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1 TERMINAL IDENTIFICATION - REB 551

1.1 Application

The identification names and numbers of the station, the line and the protection terminal can be stored in the protection. This information can be read on the built-in MMI or when communicating with the protection through a PC or SMS/SCS.

The nominal frequency must be set since this value is used by many functions. Also the input transformer ratio is necessary to set. The current transformer ratio affects the measuring functions.

The internal clock is used for time tagging of:

- internal events
- disturbance reports
- events in a disturbance report
- events transmitted to the substation control system SCS

This implies that the internal clock is of great importance. The clock can be synchronised (see “Time synchronisation”, 1MDX80030-EN) to achieve a higher accuracy of the time tagging. Without synchronisation, the internal clock is useful for comparison between events within the protection terminal.

1.2 Setting

The identification settings are found on the built-in MMI at:

Configuration
Identifiers, Frequency and Transformers

The settings of the internal clock is found at:

Settings
Internal Time

The current internal time can be read at:

Service report
Internal Time

1.3 Appendix

1.3.1 Setting table

PARAMETER:	SETTING RANGE:	SETTING:	DESCRIPTION:
		ACTUAL	
Identifiers			**Identifiers**
Station Name	16 character string		Station Name
Station No	0 - 99999		Station No.
Object Name	16 character string		Object Name
Object No	0 - 99999		Object No.
Unit Name	16 character string		Unit Name
Unit No	0 - 99999		Unit No.
Frequency			**Frequency**
Frequency	50 / 60 Hz		Nominal network frequency

PARAMETER:	SETTING RANGE:	SETTING:	DESCRIPTION:
		ACTUAL	
Transformers			**Transformers**
U_r	100 / 110 / 115 / 120 V		Rated voltage of the terminal
I_r	1 / 5 A		Rated current of the terminal
VTPrim Uphases	1- 9999 kV		Nominal primary phase voltage
VTPrim U4	1- 9999 kV		Nominal primary voltage of the busbar
VTPrim U5	1- 9999 kV		Nominal primary voltage of the busbar
CTPrim Iphases	1- 9999 kV		Nominal primary phase current
CTPrim IN	1- 9999 kV		Nominal primary residual current
CTPrim I5	1- 9999 kV		Nominal primary current
CT Earth	In / Out		Direction of CT earthing Out = towards the line In = towards the bus