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1 INTERNAL EVENTS

Internal events are events that are generated by the built-in supervisory functions. The supervisory functions supervise the status of the various modules in the terminal and, in case of failure, a corresponding event will be generated. Similarly, when the failure has been corrected, a corresponding event will be generated.

Apart from the built-in supervision of the various modules, events will also be generated when the following functions change their status:

- built-in real time clock (in operation / out of order)
- external time synchronisation (in operation / out of order)

Events are also generated on the following occasions:

- when 80% of the memory for the Disturbance Recording function is used
- whenever any setting in the terminal is changed
- when the content of the Disturbance Report is erased

The internal events are time tagged with a resolution of 1 ms and stored in a list. The list can store up to 40 events. The list is based on the FIFO principle, i.e. when it is full, the oldest event will be overwritten. The list can not be cleared, i.e. its content can not be erased.

The list of internal events provides valuable information, which can be used during commissioning as well as for fault tracing.

The information can only be retrieved with the aid of the software package SM/REx 5xx. The PC can be connected either to the port on the front or to that at the rear of the terminal.

The internal events list is available under the:

Part of Unit : **TERM-STS TermStatus - Internal Events**

A detailed list of the signals that can be generated is given under the section "Installation and commissioning", document number 1MRK 580 041-XEN.