

// PRODUCT SHEET

# Telephone System Interface



■ Module comparison

■ Telephone number comparison

■ Terminal comparison

## // Telephone System Interface

The data for telephone numbers present in a telephone system or for the telephone system itself (module management) can be written using the Telephone System Interface (TSI) or the Telephone System Gateway (TSG) to the Command Staging Area where it is available for further processing. The system or telephone number data must be supplied in the specified form in the Command transfer tables. In Command, the transfer data from the telephone system is compared with the actual data of the Command tables.

→ Comparison of terminal data

These actions can be performed either from the TSI or the TSG.

## // TSI/TSG differentiation

The major difference between TSI and TSG is that the TSI directly accesses the database of the telephone system and the data is imported into Command at a specified time. This action is performed automatically without the user needing to intervene.

Command provides this functionality in conjunction with the Siemens HiPath-Manager. The TSG imports the data from all other telephone systems into Command. The import is also performed automatically, however, using ASCII files that the user must make available.

## // Further processing

Telephone System Gateway (TSG) provides a user interface for the processing. As an alternative to working with the user interface, the processing of the system and telephone number data in Command can also be automated.

## // Action for telephone systems

New telephone systems supplied by the applica-

tion are created in the Command *Node Management* module. The associated physical objects, such as chassis or cabinets are placed in the specified zone in Command.

Search restriction - Modules

Module data

Command system: [dropdown]

TC node: [dropdown]

Location: 1-1-3\*

Module ID: ANL-BLN\*

Protocol data

Error category: = 42 Description: [input]

Date of change: [calendar icon]

Search Search >> Excel Search >> CSV Reset

Result - Modules

2 records

TC node	Location	Module ID	Error category	Description	TC module type	Com
ANL-BLN-1	1-1-31	ANL-BLN-1-1-1-31	42	Voraussetzendes Chassis *ANL	SLMA16	SLMA
ANL-BLN-1	1-1-37	ANL-BLN-1-1-1-37	42	Voraussetzendes Chassis *ANL	SLMA	SLMA

Data analysis Create module(s) Change module type(s) Deactivate module(s)

- System mapping
- Module mapping
- Terminal mapping
- Ignored modules
- Ignored phone numbers
- TC connections
- Data comparison
- Modules
- Telephone numbers

Based on the comparison results, the following actions can be performed:

- Structure of telephone systems
- Equipping the system chassis with modules
- Comparison of module information
- Creation/removal of telephone numbers on system ports
- Comparison of telephone number information
- Management of terminals on the system port

#### // Action for modules

New modules supplied by the application are created in Command. The modules are placed in the appropriate chassis. In addition, the support on, for example, a TC bar in the main cabinet, is also generated for the newly-placed modules. Any modules already present in Command will be updated, relocated or removed as specified by the transfer file.

#### // Action for telephone numbers

New telephone numbers supplied by the application are created in Command and linked with the appropriate port of the system module. For this action, a signal path will be created automatically whose physical route has a system port as output point. The signal path is brought into relation with the telephone number. Any existing telephone numbers will be updated or relocated to another system port or removed as specified by the transfer file.

#### // Individual customizations

It is possible to configure which attributes will be compared in Command, for:

- telephone numbers
- terminals

Configurations of automatic mechanisms, such as:

- automatic or manual processing of the system or telephone number data
- used mapping keys
- mandator-dependent accesses to various telephone systems

#### // Action for terminals

The terminal information supplied by the application for a module port is processed. New devices are documented in Command and physically linked with the associated system port. If a physical connection (signal path) already exists between the system port and, for example, a telephone socket, the terminal will be connected with the last object in the route and placed in the same zone as this. Any existing terminals will be updated, relocated or removed.

#### // System prerequisites

The telephone number data is not determined in Command. The data to be compared is transferred from the telephone system to the Command Staging Area or stored as an ASCII file at a specified location.

The *Voice* and *Node Management* modules must also be installed from C logic.

The interface has already been implemented for various telephone systems. Note that the Telephone System Interface (TSI) can be used only for those telephone systems managed using the HiPath-Manager. The Telephone System Gateway (TSG) must be used for all other telephone systems.

The TSG has already been implemented for telephone systems made by the following manufacturers:

- Alcatel (except for the comparison of auxiliary telephone numbers)
- Siemens
- Ericsson