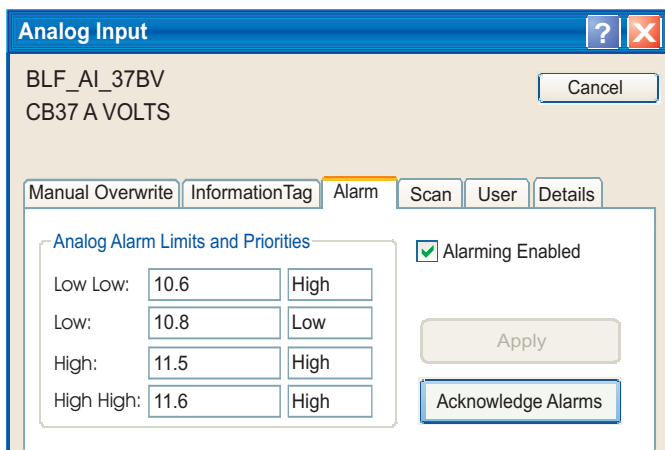


ENHANCED ALARM AND EVENT SERVICES FOR CLASSICAL SCADA/TELEMETRY APPLICATIONS

Alarms

Alarm dialog provides a standard interface for common alarm operations. Operators can easily:

- View current alarm states/levels for a device
- Change alarm levels. This capability can be enabled or disabled to meet operational requirements.
- Acknowledge individual alarms
- Enable or Disable alarm processing for a point



Global Silence on Acknowledgment is a single setting to stop all alarm horns on alarm acknowledgment from a single workstation. Once **EVENTS** is installed the 'Alarm silence' function can be added into Catapult **"MENU"**, plus it also becomes available from the right-click menu.

Acknowledge Page provides a fast and intuitive mechanism to acknowledge the currently visible alarms.

Alarm Horn Enable/Disable can be configured in Catapult **"MENU"** once **EVENTS** is installed.

Momentary Change Detect

Brief transient changes such as a circuit breaker tripping then auto-reclosing can happen between successive data polls, and so be completely missed by the SCADA. In this case operators get no information of the temporary fault, so important corrective work will not be undertaken. Momentary Change Detect (MCD) discovers these transient changes by comparison of high-speed Sequence of Events (SOEs) with conventional events. MCD generates conventional iFIX alarms to alert operators of the problem.

Off Normals

"Off Normal" points are simply those digital points that are not currently in their normal state, regardless of whether this current

state is an alarm condition or not. A record of Off Normal points is a more complete summary of field devices that may have a problem than is provided by the standard SCADA alarms list.

All Off normal points are displayed in the Off Normals List. This list has the same list management tools described below for the Events list, so operators can easily view and/or report all devices not in their expected state.

Events

A comprehensive, long term record of operator and system activity, including:

- Operator controls
- Operator event messages
- Changes to and from alarm conditions
- Changes of state to and from non-alarm conditions
- Sequence of Events (SOEs) timed stamped to 1ms
- Apply or remove Control Tag or Information Tag
- Apply or remove Manual Overwrite
- Apply or remove Alarm Disable
- Points that have been placed off or on scan
- Notes that have been added to the system

Events List

One list to view both current and historical events, with seamless scrolling into recent history, or jump to earlier period using filters. The system retains daily event files on single or dual servers for as long as required. The Events list provides a complete view and report facility including:

- Advanced multi-parameter SORT and FILTER facilities
- Event sources field to highlight, sort or filter on Alarms, Sequence of events, Operator events and so on
- Click and drag column sizing and column positioning

About EVENT **EVENTS** delivers additional services to GE Fanuc's Proficiency iFIX. **EVENTS** can be added to a new or existing iFIX system

Catapult Products for Proficiency iFIX



EVENTS Event history, sequence of events plus other event and alarm enhancements

iPOWER SCADA Complete SCADA solution for the electric industry

MENU Navigation for iFIX, with a familiar look and feel

ONDEMAND Demand-side load curtailment for electric power

CONTROL-SAFE Safe environment for operator control

PAN&ZOOM Pan, zoom and automatic clutter/declutter

SRM-2 Dual server redundancy + automatic failover