

Table 2: Decision Factors				
on Factor Type	Decision Factors	Decision Question		
elity	Federal compus CR countyants spen to the sky and accessible to IASs	Is this a federal compus OR if there are countened in, on, or near federal facilities, are they open to the sily and eccessible to UKSs?		
esterty	Externally exposed HVNC air intoles accessible to EAGs.	Are there externally exposed HMA2 air implies?		
rben/ undcatheres sephility	Externally exposed communications and/or cyber inflattructure	Are there externally exposed communications and/or open infrastructure (e.g. presental)?		
	Current or planned casest enforcement operations occurring in the building and/or on the property and/or near the property OR onnaniskal angles covers refracement metar vehicles pasked on or near the property.	Are there or will there be covert enforcement operations occurring in the building lengtor on the property end/or near the property OR unmarked and/or cover enforcement mater wellades penked on or near the property?		
utions sublify	Current or planned over law enforcement operations and/or other public salary activities includes soft target/included places operations	Are there or will there be law enforcement and/or other public safety response activities?		
	Sensitive proceedings such as federal tricks that could be valverable to UASs. Madorical political, cultural, or other symbolic significance. Threat or attack leceives rational mobile overagin.	Are there or will there be sonables proceedings? Is there historical, patricial, cubural, or other symbolic significance? Will or has the threat or attack received assonal media overage?		
	External presence of MPs and, or a high external concernation of high-tenking federal officials such that they will be exposed to LRSs.	Will there be an external presence of WPs and/ or a high seconal concentration of high-sensing federal officials such that they will be exposed to UASP		
scenal scability	Exterior crowds gathering on or near federal property	first people assemble in exterior areas in large, concentrated crawds on or near foderal property?		
	Current or planned special events that may expose people to UASs	Are there or will there be special events that may expose people to SASsY		
	Mineties (Mile has done year and he was the	Many Life Street was made to come this		

Table 2: Decision Factors						
n Factor ipe	Decision Factors	Decision Question				
ality	Federal campus OR courteads open to the sky and accessible to UASs	is this a federal compos CR if there are countypets in, on, or near federal facilities, are they open to the sky and accessible to UKSs?				
escerty	Externally exposed HMC air intakes accessible to UK9s	Are there externally exposed HMC air intakes?				
ber/ nicotions estillty	Externally exposed communications and/or opter inhastructure	Are there externally exposed communications and/or opter infrastructure (e.g. ordernaet?				
	Current or planned covert enforcement operations occurring in the building and/or on the property and/or near the property OR unnamed and/or covert enforcement, motor vehicles panied on or near the property.	Are there or will these be covert enforcement operations occurring in the building and/or on the property and/or near the property OR unmarked and/or covert enforcement indoor websites parked on or near the property?				
utions estility	Current or planned overt law enforcement operations and/or other public safety activities; includes soft target/crowded places operations	Are those or will those be law enforcement and/or other public safety response activities?				
	Sensitive proceedings such as federal trials that could be winerable to UASs. Hazorical, political, cultural, or other symbolic significance. Threat or ettack receives national modio coverage.	Are there or will there be sensitive proceedings? Is there historical, political, cultural, or other symbolic significance? Will or has the threat or stack received national recola coverage?				
	External presence of MPs and/or a high external concentration of high-ranking federal officials such that they will be exposed to UAS	Will there be an external presence of VIPs and/ or a high external concentration of high-ranking federal officials such that they will be exposed to UAS?				

	UMS Specific Protective Measures and Activities		To the same of	Olevezion	No.
9	Communicate that the axes is a EMS extricted axes:  Four Yes Drawn gas at the floring/ship and at potential Leunon, Land, and Operating LLOS sites.  Fulfain depends communications on public witholders and strongly second mobile.				
	Implement Temporary Flight Restriction or request a Special Security Instruction (See Section 1.2).	٠	٠	٠	٠
0	Increase URS detection capability:  - Increase workface and eleter awareness and ability to report,  - Increase security arganisation's ability to requiry detect LMS.	٠	•	٠	•
ест	Check reterior countyiests, restlops, and other seess incide the security permeter for the presence of a UKS or items detected by a UKS.		•	٠	•
	Concess or disquires the asset, including:  I Cover from whow socretors amound the building, perimeter, or at the most suicessful bootcom.  Non-its impoperate socretors filed to fencing.  Tallage and short related licentageing.				
9	Contest or dispulse cosets or information within buildings to include:  -Privacy fills or blood fitted to elections and internamed at a interiorum 45 despite angle.  -Reconfigure rooms to reduce watercooliny (e.g., computer screens).			•	•
ECT	Records important assets as far away from the perimeter as possible.	٠		٠	٠
	Place a physical barrier around the asset, including: - Locate it within a building - Net/groupe	٠			٠
	Coordinate with local law enforcement to request counter GAS to GAS cognitions through the CHS Interagency Process for Assistance Process (see Section 7.3).	٠	٠	•	٠
2	Develop and exercise BAG response, recovery, and forensics plans.				

a LEAP agent, email <u>LIAShelp@faa.gov</u> or call (844) 359-6982 (844-FLY

## Figure 10: FAA Drone Incident Reporting Pocket Card

<b>(</b>	Federal Aniation Administration	FAA Drone	Incident Reportin		
	Document and provide the folio	wing informa	tion to FAA:		
	Mantity of spendars and mitmenses (some, contact information)     Type of operation-lastic, communical, public performance did     Type of device(s) and registration information is unabon terriflicates;     Event Socialism and recibine deaths (data, time, place)     Evidence code				
	<ul> <li>Evidence collection jahobss, video instact your FAA LEAP agent or a</li> </ul>				
Nursen FO	ontact your FAA LEAP agent or	nn FAA ROC fi			
	ontact your FAA LEAP agent or a SK, AZ, CA, CO, H, ID, MT, NV, GR, IT, WA, NY	91 FAA ROC 6 200-221-2029	or assistance:		
Nortem FO	ontact your FAA LEAP agent or: #K AZ CA, CO, H, ID, MT, NV, OR, IT, VIA, NY #R UL, IN, CC, LA, M, MIL MC, ND.	200-221-2009 EV-222-6006	y assistance: 9 VSA OPSCTROtocycle		

3. FAA Regulations: The FAA restricts flying UAS over people. This restriction limits the use of UAS on many engineering and construction projects. The FAA also limits UAS flying altitude to under 400 feet AGL, which reduces the productivity of UAS in acquiring aerial data.

GDDD FOR LARGE PROJECTS	985	NO
GDDD FOR SMALL PROJECTS (under 2 sg mil)	NO.	YES
PAA RESTRICTED OVER PEOPLE	NO	YES
CAN CARRY SOPHISTICATED SENSORS	165	NO
OPERATIONAL COSTS	HIGH	LOW
EASY MOBILIZATION	NO.	YES
PRODUCT ACCURACY	HIGH	MEDIUM TO HIGH
PRODUCTIVITY	HIGH	VERY LOW
OPERATIONAL RISK	LOW	HIGH
MACERY QUALITY	HGH	MEDIUM TO HIGH
MAGERY RESOLUTION	MEDIUM	HIGH
COMMON IMAGERY RESOLUTION	7.5-35em	1-2on
PRODUCT POSTTONAL ACCURACY	5-15cm	2-15on
GOOD FOR INSPECTION	NO.	YES
GOOD FOR CONSTRUCTION SITE MONITORING	NO NO	YES
WEATHER IMPACT ON OPERATION	LOW	HIGH

### Appendix A: Incident Reporting Pocket Cards A.1 Law Enforcement Assistance Program

The following pocket cards are available on the FAA website at:

### 7.2 Temporary Flight Restrictions

### What Kind of Drone Flyer Are You?

## Advanced Techniques to Detect and Neutralize Hostile Drones

### Directed Energy

Directed energy weapons, such as lasers, offer a hard kill solution against hostile drones. They can immediately neutralize aerial vehicles without collateral damage. These devices focus a highenergy beam directly onto the target. This results in the instant destruction or disabling of the drone.

Lasers are precise and cause minimal environmental impact. They operate silently and at the speed of light, making them effective even against fastmoving targets in airspace.

### Electronic Warfare

Electronic warfare tactics disrupt or take control of uncrewed aircraft systems through electronic means. Devices known as jammers interfere with the drone's communications. This can force it to land or veer off course.

- ABBOAD:

  (a) All personnel subject to COM authority and the evenaes Department-run facilities in which they are located;

  (b) All personnel under the socruty responsibility of the discetary white working a Countine under COM authority; and COM are are under the security responsibility of the Secretary.

  Demander of the County of the Cou
- ame aware, mee ormen, memorane, are unamplischiest (A) all Department fielder in the LS-of adequated servincies segred personnel under security responsibility of the Secretary of State shile at (C). All foreign of demestic one-Operatment employees, contraction, trainees, and visitors at a Department fielding and (C). Dis personnel employee demestable) in the presention of frome politions facilities and responsibility in addressing secretary foreign deposits foreign and produce facilities and personnel, including visiting foreign depotatries. Following Dis directorates hold Dis policy responsibility in addressing various aspects of UAS use and activity:

- The following U.S dies.vox.vox.

  (1) Countermeasures (DS/CI)

  (2) Cyber and Technology Security (DS/CTS);

  (3) Demestic Operations (DS/OD);

  (4) High Threet Programs (DS/HTP);

  (5) International Programs (DS/HTP);

  (6) Security Infrastructure (DS/SI);

  (7) Threat Investigations and Analysis (DS/TII

  (8) Training (DS/T).

### 12 FAM 1011.4 DS Legal Authorities

- LILIUS-339; 08-98-0209). The Christopheric Security and Antherrorism Art of 1986 (Public Law 99-399; 22 U.S.C. 4901, et seq., as amended. The Chroibas Diplomatic Security Amended to the Secretary of State set forth in 22 U.S.C. 4902(a) delegated to the Assistant Secretary for Diplomejated of Authority ho. 214, dested 9-20-1994.
- The Overseas Security Policy Board, a subgroup of the Records Access and Information Security Policy Coordination Committee of the National Security Council (National Security Presidential Directive).

- Countil (National Security Presidential Directions of U.S. Government difficient Security Principles of the Michael Security Annual Principles of the Michael Security Annual Principles and Foreign and Facilities providing for the protection of U.S. Government difficient and foreign difficient send in the Department of State State Annual Principles and Facilities found in the Department of State State Annual Principles and Facilities State Annual Principles and Facilities State Annual Principles Annual Principle
- 1990 (2015. C. 4895):

  Extendinary protective services to be provided by DS pursuant to the Foreign Missions AL, 22 U.S.C. 4134, et sea.
  Authorities related to the sharing of terrorism information are found in Executive Order 13358 and 32 CR 73.00.

  Authorities related to the sharing of terrorism information are found in Executive Order 13358 and 32 CR 73.00.

  Presidence 1345 and 1345 an

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- opulations:
  [5] Membrings: [5] St monitors the evolution, application, and detection methods associated with UAS globally; DS programs are designed to assist in deserging measures to content and mitigate emerging UAS threats;
  [6] Hospitality measures to content and mitigate emerging UAS threats;
  [6] Hospitality measures to content and mitigate emerging UAS threats;
  [7] Hospitality measures to content and mitigate emerging UAS growing and Enrollettonial analysis tools to report, investigate, and assist the development of UAS growing and Enrollettonia analysis tools to report, investigate, and assist the development of UAS growing and Enrollettonia analysis tools to report, investigate, and assist the development of UAS growing analysis and the experiment of UAS growing analysis and the exp
- threat milipation circulayse;

  O Tamining: Difference and implements training programs for DS personnel for the safe detection, response to, and milipation of the threat posed by OT Tamining: Difference and implementation of the threat posed by OT Tamining of the OT Tamining of

Aircraft Air Traffic Airports Pilots & Airmen Data & Research Regulations Space D

Cyberspace

COUNTERSPACE CONTINUUM

## **Public Safety Toolkit**

Net-Capture Systems

Federal Aviation
Administration

# Net-capture systems provide a non-destructive method for intercepting drones. These systems physically capture aerial vehicles using nets fired from ground-based units or other drones.

This technique is ideal for scenarios where This technique is ideal for scenarios where preserving the drone for analysis is necessary. It avoids causing harm that could lead to unintended consequences in populated areas.

### Integration of Counter-UAS Technology for Enhanced Security Sensor AI Fusion

sensor At Fusion. Integrating sensor data with artificial intelligence (AI) marks a significant step in combating hostile UAWs. This combination allows for the dynamic prediction and mitigation of drone threats. Sensors collect real-time data about drones, including their



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Ecundary Airspace: COI