

ERA24LA205

AIRWORTHINESS

Group Chair's Factual Report - Attachment 5

Appareo Vision 1000 functional check procedures (AS350 AMM 25-10-40, 5-2)

Recording / Analysis - Functional Tests - Camera - APPAREO Imaging and Flight Data Monitoring Device

AMM 25-10-40,5-2

REFERENCE

Documentary Unit	AMM 25-10-40,5-2
References/Effectivity	Recording / Analysis - Functional Tests - Camera - APPAREO Imaging and Flight Data Monitoring Device
Language	EN(en)
Issue Date	2019.12.17

EFFECTIVITY

Model	AS350
Version	B2, B3
Serial Number	,

STATUS

Type of modification	U
Description	C
Reason for update	Discrepancy corrected
Maintenance work affected	No

Additional information from O.R.I.O.N. Work card referenced in Maintenance Program

12 M

MSM 05-21-02

B2

12 M

MSM 05-21-02

B3

A. Applicable Documents

A.1. Main information

[AMM 24-00-00,2-1](#)

Electrical Power Supply on the Ground

A.2. Conditional information

None

A.3. General information

None

B. Special Tools

Commercial	"Memory Access Utility for Vision 1000" software
Commercial	"Vision 1000 Playback Utility" software
Commercial	laptop computer with SD card reader

C. Materials

None

D. Routine Replacement Parts

None

E. Job Set-up

E.1. Install the following software on the computer:

- "Memory Access Utility for vision 1000",
- "Vision 1000 Playback Utility".

F. Procedure

☐ F.1. Recording and analysis

☐ a. Make sure that the SD card is in the camera.

☐ b. Energize the helicopter systems ([AMM 24-00-00,2-1](#)).

☐ c. Make sure that the LED comes on blue. Also make sure that it becomes green approximately 1 minute after energizing.

☐ d. While the camera is in operation:

- make movements in the field of vision of the camera,
- make a sound near the camera.

☐ e. Let the camera operate for a few minutes. Then de-energize the helicopter systems ([AMM 24-00-00,2-1](#)).

- ☐ f. Collect the SD card and put it in the computer.
- ☐ g. Start the “Memory Access Utility for Vision 1000” software .
- ☐ h. In the window “Merge a Directory of files”:
 - in “Drive”: Select the letter for the SD card reader,
 - in "Output Dir": Select the folder in which you want to export the video,
 - click on "Merge Files".
- ☐ i. When the exportation is completed, go to the destination folder. Then make sure that there is one or more XXX-XXXX-XXXXX.adsp. files.
- ☐ j. Start the “Vision 1000 Playback Utility” software and select "OPEN".
- ☐ k. Go to the folder where the files were created and open the last file.
- ☐ l. Make sure that:
 - the recording shows the helicopter cockpit,
 - the entire video corresponds to what was recorded (the image and the audio).

NOTE

The audio of the video recording is weak because the microphone is adjusted for very loud sounds (engine, MGB).

During the video acquisition, it is possible that the green light becomes yellow and then green again. This occurs when the GPS position is lost, if the tests are performed in a hangar.

- ☐ m. Stop the “Vision 1000 Playback Utility” software .
- ☐ n. Insert the SD card into the camera.

G. Close-up

G.1. None.

