# Getting Started with CACTUS for MP Check Pilots

ICS205 – Communications Plan

ICS233 – Task Manager

ICS204 – Assignment Status

#### New to CACTUS?

- https://missions.azwg.org
- Getting Started with CACTUS:

https://azcactus.azurewebsites.net/files/Getting%20Started%20With %20CACTUS.pdf



#### **CACTUS**



Computer Assisted Command Tracking Utility System

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Wing Commander's Dashboard	What's new?
Wings List	Command Post List
Create New Mission	<u>View Closed Missions</u>
User Account Administration	Wing Comm Designator List
Wing Aircraft List	Wing Vehicle List
<u>Task Library</u>	
Mission AAR Survey	Training Request
OPS Quals Search	Mission Staff Schedule
My Account Information	<u>Sign Out</u>

Mission Number	Description	Туре				
22-T-4617 AZ	March 2022 Barrel Cactus XIII (BMGR Imagery Training)	TRAINING				
22-T-4616 AZ	T MARCH 2022 OPEX					
22-T-MAY NM	Ouannication Focused SAR & DF Education-Training Live-ity Exercise					
22-T-4276 AZ	Fly Designated Routes for GBDAA, ANG support	OTHER				
22-1-4371 AZ	FELIX HAWK 22-08 ( KDMA)	OTHER				
22-A-3321 AZ	Annual 2022 Form 5/91 check ride for bilot					

## ICS233 – Task Manager

The ICS233 Task Manager is where tasks are entered for sorties. Since a single task may be assigned to many sorties and a sortie may be assigned many tasks, tasks are defined outside of the sorties and then referenced in a sortie. Generally, tasks should be written such that they don't specify a specific aircraft or aircrew.

Tasks may contain attached documents. The task description information and the attached documents will be visible on the sortie briefing.

You may need to add one or more tasks to the Task Manager to support the check ride that you are planning to perform. It is important that CAP aircrews are familiar with briefing information that can be generated by CACTUS.

<u>004</u>	3	0	G-22 Fire, Spring Ridge, Grid PHX 190D			G-22 Fire, Spring Ridge, Grid PHX 190D	IN PLANNING POC:	2022.02.28 Z 0146 Z	01:46:36z February 28
TASK (	04 DESCI	RIPTIO	N:G-22 Fire, Spring Ridge,	, Grid PHX 190D			110		

The tasking is to fly the areas noted in a manner to construct a photo mosaic of the burn areas, flown similar to a contour search in mountainous or canyon areas. Preferably the scanner is AP, but for training purposes an MS is OK. A sample of the photos should be uploaded to the Wing Google drive for "imagery", instructions attached.

\* If during the sortie, a smoke fire condition is observed, report to ATC with coordinates if believed to be an incipient fire.

Location

CAP Grid PHX 190d / b

Custom Way Points for Search Area

AVDOINT: 24 € 45 / 110 24 7

WAVDOINT: 24.7.00 / 110.26.05

WAYPOINT: 34 8.13 / 110 36.6

WAYPOINT: 34 6.26 / 110 35.

WAYPOINT: 34 7 29 / 110 36

SORTIES:

LOG ENTRIES:

## ICS204 – Sortie Assignment

 Add a new sortie for your flight:



Set refresh rate: No Refresh ✓ There are Refresh Disabled seconds left to refresh.

**ICS 204 - ASSIGNMENT STATUS** 

What's an ICS 204?



CURRENT TIME: 20:36:49 ZULU





#### ICS204 – Add Sortie

- Fill out the new sortie form.
- Select one or more tasks.
- Choose aircrew. If occupants don't appear in the list, add to remarks.
- In remarks, add any sortie specific information that is NOT already in the ICS233 Task.

#### Add Sortie to AZ\_TEST

Command:	SWR - AZ - Redrock Command (virtual)				
Sortie:	Prefix: A = CAP Air Sortie   G = CAP Ground	1 Sortie			
Callsign:					
Departure:					
AOR:					
Destination:					
Task:	issing Aircraft WWII Avenger Creeping Line Searc test task for \$\Bigcup 010 - PHOTO/VIDEO\$ \$\Bigcup 001 - S\$ ilot Briefin \$\Bigcup 002 - TRAINING\$ \$\Bigcup 004 - P\$ Task, Task, Task, I like Green Eggs and ham \$\Bigcup -22 \text{ Fire, S}\$ \$\Bigcup 006 - PHOTO/VIDEO\$ \$\Bigcup 008 - T\$ -22 \text{ Fire, Spring Ridge, Grid PHX 190D The taski} fly home to \$\Bigcup 011 - SEARCH & RESCUE\$ \$\Bigcup 012 - P\$	□ 009 - TRAINING  arc test task for testing logging □ 001 - SEARCH & RESCUE ilot Briefing - TEST TEST TEST , New DATA 1 □ 004 - PHOTO/VIDEO -22 Fire, Spring Ridge, Grid PHX 190D The taski □ 008 - TRANSPORTATION ci fly home to tus - NEW DETAILS HERE □ 012 - PHOTO/VIDEO □ 005 - PHOTO/VIDEO arc22 Fire, Spring Ridge, Grid PHX 190D The taski			
ETD:	HHMM ZULU				
ATD:	HHMM ZULU				
ETA:	HHMM ZULU				
ATA:	HHMM ZULU				
Sortie Date:	2022-05-30 ZULU 20YY-MM-DD				
Crew: Remarks:	1:				



							5	SWR	R - AZ - Redrock Command (vi	irtual)					
Timer Reset		Callsign	Depart / AOR /	Tasks	<u> </u>		ES IN Z		Crew	Remarks	Hobbs Total	Timer	Status	Action	
Keset			Destination		ETD	ATD	ETA	ATA			(hours)				L
	<u>A0004</u> 2022-05-15	CAP290 N9890E KFFZ	KFFZ Alt3 AOR KFFZ	001	1330		1530		Rebello (485004) - MP (480) 310-7529 Silvester (333784) - MO (480) 238-2574 Shields (643288) - MS (480) 225-6834		0.0		BRIEFING	Brief	
	<u>A0002</u> 2022-05-06	CAP247 N447CP KDVT	kdvt Alt3 AOR kdvt	001	1430	1435	1630	1635	Ricker (622254) - MP (602) 478-2378 Dusard (478422) - MO (602) 206-7597 Stevens (678434) - MS (602) 390-0195		2.0		COMPLETED	<u>CAPF</u> 104b	
	<u>A0001</u> 2022-05-21	CAP247 N447CP KDVT	dvt BMGR dvt		1500		1700		Shortridge (428450) - MP (602) 680-8429 Barnes (560187) - MO (602) 319-2920 Shoemaker (591329) - MS (781) 462-7791		2.1		COMPLETED	<u>CAPF</u> 104b	
	<u>A0003</u> 2022-05-29	CAP265 N365CA KTUS	ktus ktus		1300		1530		Blattstein (530277) - MP (520) 349-5225 Saunders (295305) - PASS (612) 202-2779		0.0		COMPLETED	<u>CAPF</u> 104b	

Once the ICS204 sortie information has been entered and the status changed to BRIEFING, a link will appear to the CACTUS generated sortie briefing. CACTUS draws data from other information in CACTUS to generate a broad briefing for the aircrew.

Download Sortie 22-T-5017.A0004 briefing to PDF

Return to the ICS 204

Printed: 2022-05-30 20:49:39 ZULU

#### **Virtual Command Post**

#### SORTIE TASKING / BRIEFING: 22-T-5017 / A0004

#### ICS 233 - TASKS

7	Γask#	Priority	Sorties	Tasking Agency	Agency Supplied Tracking No	Agency Supported	Task Type	Location	Last Edit
	<u>001</u>	3		AZWG CAP		USAF BMGR	PHOTO/VIDEO		491324: Space, James C 2022.04.26 20:04:37 z

TASK 001 DESCRIPTION: Barrel Cactus Brief - BMGR Mission Preparation -

Review BC14 Mission Parameters. A copy should be onboard the aircraft for use on the sortie.

Review www.sua.faa.gov for Special Use Airspace situational awareness

For pictures of range objects listed below in Mission Tasking or any objects found in the search/retask area, photos should, if possible, be completed using a 4 square photo pattern and:

from low altitude ~1000' AGL (target definition)

• from a higher altitude 2000'-2500' AGL (provide perspective for ground team orientation)

Plan for completion of all mission docs (incl 104a/b)

Check w Snakeye on 122.775 prior to entering airspace for any last min changes. Monitor 123.025 while in airspace. Alb Ctr. 126.45

Deliverables -- Documentation - 104, 104a/b - describe search/photo approach techniques used. Provide expansive comments - even for routine operations - e.g., events, weather, turbulence, sun angles, etc. If feasible, include in WMIRS "Sortie Files", a track log from Foreflight or aircraft G1000. Upload pictures (check accuracy of headings) (104b/picture metadata). bcphotos@azwg.org (per the instruction sheet)
Briefing/Debriefing

This briefing sheet serves as the sortie briefing. Call the AOBD immediately upon return to let me know if you located missing ordnance and then again to debrief (520-xxx-yyyy) once the documents are completed and uploaded to WMIRS and all photos downloaded, processes and uploaded to be be be because of the documents are completed and uploaded to WMIRS and all photos downloaded, processes and uploaded to be be be because of the documents are completed and uploaded to WMIRS and all photos downloaded, processes and uploaded to be be because of the documents are completed and uploaded to be be because of the documents are completed and uploaded to WMIRS and all photos downloaded, processes and uploaded to be be because of the documents are completed and uploaded to be be because of the documents are completed and uploaded to be be because of the documents are completed and uploaded to be be because of the documents are completed and uploaded to be be because of the documents are completed and uploaded to be be because of the documents are completed and uploaded to be be because of the documents are completed and uploaded to be be because of the documents are completed and uploaded to be be because of the documents are completed and uploaded to be be because of the documents are completed and uploaded to be be because of the documents are completed and uploaded to be be because of the documents are completed and uploaded to be be because of the documents are completed and uploaded to be be because of the documents are completed and uploaded to be be because of the documents are completed and uploaded to be be because of the documents are completed and uploaded to be be because of the documents are completed and uploaded to be be a support of the documents are completed and uploaded to be be a support of the documents are completed and uploaded to be a support of the documents are completed and uploaded to be a support of the documents are completed and uploaded to be a support of the documents are completed and upl

There are several sections to the sortie briefing. The first section will list all of the tasks for this sortie based upon information from the ICS233 Task Manager and may include links to attached files. The aircrew will need to click each of the links to download each attached file which will likely include OPS Plan in a .pdf, route in an image file or Google Earth .kml, and waypoints in a Google Earth .kmz or .kml file that can be loaded into ForeFlight. Notice the link to the "Virtual Command Post". The aircrew will receive this link in the briefing email. This link will connect them to the Virtual Command post via Zoom.

	SORTIE TASKING / BRIEFING: 22-T-5017 / A0004												
Sortie	Callsign	Depart AOR Destination		ALL TIMES IN ZULU ETD ATD ETA ATA			Crew	Remarks					
A0004 2022-05-15	CAP290 N9890E KFFZ	KFFZ Ah3 AOR KFFZ	1330		1530		Rebello, Aloysius Clarence (485004) - MP (480) 310-7529 crebello@cox.net  Silvester, David P (333784) - MO (480) 238-2574 david.silvester@az305.net  Shields, Donald G (643288) - MS (480) 225-6834 donald.shields@az305.net						

This is the overview of the current sortie. When the sortie briefing email is generated, it will be sent to all the aircrew members that are listed in the CREW section above. Remarks may include information that is not part of the ICS233 Task information.

				ICS	S 204 - O	THER SO	DRTIES	
Sortie	Callsign	Depart AOR	ALL TIMES IN ZULU				Crew	Remarks
Mission		Destination 1	ETD	ATD	ETA	ATA	Crew	Kemarks
22-T-4797 A0013 2022-05-28	CAP230 N930CP KDVT	DVT Practice Area DVT	1400		1530		Ricker, Joel M (622254) - MP (602) 478-2378 mike.ricker@azwg.org	Complete SAR training for Arvizu. GRID, ELT, Route.
22-T-5015 A TBD 2022-05-28	CAP255 N655CP KPRC							

These sorties MIGHT conflict with your sortie. Not all missions use CACTUS, therefore, no sorties would be visible in this report. CAP aircraft from other Wings, might be in the area, without an associated sortie in CACTUS. Maintain vigilance.

This section contains other sorties that are scheduled about the same time period as the current sortie, regardless of mission. CACTUS does not exclude conflicts based on geography and only knows about sorties that are entered into CACTUS. This section may help the pilot's situational awareness of what other aircraft are flying at about the same time even if they are not on the same mission. This also helps mission staff, since they might not know what aircraft are flying on separate missions.

	ICS 203 - MISSION STAFF										
Position Title	CAPID	First Name	Last Name	Email Address	Cell Phone						
IC	455322	James	Quinn	JQuinn3@gmail.com	(972) 571-6713						
AOBD	622254	Joel	Ricker	mike.ricker@azwg.org	(602) 478-2378						

Contact information for key mission staff. Not all mission staff appear in this list. See the ICS203 for the entire list. However, this is the basic information that the aircrew generally needs.

	ICS 205 - COMMUNICATIONS PLAN												
Type	Channel ID	Function	Designator/Channel	Notes									
VHF-FM Analog	TDFM:	Primary Air / Ground	R31 - HAVASU	Wheel UP/ OP Normal Calls - Maintain Communications every 30 Min									
VHF-FM Analog	TDFM:	Emergency Channel to Monitor IF 911 Situation occurs	Coast Guard - 16	ONLY Monitor after on Duty CAP IC Notified of 911 Situation									
VHF-FM Analog	TDFM:	Back up Communications with AOBD	TEXT MESSAGE	Back up Communications with AOBD									
VHF-FM Analog	TDFM:	Back up Channel AIR/ GROUND	TAC 1	Monitor all Times Back up to River bridge Base									
VHF-FM Analog	TDFM:	Phoenix Area Departure and Arrival Radio Channel	R18 - WHITE TANKS	Maintain Radio Comms With Cactus Command Every 30 Min									

The communication plan information covers all the repeaters / channels that are monitored by mission staff. Not all of these channels will likely be used by a single sortie, but this complete list will help the aircrew's situational awareness on potential alternate channels, in case their assigned primary does not work.

	ICS 214 - UNIT LOG - SAFETY										
COMMAND	DATE (ZULU)	TIME (ZULU)	ENTRY	USER NAME							

Recent log entries by the Safety Officer. This may be blank or may include important last minute information. A general safety message follows on a later slide.

ICS 201/202 - INCIDENT BRIEFING								
MISSION NUMBER:	22-M-0178	Start Date:	2022-05-27					
Details:	This is an Air Force Rescue Coordination Center (AFRCC) funded Precautionary Search and Rescue (PSAR) mission conducted with the resources of the Arizona Wing Civil Air Patrol (CAP), along the Colorado River during the July Fourth holiday weekend. Due to the holiday weekend there is expected to be numerous watercrafts will be operating on the Colorado River in the Lake Mohave-Lake Havasu area. On average during peak holiday periods, approximately 300 emergency calls are typically received from this area each day during the Holiday Day weekend, resulting in many saves. This mission allows CAP to provide additional lifesaving services through timely reconnaissance, observation, digital photography, communication, SAR response and interagency coordination.  Precautionary SAR along the Colorado river from Location:Sorties will be assigned by the AOBD to fly only water area that LHCPD has jurisdiction over that is the channel and the immediate shoreline within the city limits. Everything else belongs to Mohave County, or San Bernardino County on the CA side of the river. CAP shall establish the northern end of the patrol area as Jopps Landing, as the northern boundary, and about 3 miles south of Contact point as the southern boundary. These points approximate the north and south city limits of Lake Havasu City.  Report possible distress/ELT/EPIRBs from holiday river traffic. Most ICP operations will be virtual except for on-site MROs.							
Customer Contacts:	AFRCC.Console@us.af.mil primary phone number: 800-851-3051  Lake Havasu City Police Department							
Inital Resources:	SAR: CAP297, CAP277, London Bridge Squadron							
Priorities:	Establish and Maintain Radio Communications with CAP Aircrew and CAP IMT Staff to report to Lake Havasu City Police or River patrol for persons/vessels in distress and as requested to observe by Joint ICP and PD.							
Weather:	Warm to Hot Days, Evaluate specific weather on entry of individual sorties. Generally, operations will be conducted only in VFR conditions, with acceptable winds.							
Initial Tactical Objectives:	Collect Information on situation, mission, resources, maps, forensics, contacts/     2.Activate Wing Communicator Alert System, for all essential resources, to inclu     3.Employ resources effectively / safely maintaining full accountability of all pers     4.Additional objectives as needed.	de the stand up of Incident Command Posts, and teams / aircrews as necessary t	to support the mission.					
Last change:	562075: Feller, Aaron R 2022.05.22 00:38 ZULU							

ICS201/202 – Big picture of the overall mission.

ICS 215A - SAFETY PLAN							
AREA	HAZARD	MITIGATION					
AIRCREW	Fatigue, Dehydration, Busy Airspace	Monitor Duty Day Cycle, Monitor Aircrew Rest, Vigilance in busy Airspace, Communicate with Mission Base & ATC, Give PIREPS to ATC. File Flight Plan, Knowledge of local procedures & airports. Personal Limitations of Crew / Aircraft, Icing.					
ALTITUDE	Effects of Altitude, Dehydration, and Fatigue	Be observant for effects of Altitude, Drink Plenty of Water, Nutrition before Sorties, DO NOT EXCEED DUTY DAY.					
AVIATION WEATHER	Adverse Weather	Monitor Aviation WX via G1000, FSS, Foreflight, etc.					
COMMS FAILURE	Lost Communications with Mission Base / ATC	Monitor radio equipment, use lost communications procedures, have a back-up plan.					
TFRs	Avoid TFRs	Monitor Aviation WX via G1000, FSS, Foreflight, NWS, NOAA Radio, etc.					

General Safety Message. Be safe out there.



CAPF104b is a link to the CAPF104b that will be used by the MS/AP after the sortie lands to document their photos. MPs should know that this is available, even if they never use it themselves.

"Send Briefing to Air Crew via Email" will send this briefing to the aircrew (and the briefer) via email. The aircrew must be listed in the Crew section of the ICS204 and their email address must be known to eServices. Generally, the aircrew never has to sign into CACTUS as they will receive an email and it has a link to the Zoom

session for briefing and the CAPF104b for debriefing.

#### ICS204 – CAPF104b



Set refresh rate: No Refresh V There are Refresh Disabled seconds left to refresh.

#### ICS 204 - ASSIGNMENT STATUS MISSION: 22-T-5017

What's an ICS 204?



Last Refreshed: 20:42 ZULU

CURRENT TIME: 20:42:21 ZULU

No Filter V Filter by Date

[ADD SORTIE]

SWR - AZ - Redrock Command (virtual)													
Timer Reset	Sortie	Callsign	Depart / AOR / Destination	Tasks	ALL TIMES IN ZULU				Crew	Hobbs	Timer	Status	Action
					ETD	ATD	ETA	ATA	Crew	(hours)		Status	Action
	A0002 2022-05-06	CAP247 N447CP KDVT	kdvt Alt3 AOR kdvt	001	1430	1435	1630		Ricker (622254) - MP (602) 478-2378 Dusard (478422) - MO (602) 206-7597 Stevens (678434) - MS (602) 390-0195	2.0		COMPLETED	<u>CAPF</u> <u>104b</u>
	<u>A0004</u> 2022-05-15	CAP290 N9890E KFFZ	KFFZ Alt3 AOR KFFZ	001	1330		1530		Rebello (485004) - MP (480) 310-7529 Silvester (333784) - MO (480) 238-2574 Shields (643288) - MS (480) 225-6834	0.0		COMPLETED	<u>CAPF</u> 104b
	<u>A0001</u> 2022-05-21	CAP247 N447CP KDVT	dvt BMGR dvt		1500		1700		Shortridge (428450) - MP (602) 680-8429 Barnes (560187) - MO (602) 319-2920 Shoemaker (591329) - MS (781) 462-7791	2.1		COMPLETED	<u>CAPF</u> 104b
	<u>A0003</u> 2022-05-29	CAP265 N365CA KTUS	ktus ktus		1300		1530		Blattstein (530277) - MP (520) 349-5225 Saunders (295305) - PASS (612) 202-2779	0.0		COMPLETED	<u>CAPF</u> 104b
	•												$\overline{}$

After a sortie lands and the sortie status is changed to DEBRIEFING or COMPLETE, you will see a link on the right side that says "CAPF104b". The MP should be aware of this feature, but it is normally used by the MS/AP to generate the CAPF104b directly from the meta data in the photographs. Remind the MP that it is available. This link will also appear in the online and email briefing.

#### CACTUS Debrief

- Other than the CAPF104b, the aircrew does not need to interact directly with CACTUS after the sortie.
- CACTUS CAPF104b can read the meta data from pictures and write to the CAPF104b very quickly. It can read hundreds of pictures in a minute or so. This would normally take the AP hours to produce a CAPF104b the old school way.

# Questions?

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