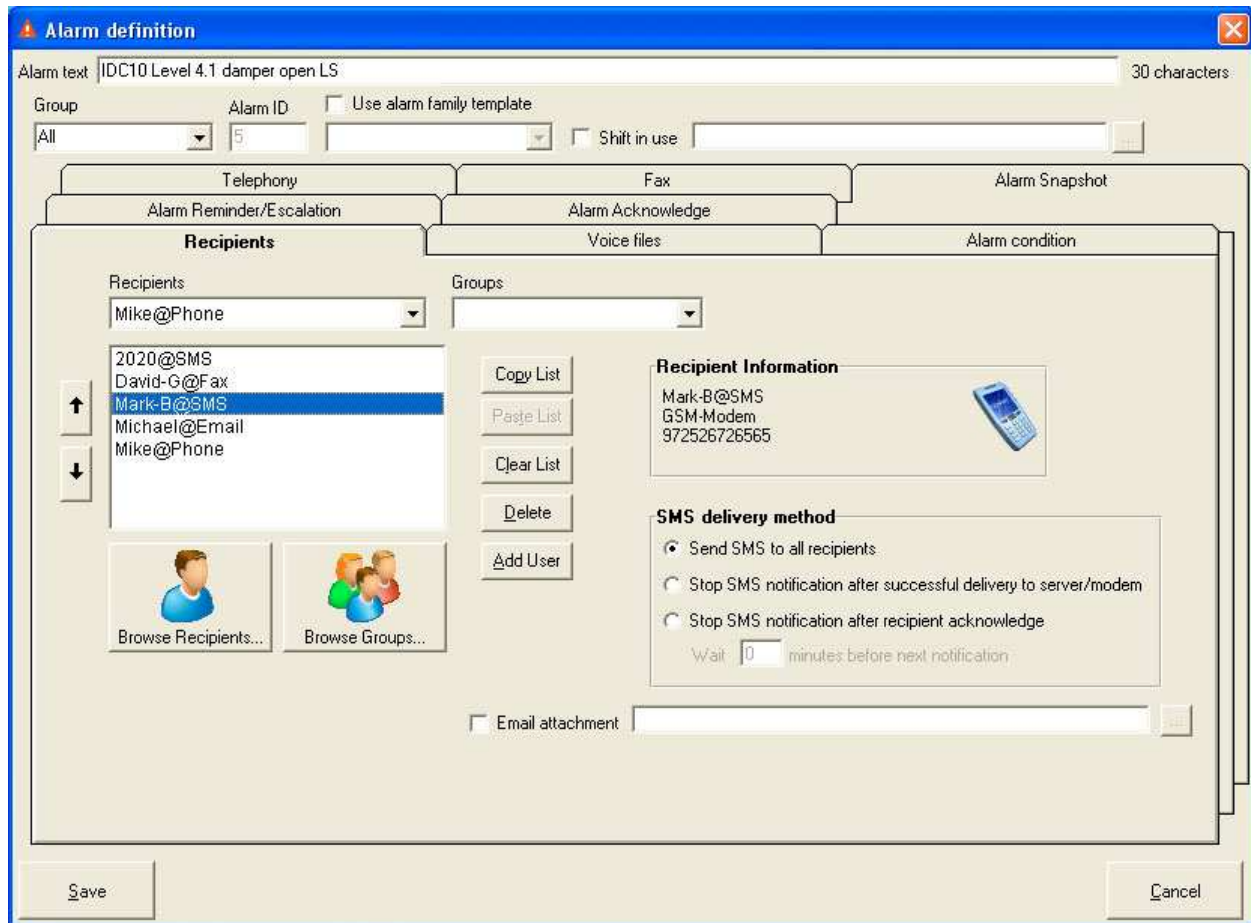


U.C.ME-OPC Features



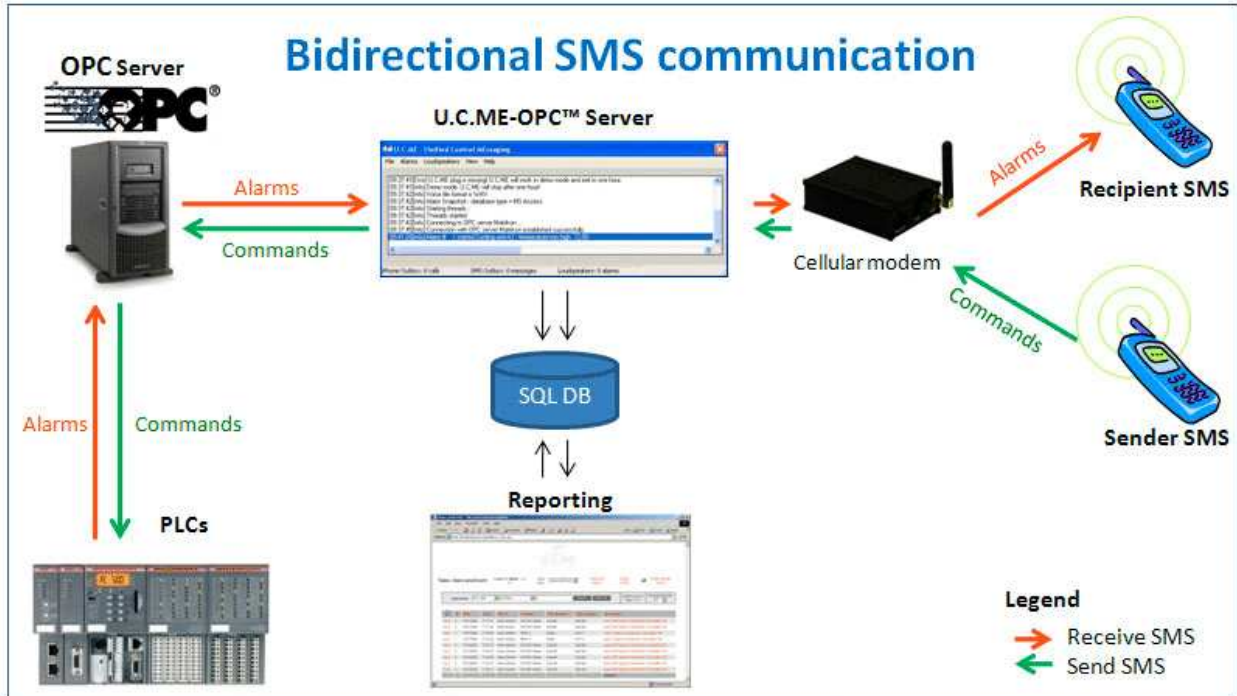
Flexible alarm notification

U.C.ME-OPC™ can concurrently dial up to four telephone numbers, play voice messages, send emails, SMS and messages to pagers, and play alarms to local multimedia loudspeakers.



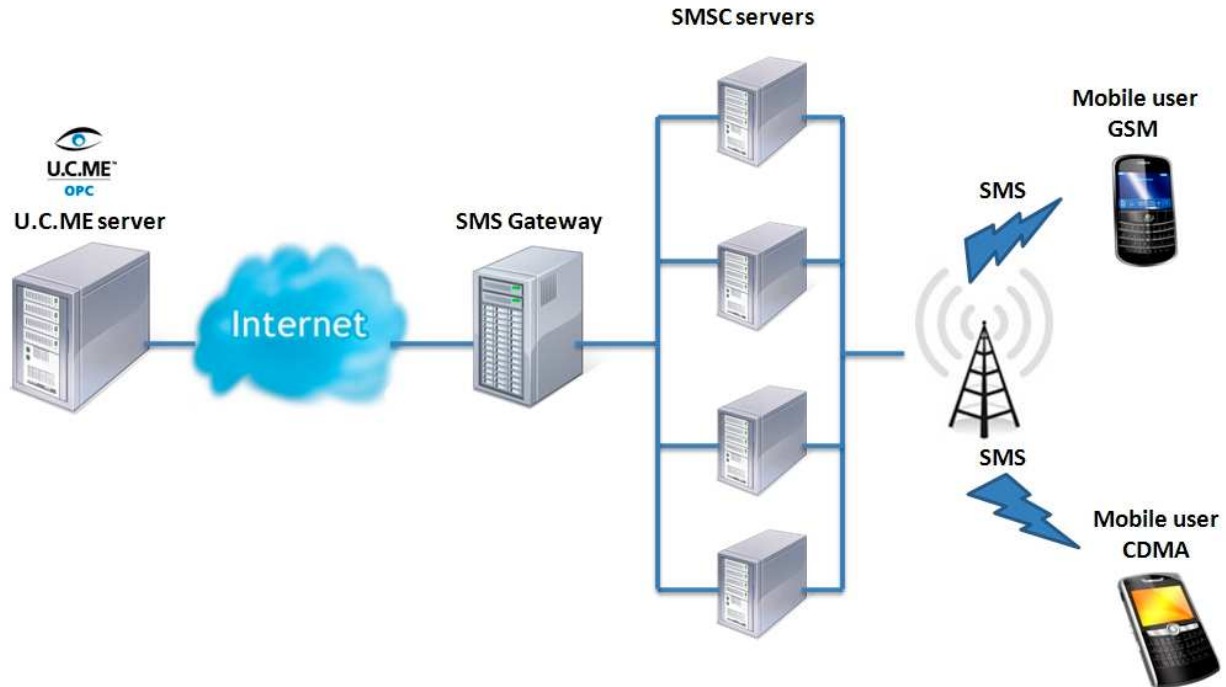
Bidirectional SMS and Phone communication

U.C.ME-OPC™ allows two-way SMS and phone communication between users (such as technicians, field engineers or managers) and the control system. Users receive alarm notifications yet can also change set-points, acknowledge alarms, listen to real-time values, execute programs, and a range of other actions – directly from their cell phone or landline.



Sending SMS messages over the Internet using SMS gateways

U.C.ME-OPC™ allows sending SMS over the Internet using SMS gateways. All you need is to contact an SMS Gateway service provider that will provide you the access to its SMS gateway service.



Escalation procedure - eliminating nuisance alarms at their source

The effectiveness of alarm systems is often undermined by poorly configured alarms, static alarm settings that can't adapt to dynamic plant conditions - and a host of other reasons. **U.C.ME-OPC™**'s sophisticated escalation procedure is a customizable alarm delivery feature that sends alarms to alternative recipients. When a recipient acknowledges the alarm, further unnecessary repeat alarm notifications are prevented – reducing nuisance alarms and reducing costs.

Dedicated high severity alarm queues for SMS, Paging and Telephony

U.C.ME-OPC distinguishes between low severity alarms and high severity alarms. Alarms that are defined as **High Severity** will be handled with higher priority than the other alarms. For example, if you have 50 alarms in the alarms queue waiting to be sent to the recipients, the high severity alarm will bypass all other alarms and will be sent immediately. This feature ensures that high severity alarms will be sent to recipients in the shortest time, prevent damage, improve uptime and service.

Detailed, real-time alarm analysis

By providing additional plant floor parameters set to your cell phone, **U.C.ME-OPC™** provides you with more, detailed information so you can have the complete picture at the moment of an alarm for a more accurate response. Alarms and alarm-snapshot information are stored in an MS-Access™ or MS-SQL™ database. The data may be viewed from any computer on the network using a standard browser, such as Internet Explorer, for offline analysis and reporting at a later time.

Connects with every SCADA

U.C.ME-OPC™ connects with any SCADA, including RSView™, Cimplicity™, iFix™, InTouch™, Citect™, Lookout™, ClearSCADA™, Infilink™, Wizcon™ and more.

Communication with remote devices

U.C.ME-OPC™ can be programmed to receive text messages (SMS) from remote devices. Taking this information, **U.C.ME-OPC™** can create and send more detailed alarm messages for greater efficiency and to enable faster responses.

Alarm Reminder/Escalation

U.C.ME-OPC™ can be programmed to send alarm reminders as long as the alarm is still active. The word "Reminder" will be added to the alarm text or voice. The time interval between each reminder (5 seconds to 49 days) can be set by the system administrator.

Alarm definition

Alarm text: IDC10 Level 4.1 damper open LS (30 characters)

Group: All | Alarm ID: 5 | Use alarm family template: | Shift in use:

Recipients: [Add] | Voice files: [Add] | Alarm condition: [Add]

Telephony: [Add] | Fax: [Add] | Alarm Snapshot: [Add]

Alarm Reminder/Escalation

Recipient 1	Recipient 2	Recipient 3	Recipient 4	Recipient 5	Recipient 6	Recipient 7	Recipient 8
John-D@Email							
Mark-B@SMS							
Mary@SMS	Mark-B@SMS						
Michael@SMS	Mike@Phone	Paul-T@SMS					

Active Alarm Reminder/Escalation

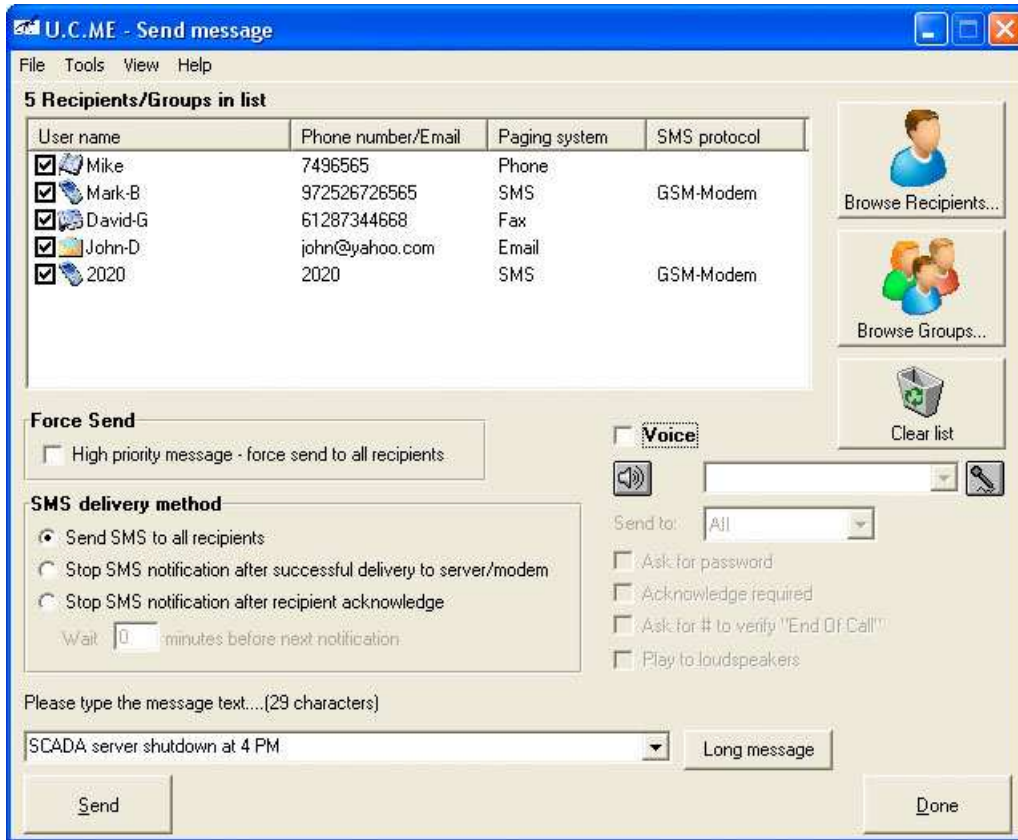
Send reminder/escalation every: 5 seconds minutes hours days

Reminder Count: Unlimited Limited to: 5

[Save] [Cancel]

Native Text Messaging(SMS) via cellular modem - eliminating Internet security threats

Unlike other software packages that require continuous Internet connection to send email-to-cellular messages, **U.C.ME-OPC™** uses native text messaging via cellular modems, which means your control system is completely protected from Internet security threats.



Alarm Import from your SCADA

U.C.ME-OPC™ allows for alarm import from your SCADA with one click of a button. This makes your job easier, reducing the chance of errors in alarm definition.

Shifts and special days

U.C.ME-OPC™ can notify recipients according to predefined prioritized shift schedules. Users may also specify special days, such as holidays, in which the shift priorities are different from the regular week.

Shifts definition

View

Shift model: HVAC Index: 1 From: 2008-04-01 To: 2008-04-30

Description: HVAC April

Recipients: Mark@SMS Groups:

Undefined recipients/groups

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<input checked="" type="checkbox"/> Shift 1 From: 11:11 To: 22:22 Michael@SMS	<input checked="" type="checkbox"/> Shift 1 From: 11:11 To: 22:22 Jim@SMS Bob@SMS	<input checked="" type="checkbox"/> Shift 1 From: 11:11 To: 22:22 Joe@SMS	<input checked="" type="checkbox"/> Shift 1 From: 11:11 To: 22:22 Mark@SMS	<input checked="" type="checkbox"/> Shift 1 From: 11:11 To: 22:22 Bob@SMS Mark@SMS	<input checked="" type="checkbox"/> Shift 1 From: 11:11 To: 22:22 Dan@SMS	<input checked="" type="checkbox"/> Shift 1 From: 11:11 To: 22:22 Jim@SMS Mark@SMS
<input checked="" type="checkbox"/> Shift 2 From: 01:02 To: 03:04 Joe@SMS	<input checked="" type="checkbox"/> Shift 2 From: 01:02 To: 03:04 Mark@SMS Jose@SMS	<input checked="" type="checkbox"/> Shift 2 From: 01:02 To: 03:04 Bob@SMS	<input checked="" type="checkbox"/> Shift 2 From: 01:02 To: 03:04 Dan@SMS	<input checked="" type="checkbox"/> Shift 2 From: 01:02 To: 03:04 Jim@SMS Joe@SMS	<input checked="" type="checkbox"/> Shift 2 From: 01:02 To: 03:04 Joe@SMS Bob@SMS	<input checked="" type="checkbox"/> Shift 2 From: 01:02 To: 03:04 Mark@SMS
<input checked="" type="checkbox"/> Shift 3 From: 10:10 To: 20:20 Bob@SMS	<input checked="" type="checkbox"/> Shift 3 From: 10:10 To: 20:20 Dan@SMS	<input checked="" type="checkbox"/> Shift 3 From: 10:10 To: 20:20 Jim@SMS	<input checked="" type="checkbox"/> Shift 3 From: 10:10 To: 20:20 Joe@SMS	<input checked="" type="checkbox"/> Shift 3 From: 10:10 To: 20:20 Mark@SMS	<input checked="" type="checkbox"/> Shift 3 From: 10:10 To: 20:20 Bob@SMS	<input checked="" type="checkbox"/> Shift 3 From: 10:10 To: 20:20 Dan@SMS Jim@SMS

Save Cancel

SMS - Local language translations

U.C.ME-OPC™ enables you to translate various texts to your local language. For example, the text "Alarm started" or "Alarm ended", attached to the SMS message, may be translated to any language.

Server watchdog mechanism

U.C.ME-OPC™ runs a watchdog mechanism with the OPC or DDE server software. When the server (SCADA) is not operating, **U.C.ME-OPC™** will notify the appropriate users.



Recipients management

With **U.C.ME-OPC™**, administrators can define recipients. Each recipient has its own authorization and time intervals that the system can use to send alarm notifications.

Properties

Name: Paul-T Phone Number/Email: 21267595483 Password: null Paging system: SMS Protocol: GSM-Modem

WAP-2 compatible cellular phone

Time and Day

	Interval 1		Interval 2		Interval 3		Priority
	From	To	From	To	From	To	
	00:00	00:00	00:00	00:00	00:00	00:00	0

Day	From	To	From	To	From	To
<input checked="" type="checkbox"/> Monday	00:00	23:59	00:00	00:00	00:00	00:00
<input checked="" type="checkbox"/> Tuesday	00:00	23:59	00:00	00:00	00:00	00:00
<input checked="" type="checkbox"/> Wednesday	00:00	23:59	00:00	00:00	00:00	00:00
<input checked="" type="checkbox"/> Thursday	00:00	23:59	00:00	00:00	00:00	00:00
<input checked="" type="checkbox"/> Friday	00:00	23:59	00:00	00:00	00:00	00:00
<input checked="" type="checkbox"/> Saturday	00:00	23:59	00:00	00:00	00:00	00:00
<input checked="" type="checkbox"/> Sunday	00:00	23:59	00:00	00:00	00:00	00:00
<input checked="" type="checkbox"/> Special day 1	00:00	23:59	00:00	00:00	00:00	00:00
<input checked="" type="checkbox"/> Special day 2	00:00	23:59	00:00	00:00	00:00	00:00

Authorization - Incoming phone calls and SMS commands

Enable Dial-in Suspend/Resume User Notification Run Program (*.exe)

Change Tag Values Acknowledge Alarm Restart Computer

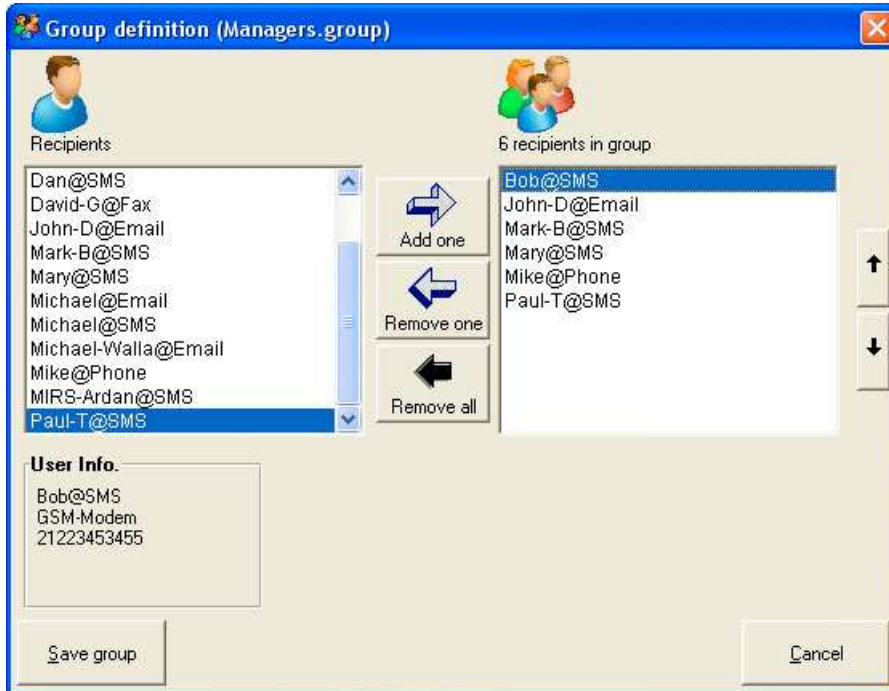
Retrieve Tag Values Retrieve Alarms log Suspend/Resume Alarm Notification

Delete all alarms from queue Force Alarm

Buttons: Set All, Reset All, Change, Copy day, Paste day, OK, Cancel

Groups management

With **U.C.ME-OPC™**, administrators can define recipient groups for easier alarm maintenance.



Acknowledge alarms using your cellphone

Using **U.C.ME-OPC™**, you may acknowledge alarms using your cell phone. Upon acknowledgment, a dedicated tag in your OPC server or SCADA application will change its value according to your settings. Possible tag value types are: Numeric and String. String tags may contain the recipient name who has acknowledged the alarm.

Alarm definition

Alarm text: IDC10 Level 4.1 damper open LS (30 characters)

Group: All | Alarm ID: 5 | Use alarm family template: | Shift in use:

Recipients | Voice files | Alarm condition
 Telephony | Fax | Alarm Snapshot
 Alarm Reminder/Escalation | **Alarm Acknowledge**

Acknowledge:
 Server: Simulation | Tag: Bucket Brigade.String
 Acknowledge Value: Recipient.
 Acknowledge Tag Type:
 Numeric
 String
 Recipient Name
 Auto-Acknowledge when alarm starts

Save | Cancel

Alarm families

If many alarms behave similarly, users may define alarm families to facilitate alarm definition.

Design Alarm Families

Family:

Family	Status
FIRE	
HUAC	
MANUFACTURING	
SECURITY	

Add Family | Delete Family

Save | Cancel

Runs as a Microsoft® Windows® service

The service operates before a user has logged in and continues to operate after the user has logged off. If the service fails, recovery actions can be set up, such as restarting the service automatically or restarting the computer (for computers running Windows® 2000, XP and Vista only).

Multiple OPC-server connectivity

U.C.ME-OPC™ communicates with multiple OPC servers and with industrial automation software (SCADA) via OPC or DDE.

Log function

U.C.ME-OPC™ records all alarms, responses and other activities, and the alarm history may be viewed and analyzed on any computer via Internet/Intranet. This feature ensures a complete and thorough monitoring of every activity for enhanced efficiency and flexibility.

21 CFR Part 11 – Achieve compliance with U.C.ME-OPC™

U.C.ME-OPC™ supports FDA regulations, assisting pharmaceutical and food factories to achieve compliance with the following features:

- Electronic records of every operator action, signed with explanatory text and securely logged in a database.
- Password expiration and Minimum length.
- Confidentiality enforcement – only authorized users can add, edit or view data.
- User-specific inactivity time-out periods.
- Operators must provide an electronically signed explanation of their actions (system changes).
- Full accountability and traceability supported by automatic capture of who, what, when, and why-related information.
- Sort and filter by date/time, operator etc.
- Report export to HTML

