

# Interagency Fire UAS Ordering (2019):

UAS incident response is increasing as federal and state agency UAS programs grow and the utility of UAS is further developed. UAS has proven to be a useful situational awareness and data collection tool.

## Approved UAS Aircraft:

- Contractor owned and operated systems and agency support positions (large scale operations):
  - Type 1 and 2 UAS
    - ScanEagle, Silent Falcon, etc
    - Flights are typically conducted with type 1 or 2 UAS from a designated location (Launch and Recovery Zone) within the incident TFR.
    - Flight altitudes are generally above 3,500' agl.
    - Flight distances are 25-50 miles from the ground station.
    - Flight durations are 2-12 hours.
    - Mission types include real-time situational awareness and mapping.
    - Sensors include still/video cameras and high quality IR/thermal cameras.
    - Crew positions include a UAS Module Leader (UASL), UAS Manager and UAS Data Specialist (UASD).
    - Communications are maintained via AM and FM base station radios.
  
- Agency owned systems and agency flight crews (small scale operations):
  - Type 3 and 4 UAS
    - 3DR Solo Quadcopter, Firefly6 Pro, Matrice 600, Mavic Pro.
    - Flights are typically conducted with type 3 or 4 UAS on the fireline.
    - Flight altitudes are generally less than 1,200' agl.
    - Flight distances are normally up to ½ mile from the ground station
    - Flight durations are less than one hour.
    - Mission types include real-time situational awareness (SA), mapping and aerial ignition.
    - Sensors include still/video cameras and moderate quality IR/thermal cameras.
    - Crew positions include a UAS Module Leader (UASL), UAS Pilot (UASP) and UAS Data Specialist (UASD).
    - Communications are maintained via FM handheld radios.
  
- UAS procured/owned by cooperating agencies (state, local, and International) may be utilized on Federally managed incidents when cooperative agreements are in place and the aircraft have been approved by letter nationally or regionally.

**UAS Typing Table:**

<b>Type</b>	<b>Configuration</b>	<b>Endurance</b>	<b>Data Collection Altitude (agl)</b>	<b>Max Range (miles)</b>	<b>Typical Sensors*</b>
1	Fixed Wing Rotorcraft	6-14 hrs. NA	3,500-8,000 NA	50 NA	EO/ Mid Wave IR High Quality IR
2	Fixed Wing Rotorcraft	1-6 hrs. NA	3,500-6,000 NA	25 NA	EO/Long Wave IR Moderate Quality IR
3	Fixed Wing Rotorcraft	20-60 min. 20-60 min.	2,500 and Below 2,000 and Below	5 5	EO/IR Video and Stills Moderate Quality IR
4	Fixed wing Rotorcraft	Up to 30 min. Up to 20 min.	1,200 and Below 1,200 and Below	<2 <2	EO/IR Video and Stills Moderate Quality IR

## Ordering Procedures:

The ordering unit should decide which type of UAS will be best suited to accomplish the mission. The [SYSTEMS](#) page on the Interagency Fire Unmanned Aerial Systems (IFUAS) website will help identify the available UAS and their capabilities. For additional information visit the [Interagency Fire UAS](#) page or contact the IFUAS Operations Coordinator (208) 387-5335

## Ordering Type 1 and 2 CWN UAS:

Type 1 and 2 UAS are considered national assets and orders should be placed through NICC. Any order of a Type 1 or 2 UAS must have an additional support request for a UAS Manager (UASM) and UAS Data Specialist (UASD). If the support request is filled at or by the local ordering unit, place the UASM and UASD contact information in the special needs section.

The screenshot displays the Resource Ordering and Status System (ROSS) interface. The window title is "Resource Ordering and Status System (ROSS) - \*\*\* PROD v2.16.12.6 \*\*\* - AZ-PDC". The menu bar includes File, Administration, Resource, Incident, Request, Travel, Status, Reports, Window, and Help. The address bar shows "[AZ-PNF-000025] Harper" and the status bar shows "New Request - [AZ-PNF-000025] Harper" and "Bec Sandle @AZ-PDC".

The main form is titled "Enter Request for Unmanned Aircraft, Fixed Wing, Type 1". It is divided into several sections:

- Select Item to Request:** Includes a "Catalog" dropdown set to "Aircraft" and a "Category" dropdown set to "Unmanned Aircraft". Below these is a table of catalog items:
 

Catalog Item	Code
Unmanned Aircraft, Fixed Wing, Type 1	
Unmanned Aircraft, Fixed Wing, Type 2	
Unmanned Aircraft, Fixed Wing, Type 3	
Unmanned Aircraft, Fixed Wing, Type 4	
Unmanned Aircraft, Rotor Wing, Type 1	
Unmanned Aircraft, Rotor Wing, Type 2	
Unmanned Aircraft, Rotor Wing, Type 3	
- Enter Request for Unmanned Aircraft, Fixed Wing, Type 1:**
  - # Requests: 1
  - Block: [1 - 999999] (SG) Default Block
  - Next Number: 2
  - Need Date/Time: 02/06/2019 12:00 PNT
  - Deliver To: Harper
  - Navigation Instructions: (Empty field)
  - Financial Code: (Empty field)
  - Special Needs: UASM - Baxter (928) 713-9894, UASD - Sandle (928) 733-0448
  - Reporting Instructions: 2400 Melville Dr., Prescott, AZ
  - Incident Ordering Contact: Baxter (928) 713-9894
  - Request Contact: AZ-PDC (Dispatch) (928) 777-5700
  - Configuration Option: Catalog Item with Configuration
- Select Features:** Includes "Available Features" and "Requested Features" sections.
- Select Inclusions and Exclusions:** Includes radio buttons for "None", "Federal Only", "Host Agency Only", "Non-Federal Only", and "State Only", and checkboxes for "Contractor Not Acceptable" and "Portal-to-Portal Acceptable".
- Request(s) Created:** Includes a table with columns S, NR, Request, Requested Item, Code, Need Date/Time, and Qty. The table is currently empty.

## Ordering Type 1 and 2 CWN UAS cont.

If the support request is not filled at the local level, make sure that it is clear in the special needs section and follow established ordering procedures.

Resource Ordering and Status System (ROSS) - \*\*\* PROD v2.16.12.6 \*\*\* - AZ-PDC

File Administration Resource Incident Request Travel Status Reports Window Help

[AZ-PNF-000025] Harper OF REQ IR PR MP RS TL RE ! Ø

New Request - [AZ-PNF-000025] Harper Bec Sandle @AZ-PDC R ? X

### Select Item to Request

Catalog Pre-Orders

Catalog Aircraft

Category Unmanned Aircraft

Item Name

Item Code Keyword

Catalog Item	Code
Unmanned Aircraft, Fixed Wing, Type 1	
Unmanned Aircraft, Fixed Wing, Type 2	
Unmanned Aircraft, Fixed Wing, Type 3	
Unmanned Aircraft, Fixed Wing, Type 4	
Unmanned Aircraft, Rotor Wing, Type 1	
Unmanned Aircraft, Rotor Wing, Type 2	
Unmanned Aircraft, Rotor Wing, Type 3	

There is one reminder for this catalog item. [View](#)

### Select Features

Available Features Requested Features

### Select Inclusions and Exclusions

None  
  Federal Only  
  Host Agency Only  
 Non-Federal Only  
  State Only  
 Contractor Not Acceptable  
 Portal-to-Portal Acceptable

### Enter Request for Unmanned Aircraft, Fixed Wing, Type 1

# Requests \* 1 Block [1 - 999999] (SG) Default Block

Next Number 2 [View Issued #'s](#)

Need Date/Time \* 02/06/2019 12:00 PNT

Deliver To \* Harper

Navigation Instructions

Financial Code

Special Needs No available UASM/UASD locally.

Reporting Instructions 2400 Melville Dr. Prescott, AZ

Incident Ordering Contact Baxter (928) 713-9894

Request Contact\* AZ-PDC (Dispatch) (928) 777-5700

Configuration Option Catalog Item with Configuration

### Request(s) Created

Requested Item  Named Request

S	NR	Request	Requested Item	Code	Need Date/Time	Qty

[Action](#) [Go To](#)

Resource Ordering and Status System (ROSS) - \*\*\* PROD v2.16.12.6 \*\*\* - AZ-PDC

File Administration Resource Incident Request Travel Status Reports Window Help

[AZ-PNF-000025] Harper

New Request - [AZ-PNF-000025] Harper

Bec Sandle @AZ-PDC

### Select Item to Request

Catalog **Pre-Orders**

Catalog: Aircraft

Category: Unmanned Aircraft

Item Name:

Item Code:  Keyword:

Catalog Item	Code
Unmanned Aircraft, Fixed Wing, Type 1	
Unmanned Aircraft, Fixed Wing, Type 2	
Unmanned Aircraft, Fixed Wing, Type 3	
Unmanned Aircraft, Fixed Wing, Type 4	
Unmanned Aircraft, Rotor Wing, Type 1	
Unmanned Aircraft, Rotor Wing, Type 2	
Unmanned Aircraft, Rotor Wing, Type 3	

There is one reminder for this catalog item. View

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### Select Features

Available Features:

Requested Features:

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### Select Inclusions and Exclusions

None  
  Federal Only  
  Host Agency Only  
 Non-Federal Only  
  State Only

Contractor Not Acceptable  
 Portal-to-Portal Acceptable

### Enter Request for Unmanned Aircraft, Fixed Wing, Type 1

# Requests: 1   Block: [1 - 999999] (SG) Default Block

Next Number: 2   View Issued #'s

Need Date/Time: 02/06/2019 12:00 PNT

Deliver To: Harper

Navigation Instructions:

Financial Code:

Special Needs: Contact Interagency Fire UAS Operations for available UASM and UASD.

Reporting Instructions: 2400 Melville Dr. Prescott, AZ

Incident Ordering Contact: Baxter (928) 713-9894

Request Contact: AZ-PDC (Dispatch) (928) 777-5700

Configuration Option: Catalog Item with Configuration

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### Request(s) Created

Requested Item    Named Request

S	NR	Request	Requested Item	Code	Need Date/Time	Qty

Action   Go To

## Ordering Type 3 and 4 Agency owned UAS:

Type 3 and 4 UAS are agency owned and operated assets and orders should be placed to the local level first. Agency owned UAS are ordered as standard overhead (UASP) with the UAS agency identifier defined in the Special Needs block in ROSS

The screenshot shows the ROSS application window titled "New Request - [AZ-PNF-000025] Harper". The interface is divided into several sections:

- Select Item to Request:** Includes dropdowns for "Catalog" (Overhead) and "Category" (\*\*ALL\*\*). A table lists the selected item:
 

Catalog Item	Code
UNMANNED AERIAL SYSTEMS PILOT	UASP
- Enter Request for UNMANNED AERIAL SYSTEMS PILOT:** Contains fields for "# Requests" (1), "Block" ([1 - 999999] (SG) Default Block), "Next Number" (1), "Need Date/Time" (02/06/2019 12:00), "Deliver To" (Harper), "Special Needs" (3DR Solo UR411 with IR), "Incident Ordering Contact" (Baxter (928) 713-9894), and "Request Contact" (AZ-PDC (Dispatch) (928) 777-5700).
- Select Features:** Divided into "Available Features" and "Requested Features" sections.
- Select Inclusions and Exclusions:** Includes radio buttons for "None", "Federal Only", "Host Agency Only", and "Non-Federal Only"; and checkboxes for "Contractor Not Acceptable", "Portal-to-Portal Acceptable", and "EFF/AD Exclusion". A "Trainee" section has radio buttons for "No Trainee", "Trainee Acceptable", and "Trainee Required".
- Request(s) Created:** A table with columns: S, NR, Request, Requested Item, Code, Need Date/Time, Qty. The table is currently empty.

## Ordering Type 3 and 4 Agency owned UAS cont.

If there are no UASP available locally follow established ordering procedures.