

# ESKA<sup>®</sup> Interconnect

The importance of maintaining accurate interconnect billing is becoming crucial for telecom operators, as the number of carriers and their associated traffic, pricing scenarios, and interconnect agreements is increasing.

**ESKA<sup>®</sup> Interconnect** presents an advanced tool to seamlessly manage the complex processes of settling commercial transactions between carriers providing interconnect services.

## Strengths

### Efficiency

**ESKA<sup>®</sup> Interconnect** is highly efficient in using processor time and occupying memory storage space.

### Flexible and Easy-to-Use GUI

All system features are accessible through a Graphical User Interface (GUI) that is easy to understand and use, which allows users to perform daily transactions smoothly and effectively.

### Scalability

**ESKA<sup>®</sup> Interconnect** is a fully scalable system that supports global interconnect regulations. The system can be easily adjusted to meet customer needs and latest market dynamics such as adding new traffic types and services.

### Wide Rating Support

The system provides powerful real-time rating capabilities to cater for existing and next-generation services; these include SMS and MMS traffic in addition to traditional voice traffic for complex multi-step and multi-component rating rules.

Code	Carrier Name	Rating Method	Balance	Price Plan	Last Invoice Date
1234	Carrier A	Rating	-5519887365.415	TSA-PPL	
AEROLIT	Aerolite	Rating	57349726.776	BEN-PPL	
BENSON	Benson Online	Rating	113850.263	VDC-PPL	04-12-2007
BHARTI	Bharti India	Rating	-315251618.467	TLN-PPL	13-08-2007
BT	BT Global Services	Rating	17561831.598	BT-PPL	04-12-2007
CARB	Carrier B	Rating	3453453		
CARC	Carrier C	Rating	675656		
CARE	Carrier E	Per Destination	45645		
CARF	Carrier F	Per Destination	8576		
CARZ	ZANROAM	Rating	56785		

Code *	DEMO	Name *	BHARTI International
Name 2		Contact Person *	Joun Arthur
Phone *	795925425	Email *	Info@bharti.com
Fax Number *	795925425	Bill Cycle *	Interconnect Billing Cycle
Rating Method *	Rating	Roundation Rule *	Round(X,3)
Currency *	USD US Dollars	Start Date	
Address			



### Total Control

The system enables operators to manage their new product rollout plans with total control. **ESKA<sup>®</sup> Interconnect**'s volume-based rating features allow operators to present flexible agreements and define rates based on traffic volumes, such as committed volumes and a variety of other user-definable criteria.

### Web Access

**ESKA<sup>®</sup> Interconnect** is fully Web-based, providing ease of access to all system features and stored data.

The System is n-tier, object-oriented, and component-based with an interface that has been developed using Microsoft.NET; the underlying modules are based on Java and C++.

## Main Functionalities

**ESKA<sup>®</sup> Interconnect** presents a wide variety of functional features that add to the strengths of the product.

### Carrier Management

**ESKA<sup>®</sup> Interconnect** maintains full records of an operator's partner agreements. It also provides near real-time monitoring of the financial position with each partner.

### Price Plan Management

The system allows defining all network service tariffs that are assigned to a given partner. It also supports the routing of interconnected traffic by configuring the network to deliver the required service to customers, while maximising the operating margin. Moreover, the system's importing utility allows importing price lists received from different carriers with diverse formats into a single standardised database repository to be used for rating and routing management purposes.

## Rating Engine

The system has a powerful rating engine that manipulates calls with high performance due to the strong design and technology applied. It also provides the flexibility to calculate calls according to various parameters and to monitor rejected calls in order to fix them and re-process them later. In addition, the system supports re-rating processes when the operator needs to repeat the rating process after the Charging Detailed Records have been already processed and the cost calculated.

## Invoice Management

**ESKA® Interconnect** provides operators with periodic financial invoices that can be modified in matter of layout. In addition, different types of discount and taxation scenarios are covered through invoice calculation.

## Reconciliation

The system can reconcile carrier input with the invoices issued by the operator. Reconciliation can show any discrepancies between the invoices of both sides and apply a record-by-record matching if required.

## Revenue Sharing

**ESKA® Interconnect** enables companies involved in the delivery of revenue sharing services to effectively manage all key aspects of revenue generation. These include partner relationship management, service charging, invoice generation, and settlement of revenues and expenses between different parties responsible for delivering these services.

The system also helps network operators, service providers, and financial intermediaries generate income from services such as voice, SMS, MMS, music, video, and image downloads.

## Partner Web Access

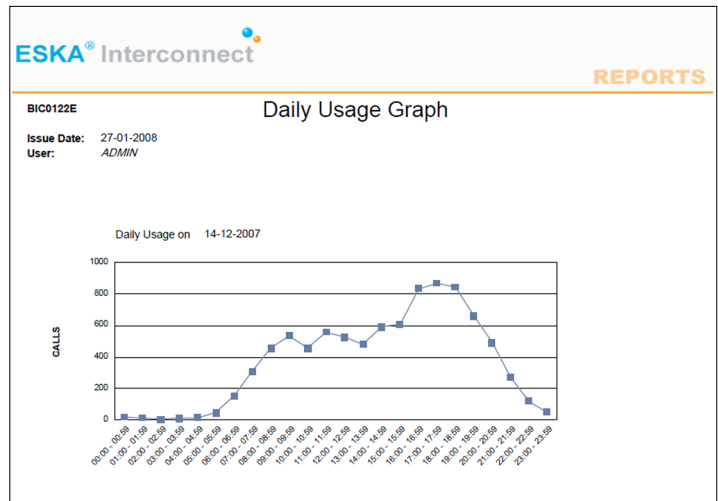
The system offers real-time Web-based access, which allows partners to log-in through a secure Internet connection to check sent/ received calls and durations. They can also review invoice details, settlements, balances, agreements, and setup information.

## Powerful Reporting

**ESKA® Interconnect** comes with a set of standard reports that cater for the main market requirements. These reports include:

- Daily or monthly, incoming or outgoing traffic graphs
- Billing period summary
- Top incoming or outgoing destinations by cost or duration
- Incoming or outgoing ports traffic

The system's reporting functionalities also support custom report generation, integration of custom reports with standard and user-defined reports, multiple saving formats, and data filtering options for billing and traffic reports.



## Alerts

The system allows setting and triggering alerts when reaching preset thresholds for each carrier's incoming and outgoing traffic volumes.

## Price List Loader

**ESKA® Interconnect** is equipped with a Price List importing utility; a strong and dynamic tool that handles different formats of price lists exchanged between operators and interconnect partners.

The system enables operators to:

- Create custom price list templates for mapping received price lists information into a unified format, which simplifies the process of updating interconnect tariffs;
- Validate received price lists by checking new and missing destinations, and generate reports so for the operator to decide on required actions;
- Consolidate certain price list types where destination prefixes and costs from different lists are merged into a single price list that would be manipulated by the operator.

## Administration

The Administration module within **ESKA® Interconnect** provides powerful tools to manage the system's security, user privileges, transaction auditing, and archived reference data.