



Lerg Processing

Revenue Assurance

Switch Validation

Switch to Bill

Testing

Switch Processing

Workflow Management

Code Opening

Management Reports

Ensuring the Integrity of Telecommunications Networks

Introducing the inSwitch Platform...



Honovi's inSwitch platform is an integrated suite of solutions for network engineering and revenue assurance executives responsible for improving efficiencies, increasing accuracy and eliminating lost revenue caused by inaccurate, incomplete and missing switch translations.

inSwitch automates the manual processes required to identify and correct existing translation errors, plus maintains the validated baseline with changes required by routing and NPA/NXX transactions.

inSwitch's turnkey or service bureau solutions provide offline testing/validation and correction of switch translations, automation of switch updates based on transactions from the LERG®, RAS, TIRKS® or internal systems, and workforce management for manual technician activities.

theValidator™ Analytical Usage Module

theValidator™ Analytical Usage module performs continuous usage validation that significantly improves the accuracy of billing and IXC termination reconciliation. The proven analytical techniques allow telecommunications providers to identify, quantify and correct the root cause of errors which lead to the leakage of usage revenue. theValidator is an integrated solution suite that supports dynamic business conditions with a flexible design to easily accept additional data sources and new analytical techniques.

Business Environment

In today's competitive business environment telecom providers are under tremendous pressure to accurately bill revenue, reduce cost and improve efficiencies that will lead to increased profitability. Profits are lost as inconsistencies between network elements and billing systems allow usage to go unbilled or customers to be billed inaccurately. Historical analyses that verify the flow of AMA through billing does not guarantee that all usage is being properly created. Combining SS7 data with switch translation extracts, AMA usage or billing data allows Revenue Assurance professionals to utilize previously unavailable query capabilities to continuously identify discrepancies and automate corrective action with a single solution suite.

AMA Creation

SS7 messages document events that initiate AMA creation and guide downstream billing events. theValidator determines that the correct call codes are created with the required rating characteristics for accurate wholesale or carrier billing.

Carrier Arbitrage

Carrier arbitrage (illegal avoidance of access charges) cost telecom providers millions of dollars each year. theValidator identifies arbitrage of on-net to on-net calls where the telecom provider is not the long distance provider. Proprietary analytical techniques allow Honovi to identify calls delivered through specific routes where competitors attempt to avoid paying termination charges.

Wholesale and Carrier Access

Utilize SS7 usage and contractual agreements to determine if wholesale carrier usage levels have been fulfilled, or if additional billing/credits are required. Actual trunk group traffic and utilization service level arrangements (SLA) are evaluated with analytical techniques to identify if systemic causes or random anomalies have effected reciprocal compensation.



The inSwitch Trunk & Routing Automated Maintenance (TRAM) module provides Network executives a solution for mechanizing creation and augmentation of trunk groups and automating the required routing changes.



The inSwitch Switch Code Maintenance System (SCMS) module provides Network executives a standardized process to automate LERG/RAS transactions with over 90% un-assisted flow-through.

Trunk Billing Validation

When new trunk groups are built, or augments occur, analysis is performed to ensure that AMA options are properly set, usage is created with proper billing characteristics and guided cleanly through the billing process. Based on an analysis of traffic, usage and billing discrepancies, the appropriate personnel will automatically be notified to initiate corrective action.

Proactive Monitoring and Alerts

theValidator continuously evaluates network usage and notifies service provider personnel when specific attributes surpass user define thresholds. Proactive monitoring ensures revenue affecting network discrepancies are immediately identified and root cause analysis promptly initiated.

Ad-Hoc User Analysis

Constantly updated usage data, or user specific switch extracts provide integrated views of complex network plans with real-time usage activity. Ad-hoc analysis allows users to identify trends and initiate corrective action plans that allow unbilled usage and cost avoidance opportunities to be detected and corrected.

Summary

Honovi's inSwitch product TheValidator, provides Revenue Assurance executives the ability to identify and eliminate lost usage revenue. By applying proven analytical techniques to SS7 information, AMA records and billing data, theValidator identifies network translation discrepancies, billing errors, and carrier arbitrage. The result is a verifiable increase in billing reliability and bottom line profits. Implementing inSwitch will quickly deliver measurable results with a typical ROI of less than 6 months.