<table>
<thead>
<tr>
<th>Date &amp; Time</th>
<th>Log Mode</th>
<th>Event Name</th>
<th>Panel Number</th>
<th>Loop/Card Slot Number</th>
<th>Outstation Address</th>
<th>Zone Number</th>
<th>Outstation/Zone Supervisory/Panel Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012-05-01 15:24:40</td>
<td>WEEKLY</td>
<td>Fire reset</td>
<td>64</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>LOS NIMBUS GENT VIGLOON DEMO</td>
</tr>
<tr>
<td>2012-05-01 16:23:38</td>
<td>WEEKLY</td>
<td>Alarms silenced</td>
<td>64</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>LOS NIMBUS GENT VIGLOON DEMO</td>
</tr>
<tr>
<td>2012-05-01 16:23:34</td>
<td>WEEKLY</td>
<td>Fire</td>
<td>64</td>
<td>1</td>
<td>5</td>
<td>1</td>
<td>MCP DECO ROOM CALL POINT LOOP 1</td>
</tr>
<tr>
<td>2012-05-01 16:23:34</td>
<td>LIVE</td>
<td>All faults cleared</td>
<td>64</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>LOS NIMBUS GENT VIGLOON DEMO</td>
</tr>
<tr>
<td>2012-05-01 16:23:58</td>
<td>SERVICE</td>
<td>Fire reset</td>
<td>64</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>LOS NIMBUS GENT VIGLOON DEMO</td>
</tr>
<tr>
<td>2012-05-01 16:23:52</td>
<td>SERVICE</td>
<td>Alarms silenced</td>
<td>64</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>LOS NIMBUS GENT VIGLOON DEMO</td>
</tr>
<tr>
<td>2012-05-01 16:23:24</td>
<td>SERVICE</td>
<td>Fire reset</td>
<td>64</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>LOS NIMBUS GENT VIGLOON DEMO</td>
</tr>
<tr>
<td>2012-05-01 16:21:21</td>
<td>SERVICE</td>
<td>Alarms silenced</td>
<td>64</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>LOS NIMBUS GENT VIGLOON DEMO</td>
</tr>
<tr>
<td>2012-05-01 16:21:03</td>
<td>SERVICE</td>
<td>Fault - Outstation/Loop</td>
<td>64</td>
<td>1</td>
<td>7</td>
<td>1</td>
<td>LOOP 1 ADD 7</td>
</tr>
<tr>
<td>2012-05-01 16:21:03</td>
<td>SERVICE</td>
<td>Fault - Outstation/Loop</td>
<td>64</td>
<td>1</td>
<td>6</td>
<td>1</td>
<td>LOOP 1 ADD 6</td>
</tr>
<tr>
<td>2012-05-01 16:21:03</td>
<td>SERVICE</td>
<td>Fault - Outstation/Loop</td>
<td>64</td>
<td>1</td>
<td>5</td>
<td>1</td>
<td>LOOP 1 ADD 5</td>
</tr>
<tr>
<td>2012-05-01 16:21:03</td>
<td>SERVICE</td>
<td>Fault - Outstation/Loop</td>
<td>64</td>
<td>1</td>
<td>4</td>
<td>1</td>
<td>LOOP 1 ADD 4</td>
</tr>
<tr>
<td>2012-05-01 16:21:03</td>
<td>SERVICE</td>
<td>Fault - Outstation/Loop</td>
<td>64</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td>LOOP 1 ADD 3</td>
</tr>
<tr>
<td>2012-05-01 16:21:03</td>
<td>SERVICE</td>
<td>Fault - Outstation/Loop</td>
<td>64</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>LOOP 1 ADD 2</td>
</tr>
<tr>
<td>2012-05-01 16:21:03</td>
<td>SERVICE</td>
<td>Fault - Outstation/Loop</td>
<td>64</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>LOOP 1 ADD 1</td>
</tr>
</tbody>
</table>

**Nimbus**

Cloud based fire alarm management
Introduction

Nimbus is a Cloud based database, receiving data from Fire Alarm systems via a GPRS Gateway. Data is stored in a secure database and accessed via a standard web browser. Event notifications are sent via Email and or SMS Messaging.

The primary application of Nimbus is to log, manage and administrate the commissioning, servicing, maintenance, testing, performance and day to day use of the connected fire alarm system/s.

Nimbus is the ideal management tool for service, building & estate managers who need to maintain a life time electronic log of their fire alarm systems.

The flexible web browser Nimbus interface provides you with complete visibility of all your fire alarm activity through a common presentation format. Data can be integrated with your existing desktop applications with standard Copy, CSV, Excel, PDF & Print tools.
Any number of systems:
Managing any number of disparate Fire Alarm systems can be time consuming and prone to errors, especially if the systems are spread over a large area and serviced & maintained by different companies. Nimbus centralises all your Fire Alarm systems activity through a single cross platform management tool detailing electronic history of the Fire Alarm throughout its use and life.

Compatibility:
Nimbus is compatible with most analogue addressable Fire Alarm control panels either through intelligent 3rd party communications protocol (BIT) or through the printer port (ASCII). The amount, type and complexity of data differ across the various types of Fire Alarm control systems and the connection method. The GPRS Gateway and Nimbus supports both stand-alone and networked Fire Alarms.

Non Invasive:
The GPRS Gateway connection is a non invasive add-on to the Fire Alarm control panel communications or printer port. The Fire Alarm system functionality is not affected.

Simple to Install:
Requiring no physical connection to telephone lines or clients IP network the GPRS Gateway provides the ideal communications path between the Fire Alarm system and Nimbus.
Secure:

Data is stored and served from LAN Control Systems hosted secure server. Robust technology with instant automatic failover and redundant SAN storage provide a 99.99% availability. Frequent backups of data are made automatically to two differently located servers.

Proof of Testing:

Producing reports based on Fire Alarm testing has always been challenging. Service & maintenance companies have different methods of testing and producing evidence of what has been tested; engineer hand written doockets, print-outs from control panels, site drawings with ticks or highlights against each device, coloured stickers attached to each device and scanned bar-code stickers. These methods are prone to inaccuracy and don’t necessarily provide conclusive evidence that particular testing has been carried out. Nimbus records the actual Fire Alarm control panel activity, recording specific details of device status and identity information.

Infinite Log:

Many Fire Alarm control panels have a limited internal memory to log activity. It is not unusual for a Fire Alarm system to have more detection devices and manual call points than the internal memory can record collectively. Fire Alarm control panel printers are temperamental, prone to jamming and running out of paper. Print-outs are not easy to read, provide limited information and difficult to store, archive and recall. Nimbus logging is infinite, enabling reports to be generated at any time based on flexible search criteria.

Accessible:

Nimbus is accessible from any Internet connected web browser enabled device.
Reports:
Generate reports based on Weekly Testing, Servicing and Live activity. Users may also generate specific reports based on their own search criteria; Date/Time, Mode, Event, Panel, Loop, Device and any protocol parameter. The common web page interface simplifies the generation of reports and allows data export to; Copy, CSV, Excel, PDF or Print tools.

Notifications:
Event notifications can be sent by Email and/or SMS Messaging to any number of recipients based on the Fire Alarm event types; Fire, Pre Fire, Fault, Isolation, Disablement etc. Each event notification details the event action, the associated control panel descriptive labels and protocol data. Notifications are triggered and processed immediately. SMS Messaging is sent via the Nimbus cellular network portal bypassing the normal consumer SMS sending path ensuring immediate delivery to the recipient’s cellular network. Nimbus can simultaneously send very large quantities of SMS Messages to multiple recipients. Managers can predefine the content of SMS Messages to suit the application.

Subscribers:
A Nimbus subscriber (Manager) manages their own account by administrating additional Managers and/or Users. Users are given varying permissions to define which Fire Alarm systems can be viewed, which reports can be generated and which notifications to receive.

Corporate Logo:
Each subscriber can personalise Nimbus with their own Corporate logo. Users created by the Manager will be presented with the Corporate logo in the Nimbus web page banner.
Service Managers:
Utilising Nimbus as your Fire Alarm service management tool you can:

- Proactive & Predictive service & maintenance
  - Check the system log before you attend site
  - Check activity/contamination/compensation levels
  - See the percentage of testing carried out in the annual service period
- Offer clients higher service level agreements
  - Client transparency - provide User access and notifications to Nimbus
  - Generate detailed reports
  - Automate engineer response to system notifications
- Check the reported problem remotely first
  - Evaluate first and plan accordingly
- Paperless system accessible from most locations
  - Generate reports at any time from any location
  - Minimise administration costs
- Single engineer testing/commissioning - virtually real-time descriptive test data providing confirmation to engineer whilst testing via SMS/Email/Web
- Attach and Upload documents to the service record
  - Installation, Commissioning, Certification, Service and Maintenance documentation
- Attach and Upload control panel configuration files
  - No more misplaced disks or USB memory sticks
- Add comments to each device in the testing log
- Measure engineer performance
- Measure detection/system performance
- Schedule service visits and receive pending email notification
Facilities & Estate Manager:
A new and creative way to manage and monitor your fire alarm systems
Nimbus offers higher level of management than has previously been possible.

- Have confidence that the Fire Alarm is maintained correctly
- Monitor and measure contractor performance to get best value
- Compliance with BS5839/EN54 service requirements
- Compliance with Regulatory Reform (Fire Safety) Order 2005 maintenance requirements
- Independent proof of testing
- Integrate different systems into one platform
- Electronic total life history
- Create an Asset log
- Monitor the product life cycle
- Integrate data to CAFM and Internal systems
- Extend the life and functionality of existing systems

As a cloud based system Nimbus offers many advantages over conventional management systems

- Reduce cost
  - Paying incrementally reduces capital expenditure
- Reduced I.T. overhead
  - No specific internal hardware required
  - No specific software required
  - Scalable
  - Future proof
- Increase administration performance
- Automated
- Reduced carbon footprint
  - Less travelling
  - Less hardware/software/paper/consumables
- Flexible
  - Accessible from anywhere
  - Share data with colleagues
- Infinite Storage
  - Unlimited Log