

Closed Circuit TV (CCTV)

A CCTV system should be installed in all commercial transport aircraft for safety and security purposes. The areas scanned by such system should at least include:

Exterior

- ▶ Wings, tail, control surfaces, cargo doors, landing gear, engines.
- ▶ Wing tips and tail for clearance validation from obstructions while taxiing.

Interior

Outside flight deck door, all cabin zones, upper deck compartments, cargo holds as well as areas inaccessible in flight.

- The CCTV monitor should be installed in the flight deck. The system should have a resolution that allows assessment of:
 - ▶ Any ice/snow accumulation on wings and control surfaces,
 - ▶ Control surface movements,
 - ▶ Tyre condition and gear extension,
 - ▶ Any smoke and/or fire.
- The system should provide colour images.
- In order to prevent unlawful use, the system should allow for partial or full disablement from the flight deck.
- Under no circumstances should the video images be recorded or downlinked.

When video devices (CCTV) are used, the following requirements should be met:

- ▶ Flight deck access identification function.

There should be a dedicated camera for the sole purpose of identification covering the area immediately outside the flight deck door.

The system should provide the flight crew with visual confirmation:

 - ▶ That there is no sign of suspicious behaviour or potential threat in the area immediately behind the cockpit door, and;
 - ▶ That this area is clear of any passenger to minimize the risk of intrusion in cockpit during the door operation.
- ▶ The monitoring screen should be located in such a manner that there is no need for substantial head movement from the normal pilot position. It should be operable from each pilot station.
- ▶ Where a CCTV is installed, it should be for the sole use of the flight crew for safety and security purposes.
- ▶ Standard Operating Procedures should be specified by the aircraft operator for use of the CCTV system and in the event of a system malfunction.
- ▶ The system should have a failure detection and annunciation capability. Any attempt to tamper with the system should generate a warning.
- ▶ Any failure of the system should be repaired at the earliest opportunity in accordance with MEL requirements. The rectification interval will be not less than Category B.

UNDER NO CIRCUMSTANCES SHOULD THE VIDEO IMAGES BE RECORDED OR DOWNLINKED.