



Telesens Traffic Trade Management

New functional modules of the price list loading and control system.



Automation of loading, converting, controlling, and storing international price lists to reduce costs and time for operators.

It is critical to take into account the current business challenges to make correct calculations and eliminate data discrepancies:

- The need to use new modes of loading destinations.
- Various call duration rounding models.
- Tariffs depend on A-numbers (from A and B numbers).
- The presence of errors and inconsistencies in external price lists.

New functional modules take into account all these features to automate critical processes.

Module B/A Groups

Allows you to work with price lists containing tariffs determined by prefixes A of numbers and directions B.

Functions:

- Sets formulas in templates for obtaining the code of the A-group and its members, "excluding" A-prefixes.
- Adding a new type of matrix "B/A groups", using groups of prefixes B and A numbers for searching by an adapted algorithm.
- Synchronization with T-IC and the possibility of synchronization with external systems.

Module DPM

Capabilities:

- Use of several pulse models within one local geographic price list.
- Automatic calculation of pulse models at the characterization stage, considering AB directions and other traffic features.

Functions:

- Dynamic determination of the pulse model (DPM) at the stage of grouping according to the settings of agreements and price lists.
- Setting up a template for defining tariffs with different tariff steps.
- Price lists downloading and their synchronization with settlement systems.

The price list can use one or several pulse models. Synchronization of price lists can be manual or automatic.

Module Loading Extensions

The module extends the control and configuration of all modes of loading price lists.

Functions:

- Variable setting of full or partial load mode.
- Extended possibilities for determining the dates of price lists and tariffs.
- Replacing the price list with ignoring history.
- Loading countries and destinations in different modes.

Two modes for price-lists downloading:

01

Full replacement (A-Z)

All price list lines in the storage are closed, and from the date of replacement, the lines of the transferred price list begin to operate.

02

Partial change

Only the strings in the price list being transferred to the storage are replaced. Lines in the repository that do not occur in the portable version are unchanged.



New functional modules

| | | |
|----|--------------------------|---|
| 01 | Module B/A Groups | ✓ |
| 02 | Module DPM | ✓ |
| 03 | Module Loading Extension | ✓ |
| 04 | Module Checks | ✓ |
| 05 | Module Autoload | ✓ |
| 06 | Module Fastload | ✓ |

Additional configuration of the “Transfer to storage” stage includes managing the analysis of the history of tariffs to identify rising rates.

Download history control:

The user in the template configures the date calculation method. The price list date is contained in the file name or in the price list data. The definition occurs at the stage of converting the price list.

Module Checks

The module checking the correctness of uploaded data: dates, tariffs, and directions.

Functions:

- Control of dates in conversion and placement of price lists in storage.
- Comparison of dates and signs of tariff changes, identification of inconsistencies.
- Search for detailed overpriced destination codes.
- Customizable distribution of notifications and reports to recipients.

At the stages “Conversion” and “Transfer to storage”, verification points are analyzed.

The system implements a fully automated process of processing price lists, starting with searching for a file and ending with the transfer of converted and verified data to the storage.

Module Autoload

Automation of the loading process from various sources and automatic processing.

Functions:

- Search for files in the mail system or download directories.
- Automatic processing: definition of the template and loading mode, conversion, transfer to storage.
- Formation of notifications about inconsistencies.
- Change Reports.

Module Fastload

Increasing the speed of loading price lists through the implementation of multithreading.

Functions:

- Using an additional Java module to load Excel files.
- Implementation of multithreaded loading mode.
- Transition to cross-platform technologies.

Batch Java download allows you to download price lists multithreaded. The system settings determine the number of threads used. Loading is accelerated tenfold.



The use of modules automates the processes of working with price lists at all key stages (loading, transformation, control, storage) and saves time and income for the operators.



Interaction of modules in the system

| | Module Checks | Module B/A Groups | Module Loading Extensions | Module DPM | Module Autoload | Module Fastload |
|---|---------------|-------------------|---------------------------|------------|-----------------|-----------------|
| Setting up templates | | | ✓ | | | |
| Loading the source file into the database | | | ✓ | | ✓ | ✓ |
| Convert to internal format | ✓ | ✓ | ✓ | | | |
| Data control and editing | ✓ | ✓ | ✓ | | | |
| Transferring price lists to storage | ✓ | | ✓ | | | |
| Download to T-IC | | | ✓ | ✓ | | |

Processing the price list takes place in 4 stages:



Loading of the file



Convert to standard view



Checking



Transfer to storage

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