ByPass Traffic

SS7 Network Monitoring for Revenue Recovery

MANAGE
MEASURE
MONITOR
MONETIZE

NetInterConnect

Phantom

ByPass

Reciprocal Compensation

Trunk Tables

PIU/PLU

Wireless CDRs
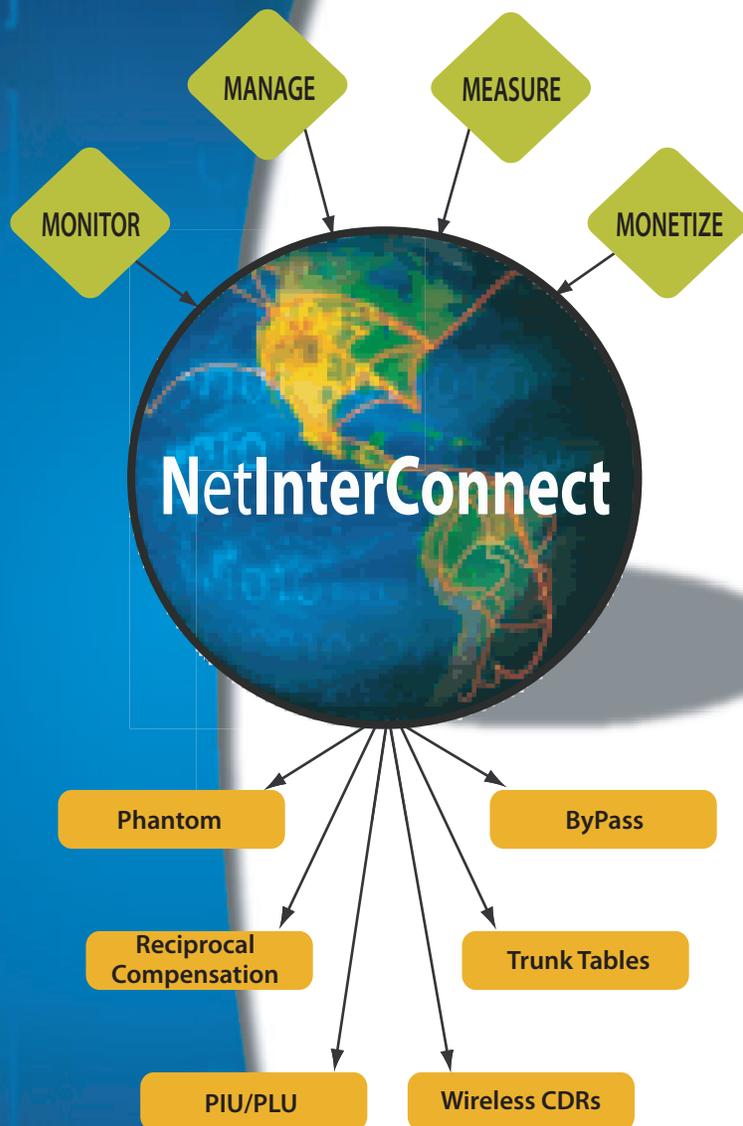
The Problem

Carriers route toll or access eligible traffic to a terminating carrier on "local only" calling trunks—that is just one of many new tricks carriers now increasingly play on each other to decrease or outright avoid all applicable access charges.

ByPass is dramatically on the increase and is characterized and easily identified when a carrier routes toll calls to trunks that are exclusively designed to serve local calling plans commonly known or referred to as EAS or ELC trunks (Extended Area Service or Extended Local Calling) plans.

ByPass has been identified as a significant and de-habilitating source of telecom industry revenue loss and has been labeled as Access Avoidance by multiple member carrier organizations including the telecom industry highly prominent National Exchange Carrier Association (NECA).

The Solution

Tekno has introduced to the industry NetInterConnect as a service-based solution to **monitor, measure, manage, and monetize** the network for the recovery of lost revenues due to ByPass or access avoidance traffic that a carrier may be experiencing.

Using Tekno's hosted NetInterConnect service application carriers can conveniently and affordably analyze their network traffic by leveraging the power of Tekno's service bureau ByPass exception network traffic reports.

Carriers can then recover lost revenues by converting ByPass exception SS7 ISUP CDRs enhanced with LERG and trunk group information into EMI records for direct upload into their CABS system for billing to eliminate access avoidance.

Key Benefits

- Identification of ByPass network traffic
- Accurate trunk tables developed from actual network data
- Conversion of ByPass exception CDRs into access billing
- Greater network knowledge and expertise for current and next-generation networks
- **Rapid Return on Investment from increased billing**
- Minimal expense with no administration or incremental staff
- Recovery of current, future, and past lost revenues
- Tekno purchase (CAPEX) or lease (OPEX) plans available
- No large capital expenditure with Tekno's lease program
- No long term contract commitment for service
- Favorable regulatory cost recovery for most companies

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The Process

Tekno Telecom's SS7 non-intrusive monitoring devices, NetSCCS and NetAnalyzer, decode SS7 data and count every MSU and packet, then correlate each protocol message into super-accurate SS7 CDRs, and transmit them along with statistical reports to Tekno's NetInterConnect centralized server application. The raw SS7 CDRs are enhanced with trunk group and LERG information for jurisdictionalization. Reports and enhanced SS7 CDRs are then generated from the NetInterConnnect system to render extremely accurate and reliable billing records and reports for carrier revenue and profit maximization.

NetInterConnect Application (ASP/Service Bureau)
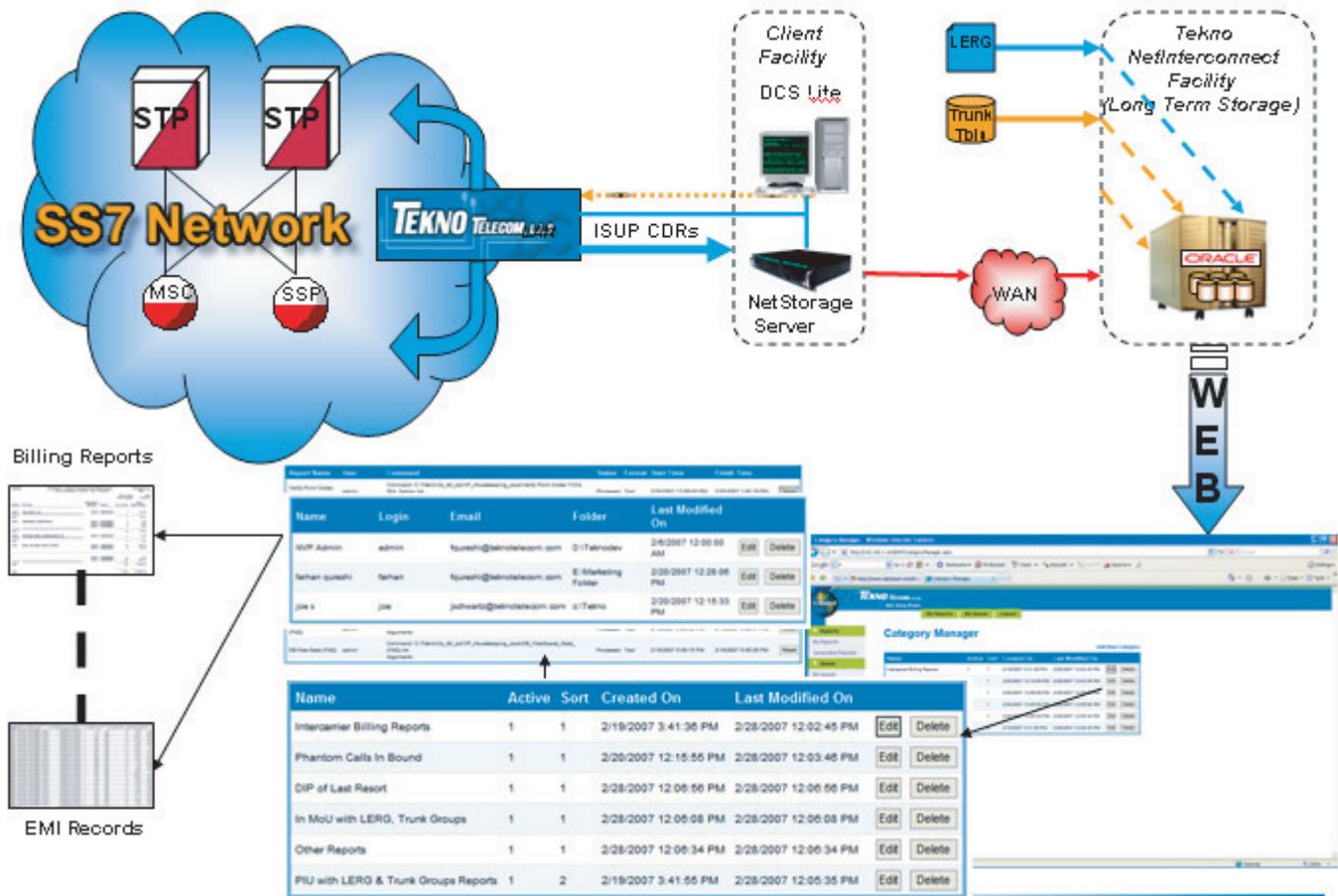
The Conclusion

Revenue and profit maximization today are the key to both survival and success. NetInterConnect's total network analysis provides the carrier with highly accurate quantifiable information that will ensure profitable revenue gains with definitive data. Whether it be wireline, wireless, or next-generation telephony networks, Tekno Telecom's NetInterConnect product solution will provide your company with the correct answers to your billing needs today!

Contact

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About TEKNO TELECOM, L.L.C.

Tekno Telecom, L.L.C. develops and manufacturers Network Monitoring, QoS and billing class solutions for wirelines, wireless, and next-generation carriers on a worldwide basis. Over 40 years of experience has produced patented, leading-edge, and highly reliable systems that meet carriers' growing needs for profit enhancing knowledge regarding their networks.

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