Clock Synchronization Interface and synchronize all servers and CAD workstations work in Co-Hurst with the Master Time Clock (Net clock). This ensures that each workstation and server provide an accurate time stamp.

Time Protocol (NTP): -
A Network Time Protocol (NTP) server is a reference time server used in a network for the management of precise time to various system devices. The server recognizes all Ethernet devices that request a time source and ensures that the time is distributed properly from machine to machine. In this way every piece of equipment over the network infrastructure with a time display and Ethernet connection will remain uniform and match each other. These servers are internal to a facility and require no breach of a firewall to receive time. When used alone without a master clock, an NTP server solely conveys time to Ethernet devices.

A Master Clock: -

A master clock, on the other hand, does more than convey time to Ethernet devices. It also has the ability to distribute time to multiple different clock systems or retrofit with existing clocks systems through its programmable relays. In addition, a master clock is capable of scheduling various incorporated systems to shut on and off at desired times automatically. All settings of the master clock can easily be configured through an easy-to-use web interface via an internet capable device. Additional functions not present in an NTP server include Daylight Saving Time changes, 12 or 24-hour formats, and the possibility of adding a countdown feature.
When you put them together?
Aside from their differences, a master clock and NTP server actually have the ability to work with each other to provide an even better timing solution for a given facility. When the two are paired together, the master clock will receive accurate time from the NTP server to distribute to all clocks in its system, while the NTP server will sync all networked devices to the same time it provides for the master clock. Combining both the capabilities of a master clock and an NTP server ensures that every clock, computer, printer, and any other device with an Ethernet connection will display the exact same time, all while having the added features of a master clock.

Real-Time Mapping: -

All aspects of a CAD system must be optimized for rapid response time and system reliability. Since time is of the essence, the CAD system must accurately provide a data and time stamp for every activity. CAD systems collect the initial information for an incident and then provide the information to one or more RMS systems.

Logging: -

CAD will log all actions including security violations and attempted breeches, errors, changes, and updates. Logs should be viewable and searchable by the system administrator.

No CAD voice recordings of the original 999 / 101 calls being made: -

Communications Data Standard Operating Procedure: -

In this document the definition of (CD) will mean Communications Data: -
This Standard Operating Procedure (SOP) establishes procedures that ensures the Police Service of (hereinafter 'Police') manages its acquisition and use of communications data (CD) in accordance with legislation, and the Home Office 'Acquisition and Disclosure of Communications Data' Codes of Practice.

The procedures described in this SOP are founded on the provisions of the Regulation of Investigatory Powers Act 2000, (RIPA) Part 1, Chapter 2 (the Act) which provides a legal basis for the lawful access to CD by public authorities including police forces.
The main purpose of the Act is to ensure that the relevant investigatory powers are used in accordance with ECHR.

The Act requires that human rights principles are followed. Officers must ask themselves the following questions before utilising any of the powers under this Act: