



# Mission Analysis Brief

## *Cyber Support to Counter ISIL*

### *12 April 2016*

## *Complete Deck (Version 34)*

The overall classification of this briefing is: ~~TOP SECRET//REL TO USA, FVEY~~

Classified By: (b)(3) USSC  
Derived From: USCYBERCOM SCG  
Dated: 20121220  
AND  
Derived From: NSA/CSSM 1-52  
Dated: 20070108  
Declassify On: 20371220



# Guidance, Direction, and Task

- **Secretary of Defense:**

- *“Top priority is to thwart ISIL attacks against the United States and Western Europe” – 27JAN16*
- Focus on the AOR (Iraq and Syria)
- (b)(1) Sec 1.4(a) USSC

- **OIR EXORD MSN Statement:** CDRUSCENTCOM leads coalition military operations to degrade, dismantle and ultimately defeat ISIL IOT restore regional stability

- **USSTRATCOM:** Conduct Cyberspace Operations ISO CENTCOM

(b)(1) Sec 1.4(a),(b) USSC

*“Expand targets, introduce new capabilities to counter ISIL in the AOR, tie in Coalition to increase effects” – Commander, USCYBERCOM*



# Specified Tasks

- **SECDEF**

- Support broader effort to thwart ISIL attacks against the United States and Western Europe

- **CDR USCYBERCOM**

- Conduct C-ISR, C-OPE and OCO to counter ISIL (b)(1) Sec 1.4(a) USSC operations, counter ISIL media, support coalition military operations against ISIL, and to counter ISIL sustainment capabilities within Iraq and Syria

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

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

- (b)(1) Sec 1.4(a),(b) USSC
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# Implied and Essential Tasks

## • Implied Tasks

- Prevent attacks against all coalition partners
- Ensure early coordination with interagency partners (b)(1) Sec 1.4(a) USSC
- Coordinate with USCENTCOM (b)(1) Sec 1.4(a) USSC on target engagement
- Streamline targeting cycle to support dynamic nature of adversary
- Surge analytical efforts to understand adversary use of the cyber domain
- Integrate, synchronize, and deconflict OCO with (b)(1) Sec 1.4(a),(b) USSC partners
- Identify and develop capabilities that support the delivery of cyber effects in parallel with CONOPs and target development
- Gain and maintain (b)(1) Sec 1.4(a) USSC

## • Essential Tasks

- Support WOG efforts to prevent attacks against the US and coalition partners
- Integrate, synchronize, and deconflict with (b)(1) Sec 1.4(a),(b) USSC partners in Phase 2 planning and operations
- Disrupt ISIL's use of the cyberspace domain
- Support CENTCOM's effort to dismantle and ultimately defeat ISIL in Iraq and Syria



# Facts and Assumptions

## Facts

- ISIL has self-declared a caliphate since June 2014 with Raqqa as the capital
- ISIL has developed a sophisticated media campaign incorporating a capable propaganda program
- ISIL forces have gained/seized control of large tracts of land within Syria and Iraq with epicenters located in Raqqa and Mosul
- ISIL forces have created additional provinces outside of Iraq and Syria and desire to expand globally
- ISIL's use of cyberspace is dynamic
- ISIL extensively leverages social networking sites
- ISIL's ideology incited individuals to execute lone wolf attacks globally
- Complex cyber environment; multiple actors (b)(1)
- ISIL is operating as a quasi-nation state and global terrorist organization
- Indigenous forces (b)(1) Sec 1.4(a),(b) are not under direct US control USSC
- The Caliphate will continue to seek its global expansion
- ISIL conducted doxing attacks (PII) and will continue to advocate these releases

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

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(b)(1) Sec 1.4(a),(b) USSC

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# Limitations (Constraints and Restraints)

- **Constraints:**

- Must conduct (b)(1) Sec 1.4(a) USSC
  - Must comply with (b)(1) Sec 1.4(a) USSC
  - Must receive (b)(1) Sec 1.4(a) USSC  
(b)(1) Sec 1.4(a) USSC
- Must continue to support USCENTCOM (b)(1) Sec 1.4(a) USSC military operations
- Must coordinate with (b)(1) Sec 1.4(a) USSC  
and minimize equity concerns (b)(1) Sec 1.4(a) USSC

- **Restraints:**

- Cannot conduct (b)(1) Sec 1.4(a) USSC
- Cannot exceed a (b)(1) Sec 1.4(a) USSC  
(b)(1) Sec 1.4(a) USSC
- Cannot conduct (b)(1) Sec 1.4(a) USSC  
(b)(1) Sec 1.4(a) USSC

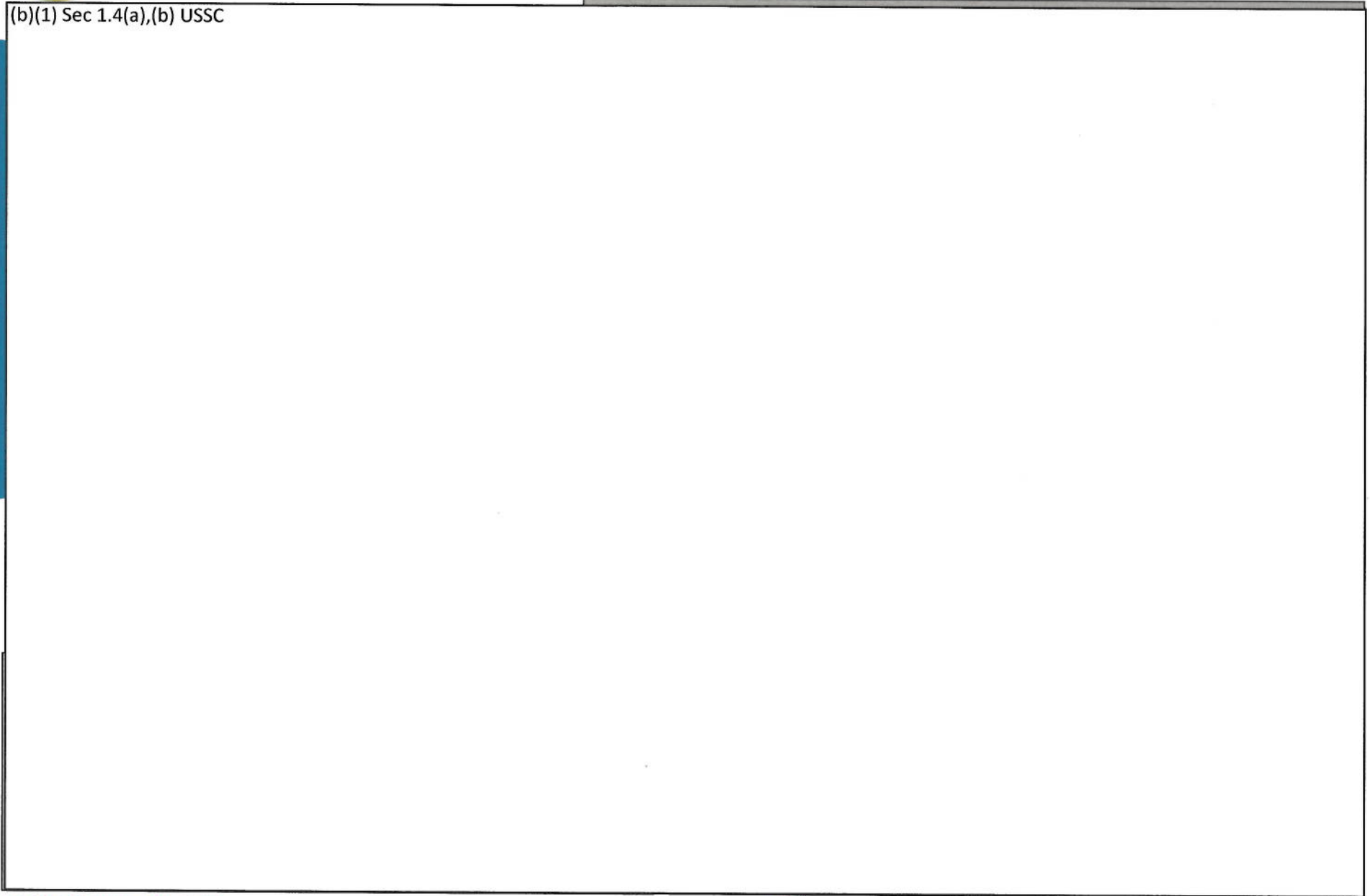
*Identify opportunities or authority gaps that expand beyond existing limitations.*



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

# Analysis in the Cyberspace Domain

(b)(1) Sec 1.4(a),(b) USSC



(b)(1) Sec 1.4(a),(b),(c) USSC



(b)(1) Sec 1.4(a),(b),(c) USSC

(b)(1) Sec 1.4(a), (c) USSC

(b)(1) Sec 1.4(a), (c) USSC



# Phase II Mission Statement

- **Mission Statement:** ~~(S//REL TO USA, FVEY)~~ USCYBERCOM denies ISIL's use of the cyberspace domain through a multipronged approach, (b)(1) Sec 1.4(a),(b) USSC  
(b)(1) Sec 1.4(a),(b) USSC  
(b)(1) Sec 1.4(a),(b) USSC, support the broader effort to dismantle ISIL in Iraq and Syria, and posture for follow-on (b)(1) Sec 1.4(a) USSC cyberspace operations.



# Commander's Intent

- **Purpose:**

- Create the cyberspace conditions to support the effort to dismantle ISIL in Iraq and Syria ISO USCENTCOM and disrupt ISIL's ability to plan and execute attacks against the United States and coalition partners (b)(1) Sec 1.4(a) USSC

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

- **Method:**

- USCYBERCOM will employ cyberspace forces and integrate, synchronize, and deconflict (b)(1) Sec 1.4(a),(b) USSC to deliver effects against ISIL.

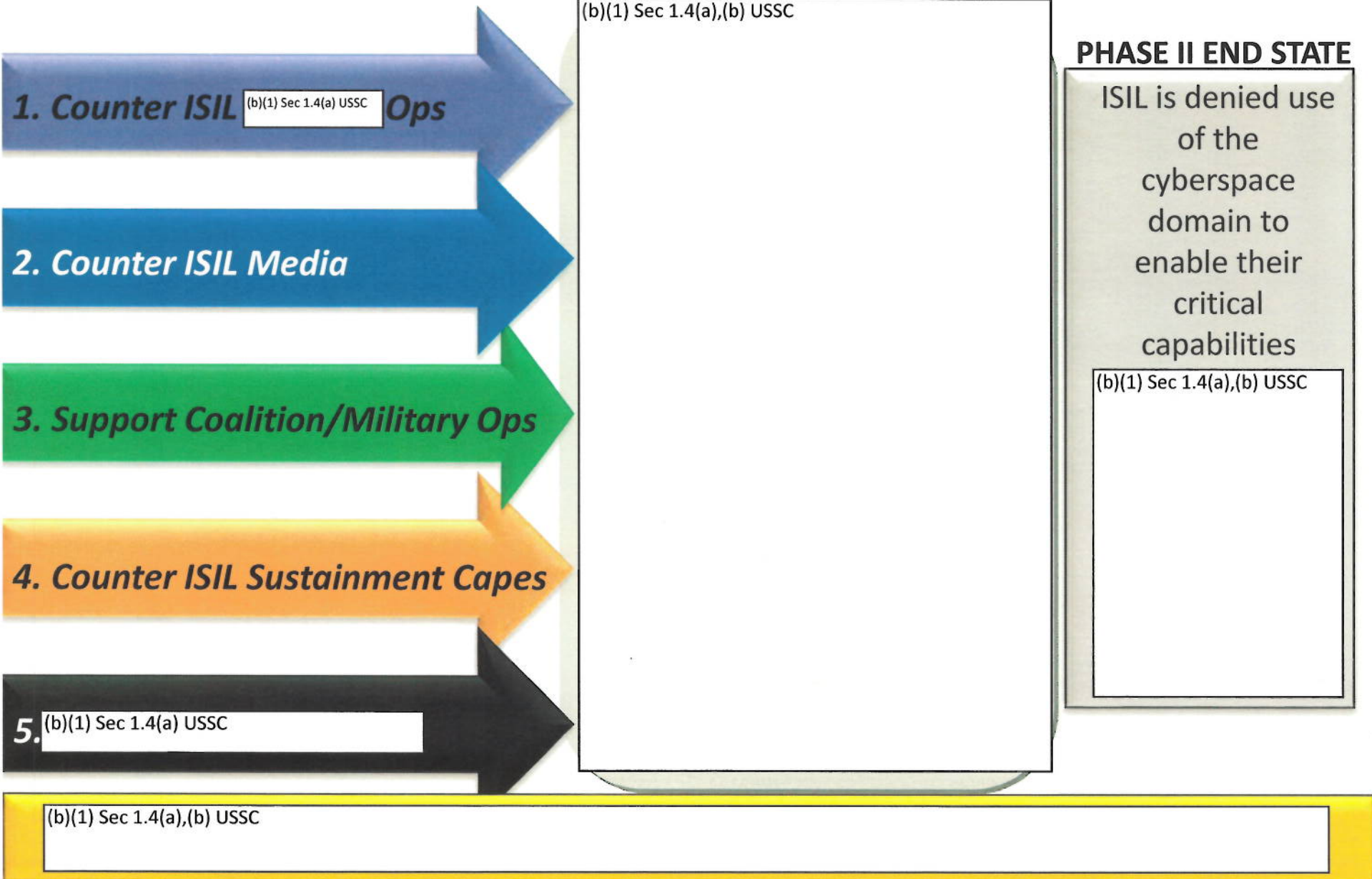
- **End State:**

- ISIL is denied use of the cyberspace domain to enable their critical capabilities (b)(1) Sec 1.4(a),(b) USSC

(b)(1) Sec 1.4(a),(b) USSC



# Lines of Effort (LOEs)



(b)(1) Sec 1.4(a),(b) USSC



# Tasks across all LOEs

- Gain and maintain (b)(1) Sec 1.4(a) USSC
- Conduct (b)(1) Sec 1.4(a) USSC  
(b)(1) Sec 1.4(a) USSC
- Identify requirements for capabilities, infrastructures, accesses, personnel, intelligence.
- Provide support to (b)(1) Sec 1.4(a) USSC  
(b)(1) Sec 1.4(a) USSC.
- Coordinate and integrate actions with (b)(1) Sec 1.4(a),(b) USSC  
(b)(1) Sec 1.4(a) USSC.
- Identify opportunities (b)(1) Sec 1.4(a) USSC  
(b)(1) Sec 1.4(a) USSC
- Conduct strategic engagements to support PAO, CDR, Congress, Interagency, Coalition, and others as required.
- Pass (b)(1) Sec 1.4(a),(b) USSC  
(b)(1) Sec 1.4(a),(b) USSC.





# Tasks for LOE 1: Counter ISIL

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

# Ops

(b)(1) Sec 1.4(a),(b) USSC



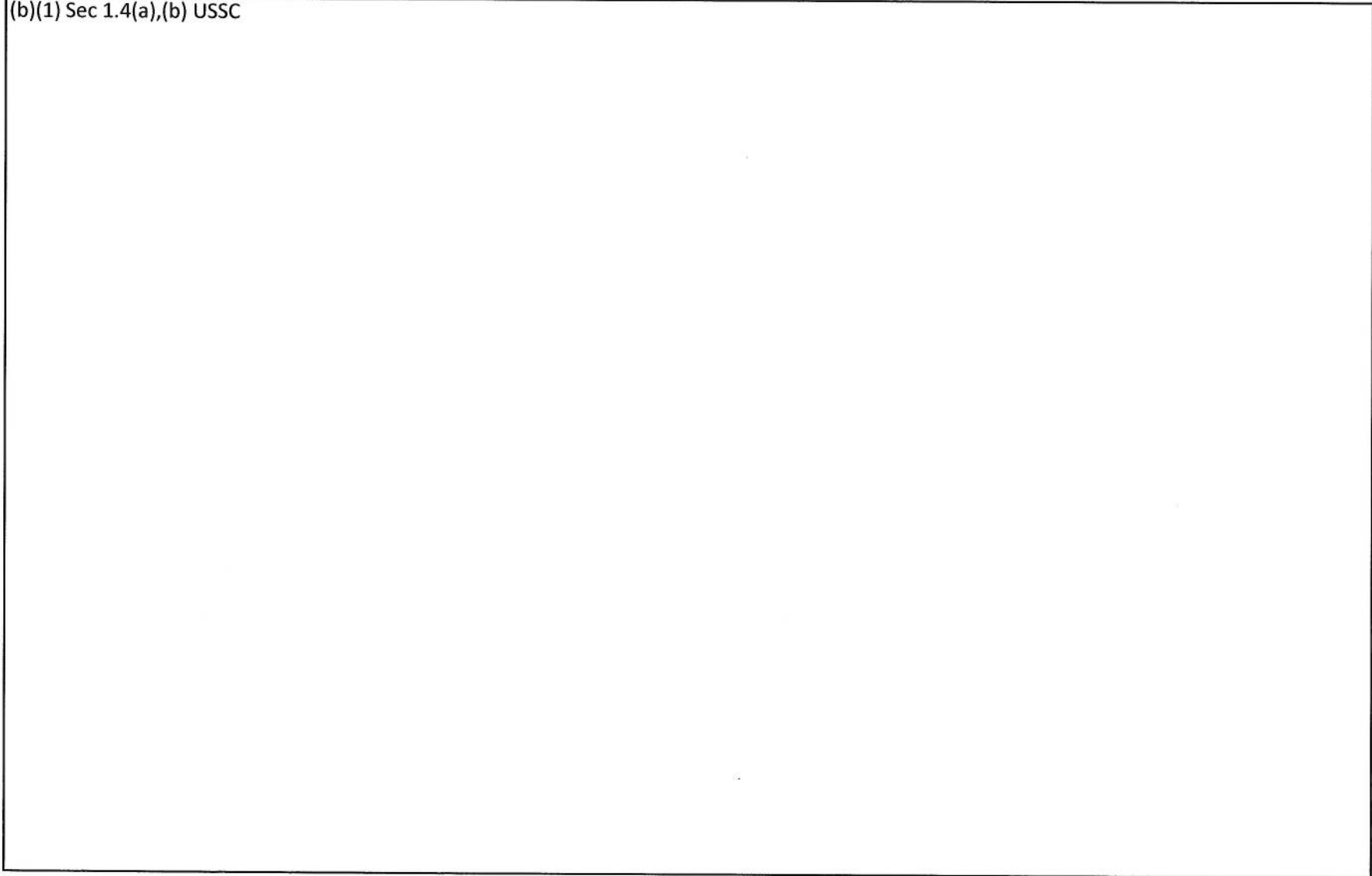
# Tasks for LOE 2: Counter ISIL Media

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



# Tasks for LOE 3: Support Coalition / Military Operations

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





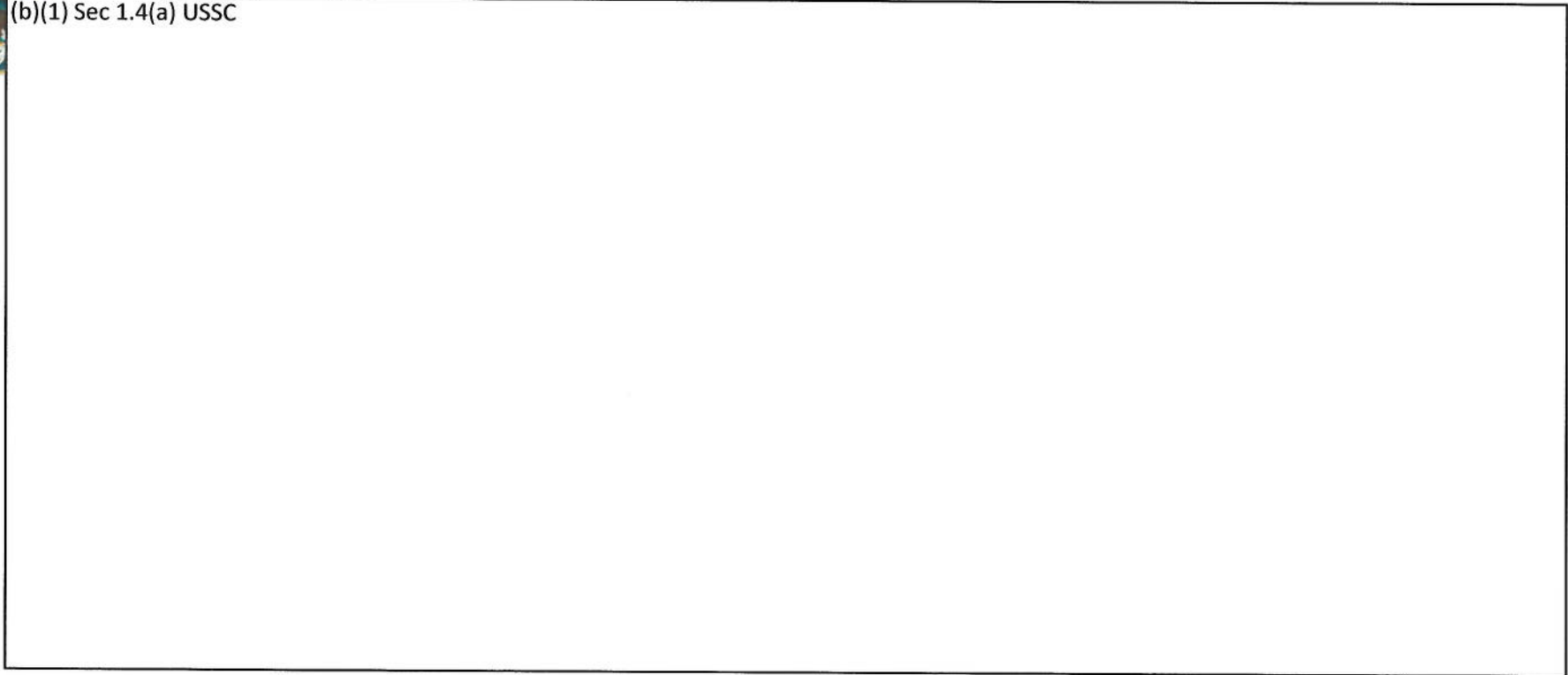
# Tasks for LOE 4: Counter ISIL Sustainment

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

- [Redacted content]



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





# Force Allocation



# Assumptions for Force Allocation

- Components identified forces unconstrained by current disposition (e.g., alignment, mission, etc...), training completed, and risks to other mission sets
- Forces identified assumes current posture and operational tempo
- Augmented forces identified to fill gaps will require (b)(1) Sec 1.4(a) USSC  
(b)(1) Sec 1.4(a) USSC
- Certain work roles may benefit from being utilized as a pooled resource (b)(1) Sec 1.4(a) USSC
- C2 commander will be authorized to task organize forces as necessary to achieve objectives



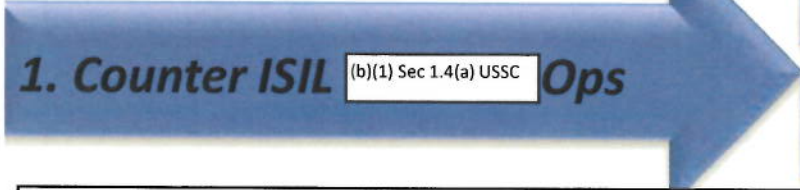
# Force Requirements for LOE 1: Counter ISIL

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

**Ops**

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

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



(b)(1) Sec 1.4(a),(b) USSC





# Force Requirements for LOE 2: Counter ISIL Media

## 2. Counter ISIL Media

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

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

(b)(1) Sec 1.4(a),(b) USSC



# Force Requirements for LOE 3: Support Coalition / Military Operations

## 3. Support Coalition/Military Ops

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

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

(b)(1) Sec 1.4(a),(b) USSC



# Force Requirements for LOE 4: Counter ISIL Sustainment

## 4. Counter ISIL Sustainment Capes

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

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

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

(b)(1) Sec 1.4(a),(b) USSC

(b)(1) Sec 1.4(a),(b) USSC

~~TOP SECRET//REL TO USA, FVEY~~

~~TOP SECRET//REL TO USA, FVEY~~



# Overall Staff Estimate

- **LOE 1: Counter ISIL** (b)(1) Sec 1.4(a) USSC **Operations**
  - **Approximately** (b)(1) Sec 1.4(a) USSC
- **LOE 2: Counter ISIL Media**
  - **Approximately** (b)(1) Sec 1.4(a) USSC
- **LOE 3: Support Coalition / Military Operations**
  - **Approximately** (b)(1) Sec 1.4(a) USSC
- **LOE 4: Counter ISIL Sustainment**
  - **Approximately** (b)(1) Sec 1.4(a) USSC
- (b)(1) Sec 1.4(a),(b) USSC

(b)(1) Sec 1.4(a),(b) USSC



# Force Requirement Observations

- Overall force requirement can be reduced via optimization and centralization
- Enabling unity of effort against LOEs can be amplified (b)(1) Sec 1.4(a) USSC  
(b)(1) Sec 1.4(a) USSC with effective integration of interagency, coalition, and other partners
- Effectively leading the Phase II C-ISIL effort (synchronization, logistics, prioritization, organization, training, KM, funding, infrastructure) will require (b)(1) Sec 1.4(a) USSC HQ staff



# Step 1: Current (b)(1) Sec 1.4(a) USSC Teams Available by Work Role for Phase II

Work Roles	Current Team Totals	Required	Shortfalls
(b)(1) Sec 1.4(a) USSC			

\*Additional details available in backup slides

\*Optimization may reduce force requirements further

\*Some work roles have an excess of capacity which can be reallocated to other missions as req'd (b)(1) Sec 1.4(a) USSC

\*Includes: (b)(1) Sec 1.4(a) USSC

**Current teams require** (b)(1) Sec 1.4(a) USSC **identified force requirements**

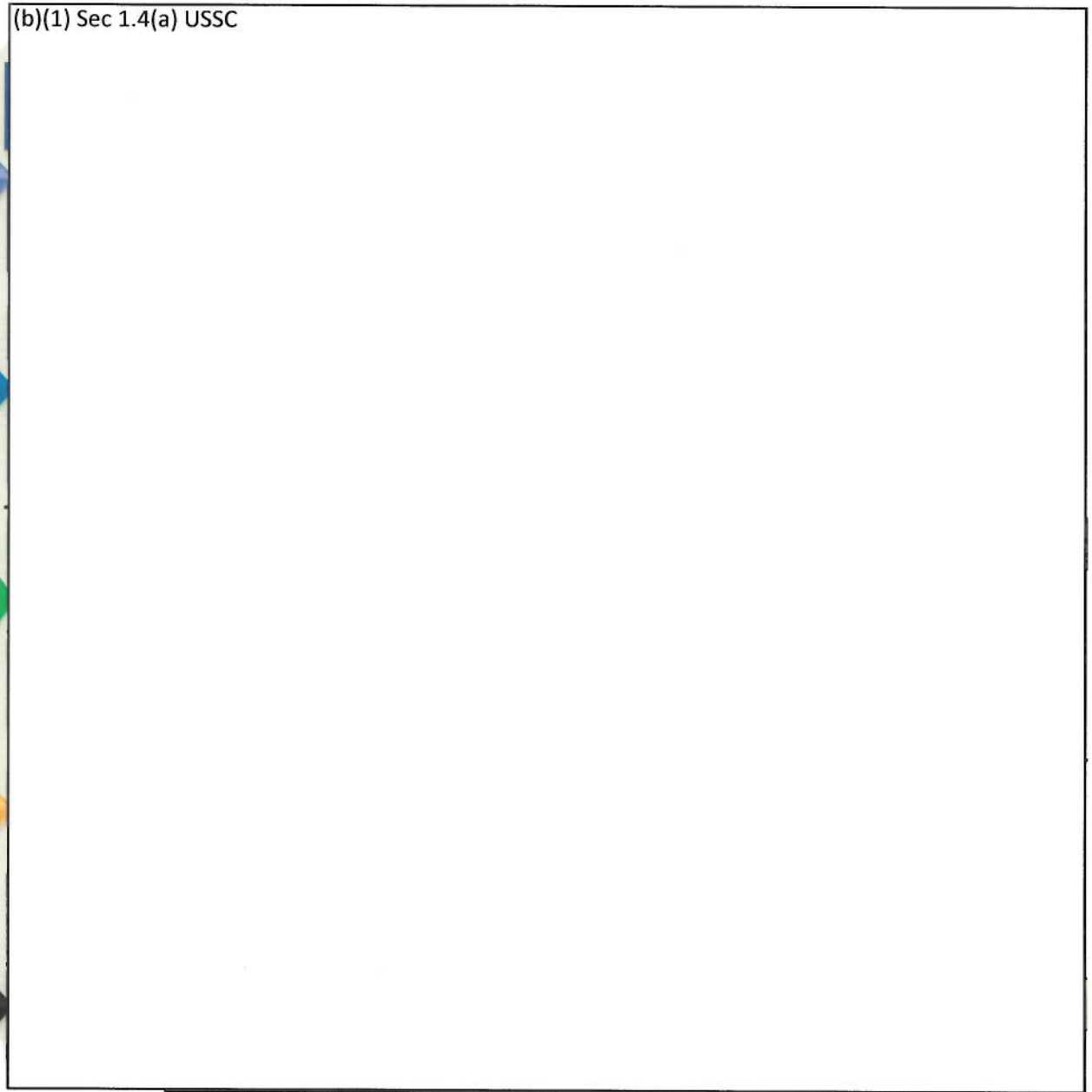


# Step 1: Lines of Effort (LOEs) – Current Available Teams

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

~~SECRET//REL TO USA, FVEY~~

- 1. *Counter ISIL Ops* (b)(1) Sec 1.4(a) USSC
- 2. *Counter ISIL Media*
- 3. *Support Coalition/Military Ops*
- 4. *Counter ISIL Sustainment Capes*
- 5. (b)(1) Sec 1.4(a) USSC



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

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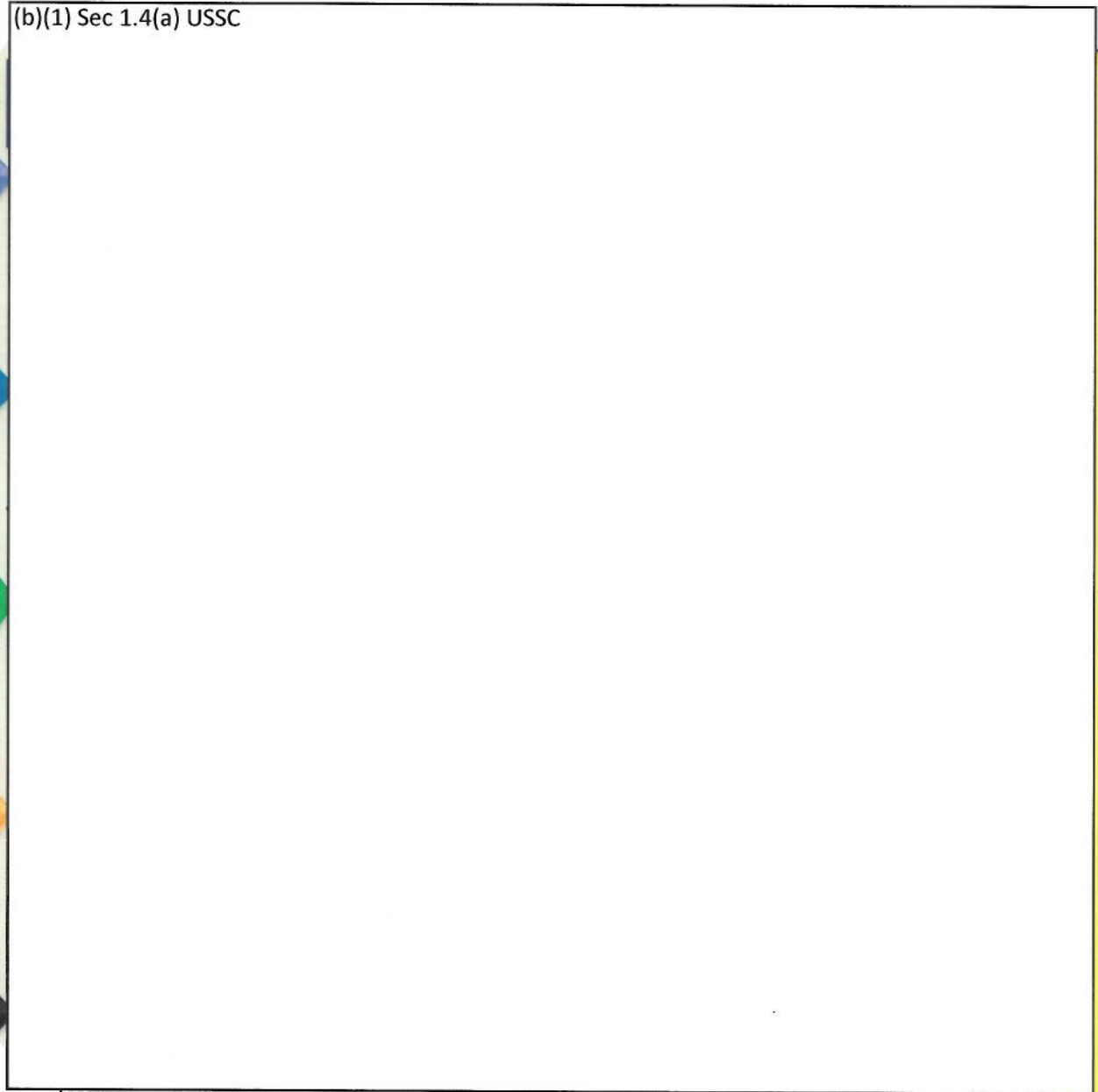


(b)(1) Sec 1.4(a),(b) USSC

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# Lines of Effort (LOEs) – Forces



1. Counter ISIL **Ops**  
(b)(1) Sec 1.4(a) USSC

2. Counter ISIL Media

3. Support Coalition/Military Ops

4. Counter ISIL Sustainment Capes

5. (b)(1) Sec 1.4(a) USSC

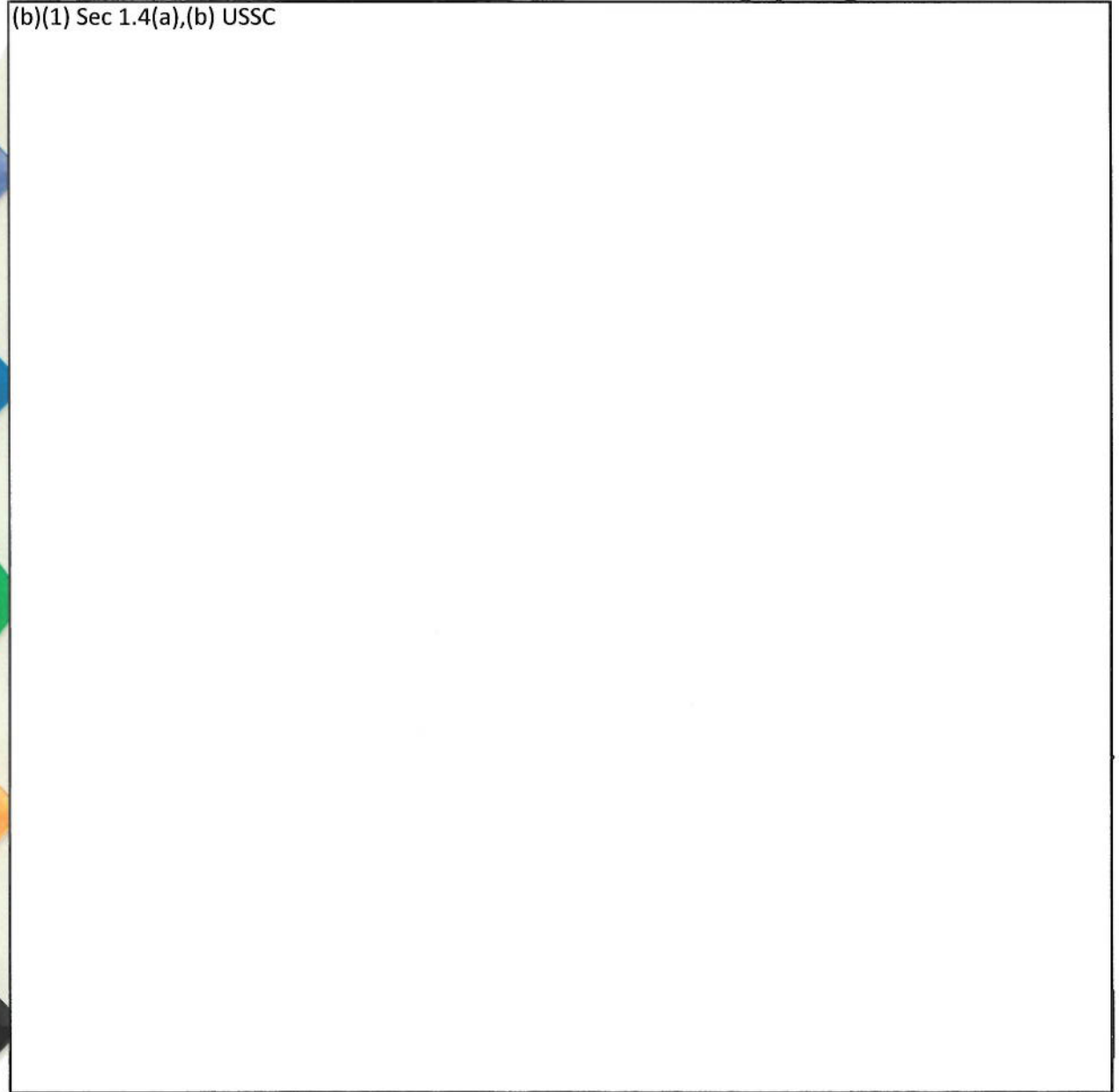
(b)(1) Sec 1.4(a) USSC

\* (-) Indicates partial team



# Lines of Effort (LOEs) – Cyber Partner Support

(b)(1) Sec 1.4(a),(b) USSC





# Coalition Integrated Planning

- **Planning Factors**

- Final Phase II C2 model may impact (b)(1) Sec 1.4(a) USSC into staff

- **Recommendations**

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

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

- Facilitate the integration of US and Coalition cyber planning against ISIL.
- Increase coalition integration at all levels (b)(1) Sec 1.4(a) USSC
- Increase intelligence support (b)(1) Sec 1.4(a) USSC
- Explore the feasibility to delineate (b)(1) Sec 1.4(a) USSC (b)(1) Sec 1.4(a) USSC with terms of reference.
- Identify and overcome barriers to integration in the C-ISIL fight

- The COS will direct staff actions to

- Ensure coalition integration cell is broadly integrated and aligned with overall effort and part of routine senior leader dialogue and engagements
- Ensure (b)(1) Sec 1.4(a) USSC are trained and certified in order to improve information sharing & collaboration
- (b)(1) Sec 1.4(a),(b) USSC
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- Recommend what senior C-ISIL battle rhythm events would include senior coalition counterparts
- (b)(1) Sec 1.4(a) USSC processes that will need to occur (b)(1) Sec 1.4(a),(b) USSC
  - (b)(1) Sec 1.4(a),(b) USSC
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# Command and Control



# C2 Way Ahead

- CDRUSCYBERCOM will establish a Joint Task Force
  - (b)(3) USSC [redacted] as JTF CDR but maintains other current responsibilities

- (b)(1) Sec 1.4(a) USSC [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]



# Target Sets and Capabilities



# Expanding Targeting Guidance

	Phase I - Accelerant	Phase II – AOH Focus	Phase III – Beyond the AOH
Target Types	(b)(1) Sec 1.4(a) USSC		
Capabilities			
Infrastructure			

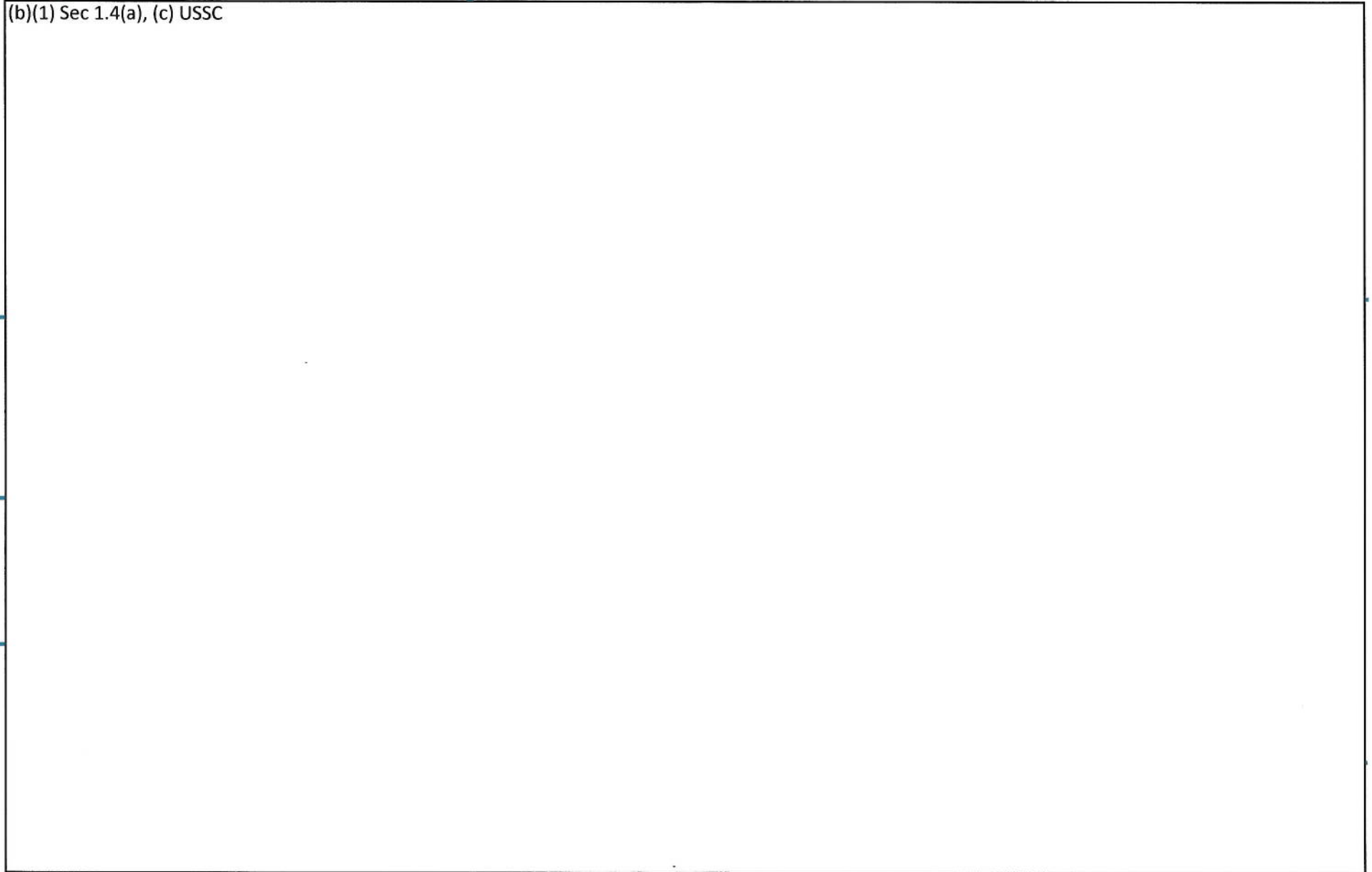
(b)(1) Sec 1.4(a) USSC





# CYBERCOM Tactical Capabilities Overview

(b)(1) Sec 1.4(a), (c) USSC





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