

## Features

- Contains icons, images, & visual cues for identifying common/typical hardware components of sUAS
- Allows users to quickly swipe through possibilities & interactively refine a list of possible sUAS that match known systems in a sUAS database
- User is able to view specifications, notes, images, or any other information from user entered data or manufacturer data
- Allows the users to add a new sUAS if a downed sUAS is encountered that does not exist in the database
- Network connectivity is only needed on initial download & database updates

## Availability

### Android Devices

- Google Play Store
  - Search for 'sUAS Guidebook'
- Android 5.0 & above

### iOS Devices

- App Store
  - Search for 'sUAS Guidebook'
- iOS 8 & above



For more information contact:  
Ed Kaltenbach *Product Manager*  
505.883.3636  
suasGuidebook@ara.com

### About ARA

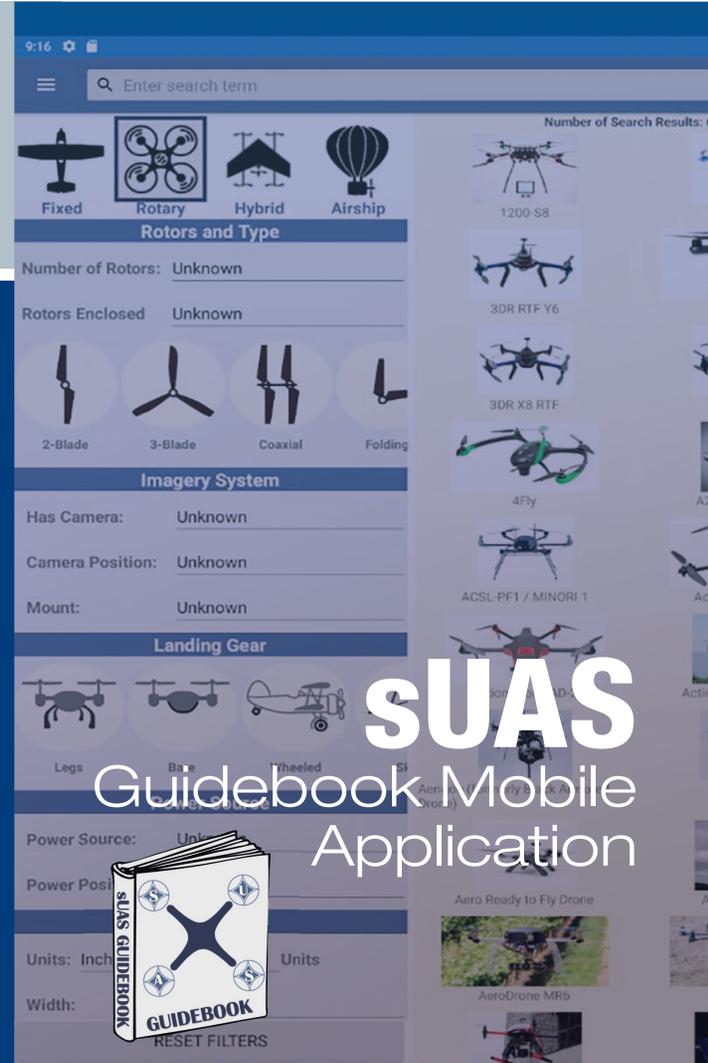
Applied Research Associates, Inc. (ARA) is an international research and engineering company recognized for providing technically excellent solutions to complex problems in the physical sciences. Our mission is to provide in-depth and diversified research, engineering, and technical support services. Founded in Albuquerque, New Mexico, in 1979, ARA is an employee-owned company dedicated to producing innovative solutions in a timely and cost effective manner. With over 1,000 employees, most of whom have advanced degrees in engineering and the physical sciences, we have the breadth to tackle the most challenging technical problems.

### About CTTSO

The Combating Terrorism Technical Support Office (CTTSO) ([www.CTTSO.gov](http://www.CTTSO.gov)) is charged with providing a forum for interagency and international users to discuss mission requirements to combat terrorism, prioritize those requirements, fund and manage solutions, and deliver capabilities. The CTTSO accomplishes these objectives through rapid prototyping of novel solutions developed and field-tested before the traditional acquisition systems are fully engaged. The Improvised Device Defeat & Explosives Countermeasures (IDDEC) Subgroup, under Dr. Edwin Bundy, performs this mission in service of the Joint Military EOD Community and state/local Public Safety Bomb Squads.



**Combating Terrorism Technical Support Office**  
Dr. Edwin Bundy *Government Program Manager*  
Joel Carter *Deputy Program Manager*



A mobile quick reference guide to support response operations for identification & analysis of downed sUAS aircraft for the Explosive Ordnance Disposal/Public Safety Bomb Technician community



# sUAS

## Guidebook Mobile App



CTTSO Combating Terrorism Technical Support Office



The sUAS Guidebook is an Unmanned Aircraft System (UAS) classification system that allows users to easily identify small Unmanned Aircraft System (sUAS). It is a mobile quick reference guide to support response operations for identification and analysis of downed sUAS aircraft for the Explosive Ordnance Disposal / Public Safety Bomb Technician community. The sUAS Guidebook consists of an application that runs on portable devices (smart phones and tablets). The entire guidebook resides on the user's mobile device so that everything the user needs is available locally. The user is able to update the sUAS Identification Guide to make new sUAS entries and/or modify existing sUAS entries if an unknown or modified platform is encountered.

The sUAS Guidebook user interface contains icons, images, and visual cues for identifying common / typical hardware components of sUAS. The sUAS Guidebook allows personnel to quickly swipe through possibilities and interactively refine a list of possible sUAS that match known systems in a sUAS database. With four major types of UAS' the applications give a variety of different physical attributes to select from giving the ability to narrow down until the sUAS is identified.

### Fixed

- Wing Type
- Tail Shape
- Propellers
- Imagery System
- Landing Gear
- Power Source
- Dimensions
- Color Selection

### Rotary

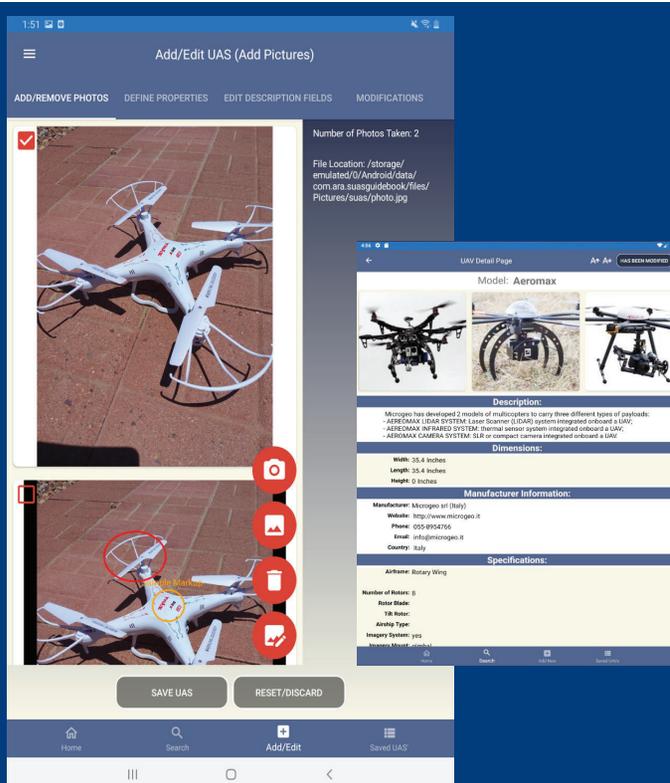
- Rotors & Type
- Imagery System
- Landing Gear
- Power Source
- Dimensions
- Color Selection

### Hybrid

- Wing Type
- Tail Shape
- Propellers
- Rotors & Type
- Hybrid Properties
- Imagery System
- Landing Gear
- Power Source
- Dimensions
- Color Selection

### Airship

- Airship Type
- Imagery System
- Landing Gear
- Power Source
- Dimensions
- Color Selection



Once the sUAS is identified the user is able to view specifications, notes, images, or any other information that has been entered about the sUAS.

The sUAS Guidebook allows users to make additions and edits to any existing entry in the database to enter notes, comments, images, or make notations on physical modifications to a sUAS platform. The sUAS Guidebook also allows the users to add a new sUAS if a downed sUAS is encountered that does not exist in the database. The mobile app allows the user to take images with the mobile device's built-in camera and add drawing overlays (allowing user to circle or label items in the image, of the encountered UAS aircraft and allow commenting on distinguishable features. It allows users to upload data for any modification seen on a sUAS or any newly encountered sUAS that is not in the database.

