

## CWN UAS AMD 23 Cheat Sheet (Updated 8/5/20)

### Header

- Task Orders are unique to each vendor.
  - Ensure the correct # is assigned based on responsible agency
  - The task order # should be annotated in the Special Needs section of the resource order.
- Item #: 10 (until further notice)
- If no N#, use FAA sUAS registration #.
- Invoice start/end date: First and last day of travel
- Hired date: Date resource order is generated.
- Released date: Date of demobilization/release from incident

### Vendor Task Order Numbers

Vendor	Contract #	DOI Task Order	USFS Task Order
Precision Integrated	140D8119D0010	140D8020F0371	140D8020F0380
P2S	140D8018D0009	140D8020F0370	140D8020F0379
Bridger Aerospace	140D8018D0004	140D8020F0365	140D8020F0374
Insitu	140D8018D0006	140D8020F0369	140D8020F0378
Drone America	140D8119D0008	140D8020F0368	140D8020F0377
BYE UAS Sil Falcon	140D8119D0006	140D8020F0366	140D8020F0375
Trumbull Unmanned	140D8119D0011	140D8020F0372	140D8020F0381
ArgenTech	140D8119D0005	140D8020F0364	140D8020F0373

### Other Nuggets:

- Use 4 digit Fire Code (from resource order) in the Charge Code Section for BLM fires
- Use 6 digit Fire Code (from resource order) in the Charge Code Section for USFS fires
- Determine support vehicle GVW to determine Class (1-4)
- Record mileage and personnel time every day during mob/demob
- The daily rate is entered into PD, AV, P61, P62, SV
- UA is an hourly percentage of AV and must be calculated
  - Divide 12 (daily AV) by the hours of UA (for 2 hours UA:  $2/12 = .17$ )
  - Subtract UA% from 1 ( $1 - .17 = .83$ )
  - Enter .83 in the AV quantity cell. Row will autocalc to 415.

- Enter .17 in the UA cell and a rate of 0. Row will autocalc to 0.
- Enter the reason for UA in the Remarks section.
- Bilee Code is always 61C0
- Carry a copy of the contract
- You must use ¾ PD on first and last day
- Most common Use Code is 20F.
  - Aerial Imagery/Infrared/Video/Photo/Mapping/GPS (Above 500' AGL) - Fire

### Pay Item Codes

DESCRIPTION	PAY ITEM	UNIT	UNIT PRICE
Flight Time	FT	Hour	N/A (Non-revenue Item)
Subsistence Allowance	PD	Overnight	Per FTR Schedule
Mobilization Travel (rate paid during travel)	P61	Hour	\$28.36
Demobilization Travel (rate paid during travel)	P62	Hour	\$28.36
Service Vehicle Class 1: 6000 lbs. or less. (auto)	SV1	Mile	Per Federal Travel Regulation (FTR) ( <a href="http://www.gsa.gov/portal/content/100715">http://www.gsa.gov/portal/content/100715</a> )
Service Vehicle Class 2: 6001 to 10,000 lbs. usually 4 wheels	SV2	Mile	\$1.71
Service Vehicle Class 3: 10,001 to 14,000 lbs. usually 6 wheels	SV3	Mile	\$2.42
Service Vehicle Class 4: 14,001 to 16,000 lbs. usually 6 wheels	SV4	Mile	\$3.14
Contractor Miscellaneous Costs	SC	Each	Actual Reimbursed

### Mission Codes (Use 20F for CWN fire missions.)

MISSION CODE	DESCRIPTION
18F	Reconnaissance/Detection (Above 500' AGL) - Fire
18I	Reconnaissance (Above 500' AGL) - Habitat/Environmental Evaluations
18N	Reconnaissance (Above 500' AGL) - Non-Fire

18O	Reconnaissance (Above 500' AGL) - Offshore
18P	Reconnaissance (Above 500' AGL) - Power Line Patrol
18S	Reconnaissance (Above 500' AGL) - Search and Rescue
20E	Aerial Imagery - Infrared/Video/Photo/Mapping/GPS (Above 500' AGL) - Law Enforcement
20F	Aerial Imagery - Infrared/Video/Photo/Mapping/GPS (Above 500' AGL) - Fire
20N	Aerial Imagery - Infrared/Video/Photo/Mapping/GPS (Above 500' AGL) - Non-Fire
20O	Aerial Imagery - Infrared/Video/Photo/Mapping/GPS (Above 500' AGL) - Offshore
21E	Aerial Imagery - Infrared/Video/Photo/Mapping/GPS (Below 500' AGL) - Law Enforcement
21F	Aerial Imagery - Infrared/Video/Photo/Mapping/GPS (Below 500' AGL) - Fire
21N	Aerial Imagery - Infrared/Video/Photo/Mapping/GPS (Below 500' AGL) - Non-Fire
21O	Aerial Imagery - Infrared/Video/Photo/Mapping/GPS (Below 500' AGL) - Offshore
56M	Aerial Survey - Migratory Birds
56P	Aerial Survey - Waterfowl Population
64N	Incident Response - Non-Fire
70F	Pilot/Air Crew Training/Proficiency - Fire
70N	Pilot/Air Crew Training/Proficiency - Non-Fire
80F	Maintenance Flight (Non-Revenue) - Fire
80N	Maintenance Flight (Non-Revenue) - Non-Fire
90F	Other - Fire

**Lessons Learned**

- Get data spec on base maps for GCS ASAP
- Perform a viewshed analysis in Arc before committing to a LRZ
- Get LRZ on the incident map ASAP
- Carry a ton of the one page operational considerations handouts
- Don't overstate your capabilities until you know you can do it.
- Test fly new sites. Ensure you have link for the entire mission area.
- Have 2 generators at each node that requires power.
- Travel with a victor base station and high gain antenna
- Have at least 2 FM radios
- Brief ATGS and helicopter pilots on LRZ procedures before first flight on the fire.
  - Location - map and lat/lon
  - Active/cold
  - Altitudes
- Carry all resource orders/AC cards/Pilot Cards/red card qualifications/contract
- Double or triple up on all equipment required for flight and data collection.
- Get vendor FAA RP card #s. Required for SGI...
- Add AOB AND Dispatch Center name and phone # to SGI.