

SM44 and SM44T SMS Message**Outline**

With the SM44 and SM44T SMS MESSAGE software modules, messages can be sent from the Neutrino BMS via SMS. This software module adds to the functionality of the NOTEBOOK and MALFUNCTION MESSAGE SWITCHING software modules.

Together with the SMS MESSAGE SM44T software module, a cell phone is also included.

With the functionality of this software module, messages can be sent to the persons of the stand-by service to inform them about the state of the TBE (Technical Building Equipment). These messages can be entered in the notebook or stand-by services.

The prerequisite for transmitting messages depends on the various malfunction conditions. It can be defined whether unconfirmed malfunction messages should be sent as a collective malfunction message or individually by alarm retransmission. A collective malfunction message will only be generated when several unconfirmed malfunction messages occurred within a defined interval.

Thus, the telephone costs can be reduced because the unconfirmed malfunction messages are suppressed (message shower) and only one collective malfunction message is sent as a message. By means of alarm retransmission, unconfirmed malfunction messages are sent immediately to avoid consequential malfunctions in the TBE.

Characteristics

- Up to 100 stand-by groups for persons of the stand-by service can be set up.
- Any text information can be defined (number of characters depending on SMS service).
- Messages from the notebook can be sent to several persons manually.
- Collective malfunction messages with number of unconfirmed malfunction messages can be sent automatically as messages to all persons of a stand-by group.
- Individual unconfirmed malfunction messages can be sent automatically as messages to one person of a stand-by group through alarm retransmission.
- Malfunction messages and collective malfunction messages can be confirmed by a callback.
- Malfunction messages can be forwarded to a different person within the stand-by group, if the malfunction message has not been confirmed after a defined time.
- Automatic redialing when persons are not available.
- Sent messages are displayed with date, time, and state in a journal.
- A wake-up call can be sent from the Neutrino BMS to a cell phone after a SMS has been sent.
- GSM cellular radio systems are supported with corresponding protocols.
- Messages of unconfirmed malfunction messages can be automatically forwarded and sent by means of a malfunction message switching (optional).

Function description

In order to be able to send messages to the persons of the stand-by service via SMS, stand-by groups with persons must be set up for this transmission mode in STAND-BY SERVICES. The order to whom the message should be sent first can be defined individually for alarm retransmission. If the malfunction message has not been confirmed by this person after a defined time, the message will automatically be sent to the next person of the stand-by group.

The messages are sent via a modem, which dials in the SMS center and sends the message via SMS to one or all persons of a stand-by group. Unlike city paging and faxes, there is a callback from the SMS center in the case of cell phones. The SMS center sends the text message only if the dialed-in cell phone is logged in. If the cell phone is turned off or has no reception, the SMS will be sent at a later point in time by the SMS center. The SMS can be stored up to several days, depending on the SMS center.

A requirement for transmitting the SMS is that the SMS center has a gateway to send the SMS from the landline network to the cellular network. If the SMS is sent using a GSM modem, the SMS is transmitted within the cellular network in the same way as would be the case from one cell phone to another (cell originated).

The messages are displayed with date, time, name, telephone number and state in a journal in the notebook. The state indicates whether the message was sent or not sent due to a sending error.

**NOTE**

For further information, see the Neutrino BMS manual, volume VIII, section "1.7.12 Configuring SMS messages SM44".
