



# US CYBER COMMAND

*In Progress Review*

## OP GLOWING SYMPHONY

(b)(1) Sec 1.4(a)

07 OCT 2016

The overall CLASSIFICATION of this briefing is: ~~TOP SECRET//SI//NF//NOFORN~~

Classified By: (b)(3)  
Derived From: USCYBERCOM SCG  
Dated: 20160722  
AND  
Derived From: NSA/CSSM 1-52  
Dated: 20070108  
Declassify On: <25 Years from date of document, format 20410722>

# Roll Call

## USCYBERCOM

- J2
- J3
- J5
- CDG
- SJA
- POLAD

## Cyber Components

- CNMF
- JTF-ARES
- JFHQ-C/ ARCYBER
- JFHQ-C /MARFORCYBER
- JFHQ-C/ FLEETCYBER
- JFHQ-C/ AFCYBER

## Department of Defense

- OSD(P)
- USSTRATCOM
- USCENTCOM
- USSOCOM
- USPACOM
- USEUCOM
- USSOUTHCOM
- USAFRICOM
- USNORTHCOM

## Inter Agency

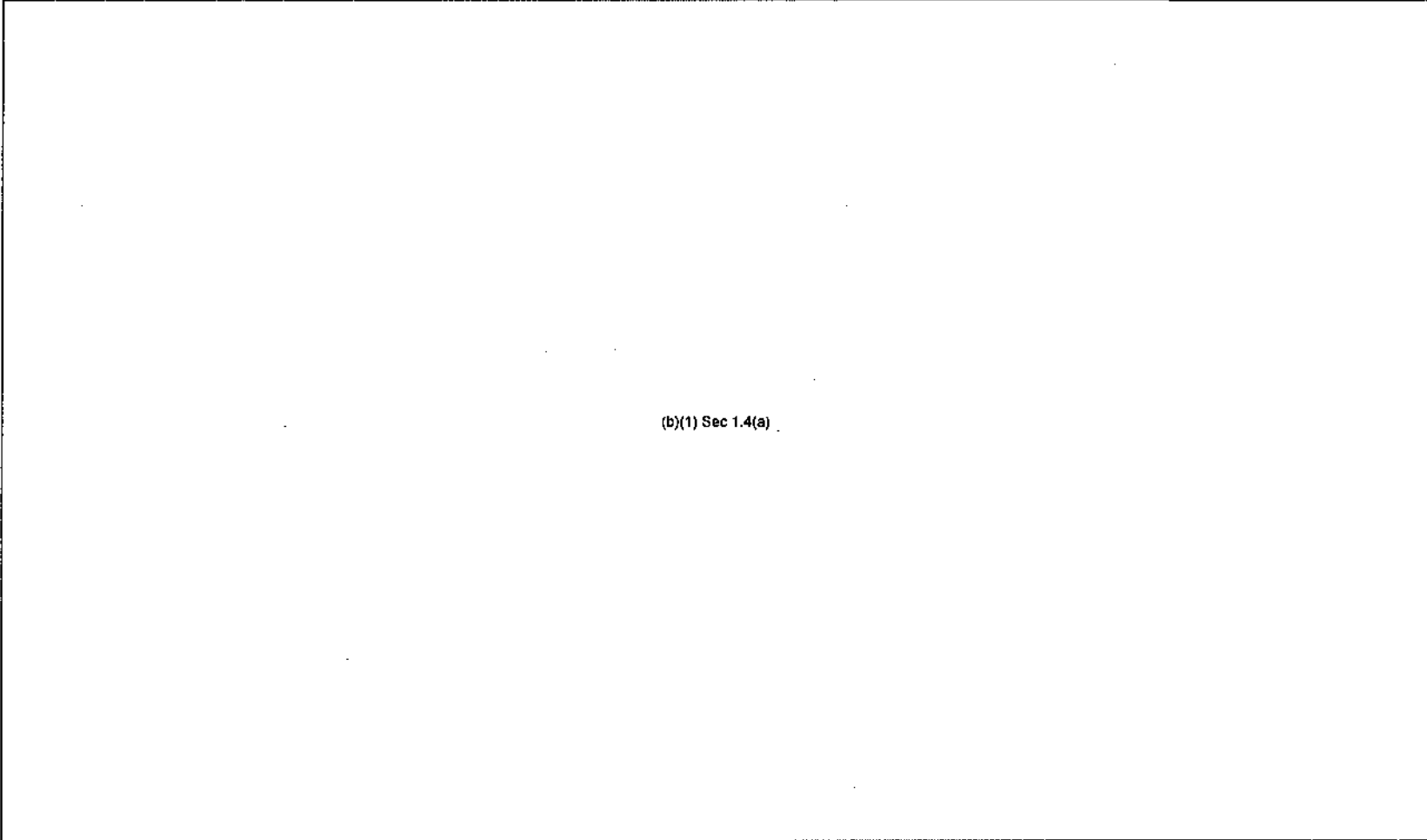
- CIA
- DIA
- NSA
- NGA (non-voting)
- DoS
- DoJ
- FBI
- TREASURY

# Agenda

- **Decision Flow Chart**
- **Recommendations for Approval**
- **Operation GLOWING SYMPHONY** (b)(1) Sec 1.7(e) **Executive Summary**
- **Technique / Tactic**
- **Collateral Effects Estimation (CEE)**
- **Intelligence Gain/Loss**
- **Political Military Assessment (PMA)**
- **Blowback Assessment**
- **Legal Review**
- **Approve TNL to JIPTL**
- **Decision Roll-Call**
- **Guidance / Questions**

# OGS Decision Point Flow Chart

(b)(1) Sec 1.4(a)



(b)(1) Sec 1.4(a)

Executive Summary	Mission Impact of the Operation	Proposed Operational Concept	Initial Gain/Loss Assessment	Political Considerations	Collateral Effects Estimate	Details of Objections
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# Op GLOWING SYMPHONY

(b)(1) Sec 1.4(a)

## Executive Summary

TABS	OPR	INPUT	STATUS	REMARKS
<p>CONOP/OPORD</p> <p>Target</p> <p>Capability / Tactic / Technique</p> <p>Operational Law Review</p> <p>Intelligence Gain Loss Assessment (IGL)</p> <p>Political Military Assessment (PMA)</p> <p>Collateral Effects Estimation</p> <p>Blowback Assessment</p>			<p>(b)(1) Sec 1.4(a)</p>	

Not Started   
  In Progress   
  Complete

# Operation GLOWING SYMPHONY

(b)(1) Sec 1.4(a)

organized campaigns. Operation GLOWING SYMPHONY

(b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

**We assess GLOWING**

**SYMPHONY will**

(b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

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# Operation GLOWING SYMPHONY Overview

- |                   |                 |                   |
|-------------------|-----------------|-------------------|
| (b)(1) Sec 1.4(a) | USCYBERCOM will | (b)(1) Sec 1.4(a) |
|-------------------|-----------------|-------------------|

(b)(1) Sec 1.4(a)

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

# GLOWING SYMPHONY – Overview

## Offensive Cyber Operations



(b)(1) Sec 1.4(a)



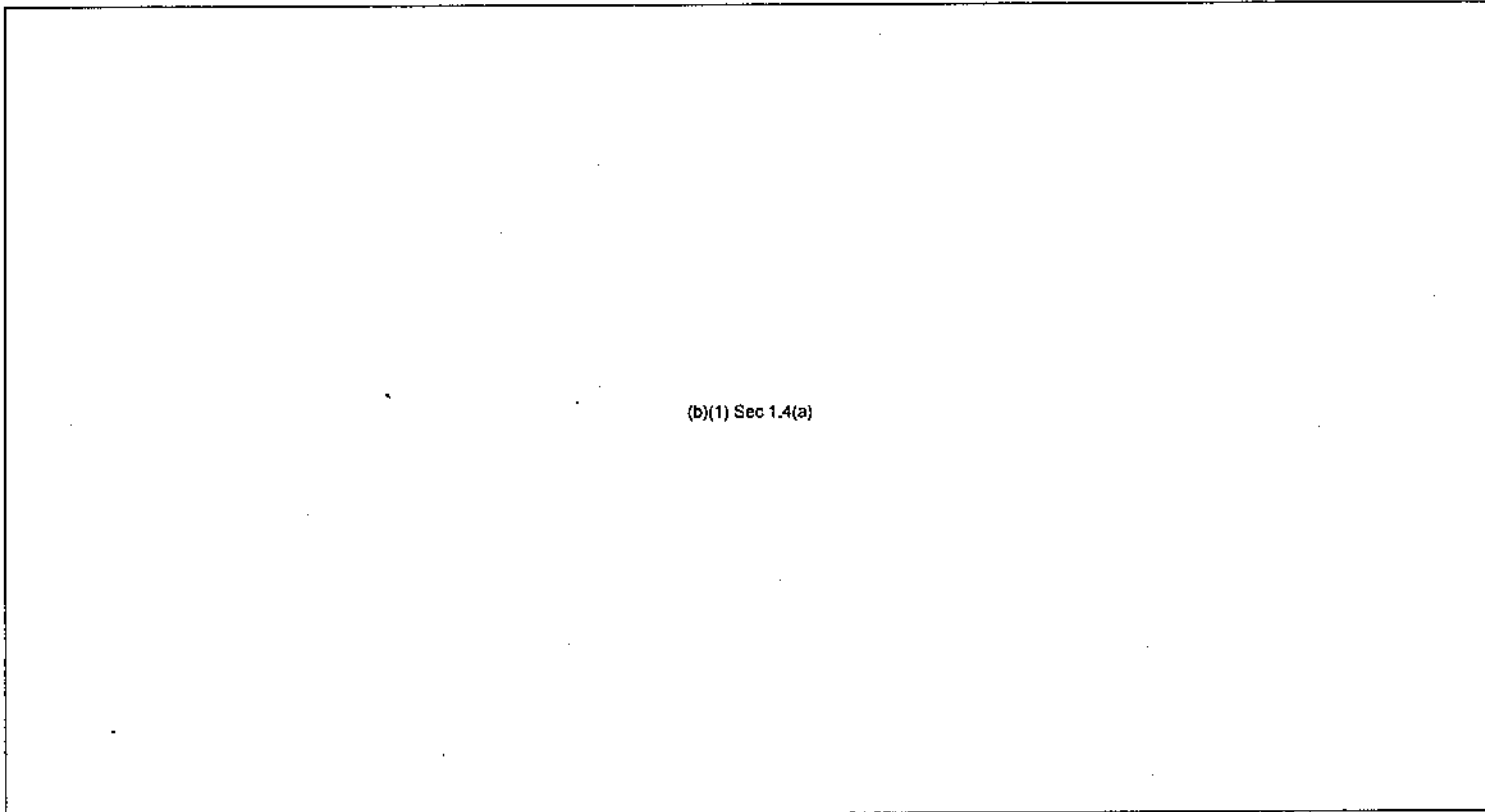
# ISIL Media Framework and Functions

DEVELOP  
Create, edit, & finish  
ISIL products

DISTRIBUTE  
Prepare, stage &  
publish ISIL products

DISSEMINATE  
Proliferate ISIL  
message

DEFEND  
Sustain ISIL  
message



(b)(1) Sec 1.4(a)

# Approval: Technique / Tactic

## Technique / Tactic Description

1. (U)
2. (U)
3. (U)
4. (U)
5. (U)

(b)(7)(e)

(b)(1) Sec 1.4(a)

## Operational Impact

• (TS//SI//REL USA, FVEY) (b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

• (TS//SI//REL USA, FVEY) (b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

## Recovery Methods

• (TS//SI//REL USA, FVEY) (b)(1) Sec 1.4(a)

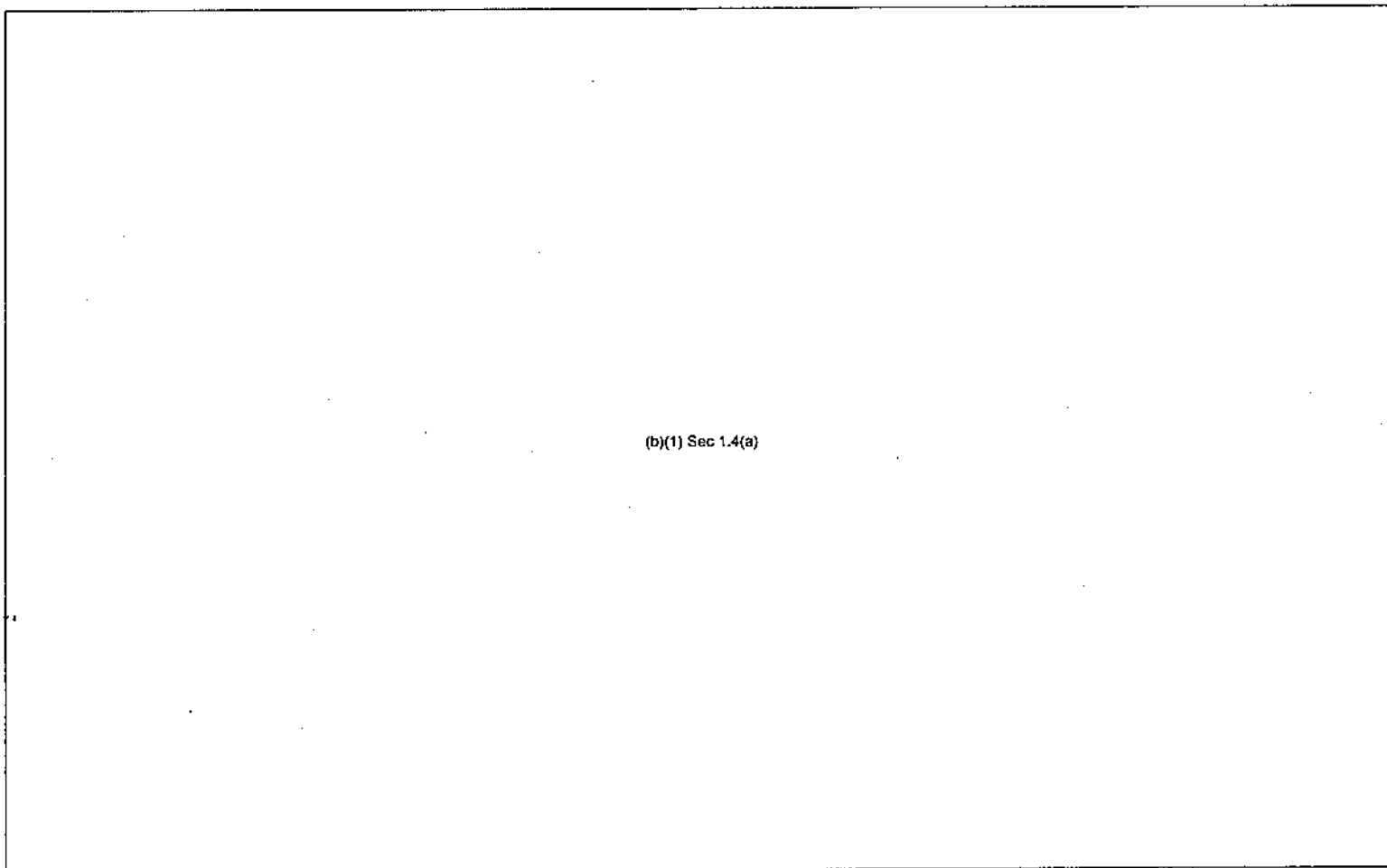
(b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

## Current Status

• (TS//SI//REL USA, FVEY) (b)(1) Sec 1.4(a)  
are valid

# Spectrum of Effects IAW CEE



(b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

# Approval: Intelligence Gain/Loss(IGL)

## (U) Intelligence Gain Assessment:

Overall Gain Assessment

(b)(1) Sec 1.4(a)

~~(TS//SI//REL)~~ The estimated intelligence gain from this operations is assessed

(b)(1) Sec 1.4(a)

## (U) Intelligence Loss Assessment:

Overall Loss Assessment

(b)(1) Sec 1.4(a)

~~(TS//SI//REL)~~ The overall estimated intelligence loss is assessed (b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

## (U) Probability of Detection (PoD):

Overall PoD Assessment

Effect

Capability

(b)(1) Sec 1.4(a)

~~(S//REL)~~

(b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

## (U) Probability of Attribution (PoA):

Overall PoA Assessment

Perceived

Technical

(b)(1) Sec 1.4(a)

~~(TS//SI//REL)~~ The estimated probability of attribution is

(b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)



# (U) Political Military Assessment (PMA)

- (U) ISIL & Middle East Countries:

- (TS//NF//FISA) [redacted] (b)(1) Sec 1.4(a)
- [redacted] (b)(1) Sec 1.4(a)
- (S//NF) Countries in the region [redacted] (b)(1) Sec 1.4(a)

- (U) RUSSIA and China:

- (S//NF) Were [redacted] (b)(1) Sec 1.4(a) the U.S. cyber operations, [redacted] (b)(1) Sec 1.4(a) and use it as an opportunity to place the US [redacted] (b)(1) Sec 1.4(a)
- (S//NF) [redacted] (b)(1) Sec 1.4(a)
- [redacted] (b)(1) Sec 1.4(a)

- (U) Third Party Host Targets Worldwide

- (S//NF) [redacted] (b)(1) Sec 1.4(a)
- (S//NF) [redacted] (b)(1) Sec 1.4(a)
- (S//NF) [redacted] (b)(1) Sec 1.4(a)
- [redacted] (b)(1) Sec 1.4(a)
- (S//NF) For several third party [redacted] (b)(1) Sec 1.4(a)
- [redacted] (b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

# Approval: Blowback Assessment

- ~~(S//REL TO USA, FVEY)~~ **PURPOSE:** This blowback assessment (b)(1) Sec 1.4(a)  
(b)(1) Sec 1.4(a)
USCYBERCOM against the Islamic State in Iraq and the Levant (ISIL).

## ~~(S//REL TO USA, FVEY)~~ Probability of Attribution (PoA):

- (b)(1) Sec 1.4(a) USCYBERCOM has a variety of capabilities that could be

(b)(1) Sec 1.4(a)

## ~~(S//REL TO USA, FVEY)~~ Confidence to Defend DODIN:

- (b)(1) Sec 1.4(a) - At this time ISIL has no demonstrated capability

(b)(1) Sec 1.4(a)

~~(S//REL USA, FVEY)~~ **Overall Assessment:** USCYBERCOM J3F DoDIN Ops assesses that risk of blowback (b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

## Approval: Legal Review

### (U) USCYBERCOM SJA

~~(S//REL TO USA, FVEY)~~ There is no legal objection to conducting the activities proposed in the GLOWING SYMPHONY CONOP [redacted] (b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

Network  
NOMINATED BY: JTF-ARES

**OBJECTIVES:** (b)(1) Sec 1.4(a)  
(b)(1) Sec 1.4(a)  
(b)(1) Sec 1.4(a) campaign. (~~S//REL TO USA, FVEY~~)

Adversary

ISIL

(b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

EXPECTATION: (~~S//REL TO USA, FVEY/FIA~~) (b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

TARGET LOCATION: (~~S//REL TO USA, FVEY~~) (b)(1) Sec 1.4(a)

COLLATERAL CONCERNS: (~~S//REL TO USA, FVEY~~) (b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)



# Target Priority and Target Assignment

### Primary Target Set

PRIORITY	COUNTRY	SERVICING AGENCY
(b)(1) Sec 1.4(a)		US & COALITION
		US & COALITION
		US & COALITION
		US & COALITION
		US & COALITION
		US & COALITION
		US
		US & COALITION
		US & COALITION
		US
		US & COALITION
		US
		US & COALITION
		US & COALITION
		US
		US
		US
		US
		US
		US & Coalition
	US	
	US	

### Follow-on Target Set

PRIORITY	COUNTRY	SERVICING AGENCY
(b)(1) Sec 1.4(a)		Coalition
		Coalition
		Unknown
		Unknown
		Unknown
		Unknown
		Coalition
		Coalition
		Unknown
		Unknown
		Unknown
		Coalition
		Unknown
		Unknown
		Unknown

#### Legend

(b)(1) Sec 1.4(a)
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#### Notes:

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

# Recommendations

## Primary Target Set

PRIORITY	COUNTRY	SERVICING AGENCY	(b)(1) Sec 1.4(a)		
		US & COALITION			
		US & COALITION			
		US & COALITION			
		US & COALITION			
		US & COALITION			
		US & COALITION			
		US	T	T	T
		US & COALITION	B	B	B
		US & COALITION	B	B	B
		US	D	D	D
		US & COALITION			
		US			
		US & COALITION			
		US & COALITION			
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US & Coalition			
		US			
		US			

## Follow-on Target Set

PRIORITY	COUNTRY	SERVICING AGENCY	(b)(1) Sec 1.4(a)		
		Coalition			
		Coalition			
		Unknown			
		Unknown			
		Unknown			
		Unknown			
		Coalition	T	T	T
		Coalition	B	B	B
		Unknown	B	B	B
		Unknown	D	D	D
		Coalition			
		Unknown			
		Unknown			
		Unknown			
		Unknown			

Legend

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

Notes:

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(b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

# Recommendation for Approval

## USCYBERCOM JTCB Chair Approval and JIATF Concurrence

		(b)(1) Sec 1.4(a)	APPROVAL	Approve	Disapprove
Operation GLOWING SYMPHONY approval		(b)(1) Sec 1.4(a)			

### Department of Defense Comments

- OSD(P)
- USSTRATCOM
- USCENTCOM
- USSOCOM
- USPACOM
- USEUCOM
- USSOUTHCOM
- USAFRICOM
- USNORTHCOM

(b)(1) Sec 1.4(a)

(b)(1) Sec 1.4(a)

# Details of Non-Concurs



(b)(1) Sec 1.4(a)

# OGS Proposed Public Affairs Guidance

- (U//~~FOUO~~) Public affairs posture is 'response to query' only

- OSD PA retains release authority

(b)(1) Sec 1.7(e) statement if asked in general (b)(1) Sec 1.7(e)  
networks:

(b)(1) Sec 1.7(e) (b)(5)

- If asked (b)(1) Sec 1.7(e) by credible third-party (e.g., cybersecurity expert or cybersecurity corp):

(b)(1) Sec 1.7(e) (b)(5)

- Overarching theme, (b)(1) Sec 1.7(e) cyber operations:

(b)(1) Sec 1.7(e)

- Approved by OSD-PA



# Guidance and Questions

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