A well designed steering of roaming strategy can help to ensure the capture of profitable roaming revenue from visiting subscribers, in accordance with the IOT agreements you have with your roaming partners. RoamPulse™ can help ensure your steering of roaming strategy is working to bring inbound roaming revenue.
Some of the challenges facing VPMNs include being able to rapidly detect changes in traffic patterns. How can you determine if lower update location success rates are due to steering, or to some other operational problem which you need to investigate? You need to be able to assemble and analyse all of the data quickly, to confirm whether there is a trend emerging.

**MEETING THE CHALLENGES**

RoamPulse™ gives you on-demand, real-time dashboards and reports, letting you filter data according to commonly used steering causes. The platform will quickly show you if the lower percentages in success rates are due to steering. If so, you can then take steps to alleviate any long-term decrease in margins and roaming revenue by letting your roaming partners know instantly.

**The benefits of RoamPulse™:**
- On-demand, real-time dashboards and reporting
- Advanced filtering features
- Timely information to help you contact your appropriate roaming partners before potential margin losses
- The chance to identify drop-off traffic volume before losing control of your roaming revenue

**STEERING PLATFORM PERFORMANCE**

The example shows how RoamPulse™ can detect UMTS issues after filtering out UMTS steering messages, in order to monitor steering platform performance.

**Challenge using SS7 steering:**
If the steering platform is sending an error message to the serving network, you won’t be able to detect network roaming performance. That means whenever the serving network has an issue and you need to turn off steering, the roamer will not be able to register and use the service.

**Problems solved with RoamPulse™:**
- Monitors error message counts for only outbound roaming traffic, excluding the steering platform traffic by excluding the GT node from the analysis in a particular period of time
- Makes a comparison with historical trends, based on the same conditions, to compare performance before and after the issue was raised and resolved

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**RoamPulse™ will quickly show you if the lower percentages in success rates are due to steering.**
RoamPulse™ is a cloud based, fully managed service for SS7 and Diameter traffic, captured and processed on hosted Tata Communications infrastructure. It perfectly complements the Tata Communications broader solution for LTE roaming.

INTEGRATING ROAMPULSE™ INTO THE BROADER LTE ROAMING ENVIRONMENT

RoamPulse™ easily integrates with Tata Communications broader solution for LTE roaming. This combines the Tata Communications’ Diameter Signalling eXchange (DSX) platform together with IPX Connect service for 3G/4G data roaming. Tata Communications’ LTE roaming service provides a unified LTE roaming solution for subscriber mobility management, authentication (S6), policy control (S9), and payload transport (S8) between your network and your roaming partners.

Tata Communications delivers a complete solution for LTE roaming migration, supporting 2G, 3G and 4G roaming within a single solution framework that addresses signalling, routing, inter-working, transport, business intelligence, security and service assurance for successful LTE roaming launch.

ROAMPULSE™ – ONE TOOL FOR ALL YOUR ROAMING NEEDS

Tata Communications’ RoamPulse™ provides integrated, real-time intelligence for service continuity with a single tool for all your roaming interfaces. It delivers the right intelligence to make timely decisions about the effectiveness of your steering strategy, with the flexibility to customise KPIs to reflect your requirements.

RoamPulse™ is a hosted and managed service backed by Tata Communications’ extensive experience serving mobile network operators for signalling and roaming.

For more information, visit www.tatacommunications.com
At Tata Communications, we do more than just lead the way in communications technology; we also offer forward-thinking ways of doing business. We can create the commercial model to suit your business, taking into account everything from managing capital costs to scaling capacity in line with your growth. Every day we’re working to increase our network capacity, capabilities, and services to benefit our customers.

Over the past decade, we have evolved from a wholesale service provider serving the Indian market to a leading provider of A New World of Communications™ to enterprise customers and service providers worldwide. We are a global company with roots in emerging markets: headquartered in Mumbai and Singapore, we have 8,000 employees across 38 countries. We are committed to acting ethically and responsibly. Two-thirds of the equity of our holding company is held by philanthropic trusts that have created national institutions for science and technology, medical research, social studies and the performing arts. The trusts also provide aid and assistance to NGOs working in education, healthcare and livelihoods.

We are the world’s number one provider of international wholesale voice services, facilitating over 53 billion minutes per year. And we own and operate one of the most advanced and largest subsea cable networks, including the only wholly-owned fibre ring around the world, enabling customers and partners to reach 99.7% of the world’s GDP, with connectivity to more than 200 countries and territories across 400 PoPs, as well as 1 million square feet of data centre and collocation space worldwide.