

8 August 2012

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NATIONAL RECONNAISSANCE OFFICE
Hard and Deeply Buried Target (HDBT)
Working Group Charter (U//~~FOUO~~)
Third Draft, August 2000

1. (U) INTRODUCTION

a. ~~(S//NF)~~ Problem. One of most challenging intelligence problems facing DoD and the Intelligence Community (IC) are Hard and Deeply Buried Targets (HDBT).

(b)(1)1.4, (b)(3) 50 USC 403-1

The growing strategic leverage of adversary programs coupled with foreign denial and deception (D&D) will only make HDBTs less likely to be detected.

b. ~~(S//NF)~~ Requirement. Improved capability to find, characterize and assess HDBTs through focusing NRO capabilities and initiatives on this DNRO-priority Hard Problem challenge.

2. (U//~~FOUO~~) PURPOSE. The purpose of the NRO HDBT Working Group is to:

- a. ~~(S//NF)~~ Increase the awareness of the HDBT problem within NRO to ensure that community needs and requirements are addressed.
- b. ~~(S//NF)~~ Facilitate the use of current and future NRO capabilities that operationally support HDBT requirements and/or enhance DoD/IC mission success against the HDBT problem.
- c. (U) Produce a top-level NRO White Paper(s) addressing NRO challenges against HDBTs.

3. (U//~~FOUO~~) MEMBERSHIP. The NRO HDBT Working Group will be chaired by the Corporate Operations Office (COO) and will consist of representatives from the following NRO organizations/offices:

- Deputy Director Military Support (DDMS)
- Deputy Director National Support (DDNS)
- Advanced Systems and Technology (AS&T)
- Imagery Intelligence (IMINT)
- Signals Intelligence (SIGINT)
- Communications Directorate (COMM)
- Mission Integration Office (MIO)
- Corporate Operations Office (COO)
- Office of Policy (OP)
- Operational Support Office (OSO)
- Operational Support Facility (OSF)

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Membership may be expanded as needed – the intent is to include all interested NRO organizations.

4. (U) RESPONSIBILITIES.

a. ~~(S//NF)~~ NRO HDBT WG Chair:

- Chairs the NRO HDBT Working Group meetings
- Schedules the Working Group meetings
- Manages the Working Group agenda
- Approves the Working Group minutes
- Communicates the position of the HDBT WG concerning HDBT issues and support to NRO senior leadership
- Invites other DoD and IC agencies to participate in Working Group meetings as appropriate
- Request NRO briefings from SPO's to provide information on current and future efforts addressing the HDBT problem
- Coordinates NRO and WG members action items on HDBTs
- Provides an NRO focal point for DoD, IC, other U.S. Government departments, agencies and industry

b. (U) NRO HDBT WG Executive Assistant:

- Disseminates meeting notifications
- Publishes and disseminates Working Group agendas
- Records and, upon Chair approval, disseminates Working Group minutes
- Tracks and reports status of action items

c. ~~(S//NF)~~ NRO HDBT WG Members:

- Serve as Point of Contact (POC) for their organizations/office
- Recommend attendance or informational briefings
- Recommend actions/positions to the HDBT Chair
- Address HDBT issues of concern
- Identify NRO capabilities that may address the HDBT problem
- Disseminate HDBT needs, requirements and information within organizations/offices
- As required, involve other members of their organizations as subject matter experts to address action items

5. ~~(S//NF)~~ FUNCTIONS. The NRO HDBT WG will support NRO-related activities in support of the HDBT problem. Accordingly, the NRO HDBT WG will:

a. ~~(S//NF)~~ Facilitate collaboration within the NRO and between NRO and IC, DoD and DOE organizations with respect to HDBT.

b. ~~(S//NF)~~ Educate the NRO on the HDBT problem and customer needs.

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- c. ~~(S//NF)~~ Inform the IC/DoD/DOE community of NRO capabilities and future efforts.
- d. ~~(S//NF)~~ Identify/address current and future NRO capabilities to support HDBT requirements.
- e. ~~(S//NF)~~ Identify and coordinate HDBT needs and requirements within the NRO.
- f. (U) Produce "white paper(s)" outlining the HDBT problem, customer needs and recommendations.

6. (U) ADMINISTRATION.

- a. ~~(S//NF)~~ The NRO HDBT WG will meet monthly or as directed by the Chairperson. The Chairperson may appoint task groups to produce white papers and/or to address specific issues.
- b. ~~(S//NF)~~ HDBT GWAN email groups have been established (e.g. – *oso-hdbt*, *ddms-hdbt*, *nro-hdbt*) and will be used to disseminate HDBT information, notifications of meeting and to coordinate HDBT documents.
- c. (U) A shared GWAN HDBT folder will be used for repository of HDBT information. (*located at S:\Organizations\OAAA\SHARED\HDBT Working Group*).
- d. (U) Minutes from the NRO HDBT Working Group meetings will be compiled and, upon approval of the Chairperson, disseminated to WG members via HDBT email groups by the NRO HDBT WG Executive Assistant.

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APPENDIX A – Definitions **

1. (U) HDBT. A **HDBT** is a generic term referring to all types of intentionally hardened targets, either above or below ground, which are designed to withstand or minimize kinetic weapons effects. All hardened structures can be further defined or grouped into one of three types. These types are defined based upon the location (above or below ground surface) of the roof of the structure's functional work space.

(a) (U) **Above Hardened Structures** – the roof of the structure's functional workspace is above the ground surface level. These structures can be either completely aboveground, partially buried or mounded.

(b) (U) **Shallow Underground Hardened Structures** – the roof of the structure's functional workspace is between the ground surface level and 20 meters deep.

(c) (U) **Deep Underground Hardened Structures or Deep Underground Facility (DUG)** – the roof of the structure's functional workspace is buried by soil and /or rock at a depth of 20 or more meters.

2. (U) Operational elements.

- **Find** – detect, locate and identify existing and new HDBTs
- **Characterize** – identify mission, critical function, physical attributes, internal configuration, supporting infrastructure, umbilicals, geology and assess HDBT vulnerabilities.
- **Plan** – Match the right mix of attack options with the characterization of the HDBT to achieve the required target defeat
- **Attack** – execute the plan to achieve the desired effect and survivability
- **Assess** – determine the effectiveness of the attack, requirements for follow-up action and update the state of the HDBT.

3. (U) Intelligence and Function/Mission Related Terms.

- **Known facility** – a facility that has been detected, confirmed and categorized by function with some degree of confidence
- **Assessed facility** – a facility believed to exist based on intelligence reporting, but the specific location has not been confirmed.
- **Enigma facility** – a located facility that cannot be categorized satisfactorily by function.
- **Projected facility** – a non-existent facility either identified by intelligence as planned for, or expected as a natural extension of a country's overall underground program growth.

** from *DIA Lexicon of Hardened Structure Terms and Definitions, on INTELINK at*

(b)(3) 10 USC 424

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