points.

c. Preliminary studies indicate that the VHB's (B-29 and B-32) can carry four (4) glide bombs, plus all or a large part of their normal bomb load (depending on desired range of operation).

SECRET

X-135-61-AA

REEL - C

74

A.T.I.

2 4 2 3

TITLE: GB-4 - 2000 lb Televiston Glide Bomb

ATI- 2423

AUTHOR(S): U.S. Air Materiel Command

(Dayton, Ohio)

ORIGINATING AGENCY: Air Materiel Command, Wright-Patterson Air Force Base,

PUBLISHED BY: (Same)

REVISION

1-10-45

ORIG. AGENCY NO.

AAF-MD-E 98-14-17

PUBLISHING AGENCY

DATE	DOC. CLASS.	COUNTRY	LANGUAGE	PAGES	ILLUSTRATIONS
Oct '45	Conf'd'l	U.S.	Eng.	3	(None)

ABSTRACT:

The possibility of adding a radar beacon to the GB-4 glide bomb is discussed. This would involve the use of a radar-operator to navigate the GB-4 to the target by observing its progress on a PPI scope and constantly informing the television-operator (who controls the GB-4) of the position relative to the target area. It is planned, at present, to consider the GB-4 for possible "close support" operations against Japanese caves and strongpoints. Preliminary studies indicate that the VHB's (B-29 and B-32) can carry 4 glide bombs plus all or a large part of their normal bomb load depending on the desired range of operation. The GB-15, a similar device, is in development. Tests to improve the control and televiston reception will be incorporated in the development of the GB-15, which will also include radar tracking.

DISTRIBUTION: Copies of this report obtainable from Air Documents Division; Attn: MCIDXD

DIVISION: Guided Missiles (1)
SECTION: Guidance and Control (1)

SUBJECT HEADINGS: Missiles - Guidance and control (62030);
Missiles, Tracking (62016.3); Bombs, Glide - Controlled
(17400); Missiles, Guided - Development (62920); GB-4 (17400);
GB-15 (62920)

ATI SHEET NO.: C-1-1-48

Air Documents Division, Intelligence Department
Air Materiel Command

AIR TECHNICAL INDEX
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Wright-Patterson Air Force Base
Dayton, Ohio

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CONFIDENTIAL**ATI- 2423****TITLE: GB-4 - 2000 lb Television Glide Bomb**

REVISION

1-10-45

AUTHOR(S): U.S. Air Materiel Command

(Dayton, Ohio)

ORIGINATING AGENCY: Air Materiel Command, Wright-Patterson Air Force Base,

OCSG. AGENCY NO.

AAF-MD-E 98-14-17

PUBLISHED BY: (Same)

PUBLISHING AGENCY NO.

DATE	DOC. CLASS.	COUNTRY	LANGUAGE	PAGES	ILLUSTRATIONS
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GB-15 (62920)**
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