

Interconnect Billing

I-CONN™ is Telesoft Consulting's Inter-carrier Billing Solution developed to support the evolving business needs of today's Telecom Service Providers. It implements state-of-the-art functionality and capabilities which correspond to the complex billing scene. **I-CONN™** is a comprehensive and converged solution that along with its web application provides a modular service-enabling concept, second to none.

I-CONN Mediation Module

Key Features

- *Flexible Processing*
- *Flexible Record Formatting*
- *Duplicate Record Detection*

I-CONN Rating Module

Key Features

- *Billing Operator Based Rating*
- *Compound Rating*
- *Import Wizards*
- *Rating at the EDR Level*
- *Rerating*
- *EDR Extract*
- *Drill Down*
- *Customised Reporting*
- *Activity Log*
- *Authorisation*
- *Archiving*

Mediation Module

Billing mediation is an essential link between the network and the business system implemented. It is the mediation process that converts usage data into a pre-defined layout that can be imported by a specific billing system or other applications. Typically the mediation platform is used for the following tasks:

1. The collection and validation of EDRs;
2. Decoding of the EDRs;
3. The filtering out of non billing-relevant EDRs;
4. Splitting EDRs (For example in case of a transit call scenario);
5. Re arranging all of the collected information into a pre determined order;

The mediation module is an integral part of Telesoft Consulting's latest Intercarrier Billing Solution I-CONN. The flexibility that the mediation module provides allows it to be used as either a standalone application or incorporated into other third party products.

Mediation Key Features

Flexible Processing

I-CONN uses a set of tasks (steps) to provide comprehensive processing capabilities. A corresponding GUI enables the user to specify the behaviour and the order of these tasks and what type of processing is to be performed. Through this capability the standard tasks can be configured to support operator-specific business logic without the need for customisation of the standard product.

Flexible Record Formatting

I-CONN has built-in support for all leading format specifications such as ASN.1, Comma Separated Values (CSV) and Fixed Length. It also provides additional support for the configuration of any data type that is contained within those records (e.g. GSM, GPRS, SMS), enabling user-controlled format management through the configuration. Due to the design of the Mediation module within I-CONN the rapid addition of vendor-specific or any new industry standard formats can be added.

Duplicate Record Detection

The Detection of duplicate records is implemented in I-CONN's Mediation Module. This functionality reduces the chance of additional charges being made.

Rating Key Features

Billing Operator Based Rating

I-CONN uses an elaborate system of EDR aggregation. This approach sorts and combines the EDRs by a series of criteria such as the network operators name, destination, product type, point of interconnect, time of day or date, etc. The resulting summaries can be manipulated quickly and easily. I-CONN also contains features for monitoring and controlling processes, including exception handling, re-rating and the undo functionalities.

Compound Rating

I-CONN provides powerful and flexible rating engine that allows compound rating scenarios to support the diverse and changing needs of Voice, SMS, MMS, VAS, etc. These different services require different rating scenarios such as: rating per unit, rating per second, rating per volume, etc. I-CONN is compliant with most up-to-date rating models.

Import Wizards

The Graphical User Interface (GUI) used in I-CONN is very powerful and yet very intuitive and easy to use enabling services to be added in the shortest time possible. The included wizards which are used to import the Rates, CNPs, Zones and Routes immediately check for duplicate or non-consistent import entries.

Rating at the EDR Level

I-CONN is a fully-fledged system capable of successfully handling Inter Carrier Billing (ICB) operations. I-CONN offers the complete rating of data (SMS) and content (MMS) traffic, in addition to traditional voice traffic for a variety of different scenarios and rules.

Rerating

Due to the frequent change of tariff rates the flexibility to update and amend rates accurately whilst preventing errors and delays in realising interconnect revenues is needed. To satisfy these needs a rerate option is included. Rerating can be performed for either a single EDR or a group of EDRs which can be selected using predefined criteria. The rerate option is very easy to operate and extremely flexible, the system also includes intelligent re-pricing features, which minimise the opportunity for errors.

EDR Extract

The extraction of EDRs is also possible and includes the ability to specify different filtering criteria which gives you greater flexibility in the selection of EDRs to be extracted. Numerous other sorting options are also available both before and after the filtering process. The extracted records are delivered in a CSV file format (Comma Separate Value). Additional file formats are very easy to implement also, if required.

Drill Down

I-CONN provides the ability to drill down to the EDR level that assures accurate rating and fast resolution in case disputes arise.

Customised Reporting

I-CONN has the built in ability to create fully customised reports that can be viewed in various styles. Creating reports is easily achieved simply by dragging the required fields from the available lists into

the required position, this totally eliminates the need for any prior SQL knowledge. In I-CONN powerful reports can be easily created and exported by users in no time at all.

Activity Log

All user activity is recorded and stored in the activity log. Authorised personnel can access these records and view the activity of a specific user (by name) and/or specific user session (time period) or for all users and/or a specific time period.

Authorisation

Rates, CNPs, Routes and Billing Details that require authorisation can be dealt with easily in real-time using the included Interactive service authorisation feature.

Archiving

Various archiving options are included in I-CONN which allows the secure storage of data for further use if needed. Access to the secure archived data is granted only to authorised personnel.



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