ALL-DOMAIN ANOMALY RESOLUTION OFFICE

The Defense Department's UAP Mission & Civil Aviation

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AARO emerged from Congressional and Departmental recognition that UAP present complex **hazards** and **threats across service**, **regional**, and **domain boundaries**.

—What is the All-domain Anomaly Resolution Office (AARO)?

—What outcomes does AARO aim to produce?

—How will AARO resolve phenomena?

—How are AARO's mission responsibilities applicable to you?

anomalous observations: material, behavioral, or capability attributes perceived to be beyond known performance envelops

Unidentified Anomalous Phenomena (UAP) are sources of anomalous spaceborne, airborne, seaborne, or transmedium observations that are not yet attributable to known actors or causes

AARO is a uniquely-capable, Defense Department organization that integrates **operational**, **scientific**, and **intelligence** capabilities to resolve UAP.

our mission

minimize technical and intelligence surprise, by synchronizing scientific, intelligence, and operational detection, identification, attribution, and mitigation of unidentified, anomalous objects in the vicinity of national security areas

our vision

unidentified, anomalous objects are effectively and efficiently detected, tracked, analyzed, and managed by way of normalized DoD, IC, and civil business practices; by adherence to the highest scientific and intelligence-tradecraft standards; and with greater transparency and shared awareness

key scientific and intelligence questions

- Physical, technical, behavioral, and contextual **characteristics** of phenomena, their composition, and their movement
- **Capabilities**, **limitations**, and **vulnerabilities** of phenomena and any assessed technological gap between phenomena and the United States
- Indications and characteristics of **hazards**, **risks** and/or **threats** by phenomena to the United States, its people, its equities, and/or its instruments of national power
- **Attribution** of phenomena to natural and/or artificial sources
- Indications of **foreign observation** of and reaction to phenomena
- The **disposition** of observed phenomena

The potentially **ubiquitous presence** of UAP defines the national-security implications and drives the **broad range** of **stakeholders** and demand for rigorous **scientific understanding** of and intelligence on phenomena

US Territory & Operating Areas

- DoD observations and reporting of UAP most often in the vicinity of US military facilities and operating areas
- Threats to the immediate safety of US citizens and Government facilities, across domains, is priority
- Safety and security risks of UAP heighten US Government awareness and drives research and mitigation efforts

US Strategic Capabilities

- Reporting on UAP proximity to strategic capabilities and critical infrastructure primarily historical; analysis limited by information currency and source reliability
- Consequence of UAP in the vicinity of strategic capabilities is high, potentially threatening strategic deterrence and safety of civil society
- DoD strengthening observations and reporting capabilities near US strategic capabilities and critical infrastructure

Foreign Territory & Operating Areas

- Reporting on UAP activity in foreign territory or operating areas limited by source reliability
- Consequence of such moderate-to-high, potentially leading to adversarial misattribution of UAP to the United States
- Allies and strategic competitors apply resources to observe, identify, and attribute UAP (open source)

Key partners and stakeholders include DoD, IC, DoJ, NASA, FAA

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AARO leads integration of the Department's UAP **operations**, **research**, **analyses**, and **strategic-communications** to deliver exquisite data, advanced sensors, sound analytics, and shared mission awareness and ownership

synchronizing and sequencing Theater, IC, and other capabilities for optimized, cross-functional UAP detection, tracking, mitigation, and recovery

Integrated-Operations

revealing and exploiting elusive and enigmatic signatures through advanced technologies and focused, cross-sector partnerships

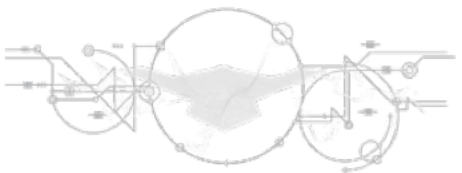
S&T Research & Application

delivering peer-reviewed conclusions through deliberate syntheses of scientific and intelligence method, tradecraft, tools, and expertise

Interdisciplinary Analyses

driving shared awareness across mission partners, oversight authorities, and stakeholders—normalizing cross-sector partnerships and building trust with transparency

Focused Communications



Our mission success and our ability to contribute to aviation safety depends on observations and insights from the aviation community

Educate Aviators and Crews

The subject of UAP is laden with decades of imprecise—and often sensational—information

Promulgating accurate information about UAP, their implications to flight safety and national security, and our commitment to resolving them is foundational to our partnership with the community.

Sharing what UAP data is critically-important for scientific and intelligence analyses allows aviators and crews to optimize the value of their observations and reporting of phenomena

Encourage Reporting

Historically, reticence to UAP reporting has limited the Government's ability to guard against aerial safety and security threats

Destigmatizing discussion *about* and reporting *of* UAP is essential for tracking, resolving, and defending against such phenomena

Government efforts to encourage military aviators and crews to report phenomena have substantially increased the quantity and quality of UAP data

Updating Civil Aviation Reporting Mechanism

Leverage Our Expertise & Systems

Aviators and crews informed about UAP and willing to report have historically had few official channels to submit observational data

We are working with military, civil, and industry partners to develop and field reporting mechanisms available to aviators and crews

By leveraging our systems, we will be able to quickly incorporate aviators' and crews' reporting into the corpus of data, to optimize scientific and intelligence analyses, and to provide feedback to the reporting individual and/or organization

What kind of information would be necessary and sufficient for UAP analyses?

about the phenomenon

- UAP-event description or narrative
- UAP location relative to the observer, with as much precision as practicable
- Number of UAP-objects observed during the phenomenon and indications of intra UAP-object coordination and/or communication
- Indications of advanced and/or enigmatic capabilities
- UAP characteristics, including physical state (e.g., solid, liquid, gas, plasma); description (e.g., size, shape, color); signatures; propulsion means; payload
- UAP performance envelope, including altitude and/or depth; travel path and trajectory; velocity; maneuverability
- UAP behavior, including whether under apparent intelligent control, apparent response to observation and/or observer presence, and apparent indications of indifference or hostility

about the observer

- Observer's date, time, location, and travel path for first and last observation of the UAP, with as much precision as practicable
- Observer's behavior toward the UAP
- Sensors that detected the phenomenon (e.g., visual, radar)
- Any physiological, psychological, or other effects apparently corresponding to the UAP observation
- Observer's assessment of the UAP, including the nature of the phenomenon and whether it was benign, a hazard, or a threat
- Identification of any other observers

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