

FEMA Region 04 UAS Working Groups



FEMA

North Carolina\FEMA Region 04
Government UAS Working Group Meeting
01/24/2023

FEMA UAS Typing Working Group

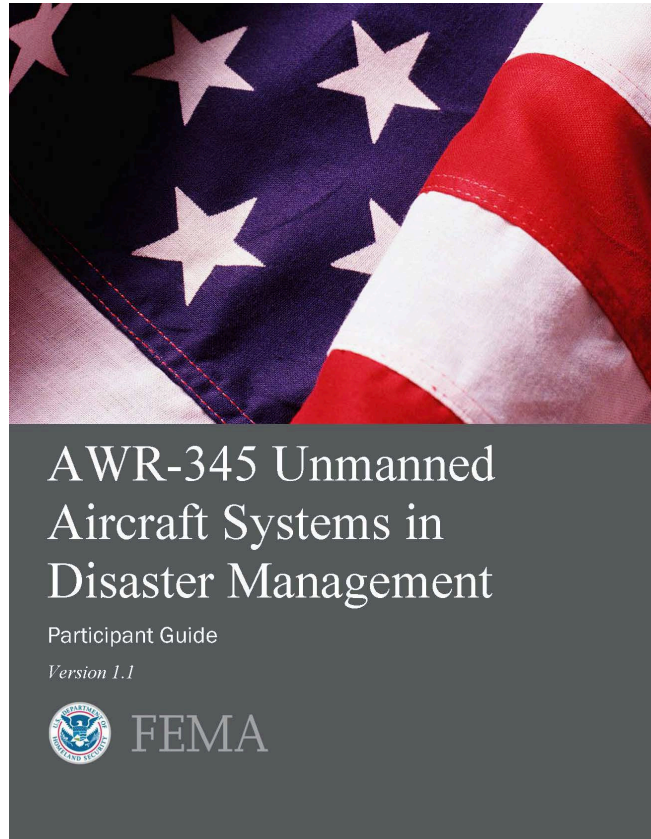
- 1. Technical Specialist – Unmanned Aircraft System (Position Qualification)**
- 2. Unmanned Aircraft System Team – (Resource Typing Definition)**
- 3. Remote Pilot-In-Command (Position Qualification)**

(Meetings Ongoing)



FEMA

FEMA National Training & Education Division



AWR-422 UAS
Flight Operations

UAS Coordinator
During Disaster
Operations



FEMA

FEMA Region 04 UAS Working Groups



AL UAS WG Kickoff - Huntsville, AL December 11, 2017



NC UAS WG Kickoff - Wanchese, NC April 20, 2018



FL UAS WG Kickoff - Tallahassee, FL August 3, 2018



NC UAS Workshop - Nags Head, NC April 19, 2018



GA UAS WG Kickoff - GPTSC June 18, 2018



SC UAS WG Kickoff - SC EOC August 28, 2018



FEMA

FEMA Region 04 UAS Working Group Exercises



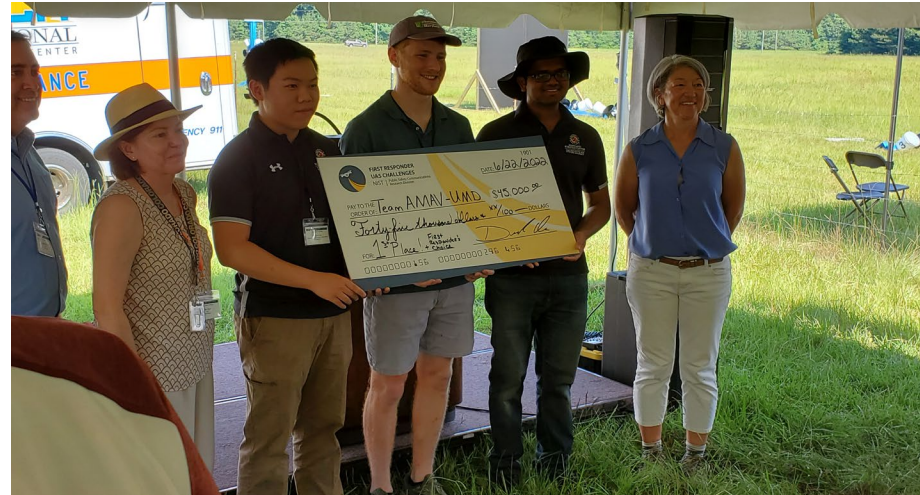
Alabama UAS WG Rodeo – October 28, 2019



Georgia UAS WG Exercise – November 28, 2019



Florida UAS Summit – March 2022



NIST Triple Challenge, Mississippi – June 2022



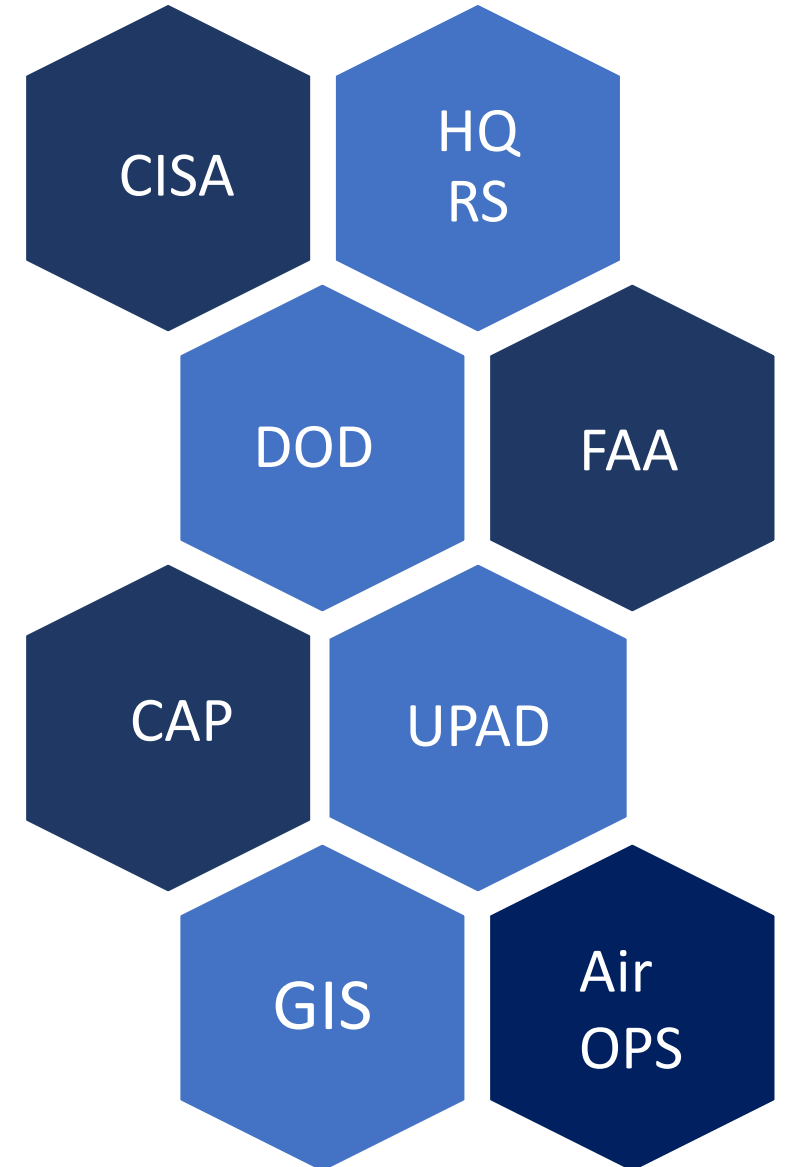
FEMA

Remote Sensing Cell

The Remote Sensing Cell was created to coordinate the collection of imagery during major disasters. This collection is accomplished by the means of a collaborative collection plan that incorporates an approved collection strategy that includes areas of interest identified by the RRCC, ESFs, state partners and other federal agencies.



The members of the RSC include: RSC Staff, Civil Air Patrol, Air Ops, FAA, Region 04 GIS, CISA, DOD Collection Plan Manager, and Imagery Analyst.



FEMA

Remote Sensing Partners

MAXAR



The International Charter Space and Major Disasters



FEMA

Data Type	DOD System	National Guard Bureau (NGB) System	Interagency System
Electro-Optical	P-3/P-8	OH-58	Civil Air Patrol (CAP) FMV (Pred-Sur)
(EO)/Infrared (IR) Full	MQ-1	UH-72	CBP Predator-B
Motion Video (FMV)	MQ-9	RC-26	CBP P-3
	USAR UAS	ANG RPA/ARNG UAS	Contracted FMV
Electro-Optical	U-2	Eagle Vision	
	RQ-1/4		
	GlobalHawk		
	OC-135	FMV-Capable Aircraft	
	FMV-Capable Aircraft		
IR Images or Screen Captures	RQ-1/4	FMV-Capable Aircraft	Commercial Satellites
	GlobalHawk		
	FMV-Capable Aircraft		
Hyper-spectral			Environmental Protection Agency (EPA)
			ASPECT
			CAP ARCHER
Multi-spectral		Eagle Vision	EPA ASPECT
			Commercial Satellites
Synthetic Aperture Radar	RQ-1/4	Eagle Vision	Commercial Satellites
	GlobalHawk	ANG MQ-9	
		ISTARS	
LiDAR			NOAA King Air/Twin Otter
Gamma	WC-135		EPA ASPECT

Collaborative Collection Plan

[illegible]

Required AOI Information

Priority

Location

Location Name

Description

Latitude

Longitude

Essential Elements of Information

Reporting Instructions

Special Instructions



FEMA



FEMA

Region 4
Remote Sensing Cell

Green St & LL Anderson Ave,
Selma, AL, 36703, USA

DOI: January 16, 2023

32.418, -87.020



FOUO

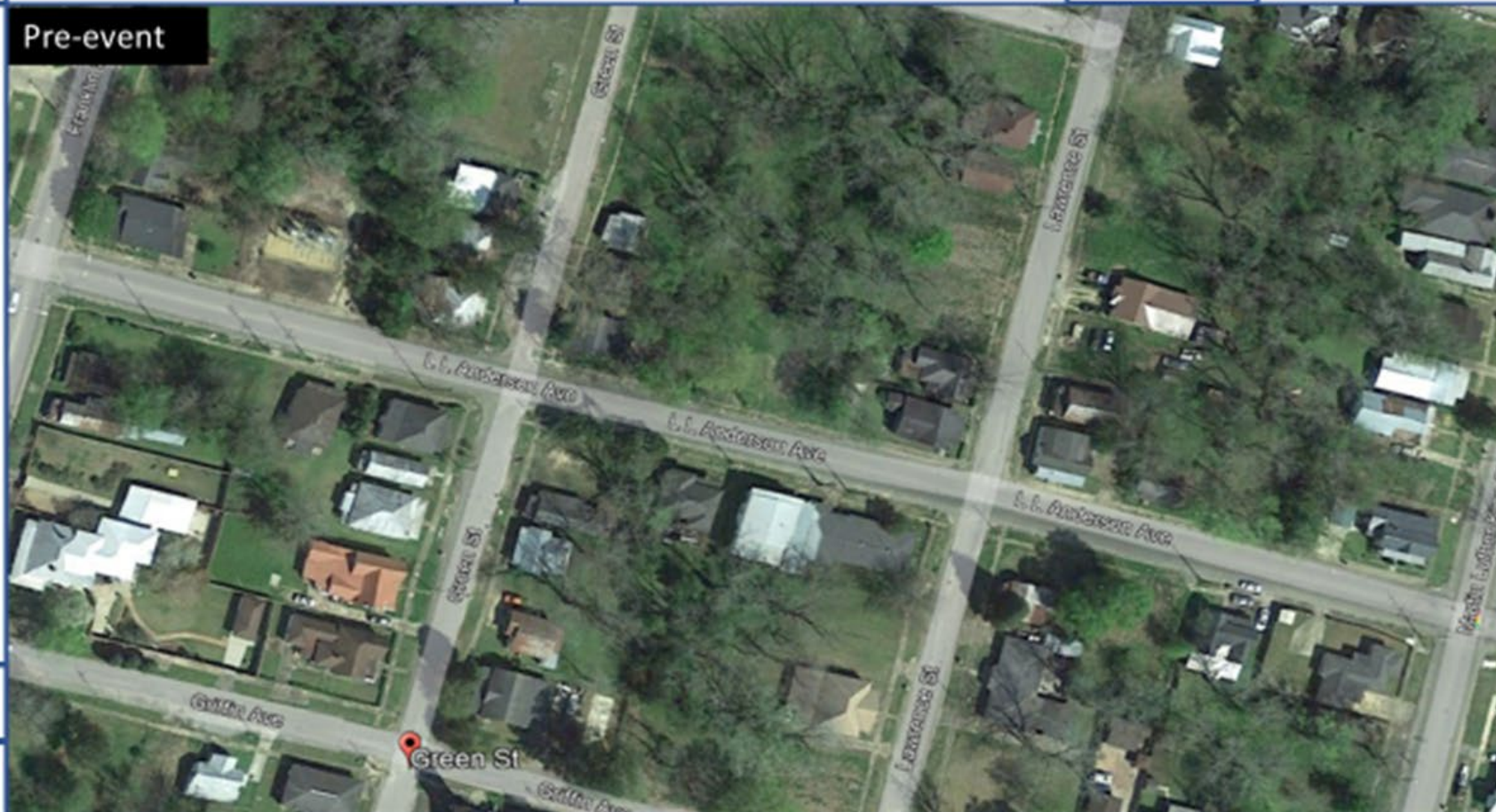
ATTENTION: This document contains U.S.
personnel information which has been
included consistent with all applicable
laws, directives, and policies.

Assessors Comments:

Pre-Disaster Imagery 3/2019

(CH, January 16, 2023 , 10:00 AM)

Pre-event



Source: Pre-event: Google Earth
Post-event: Near Map WMS

Date of Imagery: 1/14/2023
January 14, 2023



Prepared By: Cary Hollis

Reviewed By: Travis Potter

Page 1 of 3



FEMA

 <p>FEMA Region 4 Remote Sensing Cell</p>	<p>Green St & LL Anderson Ave, Selma, AL, 36703, USA</p>	<p>DOI: January 16, 2023</p> <p>32.418, -87.020</p>		<p>FOUO</p> <p>ATTENTION: This document contains U.S. persons information which has been included consistent with all applicable laws, directives, and policies.</p>
<p>Assessors Comments:</p> <p>3 Destroyed structures. There are several structures that are displaced or no longer there. There are debris fields consistent with destroyed structures.</p> <p>There are 8 Major damaged structures with substantial failure. Structural debris is visible adjacent to the buildings.</p> <p>There are 8 Minor damaged structures sustaining exterior damage (e.g., missing roofing tiles or roof segments)</p> <p>Multiple structures were potentially affected by high wind event. Egress and ingress are observed to be unrestricted.</p> <p>(CH, January 16, 2023 , 10:00 AM)</p> <p>Source: Pre-event: Google Earth Post-event: Near Map WMS</p> <p>Date of Imagery: 1/14/2023 January 14, 2023</p>	<div data-bbox="652 601 1217 1150" data-label="Image"> </div> <div data-bbox="1217 247 2326 1150" data-label="Image"> </div>			
<p>Prepared By: Cary Hollis</p>		<p>Reviewed By: Travis Potter</p>		<p>Page 2 of 3</p>



FEMA



FEMA
Region 4
Remote Sensing Cell

Green St & LL Anderson Ave,
Selma, AL, 36703, USA

DOI: January 16, 2023

32.418, -87.020



FOUO

ATTENTION: This document contains U.S. persons information which has been included consistent with all applicable laws, directives, and policies.

Assessors Comments:

Observed area post-event. Multiple non-construction debris piles are visible in the highlighted white boxes

(CH, January 16, 2023 , 10:00 AM)

Post-event



Source: Pre-event: Google Earth
Post-event: Near Map WMS

Date of Imagery: 1/14/2023
January 14, 2023

Prepared By: Cary Hollis


Reviewed By: Travis Potter

Page 3 of 3



FEMA


RSC Viewer Application



RSC Viewer App


Current Event: TC Nicole

Collection Summary as of 11 Nov 2022



POI Requests (Total)

29



ROI Requests (Total)

5

Collection Request Form

Select a template to create features or click a feature on the map to edit it


All


Search Templates

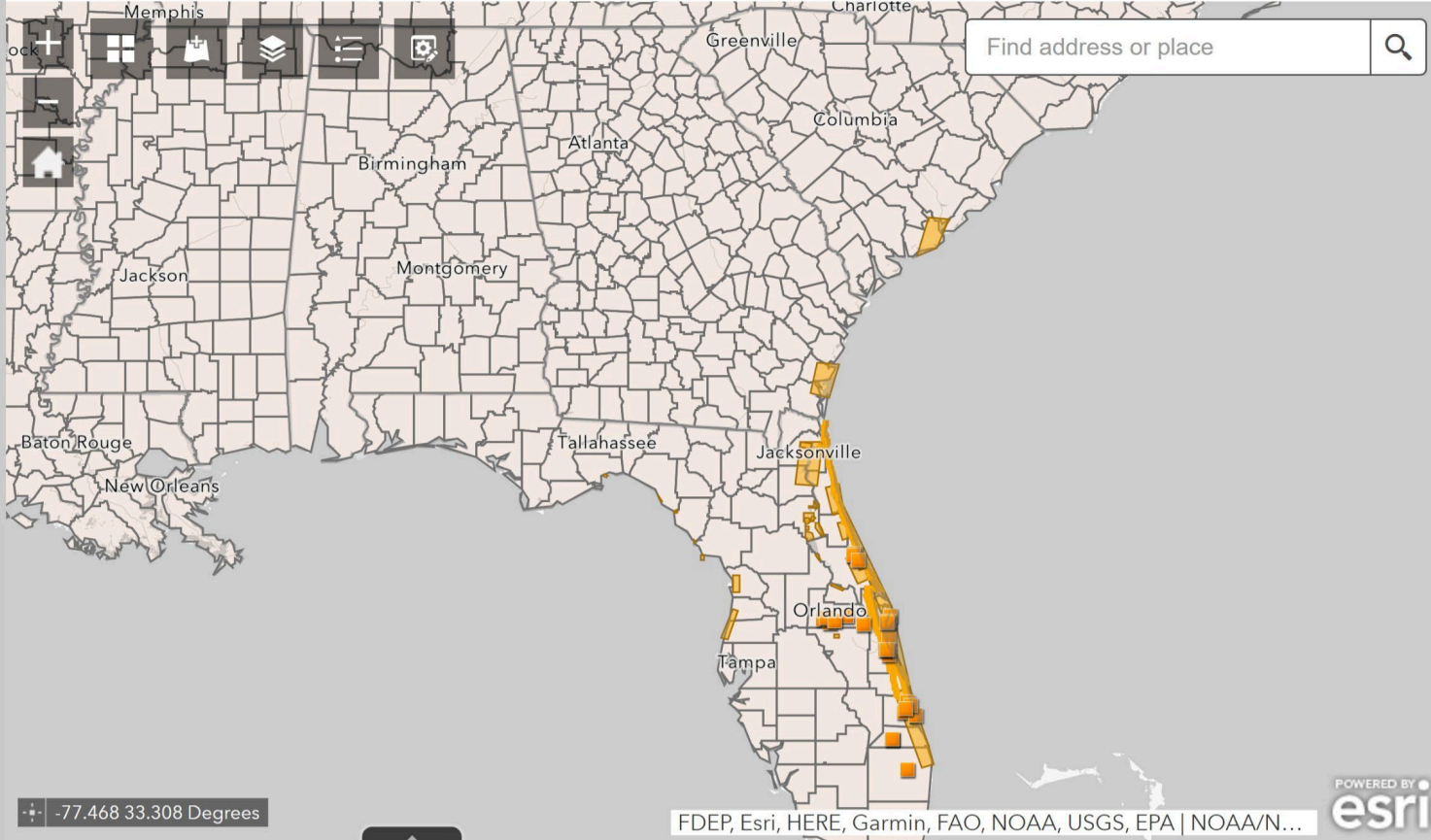
AOI Filter

ROI Filter

POI Filter

 Tasked AOIs

 Completed AOIs





FEMA



FEMA

Questions & Discussion

FEMA Region 04 Remote Sensing

Travis Potter
UAS/Remote Sensing Coordinator
404.909.1400
travis.potter@fema.dhs.gov