![Telesens Global Solutions logo]

Telesens Interconnect Business Suite

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Telesens Interconnect Business Suite (TIBS) – is an effective tool for interconnect business management of telecommunication operators and providers.

Tinterconnect (T-IC)
Interconnect Settlement System

T-CPM
Content Partnership Management System

T-Roaming (T-R)
Roaming Settlements System

T-PBX
Settlements System for Clients Connected via PBX

T-Collation (T-C)
Detailed Traffic Data Collation System

T-TTM
Traffic Trade Management System

TIBS – new opportunities for interconnect business

Telesens'   **TIBS** products provide:

- Rapid processing of large traffic volumes (up to hundreds of millions of records per day)

- Rapid introduction of new services by relevant user selections within an advanced Agreement Management mechanism.

- Periodical billing cycles, user definable per interconnect carrier, AR functionality and GL transaction generation and interface.

- A complete toolset enabling partner price negotiations and tariffs reconciliation.

- An automated sub-system for inter-carrier invoice reconciliation and dispute resolution, allowing data analysis up to a single event level and with data export capabilities.

- Operational analysis of traffic, examining volume, costs, and quality for the purpose of cost reduction and profitability increase.
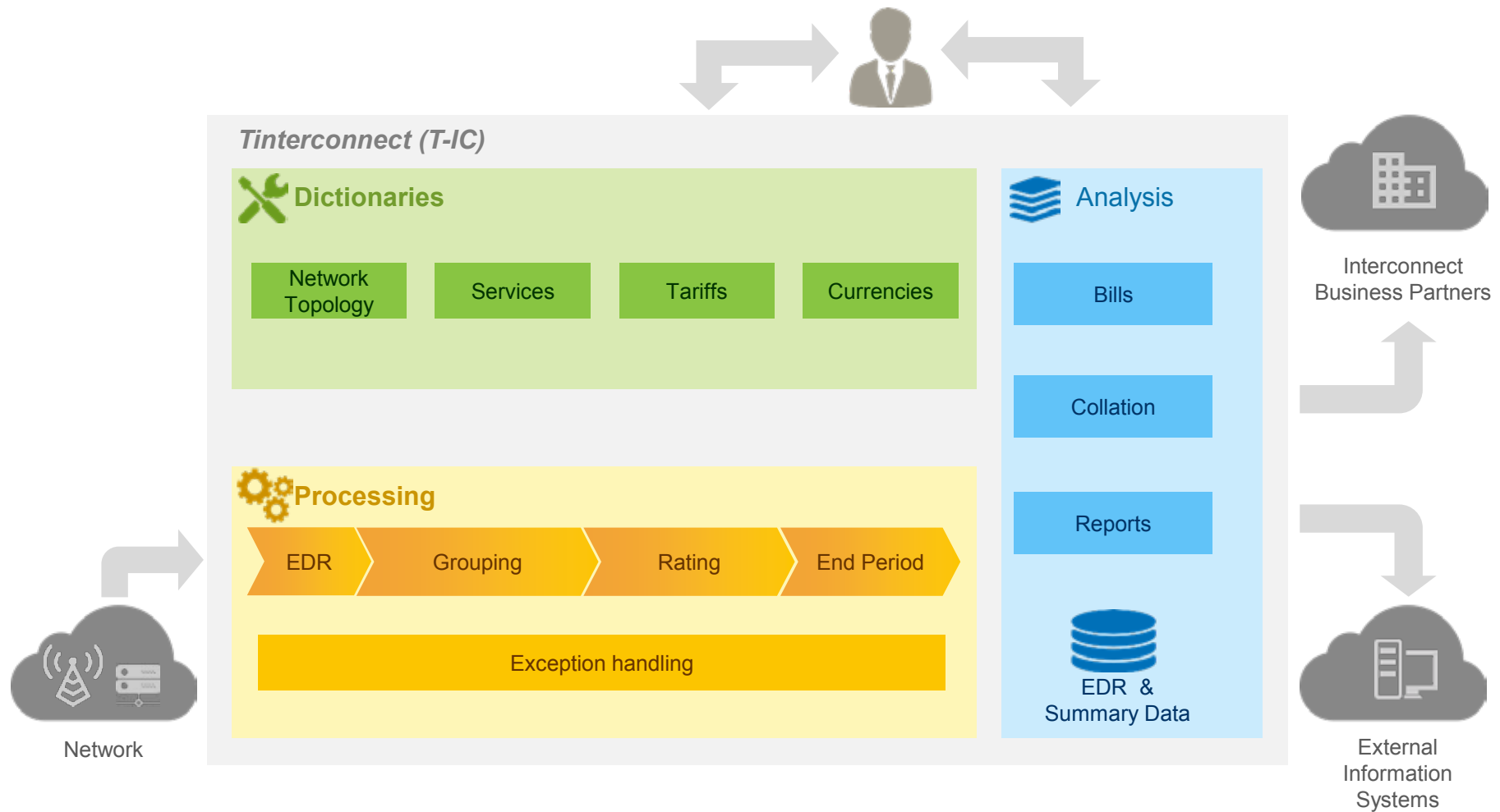
Tinterconnect (T-IC) – Interconnect Settlement System

Tinterconnect (T-IC) is a world class interconnect billing system that is used by both international and domestic carriers. Tinterconnect manages the registration and analysis of traffic between carriers, calculates costs in accordance with the terms of their interconnect agreements, generates data for managing the interconnect business and produces the invoices sent to interconnect partners.

Main functions of T-IC System:

- Receive and process all interconnect call and event data
- Maintain complex tariff agreements
- Rate events for the complete range of interconnect services
- Manage reconciliation with other carriers
- Handle exceptions and suspense items
- Generate settlement statements and invoices
- Network topology and resource management sub-system
- Number management and charge band matrixes
- Traffic analysis and control, traffic DWH
- Complete and unlimited multi-company and multi-relationship structure

Technological Process of the Tinterconnect (T-IC) System Functioning

Tinterconnect (T-IC)

Dictionaries

| Network Topology | Services | Tariffs | Currencies |

Analysis

Bills

Collation

Reports

EDR & Summary Data

Processing

EDR → Grouping → Rating → End Period

Exception handling

Network

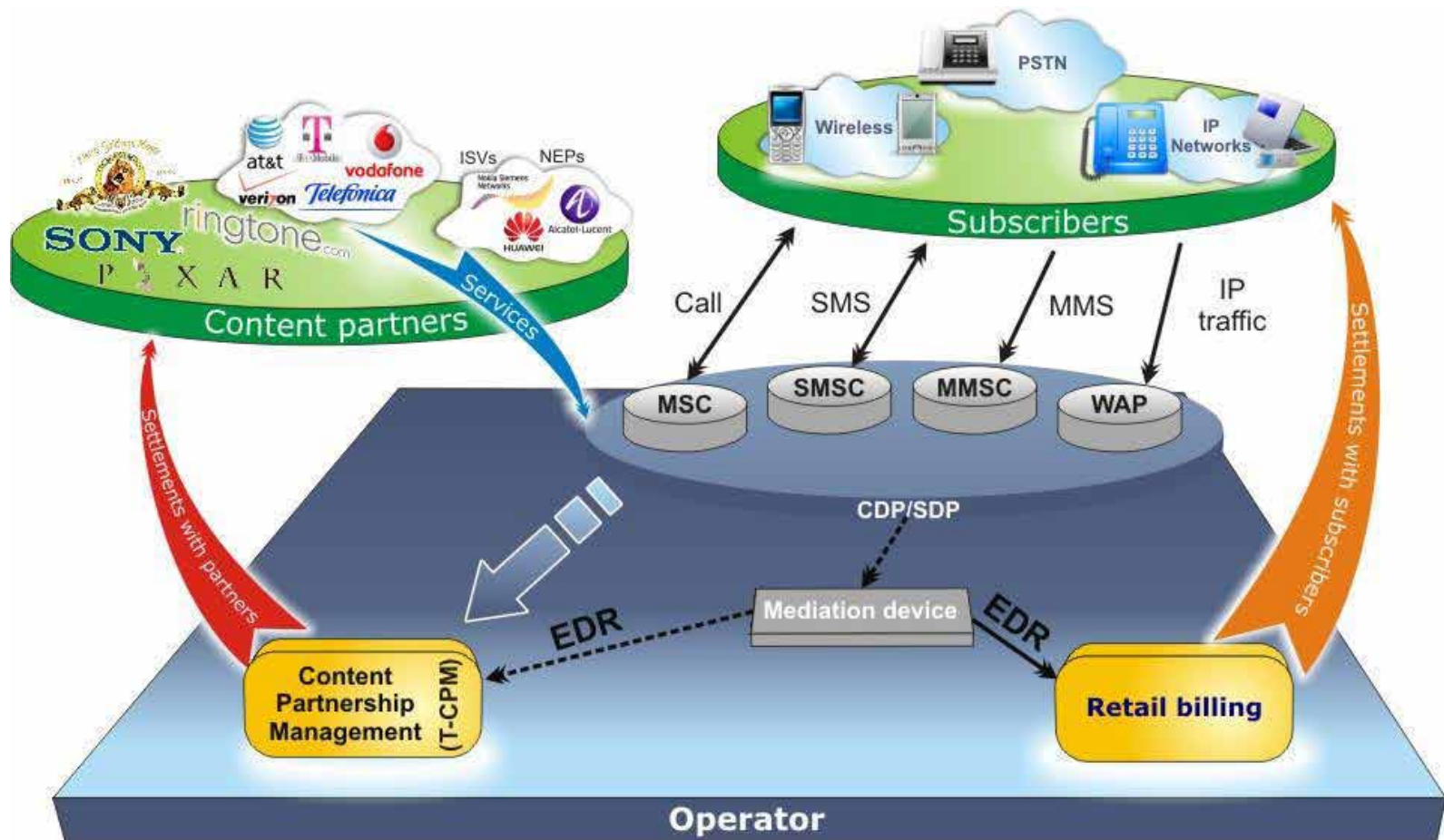Interconnect Business Partners

External Information Systems

T-CPM – Content Partnership Management System

T-CPM System is designed to support content service providers' settlements management (between cellular operators, content providers, content aggregators, service providers).

Main functions of T-CPM System:

- Effective maintenance of all types content agreements (SMS, MMS, Voice content, Ring Back Tones, IP/Mobile TV, mobile etc.)

- Downloading any type of content traffic

- Rapid and effective settlements with all content partners (content providers, content aggregators, rightholders etc.)

- Maintenance of content Data Warehouse

- Support of musical and video portals

- Effective revenue and cost analyses for information generation

- Efficient interconnect business management
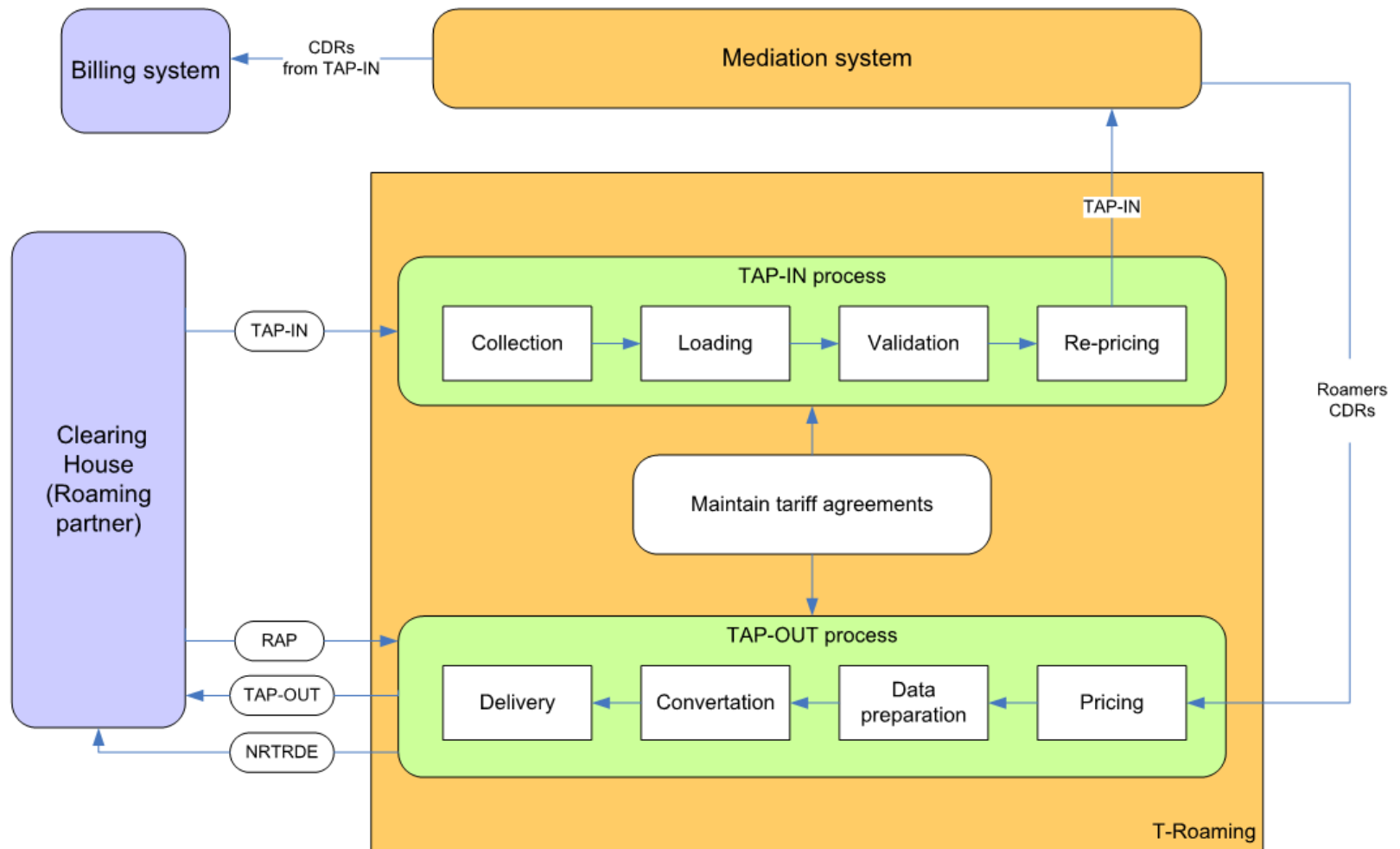
Roaming settlements system - T-Roaming (T-R)

T-Roaming (TR) system is designed to support a telecom operator in the exchange of information about the provided services and roaming settlements with roaming partners.

The system ensures implementation of technological processes related with realization of standard procedures for transfer and return of account information specified by GSM Association: TAP (Transfer Account Procedure) and RAP (Return Account Procedure).

Main functions of T-R System:

☒ TAP-IN files processing with information generation for subscriber billing system about roaming service pricing for subscribers

☒ TAP-OUT files generation including information about tariffing roaming services and NRTRDE files for sending to roaming partners

☒ RAP files analysis and processing

☒ Settlements support with roaming partners

Functional scheme of T-Roaming (T-R)

Settlements system for clients connected via PBX – (T-PBX)

T-PBX system is designed for automation and information support of settlements with operator's customers connected via PBX.

Main functions of T-PBX System:

- ☒ T-PBX system provides the information management of customers and agreements (with the possibility of combining customers into holdings and taking into account the closed user groups)

- ☒ Billing and rates management (including support of functionality MNP)

- ☒ Maintaining rate models and price lists

- ☒ Payments accounting

- ☒ Formation of invoices on customers taking into account balance

- ☒ Supporting of mass mailing of invoices to PBX customers

- ☒ The formation of acts of works performed and income reports

Detailed traffic data collation System - T-Collation (T-C)

T-Collation (T-C) system is designed to automate the processes of collation of detailed traffic data with partners' data in the disputes settlement with interconnected operators.

Main functions of T-C System:

- ☒ Downloading and conversion of compared detailed traffic data records (CDR) into system database using customizable formats and fixed templates of conversion

- ☒ Determination of CDR compliance for conditions set, fixing by a user.

- ☒ Detection of accounts duplicates.

- ☒ Aggregation of call parts is solution when long calls are divided by switch into several CDRs according to different rules.

- ☒ Data traffic grouping in the various sections (dates, directions, tariff groups, etc.)

- ☒ Maintaining sets of collation conditions.

- ☒ Creating and using collation templates.

- ☒ Maintaining copies of collation - the creation and storage of settings and collation data with the operator for a billing period.

- ☒ All collation results are shown on the screen and can be downloaded in Excel.
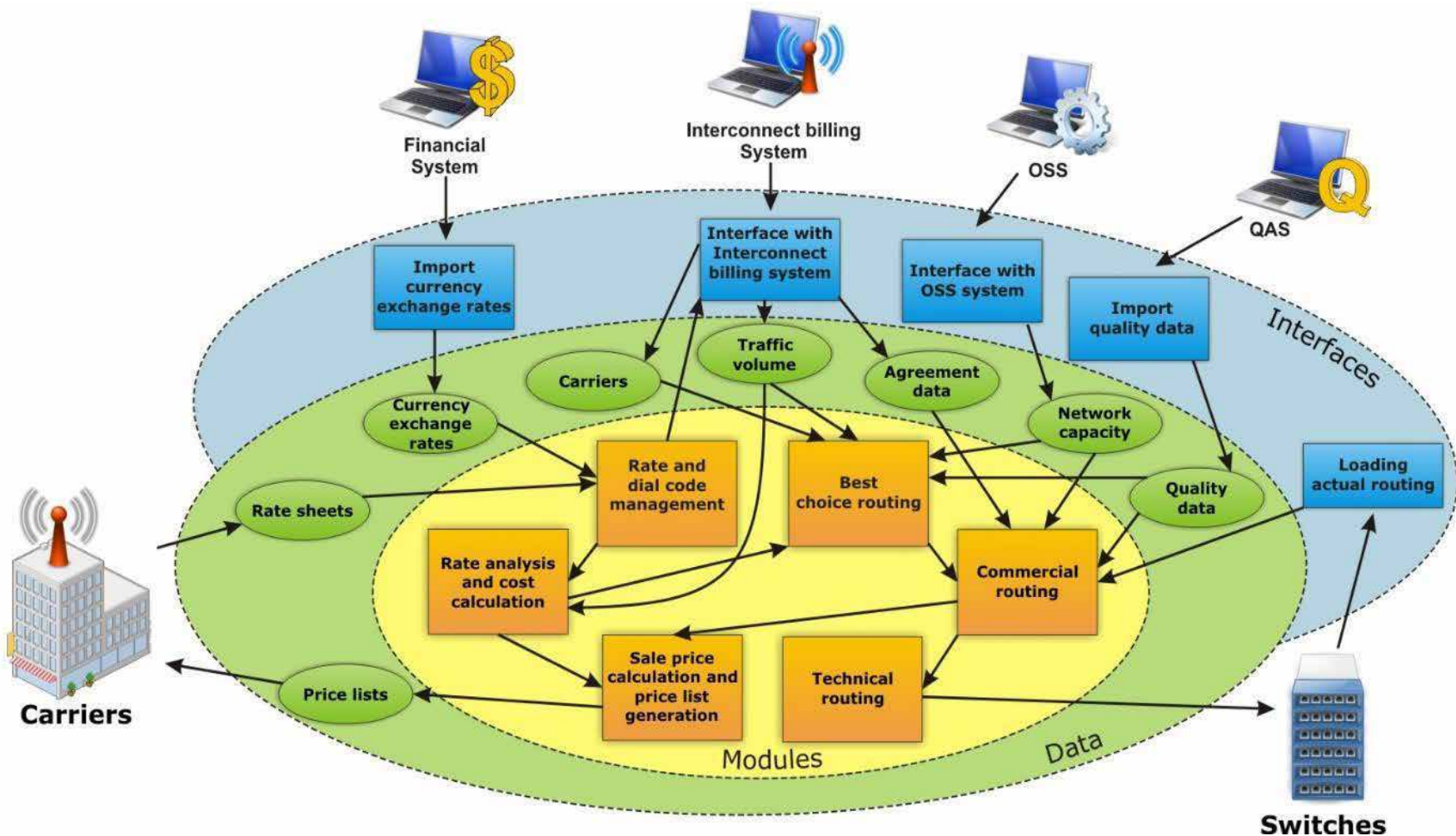
- ☒ Reporting on the collation.

Traffic trade management system - (T-TTM)

T-TTM system is designed for information support of business trade traffic and maximization of revenues from services provision of transit and termination of traffic.

T-TTM System provides support of major challenges of traffic trade:

- ⊠ Purchase (data collection about the proposed rates, negotiating on prices, monitor and analyze of rates changes)

- ⊠ Pricing for traffic sale (definition of the prime cost, margin, discounts, formation of the selling price)

- ⊠ Sales (price lists formation, negotiating on prices, determination and analysis of profitability, the formation of appendixes to agreements)

- ⊠ Selection of the optimal routes on the basis of rates, data of agreements, bandwidth capability and quality of service

- ⊠ Formation of the routing tables to reprogram switches.

Telesens at a Glance

- International company headquartered in London with a development center in Ukraine that serves customers in more than 20 countries worldwide

- Product company, that professionally develops and implements enterprise software solutions since 1998
  - Own telecom BSS/OSS/VAS suite with exclusive intellectual property rights to every product belonging to it

- Broad range of products and services:
  - Tailoring and implementation of own software products at telecom operators
  - Assembling turn-key solutions on platforms of leading telecom software vendors
  - Custom software development services

- Over 600 projects successfully delivered to our customers

- ISO 9001:2015 certified processes, high corporate culture

- More than 100 high-qualified software engineers, testers, analysts, designers, project managers

- Own educational center and close co-operation with leading universities

- Potential for rapid growth

Our Customers Say About Telesens

"…For Ucell, as fastest growing operator in Uzbekistan, it's very important to have an efficient tool to manage the interconnect business in order to hold the leading position in tough competition environment…Telesens' executives have demonstrated their ability to respond to requests of COSCOM's staff in a prompt and flexible way. Ucell is very much looking forward to develop and strengthen our partnership with Telesens."

Chief Technical Officer FE "COSCOM" LLC,
Helge Raitanen

"… Due to their professional competence, the Telesens employees participating in this project were able to get into the new available infrastructure very fast. Both technical and interpersonal communication with them was excellent. The fast synchronization of the development processes was easily achieved. The developed software module is remarkable for its high quality. The planned functionality was achieved fully within planned timeline and budget. This project can be designated as a 100% success. Therefore, we plan to entrust Telesens Ukraine with further projects".

Business Support Solutions T-Systems Nova GmbH,
Chris Steenbergen

"Following the introduction of Tinterconnect (T-IC) system at Kyivstar GSM developed by Telesens, we received a modern flexible solution capable of processing huge volumes of information and easily customizable to new requirements of the dynamically growing subscriber base of Kyivstar GSM, new interconnection with carriers and possible change in procedures of settlements between them. This enabled us to optimize our relations with carriers and significantly reduce the number of disputes arising during settlements. We are completely satisfied with our cooperation with Telesens" .

President Kyivstar,
Igor Litovchenko

[More references on our web-site >>>](#)

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