



Compliancetrac

An application using e- pen technology to complete check lists for compliance.

Outline

Compliancetrac provides an electronic copy of a handwritten document. It was developed for users needing proof of compliance with regulatory bodies where typically the evidence is originated by marking a checklist.

The record, which may be in the same form as currently in use by the client, is an exact copy of what is written on the form, including any signatures and all comments.

The Process

The document is captured onto the computer as an image file (jpg). If required the document may be transferred ashore. The compliancetrac license allows a user to file and store multiple documents within the Datatrac Document Management System, or to export it to clients' systems.



Features and Benefits

- Provides an electronic copy of the document that is self filing and available for audit
- Exports from the ship in very small files.
- Saves time on board
- Eliminates the cost
- Implementation requires no training.
- Handwriting only is required.
- No risk of disruption to procedures.

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Uses Include:

**Engineering Checklists,
Safety Rounds,
Security Rounds,
Bridge Checklists,
Cargo handling checklists,
Port Arrival and Departure checklists,
Work permit authorisation**

The Technology

Digital Pen and Smart Paper

Pen and Paper relationship

The digital pen used by Datatrac in their Pen solutions has a video camera under the nib and contains a battery, a mother board and a timer. The pen is used as an ordinary hand writing tool to write information onto "smart paper" which has been pre-printed with a unique pattern of dots and the camera in the pen locates the exact location of a pen stroke on the paper by a navigational fix in relation to the dots.

Storage Capacity of the Pen

Any information written on the pre-printed paper is stored on the pen, which is capable of storing up to 40 different documents. Once the data has been collected the pen is placed into its docking station that is attached to a computer and all the information is downloaded. The pen can remain in use for 6 hours.



Digital Pen & Cradle

Flexibility of the Paper

The paper is to be used as a 'data collecting tool' to be discarded. Where images only are required then there is no need to change any current documents. For digital data a form will be designed; there is no limit to what can be achieved.

Data storage

Data is captured in three different ways, as an image (JPG) format, as Boolean entries which enable multiple choice questions to be answered and sorted or as character recognition which allows for data to be manipulated.

Operational Use:

First Level

The first level of the Datatrac "digital pen" solution captures only an image as a JPG. This image may be stored at the point of data capture such as on board a vessel or if required it may also be sent ashore; pen strokes only are transmitted in very small files: only 2Kbytes instead of 50Kbytes for an equivalent JPG document.



Digital Pen

Second Level

The second level of the Datatrac solution uses Boolean programming to sort a series of check boxes and analyse responses. These responses may be filed and sorted in the Datatrac management database. The reporting forms and summary analysis may be transmitted to head office in much the same way as the image capture.

Third Level

The third level of pen technology adds character recognition to the application. Data is captured into the Datatrac management database and may then be exported into excel spreadsheets for analysis. The speed with which accurate data is captured into the computer, without the need for extra data entry, facilitates the flow of information from an operational unit to head office or a central server which in ordinary circumstances would have to wait until the operating personnel were free to key the data collected into the computer.

If you think you have an activity which could benefit from our data capture technologies we would like to discuss it with you.

Contact: jtobin@datatrac.co.uk

**Get to know more about Datatrac Solutions by ordering a Starter Pack now.
e-mail: [:sales@datatrac.co.uk](mailto:sales@datatrac.co.uk) or phone 020 7377 5773**