Changes of System Alarm States (HI)

Changes of system alarm states

The system responds only to changes of single states. Alarm conditions must be defined for changing the alarm states and operations corresponding to this changes. Objects of the *Alarm* type are defined by using the on-line system configurator - the process D2000 CNF.

The following table describes all the possible changes of system alarm states.

Alarm status change	Condition to change
Normal -> Alarm	Condition to start the alarm must be met. The condition is represented by an object of BOOLEAN type. Change into the state Alarm is subject to the time filter.
Alarm -> Acknowledged	Operator acknowledged the alarm.
Alarm -> Normal	Condition of ending an alarm must be met. If the condition is not defined, the condition of starting an alarm has to finish. If the alarm is defined as acknowledgement-required alarm, its status may not change from the state Alarm into the state Normal
Acknowledged -> Normal	Condition of ending an alarm must be met. If the condition is not defined, the condition of starting an alarm must finish.
Normal, Alarm, Acknowledged -> Blocked	The alarm is blocked by operator.
Blocked -> Normal, Alarm	The alarm is unblocked by operator. New alarm status (Normal or Alarm) depends on which state the alarm was raised in.
Alarm -> Unacknowledged	The condition of finishing an alarm is met - for acknowledgement-required alarm.
Unacknowledged -> Normal	Operator acknowledged the acknowledgement - required alarm.
Unacknowledged -> Alarm	Condition of raising an alarm is met again - for acknowledgement-required alarm.