(S//REL TO USA, FVEY) United States Cyber Command Concept of Operations (CONOP) [(b)(1) Sec 1.4(a)]
[(b)(1) Sec 1.4(a)]

(U//FOUO) OPERATION GLOWING SYMPHONY

Signature _____

Position _____

Date _____

JUN 2 7 2018

FOIA review completed on _____.
Portions of this document no longer
meets the classification standards
established by Executive Order 13526,
Classified National Security Information,
Section 1.4. As such, I am downgrading
specific portion-marked paragraphs as
"UNCLASSIFIED." Partial classification
downgrade executive by: ROSS A. MYERS
Rear Admiral, U.S Navy Chief of Staff

Classified By: [(b)(3)]

Derived From: NSA/CSSM 1-S2

Dated: 20130930

Declassify On: 20410913

REF/A/EXORD/(U) OPERATION INHERENT RESOLVE (S)/CJCS/171531Z OCT14/-//

REF/B/EXORD/ (S//REL TO USA, FVEY) [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)]

(TS//NF)/CJCS/182045ZMAY2007/-//

REF/C/DOC/ (U) (S//REL TO USA, FVEY) TRILATERAL MEMORANDUM OF AGREEMENT AMONG THE DOD, DOJ AND INTELLIGENCE COMMUNITY REGARDING COMPUTER NETWORK ATTACK (CNA) AND COMPUTER NETWORK EXPLOITATION (CNE)
(S//NF)/DNI/-/-//
REF/D/FRAGO/ (S//REL TO USA, FVEY) USCENTCOM [(b)(1) Sec 1.4(a)]
[(b)(1) Sec 1.4(a)]
FVEY)/USCENTCOM/251510Z NOV 15/OPORD 24//

REF/E/OPORD/(U) USCYBERCOM OPORD 15-055 IN SUPPORT OF OPERATION INHERENT RESOLVE (S//REL TO USA, FVEY)/USCYBERCOM/291925Z MAR 15/-//

REF/F/INSTRUCTION/(U//FOUO) DEPARTMENT OF DEFENSE INSTRUCTION O-3600.03, TECHNICAL ASSURANCE STANDARD (TAS) FOR COMPUTER NETWORK ATTACK (CNA) CAPABILITIES (U//FOUO)/USDI/22 APR 2010/-//
REF/H/OPORD/(U//FOUO) JTF-ARES OPORD1 (S//REL TO USA, FRA, FVEY)/USCYBERCOM/14JUN16//

REF/I/DOC/ (S//REL TO USA, FVEY) APPROVAL OF TACTICS TO [(b)(1) Sec 1.4(a)]
[(b)(1) Sec 1.4(a)] (S//REL TO USA, FVEY)//USCYBERCOM//19JUL16//

REF/J/DOC/ (TS//SI//REL TO USA, FVEY) OP GLOWING SYMPHONY [(b)(1) Sec 1.4(a)]
[(b)(1) Sec 1.4(a)]DOCUMENT (TS//HCS-P/SI//ORCON/NOFORN/FISA)//JTF-ARES//13SEP16//

NARR/(S//REL TO USA, FVEY, FRA) OPERATION GLOWING SYMPHONY IS AN OFFENSIVE CYBERSPACE OPERATION [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)]

ISLAMIC STATE IN IRAQ AND THE LEVANT WITHIN IRAQ AND SYRIA.

GENTEXT/SITUATION/1.

1.A. (TS//SI//REL TO USA, FVEY/FISA) General Situation. [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)]

1.A.1. (TS//SI//REL TO USA, FVEY/FISA) [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)]

1.B. (S//REL TO USA, FVEY) Area of Operations – The area of operations includes [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)]

1.C. (U) Enemy.

1.C.1. (S//REL TO USA, FVEY) ISIL's primary cyberspace initiative uses the Internet as a conduit to target global audiences to recruit and radicalize. Specifically, ISIL creates media to provide legitimacy to their self-proclaimed caliphate and to recruit sympathizers to convert to their ideology and join their cause. ISIL's messages are primarily meant to appeal to [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)] however, ISIL tailors their messages to attract others globally. In addition to its Internet messaging, ISIL provides media to the local populace [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)]

1.C.2. (U) ISIL also uses media to threaten and intimidate. For example, ISIL's gruesome videos are meant to intimidate and strike fear into their adversaries and local populace to reduce their will to fight and ensure local populations remain compliant with ISIL rule. ISIL messages that threaten foreign governments are meant to deter foreign military intervention or demand ransom for foreign hostages.

1.C.3. (S//REL TO USA, FVEY) ISIL's high quality propaganda has effectively enabled ISIL's personnel recruitment from susceptible local and foreign Muslim populations. In addition to the recruitment of personnel for combat, ISIL actively [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)] ISIL is struggling to attract a sufficient number of recruits

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with the [(b)(1) Sec 1.4(a)] expertise needed to provide governing and social services; however, those current struggles are not likely to deter ISIL from maintaining these aspirations.

1.C.4. (TS//SI//REL TO USA, FVEY) ISIL has [(b)(1) Sec 1.4(a)] media establishments responsible for the group's strategic media and propaganda production [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)] These outlets serve as the group's primary arms for communicating leadership and religious guidance, as well as highlighting activities across ISIL-controlled territory. Although these establishments [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)] create specific products. In order to (IOT) make the highest quality media products, central media developers have access to multiple media sources. This includes raw and finished media files developed by the [(b)(1) Sec 1.4(e)] [(b)(1) Sec 1.4(a)] media establishments, access to the Internet to download media files, and the ability to record and create their own organic media files.

1.C.5. (TS//SI//REL TO USA, FVEY) ISIL employs cadres of personnel with varying levels of expertise and responsibility to acquire, develop, administer, and maintain information networks utilizing both private and public Internet infrastructure. These individuals are responsible for the management of data communications projects, such as the creation and establishment of websites and mobile applications in support of (ISO) ISIL media, as well as the creation and management of network projects designed to [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)]

1.C.6. (TS//SI//REL TO USA, FVEY/FISA) The self-proclaimed Islamic State of Iraq and the Levant (ISIL) [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)] support to ISIL media organizations and supports ISIL ability to distribute propaganda, and facilitate [(b)(1) Sec 1.4(a)]

1.C.7. (TS//SI//REL TO USA, FVEY/FISA) The self-proclaimed Islamic State of Iraq and the Levant (ISIL) [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)] support to ISIL media organizations and supports ISIL ability to distribute propaganda, and facilitate [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)]

1.C.8. (TS//SI//REL TO USA, FVEY/FISA) The self-proclaimed Islamic State of Iraq and the Levant (ISIL) [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)]

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(b)(1) Sec 1.4(a)

1.C.9. (TS//SI//REL TO USA, FVEY/FISA) (b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a) ISIL's self-declared Caliphate, external provinces, and globally dispersed supporters. (b)(1) Sec 1.4(a) support to ISIL media organizations and supports ISIL ability to distribute propaganda, and facilitate (b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

1.C.10. (TS//SI//REL TO USA, FVEY/FISA) (b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a) privileges to establish, maintain and troubleshoot software and deal with terms of service notifications (1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

1.C.11. (TS//SI//REL TO USA, FVEY/FISA) (b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

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1.C.12. (TS//SI//REL TO USA, FVEY/FISA) [(b)(1) Sec 1.4(a)]

[{b)(1) Sec 1.4{a)]

1.D. (U) <u>Friendly</u>.

1.D.1. (S//REL TO USA, FVEY) USCYBERCOM directs assigned and/or supporting forces IOT support the dismantlement of ISIL in accordance with (IAW) Ref A. USCYBERCOM forces are staffed, trained, and equipped to collect, report intelligence, information, and, when authorized and directed, posture to and conduct cyberspace operations (CO) against [b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)] valid military targets approved by Commander, United States Cyber Command (CDRUSCYBERCOM) IAW Ref B [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)] Joint Task Force – ARES (JTF-ARES).

1.D.2. (TS//SI//NF) [(b)(1) Sec 1.4(a)] (b)(1) Sec 1.4(a) in conjunction with synchronized Federal Bureau of Investigation (FBI), National Security Agency (NSA), and Coalition partner efforts. [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)] and [(b)(1) Sec 1.4(a)] media applications that [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)] Organizations. These accounts and infrastructure were [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)]

1.D.3 (TS//SI//NF) According to Intelligence Community (IC) reporting, [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)] Operation GLOWING SYMPHONY (OGS) is an operational [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)]

1.D.4. (TS//SI//REL TO USA, FVEY) The intended cyber effects in this concept of operations (CONOP) are part of [(b)(1) Sec 1.4(a)] (b)(1) Sec 1.4(a) of more favorable [(b)(1) Sec 1.4(a)] This operation is supporting USCENTCOM and CJTF-OIR operations. [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)] of externally-hosted U.S. and worldwide [(b)(1) Sec 1.4(a)]
[(b)(1) Sec 1.4(a)]
[(b)(1) Sec 1.4(a)] and worldwide accounts and infrastructure will generate [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)] United States Central Command (USCENTCOM) and Special Operations Command (USSOCOM) efforts in Iraq and Syria.

1.D.5. (S//REL TO USA, FVEY) JTF-ARES will implement the method described in this CONOP and coordinate with appropriate interagency (IA) and coalition partners [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)]

1.D.6. (S//REL TO USA, FVEY) JTF-ARES, in association with USCYBERCOM, will coordinate with U.S. government and coalition partners, [(b)(1) Sec 1.4(a)]
[(b)(1) Sec 1.4(a)]

1.D.7. (U//FOUO) Within this CONOP, all references of "Operators" and "Analysts" will refer to personnel on teams operationally-controlled (OPCON) by JTF-ARES, unless otherwise specified.

1.D.8. (S//REL TO USA, FVEY) Within this CONOP and per Ref I, [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)] approved USCYBERCOM [(b)(1) Sec 1.4(a)]
[(b)(1) Sec 1.4(a)]
[(b)(1) Sec 1.4(a)] while allowing USCYBERCOM operators to [(b)(1) Sec 1.4(a)] at will. Account [(b)(1) Sec 1.4(a)]
[(b)(1) Sec 1.4(a)]

1.E. (U) Constraints.

1.E.1. (S//REL TO USA, FVEY) [(b)(1) Sec 1.4(a)]
[(b)(1) Sec 1.4(a)] under the control of ISIL or a surrogate entity.

1.E.2. (S//REL TO USA, FVEY) Operational objectives will be achieved using only the minimum effects necessary. The intended effects under this order will [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)] IAW the definition in Ref B.

1.E.3. (S//REL TO USA, FVEY) Actions and effects will be [(b)(1) Sec 1.4(a)]
[(b)(1) Sec 1.4(a)] There will be [(b)(1) Sec 1.4(a)]
[(b)(1) Sec 1.4(a)] in the United States, [(b)(1) Sec 1.4(a)]

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1.E.4. (S//REL TO USA, FVEY) Actions in this operation [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)]

1.E.5. (S//REL TO USA, FVEY) Overall freedom of Internet usage is to be maintained with

[(b)(1) Sec 1.4(a)]

1.F. (U) Restraints.

1.F.1. (S//REL TO USA, FVEY) [(b)(1) Sec 1.4(a)]
[(b)(1) Sec 1.4(a)] the U.S. or its territories.

GENTEXT/MISSION/2. (S//REL TO USA, FVEY) Mission. On Order, Commander, Joint Task Force – ARES (CDRJTF-ARES) conducts offensive cyberspace operations (OCO) and

[(b)(1) Sec 1.4(a)]

GENTEXT/EXECUTION/3.

3.A. (U) Concept of Operations.

3.A.1. (U) Commander's Intent.

3.A.1.A. (S//REL TO USA, FVEY) Purpose. ISO USCENTCOM's operations [(b)(1) Sec 1.4(a)] Syria to dismantle and ultimately defeat ISIL, USCYBERCOM conducts [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)]

3.A.1.B. (TS//SI//REL TO USA, FVEY) Method. JTF-ARES actions will [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)] JTF-ARES will [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)] JTF-ARES will [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)]

lockout, JTF-ARES personnel will use [(b)(1) Sec 1.4(a)]

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| (b)(1) Sec 1.4(a) | JTF-ARES will execute for a |

duration not to | (b)(1) Sec 1.4(a) |

| (b)(1) Sec 1.4(a) |

3.A.1.C. (S//REL TO USA, FVEY) Endstate. ISIL's freedom of movement in cyberspace to distribute and | (b)(1) Sec 1.4(a) |
| (b)(1) Sec 1.4(a) |

3.B. (U) Objectives and Effects.

3.B.1. (S//REL TO USA, FVEY) JTF-ARES Objective 15. | (b)(1) Sec 1.4(a) | the Internet.

3.B.1.A. (S//REL TO USA, FVEY) Effect 1A. | (b)(1) Sec 1.4(a) | network services and applications is | (b)(1) Sec 1.4(a) |

3.B.1.A.1. (U//FOUO) Measure of Performance (MOP) 1. Assigned forces execute | (b)(1) Sec 1.7(e) |
| (b)(1) Sec 1.7(e) |

3.B.1.A.2. (S//REL TO USA, FVEY) MOP 2. | (b)(1) Sec 1.4(a) | accounts | (b)(1) Sec 1.4(a) |
| (b)(1) Sec 1.4(a) | initiation.

3.B.2. (S//REL TO USA, FVEY) JTF-ARES Objective 3. | (b)(1) Sec 1.4(a) | media.

3.B.2.A. (S//REL TO USA, FVEY) Effect 2A. | (b)(1) Sec 1.4(a) | media products is
(b)(1) Sec 1.4(a)

3.B.2.A.1. (S//REL TO USA, FVEY) MOP 1 | (b)(1) Sec 1.4(a) | accounts.

3.B.2.A.1.A. (S//REL TO USA, FVEY) Measure of Effectiveness (MOE) 1. | (b)(1) Sec 1.4(a) |
| (b)(1) Sec 1.4(a) | accounts.

3.B.2.A.2. (S//REL TO USA, FVEY) MOP 2 | (b)(1) Sec 1.4(a) | domains.

3.B.2.A.2.A. (S//REL TO USA, FVEY) MOE 2. | (b)(1) Sec 1.4(a) |
| (b)(1) Sec 1.4(a) | available for use in support of media.

3.B.2.A.1.B. (S//REL TO USA, FVEY) Indicator. | (b)(1) Sec 1.4(a) |
| (b)(1) Sec 1.4(a) |

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3.B.2.A.3. (S//REL TO USA, FVEY) MOP 3 [(b)(1) Sec 1.4(a)] VPS.

3.B.2.A.3.A. (S//REL TO USA, FVEY) MOE 3. Observed [(b)(1) Sec 1.4(a)] VPSs.

3.B.2.A.3.B. (S//REL TO USA, FVEY) Indicator. [(b)(1) Sec 1.4(a)] VPS [(b)(1) Sec 1.4(a)] reconstituted elsewhere.

3.B.2.B. (S//REL TO USA, FVEY) Effect 2B. [(b)(1) Sec 1.4(a)] media products is disrupted.

3.B.2.B.1. (S//REL TO USA, FVEY) MOP 1 [(b)(1) Sec 1.4(a)] accounts.

3.B.2.B.1.A. (S//REL TO USA, FVEY) MOE 1. Observed [(b)(1) Sec 1.4(a)] owned email.

3.B.2.B.2. (S//REL TO USA, FVEY) MOP 2 [(b)(1) Sec 1.4(a)] domains.

3.B.2.B.2.A. (S//REL TO USA, FVEY) MOE 2. Observed [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)] names available for use in support of media dissemination.

3.B.2.B.2.B. (S//REL TO USA, FVEY) Indicator. [(b)(1) Sec 1.4(a)] webpages [(b)(1) Sec 1.4(a)] or reconstituted elsewhere.

3.B.2.B.3. (S//REL TO USA, FVEY) MOP 3 [(b)(1) Sec 1.4(a)] VPS.

3.B.2.B.3.A. (S//REL TO USA, FVEY) MOE 3. Observed [(b)(1) Sec 1.4(a)] VPSs.

3.B.2.B.3.B. (S//REL TO USA, FVEY) Indicator. [(b)(1) Sec 1.4(a)] webpages [(b)(1) Sec 1.4(a)] reconstituted elsewhere.

3.B.3. (S//REL TO USA, FVEY) JTF-ARES Objective 4. [(b)(1) Sec 1.4(a)] social media.

3.B.3.A. (S//REL TO USA, FVEY) Effect 3A [(b)(1) Sec 1.4(a)] social media [(b)(1) Sec 1.4(a)] disrupted.

3.B.3.A.1. (S//REL TO USA, FVEY) MOP 1 [(b)(1) Sec 1.4(a)] accounts.

3.B.3.A.1.A. (S//REL TO USA, FVEY) MOE 1. Observed [(b)(1) Sec 1.4(a)] accounts.

3.B.3.A.2. (S//REL TO USA, FVEY) MOP 2 [(b)(1) Sec 1.4(a)] domains.

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3.B.3.A.2.A. (S//REL TO USA, FVEY) MOE 2. Observed [(b)(1) Sec 1.4(a)] media applications.

3.B.3.A.2.B. (S//REL TO USA, FVEY) Indicator. Observed [(b)(1) Sec 1.4(a)] media applications.

3.B.3.A.3. (S//REL TO USA, FVEY) MOP 3 [(b)(1) Sec 1.4(a)] VPS.

3.B.3.A.3.A. (S//REL TO USA, FVEY) MOE 3. Observed [(b)(1) Sec 1.4(a)] VPSs.

3.B.3.A.3.B. (S//REL TO USA, FVEY) Indicator. [(b)(1) Sec 1.4(a)] applications [(b)(1) Sec 1.4(a)] or reconstituted elsewhere

3.C. (U) Concept of Operations.

3.C.1 (TS//SI//REL USA, FVEY) Overview. This is a [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)]

only functions planned to be utilized.

3.C.1.A. (TS//SI//REL USA, FVEY) Upon the [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)] This operation will be conducted in six phases. [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)]

3.C.2. (TS//SI//REL USA, FVEY) Phase I [(b)(1) Sec 1.4(a)] JTF-ARES operators will

[(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)] The operators will

[(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)] JTF-ARES operators will utilize [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)]

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(b)(1) Sec 1.4(a)

3.C.3. (TS//SI//REL USA, FVEY) Phase II (b)(1) Sec 1.4(a) (b)(1) Sec 1.4(a) JTF-ARES operators will (b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a) JTF-ARES operators. These will (b)(1) Sec 1.4(a) (b)(1) Sec 1.4(a) This phase will be accomplished using two techniques: (b)(1) Sec 1.4(a) The two techniques for this phase will be executed as follows:

3.C.3.A. (TS//SI//REL USA, FVEY) (b)(1) Sec 1.4(a) JTF-ARES operators will utilize (b)(1) Sec 1.4(a) JTF-ARES (b)(1) Sec 1.4(a) (b)(1) Sec 1.4(a) The operators will enter the

(b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a) JTF-ARES operators will utilize (b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a) JTF-ARES will (b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

3.C.3.B. (TS//SI//REL USA, FVEY) (b)(1) Sec 1.4(a) JTF-ARES certified on-net

(b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a) JTF-ARES (b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a) JTF-ARES operators will (b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

JTF-ARES operators will utilize (b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a) JTF-ARES operators will utilize (b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a) As required, JTF-ARES will (b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

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                          (b)(1) Sec 1.4(a)
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3.C.4. (TS//SI//REL USA, FVEY) Phase III [(b)(1) Sec 1.4(a)]
[(b)(1) Sec 1.4(a)] JTF-ARES operators will utilize [(b)(1) Sec 1.4(a)]

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                          (b)(1) Sec 1.4(a)
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JTF-ARES operators will utilize [(b)(1) Sec 1.4(a)]
[(b)(1) Sec 1.4(a)] JTF-ARES operators will accomplish

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                          (b)(1) Sec 1.4(a)
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3.C.5. (TS//SI//REL USA, FVEY) Phase IV [(b)(1) Sec 1.4(a)]
[(b)(1) Sec 1.4(a)] JTF-ARES operators will utilize [(b)(1) Sec 1.4(a)]
[(b)(1) Sec 1.4(a)] This phase will be accomplished
utilizing two techniques: [(b)(1) Sec 1.4(a)] The two techniques for
this phase will be executed as follows:

3.C.5.A. (TS//SI//REL USA, FVEY) [(b)(1) Sec 1.4(a)] JTF-ARES operators will utilize the
[(b)(1) Sec 1.4(a)]
[(b)(1) Sec 1.4(a)] JTF-ARES operators will [(b)(1) Sec 1.4(a)]

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                          (b)(1) Sec 1.4(a)
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3.C.5.B. (TS//SI//REL USA, FVEY) [(b)(1) Sec 1.4(a)]

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                          (b)(1) Sec 1.4(a)
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[(b)(1) Sec 1.4(a)] JTF-ARES operators will utilize the

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                          (b)(1) Sec 1.4(a)
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[(b)(1) Sec 1.4(a)] JTF-
ARES will utilize [(b)(1) Sec 1.4(a)]
[(b)(1) Sec 1.4(a)]

3.C.6. (TS//SI//REL USA, FVEY) Phase V [(b)(1) Sec 1.4(a)]
[(b)(1) Sec 1.4(a] JTF-ARES operators will [(b)(1) Sec 1.4(a)]
[(b)(1) Sec 1.4(a)]

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3.C.7. (TS//SI//REL USA, FVEY) Phase VI | (b)(1) Sec 1.4(a) |

(b)(1) Sec 1.4(a)

These actions fall into three distinct categories:

3.C.7.A. (TS//REL USA, FVEY) | (b)(1) Sec 1.4(a) |

(b)(1) Sec 1.4(a) | JTF-ARES will

utilize | (b)(1) Sec 1.4(a) | Operators will utilize the normal and

(b)(1) Sec 1.4(a)

3.C.7.B. (TS//REL USA, FVEY) | (b)(1) Sec 1.4(a) |

(b)(1) Sec 1.4(a) | JTF-ARES will utilize |(b)(1) Sec 1.4(a)|

(b)(1) Sec 1.4(a) | JTF-ARES will | (b)(1) Sec 1.4(a) |

(b)(1) Sec 1.4(a)

B) JTF-ARES will | (b)(1) Sec 1.4(a) |

3.C.7.C. (TS//REL USA, FVEY) | (b)(1) Sec 1.4(a) . |

USCYBERCOM, JTF-ARES operators | (b)(1) Sec 1.4(a) |

(b)(1) Sec 1.4(a)

3.C.9. (U) Fires Support Coordination Measures.

3.C.9.A. (U//FOUO) Deconfliction. Aim points will be | (b)(1) Sec 1.7(e) |

(b)(1) Sec 1.7(e)

3.C.9.B. (U//FOUO) Pre-Mission. Pre-mission requirements are contained in the pre-mission checklist which is maintained | (b)(1) Sec 1.7(e) | in the USCYBERCOM Joint Operations Center (JOC). Set ALERT CONDITIONS IAW the Cyber Tasking Order (CTO).

3.C.9.C. (U//FOUO) Fires Execution List. The mission will be executed IAW the CTO and the mission execution checklist. The mission execution checklist is maintained | (b)(1) Sec 1.7(e) | (b)(1) Sec 1 in the USCYBERCOM JOC.

3.C.9.D. (S//REL TO USA, FVEY) Mission Abort. The USCYBERCOM JOC, or the Mission Commander may order mission abort. | (b)(1) Sec 1.4(a) | headquarters or agencies must be verified with the supported command and the USCYBERCOM JOC(b)(1) Sec 1.4(a)

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> (b)(1) Sec 1.4(a)

3.C.9.E. (S//REL TO USA, FVEY) Abort Procedures. When the order to abort mission is received or verified by proper authority, the USCYBERCOM JOC Watch Officer will immediately contact the Mission Commander to relay the order. The Mission Commander will (b)(1) Sec 1.4(a) the USCYBERCOM JOC Watch Officer.

3.C.9.F. (S//REL TO USA, FVEY) Cease Fire Authority. The USCYBERCOM JOC or the JTF-ARES Commander may order cease fire. (b)(1) Sec 1.4(a) headquarters or agencies must be verified with the supported command and the USCYBERCOM JOC (b)(1) Sec 1.4(a)

> (b)(1) Sec 1.4(a)

3.C.9.G. (TS//SI//REL TO USA, FVEY) Cease Fire Procedures. (b)(1) Sec 1.4(a) received or verified by proper authority, the (b)(1) Sec 1.4(a) will immediately contact the Mission Commander to relay the order. The Mission Commander will (b)(1) Sec 1.4(a) (b)(1) Sec 1.4(a) The Mission Commander will (b)(1) Sec 1.4(a) USCYBERCOM JOC Watch Officer.

3.C.9.H. (S//REL TO USA, FVEY) Re-Engage Authority. The order to re-engage can be given by the USCYBERCOM JOC, (b)(1) Sec 1.4(a) (b)(1) Sec 1.4(a) headquarters must be verified with the supported command and the USCYBERCOM JOC.

3.C.9.I. (S//REL TO USA, FVEY) Re-Engage Procedures. When the order to re-engage is received or verified by proper authority, the USCYBERCOM JOC Watch Officer will immediately contact (b)(1) Sec 1.4(a) to relay the order. The Mission Commander will (b)(1) Sec 1.4(a) The Mission Commander will (b)(1) Sec 1.4(a) USCYBERCOM JOC Watch Officer.

3.C.9.J. (TS//REL TO USA, FVEY) Continued Engagement and Targets Elements-of-Opportunity. (b)(1) Sec 1.4(a) JTF-ARES will monitor for

> (b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a) JTF-ARES will ensure that (b)(1) Sec 1.4(a)

> (b)(1) Sec 1.4(a)

Notification from JTF-ARES (b)(1) Sec 1.4(a) USCYBERCOM JOC will

> (b)(1) Sec 1.4(a)

3.C.10. (U) <u>Risk Analysis</u>.

3.C.10.A. ~~(TS//REL TO USA, FVEY)~~ <u>Infrastructure</u>. JTF-ARES will use [(b)(1) Sec 1.4(a)]

> (b)(1) Sec 1.4(a)

3.C.10.B. ~~(S//REL TO USA, FVEY)~~ <u>Risk Analysis and Mitigation.</u> [(b)(1) Sec 1.4(a)]

> (b)(1) Sec 1.4(a)

3.C.10.C. ~~(S//REL TO USA, FVEY)~~ <u>Risk 1</u>. USCYBERCOM operations could [(b)(1) Sec 1.4(a)]

> (b)(1) Sec 1.4(a)

3.C.10.D. ~~(S//REL TO USA, FVEY)~~ <u>Mitigation 1</u>. [(b)(1) Sec 1.4(a)]

> (b)(1) Sec 1.4(a)

3.C.10.E. ~~(S//REL TO USA, FVEY)~~ <u>Risk 2</u>. [(b)(1) Sec 1.4(a)]

> (b)(1) Sec 1.4(a)

3.C.10.F. ~~(S//REL TO USA, FVEY)~~ <u>Mitigation 2</u>. JTF-ARES retains [(b)(1) Sec 1.4(a)]

> (b)(1) Sec 1.4(a)

3.C.10.G. ~~(S//REL TO USA, FVEY)~~ <u>Risk 3</u>. [(b)(1) Sec 1.4(a)]

> (b)(1) Sec 1.4(a)

3.C.10.H. ~~(TS//SI//REL TO USA, FVEY)~~ <u>Mitigation 3</u>. JTF-ARES will [(b)(1) Sec 1.4(a)]

> (b)(1) Sec 1.4(a)

3.D. (U) <u>Tasks</u>.

3.D.1. (U) <u>JTF-ARES</u>.

3.D.1.A. (U//~~FOUO~~) <u>JTF-ARES Joint Intelligence Support Element (JISE)</u>. Provide intelligence analysis and planning as required, including intelligence assessments, estimates, and other

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intelligence products ISO the commander's decision-making process, | (b)(1) Sec 1.7(e) |

| (b)(1) Sec 1.7(e) |

3.D.1.B. (U//FOUO) JTF-ARES J2 Collection. Coordinate, synchronize, and provide end-to-end collection management support to all-source intelligence with the IC ensuring management of needs/requirements.

3.D.1.C. (U//FOUO) JTF-ARES LOE 2. Identify partnerships with external organizations to implement method.

3.D.1.D. (U//FOUO) JTF-ARES LOE 2. Refine planning with partners for execution of identified method.

3.D.1.E (TS//SI//REL TO USA, FVEY) JTF-ARES J3. Coordinate and ensure | (b)(1) Sec 1.4(a) |

| (b)(1) Sec 1.4(a) |

3.D.1.F. (TS//REL TO USA, FVEY) JTF-ARES J3. Assign an OGS | (b)(1) Sec 1.4(a) |

| (b)(1) Sec 1.4(a) |

3.D.1.G. (U//FOUO) JTF-ARES Fires. Ensure OGS is synchronized, integrated and executed

| (b)(1) Sec 1.7(e) |

3.D.2. (U//FOUO) CMT 701.

3.D.2.A. (S//REL TO USA, FVEY) Plan and coordinate this operation | (b)(1) Sec 1.4(a) |

| (b)(1) Sec 1.4(a) |

and execute OGS.

3.D.2.B. (S//REL TO USA, FVEY) Support JTF-ARES assessments | (b)(1) Sec 1.4(a) |

| (b)(1) Sec 1.4(a) |

3.D.2.C. (U) Forward requests for additional capabilities to JTF-ARES as required.

3.D.2.D. (U//FOUO) Within (b)(1) Sec 1.7(e) notification by JTF-ARES, implement tasked method IAW standard procedures.

3.D.2.E. (U//FOUO) Provide mission reports (MISREPs) within (b)(1) Sec 1.7(e) mission execution to support assessment of operation to JTF-ARES CUOPS. CUOPS will disseminate report to other organizations as required.

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3.D.2.F. (U//FOUO) BPT support long-term assessments to operational effectiveness and performance.

3.D.2.G. (U//FOUO) BPT provide mission planning updates to JTF-ARES.

3.D.3. (U) Assigned JTF-ARES Forces.

3.D.3.A. (U//FOUO) BPT provide Mission Commanders, operators, and analysts ISO this operation.

3.D.3.B. (TS//REL TO USA, FVEY) Ensure qualification [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)] ISO this operation.

3.D.3.C. (S//REL TO USA, FVEY) As directed, [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)] ISO this operation.

3.D.4. (U) USCYBERCOM.

3.D.4.A. (S//REL TO USA, FVEY) USCYBERCOM J3 coordinate with [(b)(1) Sec 1.4(a)] to leverage individual agency authorities and capabilities to support the objectives and effects as outlined above. Ensure all agency-specific actions are synchronized and deconflicted with all other participating agency actions.

3.D.4.B. (U//FOUO) USCYBERCOM J3 provide [(b)(1) Sec 1.7(e)] personnel to support research, rehearsals, and executions of this operation.

3.D.4.C. (S//REL TO USA, FVEY) Coordinate and de-conflict with [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)] accounts.

3.D.4.D. (U) USCYBERCOM Staff Judge Advocate (SJA) provide legal opinion to CDRUSCYBERCOM ISO OGS.

3.D.4.E. (S//REL TO USA, FVEY) USCYBERCOM SJA provide [(b)(1) Sec 1.4(a)] opinion regarding the [(b)(1) Sec 1.4(a)] during the course of this operation.

3.D.4.F. (S//REL TO USA, FVEY) USCYBERCOM J2 coordinate with [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)]

3.D.4.F. (U) USCYBERCOM J2 provide intelligence support to JTF-ARES as requested.

3.D.5. (U) Requested Support from IA Partners.

3.D.5.A. (S//REL TO USA, FVEY) Support and participate in the process [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)] and execution.

3.D.5.B. (U) Provide intelligence support prior to and during execution. Specific intelligence requirements will be passed by USCYBERCOM J2 prior to execution.

3.D.5.C. (U) Participate in USCYBERCOM appropriate boards, bureaus, cells, committees, and working groups (B2C2WGs) events ISO this operation.

3.D.5.D. (S//REL TO USA, FVEY) For units involved in the [(b)(1) Sec 1.4(a)] of the operation, provide or designate a representative for coordination, requests, and questions to be routed through.

3.D.6. (U) Requested Support from NSA.

3.D.6.A. (S//REL TO USA, FVEY) Partnering and support, as authorized and appropriate, in

[(b)(1) Sec 1.4(a)]

3.D.6.B. (S//REL TO USA, FVEY) Request [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)]

3.D.6.C. (S//REL TO USA, FVEY) Support and participate in the process [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)] execution of OGS.

3.D.6.D. (S//REL TO USA, FVEY) Designate a representative [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)] USCYBERCOM Operations.

3.D.7. (U) Requested Support from FBI.

3.D.7.A (S//REL TO USA, FVEY) Request FBI [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)]

3.D.7.B. (S//REL TO USA, FVEY) Designate a representativ [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)] USCYBERCOM Operations.

3.D.8. (U) Requested Support from GCHQ.

3.D.8.A. (S//REL TO USA, FVEY) Request GCHQ [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)]

3.D.8.B. (S//REL TO USA, FVEY) Designate a representative from GCHQ [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)] USCYBERCOM Operations.

3.D.9. (U) Requested Support from ASD.

3.D.9.A. (S//REL TO USA, FVEY) Request ASD [(b)(1) Sec 1.4(a)]

[(b)(1) Sec 1.4(a)]

3.D.9.B. (S//REL TO USA, FVEY) Designate a representative from ASD [(b)(1) Sec 1.4(a)] [(b)(1) Sec 1.4(a)] USCYBERCOM Operations.

3.E. (U//FOUO) Coordinating Instructions. USCYBERCOM JOC (joccbc@nsa.ic.gov, joccbc@nsa.smil.mil, NSTS 966-8730/8772, COMM 240-373-8142/8111/8115, STE 240-373-8180) will serve as the point of contact (POC) for cyberspace operations synchronization and deconfliction. [(b)(1) Sec 1.7(e)] partners are requested to provide liaison officer coordination to [(b)(3)] [(b)(3)] @nsa.ic.gov, [(b)(3)] @nsa.smil.mil, NSTS 969-3452) no later than three days after receipt of this order. Please see Ref E for other concerns.//