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Missile Defense Agency

~~(U)~~ ***GBI Mission Overview***

~~(U)~~ ***RFI Part 3 Draft Input***

**Prepared By: MDA/GMG
20 November 2014**

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~~(U)~~ Outline

- ◆ ~~(U)~~ Ground Based Interceptor (GBI) Mission Overview / System Interfaces

- ◆ ~~(U)~~ Exoatmospheric Kill Vehicle (EKV) Discrimination Overview
 - (U) EKV on-board sensor data processing for target selection

- ◆ ~~(U)~~ Target Object Map (TOM) Overview
 - ~~(U)~~ Ground Based Fire Control (GFC) uses radar track data provided to assist or direct EKV target selection

~~(U)~~ This briefing addresses the RFI Part 3 GBI mission topics “where to look, acquire certain things, what to look at, and system interfaces”

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(U) GBI Exoatmospheric Kill Vehicle (EKV) Mission Events

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~~(U)~~ EKV Discrimination Data Process Flow

(b)(1), (b)(3): 10 USC §130

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~~(U)~~ EKV Discrimination Process

(b)(1)

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~~(U)~~ TOM Design Overview

(b)(3):10 USC § 130

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~~(U)~~ TOM Algorithm Flowchart

(b)(3):10 USC §130

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~~(U)~~ Back Cover

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attached classified material**

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