

The background is a vibrant, abstract composition. It features a world map where the continents are represented by dense clusters of small, glowing dots. These dots are interconnected by a network of thin, white lines, suggesting global connectivity and data flow. The overall color palette is dominated by deep purples, magentas, and pinks, with a warm, orange-red glow emanating from the top right corner, creating a sense of depth and energy.

# Real-time Voice Intelligence for Carriers & Interconnect

**Anritsu**  
Advancing beyond

## Executive Summary

“ With Real-time Voice Intelligence we can quickly identify carrier-specific issues. We can tell if the Network Effectiveness Ratio or Answer Seizure Ratio changes, in an instant. ”

Service Operations Centre Manager - European T1 Operator



“ When our wholesale team changes the steering policies, we can see, monitor and validate those changes in real time. ”

Interconnect Core Team  
European T1 Operator

Anritsu's Real-time Voice Intelligence for Carriers & Interconnect provides visibility of critical carrier and interconnect metrics in real time.

### Meaningful KPIs

Instant visibility of key voice KPIs:

- Network Effectiveness Ratio (NER)
- Answer Seizure Ratio (ASR)
- Call Volumes

### Custom Filters

Filter across multiple dimensions:

- Network Element
- Calling/Called Party
- Trunk Information
- SIP Release Cause
- NER / ASR / Volume Trend

### Instant Drill Down & Troubleshooting

Instant drill to detailed evidence dashboard showing causes, trends and traces with jumps to deeper troubleshooting tools.

### Instantly Readable Dashboard

Dashboard showing only live incidents in real time highlighting carriers and destinations requiring immediate attention.

### Custom Thresholds

Define custom alarm thresholds per:

- KPI
- Carrier
- Called Destination

### Smart Alarming

Prevents single phone numbers from generating alarms.

# Overview

Real-time Voice Intelligence is a low-footprint, must-have solution designed to optimise carrier management and routing policies in telecom networks. It delivers real-time insights and comprehensive monitoring, providing network operators with a dynamic toolset for troubleshooting, performance analysis, and decision-making.

The screenshot displays a dashboard with six data tables arranged in a 2x3 grid. Each table shows carrier performance metrics across various destinations and time intervals. The metrics include NBR [%] and ASR [%], with values color-coded in green (good) or red (poor). The tables are titled as follows:

- Carrier - National - Fixed - INCOMING
- Carrier - National - Mobile - INCOMING
- Carrier - International - INCOMING
- Carrier - National - Fixed - OUTGOING
- Carrier - National - Mobile - OUTGOING
- Carrier - International - OUTGOING

Each table has columns for Carrier, Destination, Time Interval, NBR [%], and ASR [%]. The data is presented in a grid format with rows for different carriers and destinations.

## Benefits

### Improved Efficiency

By providing actionable insights and detailed filtering options, Real-time Voice Intelligence enables Carrier and Interconnect teams to monitor and optimise routing policies, troubleshoot new carriers or links, and manage upgrades seamlessly.

### Reduced Response Times

Faster data delivery and auto-refresh features reduce mean time to resolution (MTTR) for network issues which are clearly highlighted and prioritised on the dashboards.

### Enhanced Decision-Making

The solution provides tailored dashboards for monitoring network performance and identifying problematic carriers or destinations, aiding in proactive network management.

### NOC/SOC Friendly

Real-time, 24x7 monitoring with full integration into Anritsu's troubleshooting solution suite for faster issue resolution.

## Value

Real-time Voice Intelligence represents a significant leap forward in carrier management, delivering the speed, accuracy, and depth required by modern telecom operators. It ensures robust network performance, reduces operational inefficiencies, and supports strategic planning, making it an invaluable tool for Tier 1 operators and beyond.

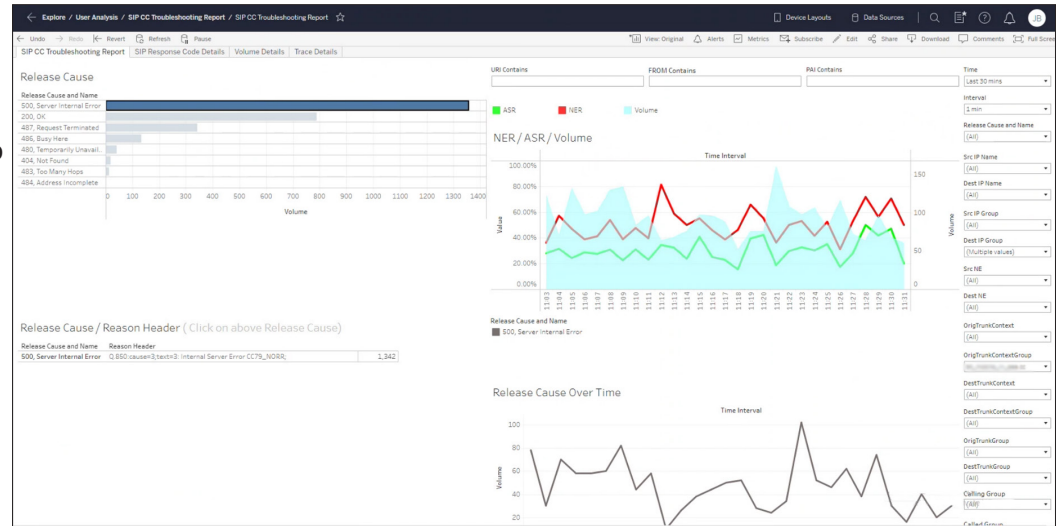
“

With Smart Alarming, we know that the alarms generated by the system are to be taken seriously.

”

# Additional Screenshots

## SIP Troubleshooting



## SIP Response Codes

The screenshot displays the 'SIP Response Code Details' interface. It features a table with columns: 'Originating Trunk', 'Destination Trunk', 'Source IP Name', 'Destination IP Name', 'Called Group', and 'Calling Groups'. The table lists various response codes and their associated details. The right sidebar contains filters for 'Time', 'Interval', 'Src IP Name', 'Dest IP Name', 'Src IP Group', 'Dest IP Group', 'Src NE', 'Dest NE', 'OrigTrunkContext', 'OrigTrunkContextGroup', 'DestTrunkContext', 'DestTrunkContextGroup', 'OrigTrunkGroup', 'DestTrunkGroup', 'Calling Group', and 'Called Group'.

## Trace Details

The screenshot displays the 'Trace Details' interface. It features a table with columns: 'PartID', 'Src IP Name', 'OrigTrunkContexts', 'Dest IP Name', 'DestTrunkContexts', 'Dest...', 'Calling Party', 'Called Party', 'Release Cause and Name', 'Reason Header', and 'Warning'. The table lists various trace details and their associated information. The right sidebar contains filters for 'Time', 'Interval', 'Src IP Name', 'Dest IP Name', 'Src IP Group', 'Dest IP Group', 'Src NE', 'Dest NE', 'OrigTrunkContext', 'OrigTrunkContextGroup', 'DestTrunkContext', 'DestTrunkContextGroup', 'OrigTrunkGroup', 'DestTrunkGroup', 'Calling Group', and 'Called Group'.

“ It immediately identifies any voice carrier-specific issues for us relating to NER and ASR, and I love that I can see the trend for the past twenty minutes, too. That really helps my decision-making. ”

Service Operations Centre Manager - European T1 Operator

# Anritsu

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