

**DISCUSS DAART OPERATIONAL CONCEPTS AND SAFETY ISSUES FOR
GROUND AND AIR RECONNAISSANCE**

CONDITIONS

You are a DAART operator about to leave on a ground or air sortie.

OBJECTIVES

Be able to explain the major functions of the DAART system and any safety concerns you must be aware of before departing.

TRAINING AND EVALUATION

Training Outline

The student must be able to explain the following concepts:

1. DAART System capabilities
 - a. Capture and store still photographs
 - b. Capture and store video
 - c. Send and receive chat messages with other users
 - d. Transmit captured images and position information using cellular, satellite and radio networks
2. Safety concerns
 - a. Never leave battery chargers or power converters plugged in and unattended due to the risk of electrical fire.
 - b. Power converters should never be used unless absolutely necessary.

Evaluation Preparation

Setup: A DAART system is not necessary for this task.

Brief Student: Describe the capabilities of the system and safety concerns that exist for both air and ground use.

Evaluation

<u>Performance measures</u>	<u>Results</u>
1. Describe the capabilities of the DAART system	P F
2. Describe safety concerns related to the use of the DAART system	P F

Student must receive a pass on all performance measures to qualify in this task. If the individual fails any measure, show what was done wrong and how to do it correctly.

DISCUSS THE DAART SYSTEM FEATURES, ARCHITECTURE AND COMPONENTS

CONDITIONS

You are a DAART Operator receiving a DAART kit. You have been tasked with identifying the DAART System with its Features, Architecture and Components of the kit.

OBJECTIVES

Be ready to discuss the System Capabilities, the multiple assets to receive imagery and how the components interact.

TRAINING AND EVALUATION

Training Outline

1. You should be familiar with the DAART Capabilities
 - a. FMV
 - b. Still Images
 - c. Asset Location tracking
2. Be able to identify and discuss the different types of DAART users
 - a. DAART Operator
 - b. DAART User
3. Understand all Components and features in the DAART kit that you will be certified to operate
 - a. Panasonic Toughbook
 - b. JVC Camera
 - c. DAART application Software
 - d. Cables
 - e. Still Camera with Compass and GPS (only in CF30 kits)
 - f. NIKON cameras (not included with kits)
 - g. Verizon AirLink Device (not included with kits)
 - h. Harris PRC-117G radios
 - i. Iridium phone (only in CF30 kits)
4. Indicate how the DAART components link with various networks

Evaluation Preparation

Setup: A DAART system is not necessary for this task

Brief Student: Describe the Capabilities, Architecture and Components

Evaluation

Performance measure

Results

1. Describe the main Capabilities of the DAART System

P F

- | | | |
|--|---|---|
| 2. Describe the multiple assets available to the DAART System | P | F |
| 3. Identify and describe the different types of DAART Users | P | F |
| 4. Identify and describe the Components and features of the DAART System | P | F |

DISCUSS HOW TO KEEP DAART SYSTEM COMPONENTS MISSION READY**CONDITIONS**

You are a DAART operator who has received a DAART kit. You have been tasked with ensuring that all of the components are available and ready for use.

OBJECTIVES

Be able to explain the components of a DAART kit and what steps need to be taken in advance to make them ready for use on a sortie.

TRAINING AND EVALUATION**Training Outline**

1. You should be familiar with the following system components
 - a. Panasonic Toughbook
 - b. Ricoh Caplio Camera (CF30 kits only)
 - c. Nikon digital Camera (not part of the DAART kit)
 - d. JVC Video Camera
 - e. Iridium Satellite Phone (CF30 kits only)
 - f. Verizon AirLink device
 - g. Harris PRC-117G radios
2. Understand the required use of the surge protector included in the kit
3. Ensure all batteries are fully charged prior to and at the end of a mission
 - a. Panasonic Toughbook (internal and drive bay batteries)
 - b. Ricoh Caplio Camera (CF30 kits only)
 - c. Nikon digital Camera (not part of the DAART kit)
 - d. JVC Video Camera (2 batteries in most kits)
 - e. Iridium Satellite Phone (2 batteries in most CF30 kits)
 - f. Harris PRC-117G radios
4. Ensure all accessories are accounted for prior to and at the end of a mission
 - a. Use an inventory card included in each kit and confirm serial numbers so items are not exchanged between kits

Evaluation Preparation

Setup: A DAART system is not necessary for this task.

Brief Student: Describe the capabilities of the system and safety concerns that exist for both air and ground use.

EvaluationPerformance measuresResults

1. Describe the main components of the DAART kit

P F

- | | | |
|---|---|---|
| 2. Describe the process for charging the batteries on each device | P | F |
| 3. Describe the use of the surge protector included in the kit | P | F |
| 4. Describe the process of conducting an inventory of the kit | P | F |

Student must receive a pass on all performance measures to qualify in this task. If the individual fails any measure, show what was done wrong and how to do it correctly.

DISCUSS DAART CONNECTION METHODS AND LIMITATIONS

CONDITIONS

You are a DAART operator about to leave on a ground or air sortie.

OBJECTIVES

Be able to explain the connection methods for ground and air sorties and the limitations you can expect in each scenario.

TRAINING AND EVALUATION

Training Outline

1. Sprint cellular air card
 - a. Built into the Panasonic Toughbook
 - b. Preferred choice over Globalstar or Iridium when service is available in air or mobile situations
 - c. Other cellular services not specifically approved are prohibited in flight
 - d. Reliable use is limited to ground and lower altitude operation (<1,500 AGL) but there are no restrictions if service is available
2. Verizon AirLink Device
 - a. Stand-alone Wireless Network access point
 - b. Can be used wired (preferred) or Wi-Fi
 - c. Preferred choice over Sprint, Globalstar or Iridium when service is available in air or mobile situations
 - d. Other cellular services not specifically approved are prohibited in flight
 - e. Reliable use is limited to ground and lower altitude operation (<1,500 AGL) but there are no restrictions if service is available
3. Harris PRC-117G Radio
 - a. Stand-alone internet access via radio pairs (minimum)
 - b. Preferred choice over all cellular options when available in air or mobile operation.
 - c. One radio of the pair needs a hard-wired Internet connection
 - d. Radio range is approximately 30-60 miles depending on altitude and other conditions.
4. Iridium (CF30 Kit only)
 - a. Uses Iridium Satellite Phone
 - b. This requires a more complex setup than the Cellular option
 - c. Use is dependent upon line of sight to the satellite so indoor use is unlikely
 - d. Lower data speeds will likely restrict use to data capture, not web access
5. Globalstar
 - a. Uses the aircraft Globalstar Satellite Phone
 - b. This requires a more complex setup than the Cellular option
 - c. Use is dependent upon line of sight to the satellite so indoor use is unlikely
 - d. Lower data speeds will likely restrict use to data capture, not web access
6. Ethernet
 - a. Built into the Panasonic Toughbook
 - b. The preferred choice when operating at a mission base environment
 - c. You cannot have multiple connections active at the same time (Ethernet and Sprint for example)

Evaluation Preparation

Setup: A DAART system is not necessary for this task.

Brief Student: Describe the connection methods available to you during a ground and air sortie and the limitations for each option.

Evaluation

<u>Performance measures</u>	<u>Results</u>	
1. Describe the two options for communications using DAART	P	F
2. Describe the limitations when using the Sprint Cellular Air Card	P	F
3. Describe the limitations when using the Verizon AirLink device	P	F
4. Describe the limitations when using the Harris PRC-117G radios	P	F
5. Describe the limitations when using the Iridium Satellite Phone	P	F
6. Describe the limitations when using the Globalstar Satellite Phone	P	F
7. Describe the limitations when using an Ethernet connection	P	F

Student must receive a pass on all performance measures to qualify in this task. If the individual fails any measure, show what was done wrong and how to do it correctly.

P-2235
DISCUSS DAART CRM and Crew Communication

CONDITIONS

You are a DAART Operator and must discuss Crew Resource Management and how to communicate with the Crew.

OBJECTIVES

Discuss how CRM is used in CAP activities and missions.

TRAINING AND EVALUATION

Training Outline

1. As a DAART Operator, knowing how to employ effective crew resource management is essential to the safety of the mission.
2. Situational Awareness – The mission is about more than just taking pictures. You must also know what is going on around you at all times and this is called Situational Awareness. This is the responsibility of the entire crew and is the first and foremost part of the mission. It takes everyone's SA to keep the aircraft safe in flight and is essential to the safe operation of any CAP mission. Examples of good SA attitudes are:
 - a. Good mental health: where each crew member is clear and focused on their tasks and surroundings
 - b. Good physical health: this includes fatigue, sickness, hydration and stress factors
 - c. Attentiveness: keeping your attention focused on the task at hand and obstacles that could interrupt your mission
 - d. Listen: pay close attention to the Pilot's pre-flight briefing and designated assigned safety tasks especially during critical phases of flight
3. Communicate, communicate, communicate:
 - a. If it does not feel right, then it probably isn't and tell someone, if you need assistance – ask
 - b. Use terms like "time out", "abort", "knock it off" – once these terms are used, the pilot will terminate the task and discuss the problem and the action that will be taken (usually discussed during preflight briefings)
 - c. If your workload is unmanageable, ask the second Scanner or the Observer for assistance
 - d. Give good directions: when taking video or pictures, the DAART Operator is in command and will be requesting the Pilot when to turn and will give the direction turns are to be made. Make sure that turns are in degrees based on the nose of the aircraft.
 - e. Obtain a thorough briefing from the planning section as to the exact tasks needed for the mission, if there is a smallest doubt ----- ask, challenge and get the answers that are understandable.
 - f. Obtain a thorough briefing with the DAART Operator or User who will be on the ground unit tracking and chatting your flight.
4. Work area
 - a. Prepare your work area by organizing where to setup your computer so that the antenna will have an un-obscured access to the sky.
 - b. The best CRM results can be achieved if there are 2 Operators in the back seat and it be decided in advance who will be taking the video and who will be operating the computer

Evaluation Preparation

Setup: None

Brief Student: You are a DAART Field Technician and are asked to discuss CRM

Evaluation

<u>Performance measure</u>	<u>Results</u>	
1. Discuss situational awareness and how to regain SA once it is lost	P	F
2. Discuss some of the barriers to communication	P	F
3. Discuss task saturation and strategies to minimize it	P	F
4. Discuss crew assignments and coordination of duties	P	F

DISCUSS FACTORS AFFECTING THE SUCCESS OF THE DAART SORTIES

CONDITIONS

You are a DAART system operator on a Sortie and are having various issues with the DAART equipment and/or Software.

OBJECTIVES

Be ready to discuss the Factors affecting a sortie and how to troubleshoot and fix the leading issues in order to complete a successful sortie.

TRAINING AND EVALUATION

Training Outline

1. Other Factors:
 - a. Crew Readiness
 - i. Follow the IMSAFE rules
 - ii. Adhere to the Duty Day Restrictions
 - b. Maintain equipment readiness
 - c. Use available checklists for obtaining specific information on the upcoming Sortie
 - d. Preplan with aircrew, DAART Operator and initial briefer
2. Discuss the issues and provide solutions for the Panasonic CF-3x Toughbook
3. Discuss the following factors affecting the Sprint Network and provide solutions:
 - a. The Sprint Network will suddenly disconnect during a sortie
4. Be able to identify the factors that will affect the DAART application during a Sortie
 - a. Password issues
 - b. The latitude and longitude are indicating you are in the middle of the Ocean
 - c. Failed to connect to the DAART Server
5. You should be able to correct the following issues while operating the JVC Camcorder
 - a. No power is supplied
 - b. Battery is not recharging
 - c. LCD monitor is difficult to see
 - d. Recording cannot be performed
 - e. There are shadow images on the video or still photos
 - f. Video not displaying clearly
6. You are having the following issues with the Ricoh Camera (CF30 kits only):
 - a. The camera will not turn on
 - b. The GPS is not being displayed
 - c. The compass is not displaying correctly
 - d. The picture is blurred
 - e. A file cannot be deleted on the camera
 - f. The camera does not beep after turning on
7. You are having the following issues with the Nikon Camera:
 - a. The camera will not turn on

- b. The GPS is not being displayed
- c. The picture is blurred
- d. A file cannot be deleted on the camera

Evaluation Preparation

Setup: A DAART system is not necessary for this task

Brief Student: Describe the Factors affecting the Success of the DAART Mission

Evaluation

<u>Performance measure</u>	<u>Results</u>	
1. Describe the issues and provide solutions for the Panasonic CF-3x Toughbook	P	F
2. Describe the following factors affecting the Sprint Network and provide solutions	P	F
3. Describe the various factors affecting the DAART application and provide solutions	P	F
4. Describe how to resolve the various issues with the video camera	P	F
5. Describe how to resolve the various factors affecting the success of the still camera	P	F

DEMONSTRATE SUCCESSFUL CONNECTION USING COMMON DAART COMMUNICATIONS METHODS

CONDITIONS

You are a DAART operator on a ground or air sortie. You have been issued a DAART kit and need to establish connection to the network using the Sprint Cellular Air Card, the Iridium Satellite Phone, the Globalstar Aircraft Satellite Phone, Verizon AirLink, Harris PRC-117G radio and Ethernet.

OBJECTIVES

Be able to demonstrate or discuss connecting to the network using both options available.

TRAINING AND EVALUATION

Training Outline

1. Sprint cellular air card
 - a. Demonstrate that the cellular antenna is extended before use (CF-30 only)
 - b. Demonstrate the ability to connect to the Sprint network
 - c. Demonstrate the ability to reestablish the connection to the network if lost
 - d. Show the connection has been established by demonstrating the DAART software is working properly.
2. Verizon AirLink device
 - a. Demonstrate proper setup, connection of antennas and power cables to the AirLink.
 - b. Demonstrate that the AirLink device is powered on and ready to communicate
 - c. Demonstrate the ability to connect to the Verizon AirLink device (cable or WiFi)
 - d. Show the connection has been established by demonstrating the DAART software is working properly.
3. Harris PRC-117G radio
 - a. Demonstrate that the external antenna is connected to the radio before use
 - b. Demonstrate the ability to connect to the radio network
 - c. Demonstrate how to power on the radio
 - d. Show the connection has been established by demonstrating the DAART software is working properly.
 - e. Demonstrate use of the voice feature of the PRC-117G
4. Iridium (CF 30 Kits only)
 - a. Attach the external antenna to the handset
 - b. Connect to the Iridium satellite network
 - c. Show the connection has been established by demonstrating the DAART software is working properly.
 - d. Note that the external antenna needs to be located away from compasses due to the magnetic base
5. Globalstar
 - a. Attach the serial cable between the Panasonic Toughbook and the appropriate connector in the aircraft
 - b. Connect to the Globalstar satellite network
 - c. Show the connection has been established by demonstrating the DAART software is working properly.
6. Ethernet

- a. Note that the Ethernet cable must be attached before the Panasonic Toughbook is powered on (CF-30 only)
- b. Show the connection has been established by demonstrating the DAART software is working properly.

Evaluation Preparation

Setup: A DAART system is required for this task.

Brief Student: Demonstrate each the connection methods available to you during a ground and air sortie.

Evaluation

<u>Performance measures</u>	<u>Results</u>
1. Demonstrate the student's ability to use the Sprint Cellular Air Card	P F
2. Demonstrate the student's ability to use the Verizon AirLink	P F
3. Demonstrate the student's ability to use the Harris PRC-117G radio	P F
4. Be able to discuss how to use the Iridium Satellite Phone	P F
5. Demonstrate the student's ability to use the Globalstar Satellite Phone	P F
6. Demonstrate the student's ability to use an Ethernet connection	P F

Student must receive a pass on all performance measures to qualify in this task. If the individual fails any measure, show what was done wrong and how to do it correctly.

DEMONSTRATE SETUP AND OPERATION OF THE FULL MOTION VIDEO CAMERA

CONDITIONS

You are a DAART Operator receiving a DAART kit and have been tasked to record Full Motion Video

OBJECTIVES

Be ready to demonstrate how to setup and operate the Full Motion Video Camera.

TRAINING AND EVALUATION

Training Outline

1. You should be familiar with the following parts of the FMV camera:
 - a. Battery and charger
 - b. Power cable
 - c. Dual Memory cards
 - d. Audio/Video cable
 - e. Auto Power on/off
 - f. Lens Cover
2. Be able to demonstrate setup of the FMV camera with the Audio/Video cables
3. Demonstrate how to connect the camera to the Toughbook Laptop and ensure connection prior to starting DAART application.
4. Be able to power on the Camera
5. Show how to open and close the lens cover
6. Demonstrate how to recharge the batteries

Evaluation Preparation

Setup: A DAART system FMV camera is necessary for this task

Brief Student: Demonstrate how to setup and operate the Full Motion Video Camera

Evaluation

Performance measure

Results

- | | | |
|---|---|---|
| 1. Show and identify the various components of the FMV Camera | P | F |
| 2. Demonstrate the setup of the FMV Camera with proper cables | P | F |

3. Show that the camera is connected to the laptop before executing DAART software P F
4. Demonstrate how to operate the FMV Camera P F
5. Demonstrate how to change and recharge the batteries of the camera. P F

DEMONSTRATE OPERATION OF THE DAART WINDOWS CLIENT FOR CHAT

CONDITIONS

You are a DAART Operator receiving a DAART kit and have been tasked to operate the DAART Client Laptop and communicate using Mission and Event Chat.

OBJECTIVES

Be ready to demonstrate how to operate the DAART client laptop with chat functions

TRAINING AND EVALUATION

Training Outline

1. The Student must be able to do the following on the DAART Client Laptop:
 - a. Sign into an event and use the Mission Chat window
 - b. Sign into an event and use the Event Chat window

Evaluation Preparation

Setup: A DAART Client Laptop with internet access is necessary for this task

Brief Student: Demonstrate how to setup and operate the Client DAART laptop with software, database and GPS functions.

Evaluation

Performance measure

Results

- | | | |
|--|---|---|
| 1. Demonstrate using the “Mission Chat” Function | P | F |
| 2. Demonstrate using the “Event Chat” Function | P | F |

DEMONSTRATE IMPORT OF KML FILES FROM EXTERNAL APPLICATIONS INTO DAART

CONDITIONS

You are a DAART operator or DAART User and have been tasked to operate the DAART application to import KML data from another application.

OBJECTIVES

Be ready to demonstrate how to operate the DAART application with external KML files.

TRAINING AND EVALUATION

Training Outline

1. The Student must be able to do the following on the DAART web page:
 - a. Sign into an event
 - b. Import (upload) a KML file from another source

Evaluation Preparation

Setup: Access to a PC and the internet is required for this task.

Brief Student: Demonstrate how to import KML file from another application into the DAART web application

Evaluation

Performance measure

Results

1. Demonstrate using the UPLOAD feature to import a KML file

P F

O-2234
DEMONSTRATE OPERATIONS OF THE DAART WEB APPLICATION
CONDITIONS

You are a DAART Operator or DAART User tasked with viewing the imagery provided by a DAART Operator

OBJECTIVES

Be ready to demonstrate how to setup, initialize, login and operate the DAART Web page

TRAINING AND EVALUATION

Training Outline

1. The DAART Users and Operators are able to remotely access the DAART website from any network access point that allows them to view imagery captured by the DAART Operator and loaded to the US Geological servers. To access this data you must validate that you have access to a web browser.
2. Be able to access the DAART Web Home page - <https://www.daart.us>
3. Login and View the Mission Data
4. Be able to change the different “Events”

Evaluation Preparation

Setup: A laptop or personal computer is necessary for this task

Brief Student: Demonstrate how to setup, initialize, calibrate and operate the Still Photography Camera

Evaluation

Performance measure

Results

- | | | |
|---|---|---|
| 1. Demonstrate the ability to access to the DAART Website | P | F |
| 2. Demonstrate operation of the DAART website | P | F |

PREPARE FOR A DAART SORTIE (air or ground) COMPLETE MISSION PLANNING WORKSHEET**CONDITIONS**

You are a DAART Operator planning the DAART Sortie and will need to prepare and complete the Planning worksheet

OBJECTIVES

Prepare the Planning worksheet for the DAART Sortie and after the Sortie, complete the worksheet.

TRAINING AND EVALUATION**Training Outline**

1. When planning missions, the planning mission form for the Ground Team is the CAPF109; the form for the Aircrew is the CAPF104 and both are available in WMIRS. The CAPF 104 has multiple parts:
 - a. Base CAPF104 Mission Flight Plan/Briefing Form – used for the primary planning, brief and debrief (as the CAPF109 is similarly used for Ground Sorties)
 - b. CAPF104A SAR Results worksheet – used only for Search and Rescue missions
 - c. CAPF104B Reconnaissance Summary – used to identify and keep track of the sequence of still photos. (There are many other sheets to record still photos; however, this is the only one that is part of the CAPF104 series.) This form can also be of value to the FMV by identifying the name of the file that is captured on the servers.
2. During time of the actual flight photo mission whether photographing still or FMV, the DAART Operator will request either the second Scanner, other Operator or Mission Observer to record the photography information on the CAPF104B (never the Pilot). The recorder will note the headings related to the nose of the aircraft, the degrees that the Field Technician is pointing the camera, picture numbers.
3. As in the Airborne Photography mission, when the photography is in process, the Field Technician is in command of the mission and will tell the Pilot the type of turns, when to turn and when the photo session is complete.

Additional Information

More detailed information on these forms is available in the CAP Regulation 60-3.

Evaluation Preparation

Setup: The following CAP Forms 104, 104A, 104B and 109

Brief Student: Demonstrate how to use the CAP Mission Planning Sheets

Evaluation

<u>Performance measure</u>	<u>Results</u>	
1. Demonstrate how the process still photos using CAPF104b	P	F
2. Demonstrate how to process identify FMV on the CAPF104b	P	F
3. Explain how the CAPF104 and CAPF109 are used for planning missions	P	F
4. Identify and explain who is in the commander when executing photo processing	P	F

DEMONSTRATE SETUP AND UTILIZE FMV AND STILL PHOTOGRAPHY ON AN AIRCRAFT SORTIE

CONDITIONS

You are a DAART Operator and must demonstrate the setup and how to utilize the FMV, stream the Video and chat with the Windows Client and how to setup and utilize the Still Photography and present the photographs taken on an aircraft Sortie.

OBJECTIVES

Demonstrate usage of the FMV including streaming the video and chatting with the Windows Client and usage of the Still Photography in an aircraft and preparing the photos for viewing to the client

TRAINING AND EVALUATION

Training Outline

1. As a DAART Operator, knowing how to setup and use the FMV and Still Photography and providing the client with excellent videos and photographs is essential to the completion of the Aircraft Sortie.
2. Hands on setup of the FMV camera and the Laptop will be demonstrated for the Aircraft Sortie
3. Hands on usage of the FMV camera, Laptop, chat sessions and validation with the Advantage Client will be demonstrated for the Aircraft Sortie
4. Hands on setup of the camera for usage of Still Photography will be demonstrated for the Aircraft Sortie
5. Hands on usage of the camera for Still Photograph, uploading and validating the photographs for the viewing client on the laptop will be demonstrated for the Aircraft Sortie

Evaluation Preparation

Setup: DAART FMV camera, laptop and still camera will be needed for this task

Brief Student: You are a DAART Field Technician and are being tasked to setup and utilize both the FMV and Still cameras on an Aircraft Mission

Evaluation

Performance measure

Results

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|--|---|---|
| 1. Demonstrate the setup and utilization of the FMV with the DAART laptop and DAART Web site. | P | F |
| 2. Demonstrate the setup and utilization of the Still Photography camera and process the photos for the viewing client | P | F |

DEMONSTRATE POST MISSION CLEANING OF THE COMPONENTS, AND PACKAGING FOR RETURN TO DAART SYSTEM STORAGE LOCATION

CONDITIONS

You are a DAART Operator who has finished using a DAART system for the day. You may also need to prepare the system for returning to storage.

OBJECTIVES

Demonstrate knowledge of how to clean, inventory, pack and ship the DAART system.

TRAINING AND EVALUATION

Training Outline

1. When the use of a DAART kit has concluded for the day, the following tasks need to be performed:
 - a. Ensure that all batteries are charged prior to placing them in the case so the kit is ready for immediate use.
 - b. Ensure lenses on cameras are clean, lens covers are on/closed as appropriate. Check screw-on filters to make sure they aren't coming loose. Inspect the equipment for any damage.
 - c. Match the items in the kit with the inventory card provided, including serial numbers where available.
 - d. Return all components to their designated location within the case. Reference the inventory card for specific locations.
 - e. Note any missing or damaged items. Be specific about which case they are missing from so they can be replaced if necessary.
2. Shipping labels for loaner kits are provided in one of the cases (assuming more than one was received). At the end of the mission, the shipping labels need to be applied to the outside of each case. Be sure that the new label completely covers any old labels and any extra labels are removed or completely covered using a marker.
3. Loaner kits need to be shipped to the storage location or next usage location as soon as possible when you are finished with them. Typically this is done using FedEx who can either be called to pick up cases or they can be delivered to a FedEx location.

Additional Information

Reference the inventory card that is contained in each DAART kit for components and serial numbers.

Evaluation Preparation

Brief Student: Explain how to properly clean, inventory, pack and ship DAART kits.

Evaluation

<u>Performance measure</u>	<u>Results</u>	
1. Explain the process of charging batteries in each device	P	F
2. Explain the process of inspecting and inventorying equipment prior to storage	P	F
3. Explain how components are to be placed in their designated locations in the case	P	F

4. Explain how to prepare cases for shipping and how to arrange to have them shipped P F

DISCUSS A DAART IMAGING SORTIE DEBRIEF

CONDITIONS

You are a DAART Operator who has completed the DAART Imaging Sortie and will need to have the results of the Sorties debriefed

OBJECTIVES

Review results with DAART Operator or User, upload still photos to the Server. Assist the Aircrew with the completion of the CAPF104/or CAPF109 documentation in WMIRS, debrief the DAART Imaging Sortie results during the Mission Debrief and complete the Sortie by delivery of the photos to requested customer identified in the initial briefing.

TRAINING AND EVALUATION

Training Outline

1. If Still photos were taken, verify that photos that are clear and then upload the photos into the DAART server for the sortie.
2. Meet with the DAART Operator or User to confirm FMV upload to the DAART server by using the Video portion of the Web application.
3. After you return from your Sortie back to your base, assist the aircrew in completion of the debriefing section of the CAPF104/CAPF109 set of worksheets prior to meeting with your debriefer. (Usually your briefer)
4. Along with your flight crew, all of your paperwork including crew notes, meet with the debriefer and go over all of your Sortie results and paperwork.
5. After the Sortie is debriefed, the debriefer will sign the debriefing section of the CAPF104 and you will give all of the paperwork to the MSA assigned to the Air Ops Branch Director. They will verify and scan the documents and upload them into WMIRS.

Additional Information

More detailed information on these forms is available in the CAP Regulation 70-1.

Evaluation Preparation

Setup: The Sortie has been completed and must be debriefed and closed.

Brief Student: Demonstrate how to complete a debrief and complete the Sortie

Evaluation

Performance measure

Results

1. Demonstrate how to process still photos using DAART.

P F

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|---|---|---|
| 2. Demonstrate how to process and verify FMV on the DAART system with the Advantage Analyst | P | F |
| 3. Demonstrate how to assist in the completion of the CAPF104/CAPF109 | P | F |
| 4. Explain how a debrief is processed | P | F |

DEMONSTRATE UPLOAD OF STILL PHOTOS INCLUDING ANNOTATIONS

CONDITIONS

You are a DAART Operator or DAART User and must demonstrate the uploading of still photos taken from a digital camera with GPS coordinates, photo annotations and markups on a Ground or Air Sortie

OBJECTIVES

Demonstrate uploading still camera photos server using the Windows Client and preparing the photos for viewing to the client

TRAINING AND EVALUATION

Training Outline

1. Hands on setup of the camera for usage of Still Photography will be demonstrated for the Ground Vehicle or Air Sortie
2. Hands on usage of the camera for Still Photograph, uploading and validating the photographs for the viewing client on the laptop will be demonstrated for the Ground Vehicle or Air Sortie
3. Hands on usage of how to annotate and markup Still Photographs

Evaluation Preparation

Setup: DAART laptop and still camera will be needed for this task

Brief Student: You are a DAART Operator or DAART User and are being tasked to setup and utilize Still digital cameras on a Ground or Air Mission.

Evaluation

Performance measure

Results

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|---|---|---|
| 1. Demonstrate the setup and utilization of the Still Photography camera and process the photos for the web viewing application | P | F |
| 2. Demonstrate using annotation and markup of the Still Photographs | P | F |