

- 5.2 Audio should be synchronised with the video recording.
- 4.5 'Live view' display option should be available, to assist the officer to set the camera position and provide confirmation that the system is connected correctly.
- 5.1 Audio should be stored in non-proprietary format, replayable on domestic DVD players and computers.
- 5.2 Audio should be synchronised with the video recording.
- 6.1 Camera will be attached to the officer's head or to the side of protective headwear, (to capture the same view as seen by the officer) and fixed in place by means of a headband.
- 6.2. Recorder must have the means to be attachable to a police officers
- 6.3 Microphone will be positioned along the cable connecting the camera to the recorder, in order to capture both the officer's speech and that of the other parties to the conversation.
- 6.4 Cable connections from the camera and microphone to the recording device will have a "break point" as a safety feature to reduce the risk of injury to the officer. This should be located after the microphone but before the camera in the recording chain
- 6.5 Headset should be secure and fully adjustable for the comfort and safety of the user.
- 6.6 Headset must be compatible with the wearing of all standard issue police headgear for male and female officers and PCSOs
- 6.7 Mounting for the camera will not move after being set by the officer.
- 6.8 Capture, record and storage device(s) should be sufficiently robust to withstand daily use in an operational police environment, e.g. the recorder should have physical protection against knocks, should be shock and vibration proof, and able to record whilst the officer is running.
- 6.9 Interface controls must be of sufficient size and easily used by an officer who may be wearing gloves.
- 6.10 Maximum total weight of <500g
- 7.1 Ingress protection of camera (ie protection from dust and water) to IP 6519 standard.
- 7.2 Temperature range of operation should be -5°C to +30°C
- 7.3 The system should not interfere with other electronic equipment carried by the officer, particularly the Tetra radio system. Therefore compliance with Automotive Conformance Specification 5 of PITO guidance is essential.
- 8.1 Rechargeable batteries are essential.
- 8.2 Battery from a full charge should provide power for at least 4 hours continual recording.
- 8.3 Batteries should be removed from the recording unit to be recharged, so that the recorder does not have to be withdrawn from service whilst recharging occurs.



1. Start recording by a single button press
- 1.2. Positive Action on/off button, so user can feel (with gloves on) whether he/she has successfully switched the recorded on or off
- 1.3 Stopping recording requires a minimum of two actions (e.g. pressing 2 buttons), to reduce the possibility of accidental shutdown.
- 1.4 Clearly visible indicator(s) should denote when the device is on and actively recording.
- 1.5 Field of view to be covered by the lens should approximate the human visual system, i.e. about an angle of view of 40° horizontal
- 1.6 Camera(s) must have a focal length such that an object 1.8m (5'9") tall will fill 50% of the viewing height at a distance of 7m.
- 1.7 Recording must be in a non-proprietary, standard file format to enable replay on domestic DVD players and computers (PCs and Macs) without conversion.
- 2.2 Recording should be at a minimum of VGA (640 x 480) resolution
- 2.3 Quality of the recording should be such that an individual should be recognisable up to a distance of 7m from the camera.

will be deleted only after it has been archived to a computer, at which point the HDD or other storage medium will be wiped clean. However, the procedure to wipe the drive will be controlled from the archive computer to which the storage medium is connected, and not from the recording unit itself.)
- 1.9 Each recorder should have a unique serial number.
- 2.1 Recording should be at 25 frames per second
- 3.1 Capacity of the recording device must be able to store a minimum of 24 hours of video.
- 3.2 Filling of the recording device should cause the device to cease recording. Existing data must not be overwritten.
- 3.3 Data should be filed in a Windows-readable directory structure.
- 3.4 Incidents should be stored in a separate directory. (An incident is defined as the period between the start and stop buttons being pressed.)
- 3.5 Long recordings should be split into segments, each of which is a maximum of 2GB in size. These files should be stored in the same directory, and must be replayable as one continuous piece of footage.
- 3.6 File naming convention should comprise the serial number of system, the record date and time.
- 3.7 Metadata (comprising unit serial number, date and time) must be displayed on screen in a legible but non-obtrusive manner.
- 3.8 Data must be stored on a removable medium e.g. removable HDD, Flash memory etc. and/or it should be possible to download the data from the recorder via a cabled download mechanism of suitable speed such as USB 2.0 or a Firewire (400 or 800). Download rate must be no lower than 350Mb/s.
- 4.1 Recording device should provide a replay facility.
- 4.2 Display screen on the recording device will be no less than 60mm (2.5inch) in width.
- 4.3 The device should provide the ability to search the incidents recorded by date and time to find the incident of interest. Once this recording has been loaded into the replay window, it should be possible to wind through it to identify the specific event of interest by means of fast-forward, rewind, play, pause and stop controls or with a scroll-bar mechanism.
- 4.4 Where a long recording has been split into separate files, the playback mechanism should retrieve the complete recording and allow seamless replay of the entire incident.
- 4.5 'Live view' display option should be available, to assist the officer to set the camera position and provide confirmation that the system is connected correctly.
- 5.1 Audio should be stored in non-proprietary format, replayable on domestic DVD players and computers.

