Universal Routing Solution
Toll-Free Routing Optimization & Analytics

THE INDUSTRY'S MOST COMPREHENSIVE NETWORK ROUTING OPTIMIZATION & ANALYTICS SOLUTION FOR TOLL-FREE

TEOCO's Universal Routing Solution (URS) is a highly configurable SaaS platform supporting the planning and management of SMS/800 Toll-Free Number (TFN) Registry routing. URS manages the complete Toll-Free routing lifecycle, providing higher precision, control, and visibility to ensure maximum optimization and peak performance.

URS uses a data-driven approach to managing the business of Toll-Free by presenting important metrics and insights to assist business and operational support teams in refining their planning and decision-making processes in the areas of:

Routing   **Costing**   **Profitability**   **Customer Behavior**

The URS value proposition ensures:

- **Significant savings** – per minutes of use (MOU), through cost-optimized routing.

- **Streamlined operational workflows** - that eliminate swivel-chair complexity and reduce cycle times.

- **Fewer defects** - by enforcing rules-based route policies with protective guardrails throughout the lifecycle process.

- **Routing optimization** - as if the customer's best subject matter expert is operating the system.

- **Data visualizations** – to quickly identify inefficiencies that emerge from the 'noise'.

- **Service protection** – for in-process network outage management and restoral.

- **RespOrg hosting** – allows key management capabilities to be extended to third-party RespOrgs.

- **Fully automated integration** - with the SMS/800 TFN Registry API interface.

BETTER TOGETHER

Software Synergy, Inc. is now part of TEOCO.

SSI provides a long and successful track record of handling the most rigorous Toll-Free requirements and routing complexities for leading service providers.
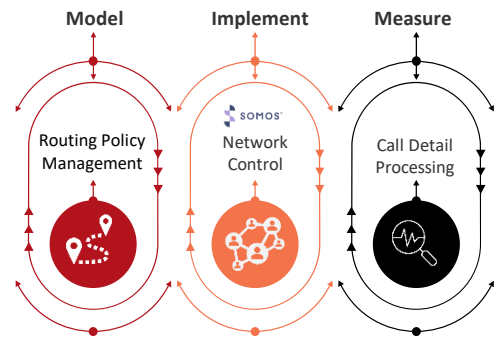
Lifecycle Management

URS applies your business rules to each routing update, all within a low-touch, intuitive operational workflow.

Model foundation data and collected analytics to predict and optimize route selection.

Implement automated interactions with SMS/800.

Measure highly enriched network CDR and performance data to enhance analysis results and visibility.

Model — Routing Policy Management
Implement — SOMOS — Network Control
Measure — Call Detail Processing

- Continuously generate network, cost, capacity, quality and profitability metrics from data collected and enriched from service provider and industry data feeds, ("Foundation Data.")
- Track key metrics in multiple dimensions - by network, carrier, trunk, customer, TFN, and various LERG artifacts.
- Visually model side-by-side scenarios to explore the financial and network impacts due to changing inputs, as compared to actual 'live' network metrics.

Business Intelligence and Analytics

URS Business Intelligence presents summarized dashboard views, with the ability to drill down into details and insights into what needs attention *now*.

- Visualize trends and anomalies impacting network and financial performance.
- Distribute information to business stakeholders to increase transparency and data-driven decision making.

Network Outage Management and Service Protection

Route around network problems without impacting cost savings - and quickly restore routes once outages are resolved. The URS workflow applies guardrails to protect against routing violations.

- Updates routing templates quickly - to address service outages
- Modifies multiple templates at once with a single directive, such as: "take carrier x out of routing for all templates in LATA 133 for Wireless codes"
- Supports network operating center (NOC) workflows
- Guardrails enforced to prevent re-direction of traffic to the wrong carrier
- Restores routing to a prior version - or to an optimized routing plan

Third Party RespOrg Hosting

URS capabilities can be extended to third party RespOrgs in a safe and controlled environment, with monitoring features that provide protection against contract violations.

Universal Routing Solution
TOLL-FREE
KEY BENEFITS

Precision toll-free routing optimized for cost, capacity, quality, and profitability.

Streamlined User Experience

- Gain intelligent automation through enhanced 'Power User' in-line workflows that align with standard practices.
- Experience significant improvements in efficiency, repeatability, and scale.

Business & Regulation Compliance

- Manage the most complex routing policies with user-configurable rules.
- Ensure every routing decision is optimized with built-in analytics and expertise.

Cost Optimization

- Optimize toll-free traffic costs and reduce operational burdens.
- Achieve unprecedented visibility into Toll-Free routing cost structures.

Workflow Optimization

- Address the most common and demanding routing situations with "Power User" operational workflows.
- Support both Toll-Free and 1+ outbound routing optimization with one set of operational workflows.

Actionable Analytics

- Improve alignment and communication across company stakeholders on service and network performance using easy-to-understand dashboards.
- View and analyze trends, anomalies and much more.
- Identify financial and network impacts based on traffic shifts, cost drift, or misrouted, non-conformant and indeterminate traffic.

Network Management

- Address service outages with surgical precision, without impacting route optimizations elsewhere in the network.
- Enforce guardrails to prevent redirection of traffic to unintended carriers.
- Restore routing back to the optimized route plan (or another prior version) whenever needed.
- Monitor third-party hosted RespOrgs to maintain compliance with business contracts.

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TEOCO is a leading provider of analytics, assurance and optimization solutions to over 300 communication service providers worldwide.

Many of the world's leading service providers depend upon TEOCO to provide reliable, innovative solutions to manage their network routing and related costs.

We have a demonstrated track record of delivering customer value in the form of high-precision routing, multi-million-dollar cost savings, operational efficiency enhancements and overall customer satisfaction based on long-term collaborations.

TEOCO's solutions enable CSPs to digitally transform their network, improving quality-of-service and the customer experience, while also reducing operational costs.
Through advanced analytics, TEOCO products provide actionable and measurable insights into network and customer behavior. This includes the optimization, effective monetization, and delivery of new and existing services, such as 5G.

Our commitment to network flexibility and agility makes TEOCO the obvious choice for CSPs looking to maximize the revenue potential of 5G investments and capitalize on new opportunities tied to the emerging Internet of Things (IoT).

Global Footprint

Extensive Portfolio

Proven Solutions

"TEOCO is bridging the gap between operations functions, particularly traditional engineering, planning and network optimization, and the business-defining monetization functions of revenue generation, customer experience, and margin management. Stratecast believes this makes TEOCO a company to watch."

- Stratecast, Frost & Sullivan