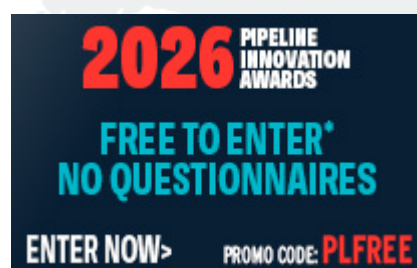


- Past Issues
- News Center
- Research Center
 - Webinars
 - Events
 - Sponsors
 - Members

FEATURED SPONSOR:



IN THIS ISSUE

Enterprise Network Security
Always-On Mobile Risks
Quantum Security & Q-Day
Pillars of Network Assurance
SMB Cybersecurity Risks
National Fraud Protection
Agentic AI for Cybersecurity
Cybersecurity as a Service
Security for GenAI & Agentic AI
Competitive Fraud Prevention
Letter from Editor
Telecom & Technology News
Article Index



PL

FLAWS IN ENTERPRISE NETWORK SECURITY

ALWAYS-ON **MOBILE RISKS**

QUANTUM SECURITY

PREPARING FOR Q-DAY

WITH:

NOKIA

3RD PARTY

SMB VENDOR RISKS

CLOSING AI **SECURITY GAPS**

SOC AS A SERVICE

AI SECURITY & ASSURANCE

COMPETITIVE FRAUD STRATEGIES



7

PILLARS OF NETWORK ASSURANCE

NATIONAL FRAUD PREVENTION & COLLABORATION

SECURITY

NEWSWIRE

LATEST UPDATES

ADVANCED ANALYTICS

WEBINAR:

A Dynamic Panel Discussion
Featuring Industry Leaders

[PARTICIPATE](#)



Pipeline

The Impact of Transformation



A Dynamic Panel Discussion
Featuring Industry Leaders

[VIEW](#)



Pipeline

Research Center

- Promote Content & Collateral
- Target-market Visibility
- SEO Optimized
- Capture Sales Leads

[UPLOAD ASSETS](#)

Pipeline



Be Recognized as a
Top Industry Innovator



EXCLUSIVE
SPONSORSHIP
PACKAGES
AVAILABLE

Hyperinteractive Ads

- Targeted
- Perpetual
- Extensible
- Hyperinteractive
- Capture Opportunities

[PLACE YOUR ADS NOW](#)

Pipeline

Dynamic Webinars

- Superior Quality
- Engage Buyers
- Extensive Lead Gen
- Expert Moderation
- Speaker Support
- Advanced Platform

[REQUEST WEBINAR INFO](#)

Pipeline

Memberships

- Unlimited Services
- Best Pricing
- Elevated Visibility
- Direct Access

[BUILD YOUR PACKAGE](#)

Pipeline

The Network Transformation Imperative

A Dynamic Panel Discussion
Featuring Industry Leaders

[VIEW](#)



Pipeline

Pipeline Video Services

- On-site Videos
- Animation and Whiteboard
- User Interface Demonstrations
- Editorial Interviews

[GET STARTED >>](#)

Pipeline

Pipeline WEBINAR

Leverage *Pipeline* to
Expand Your Brand &
Your Thought Leadership

Ads

Editorial

Events

Awards

Branding

Memberships

News

Webinars

Research

[WATCH VIDEO NOW](#)



Not for distribution or reproduction

Pipeline
MARKET RESEARCH

**CUSTOM RESEARCH
REPORTS & SURVEYS**

LEVERAGE THE
COLLECTIVE KNOWLEDGE
OF THE GLOBAL MARKET

GET PRICING & DETAILS

HOW TO
BE INCLUDED IN *PIPELINE*

CLICK HERE ►

Pipeline Video Services

- On-site Videos
- Animation and Whiteboard
- User Interface Demonstrations
- Editorial Interviews

GET STARTED >>

Pipeline

**Check Out the
Latest Content**

- Whitepapers
- Webinars
- Articles
- Case Studies
- Videos
- Surveys

READ NOW >>

Pipeline

CONNECT WITH US

[Follow @PipelineWire](#)

[Back](#) [More](#)

Latest Issues





[Advertising Placements](#)

[Sponsor Articles and Issues](#)

[View More Issues](#)

TRENDING NEWS

Cloudflare Collaborates with Leading Payments Companies

[Full Story>](#)

Cloudflare Channel Business Accelerates

[Full Story>](#)

Nokia and CNT Launch First 5G Network in Ecuador

[Full Story>](#)

Oracle and AMD Expand Partnership

[Full Story>](#)

Oracle Launches Fusion Applications AI Agent Marketplace

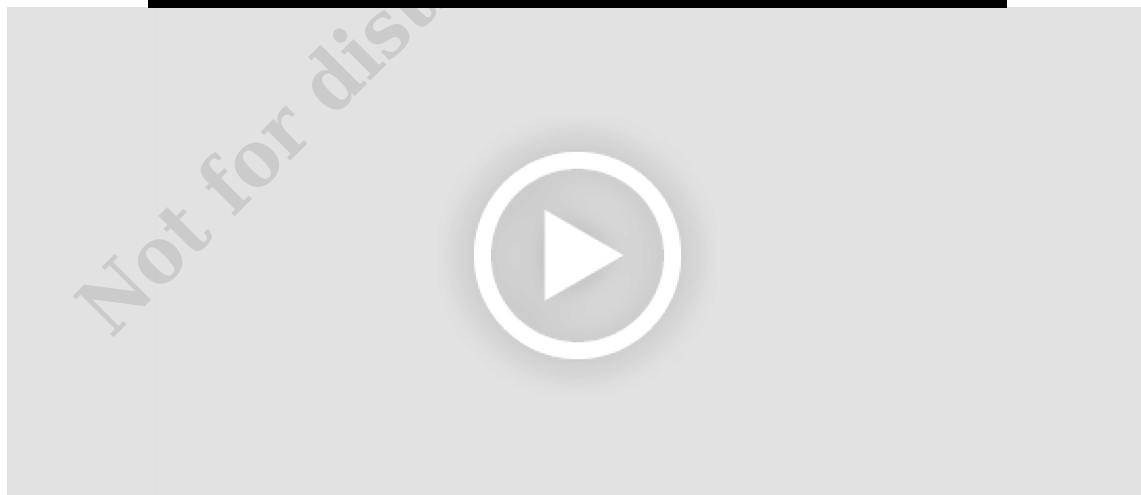
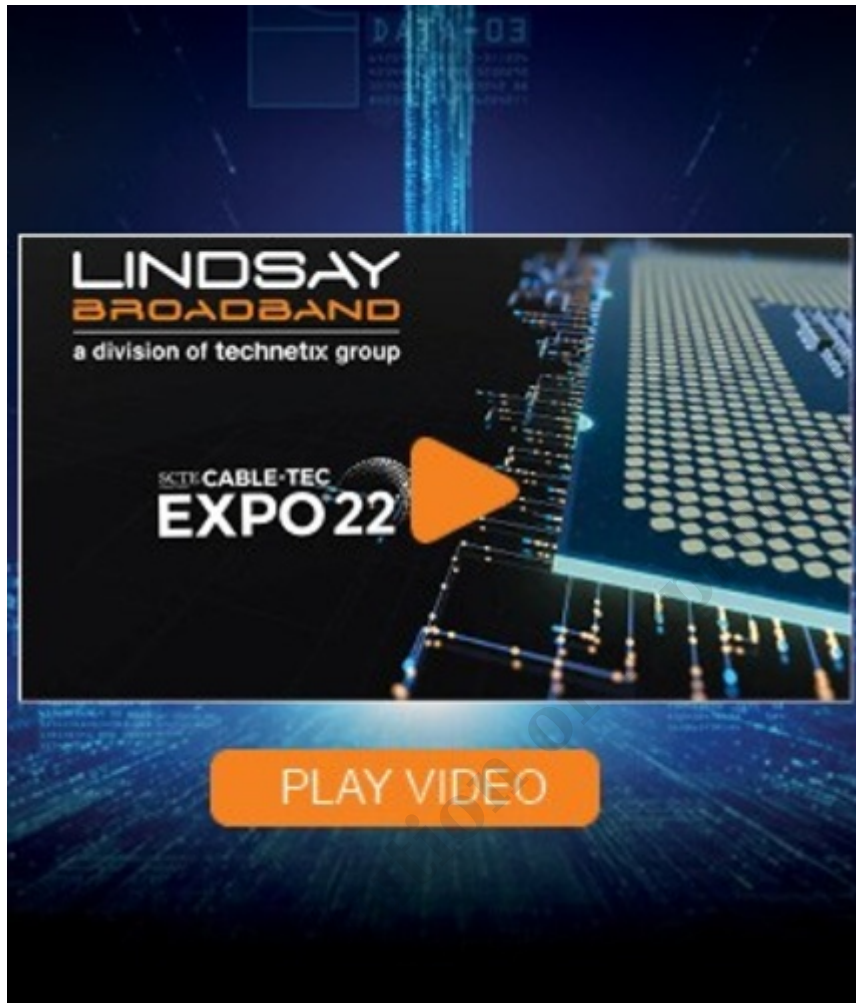
[Full Story>](#)

Oracle Announces AI Assistant and New AI-Powered Features

[Full Story>](#)

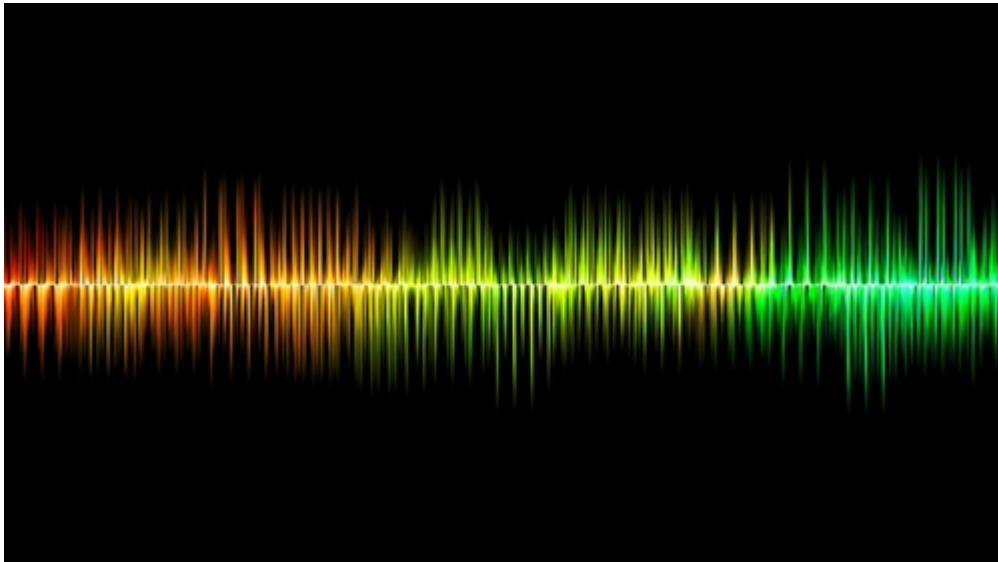
[View More News](#)

Featured Content



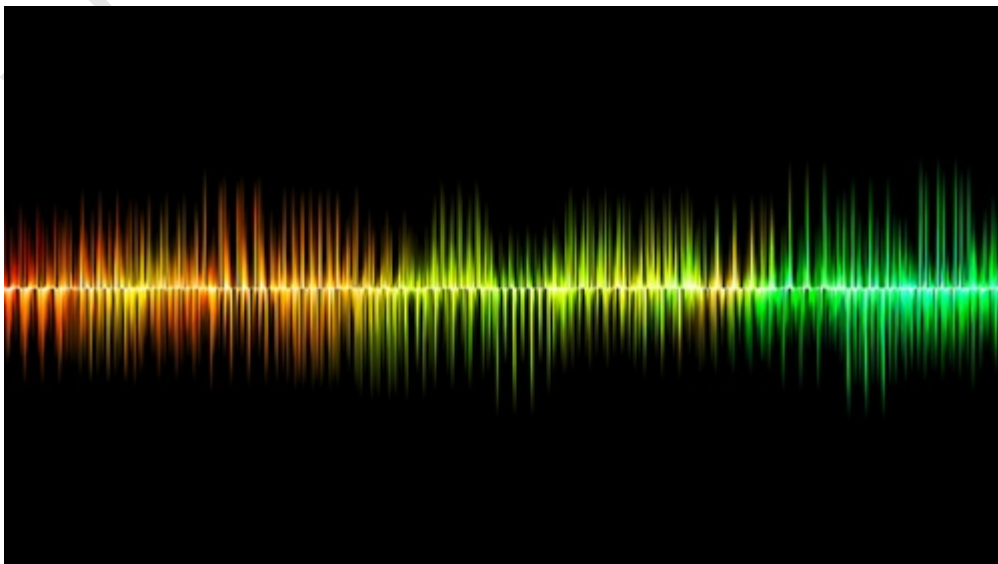
End-to-End Solutions for Broadband Networks

In case you missed Lindsay Broadband - a division of Technetix group at the SCTE Cable-Tec Expo, this video highlights the must-have, end-to-end solutions for your network.



Predicting Colonial Pipeline: Mitigating Risk and Compliance

Mitigating risk and compliance for lawful intercept using lawful intelligence is explored in this Pipeline article feature SS8. Learn how CSPs can comply with lawful intercept regulation, while empowering law information with critical, real-time data.





Podcast: The Evolution to 6G

The world's eyes are already looking forward to the potential of 6G. Demands resulting from innovative use cases, for instance specific requirements from different industries and other user groups, as well as overarching goals like sustainability, are driving the standardization and development of mobile technologies.

[Request Video](#)

[View More Videos](#)

Latest Webinars

Previously live

IT Ukraine Association

JEVERA software solutions

23 NOV 2023
4PM EET
online

Discover how to mitigate risks of 2024

**“DIGITAL TRANSFORMATION
FOR TELCOS: A 101 GUIDELINE”**

The Impact of Transformation

*A Dynamic Panel Discussion Featuring
The Industry's Top Thought Leaders*



© 2018. All rights reserved.

The Network Transformation Imperative

*A Dynamic Panel Discussion Featuring
The Industry's Top Thought Leaders*



© 2008. All rights reserved.

Agile Architecture for Digital Innovation

A Dynamic Panel Discussion Featuring
The Industry's Top Thought Leaders



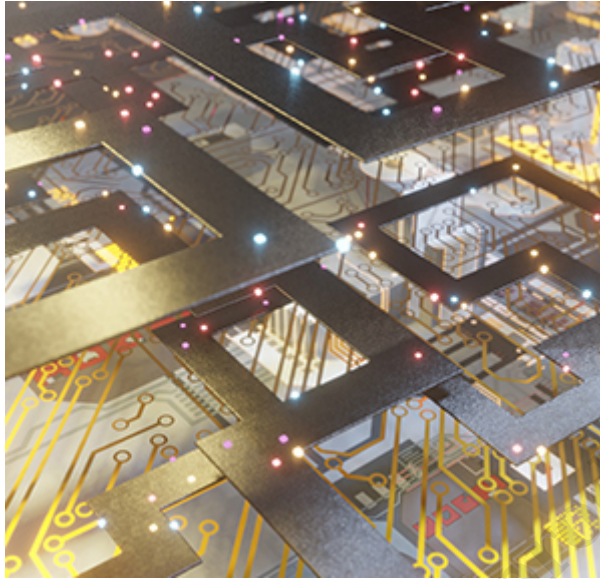
© 2007 All rights reserved.

[Participate in Webinars](#)

[Join Next Webinar](#)

[View More Webinars](#)

Latest Articles



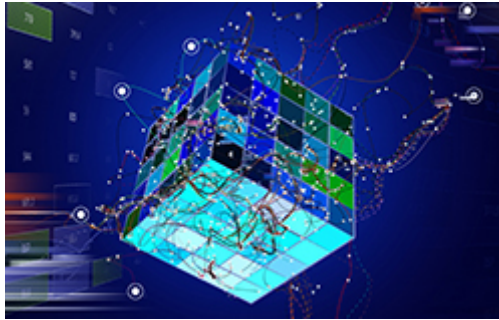
Enterprise Network Security

[Order Article](#) [Reprint](#) [Read More](#)



Always-On Mobile Risks

[Order Article Reprint](#) [Read More](#)



Quantum Security & Q-Day

[Order Article Reprint](#) [Read More](#)



Pillars of Network Assurance

[Order Article Reprint](#) [Read More](#)

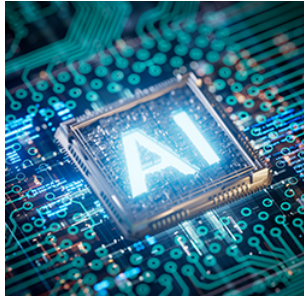
[Sponsor Articles](#)

[Advertising Placements](#)

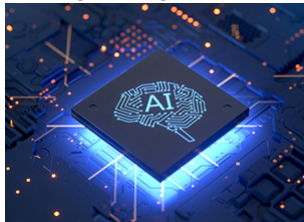
TRENDING ARTICLES



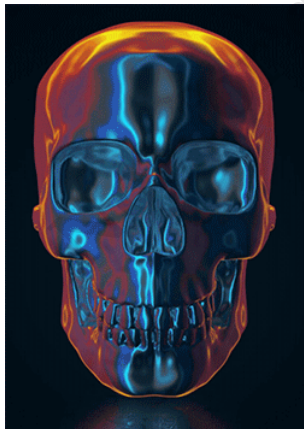
Telecom & Technology News



Reducing AI Cognitive Friction



AI for Unified Communications

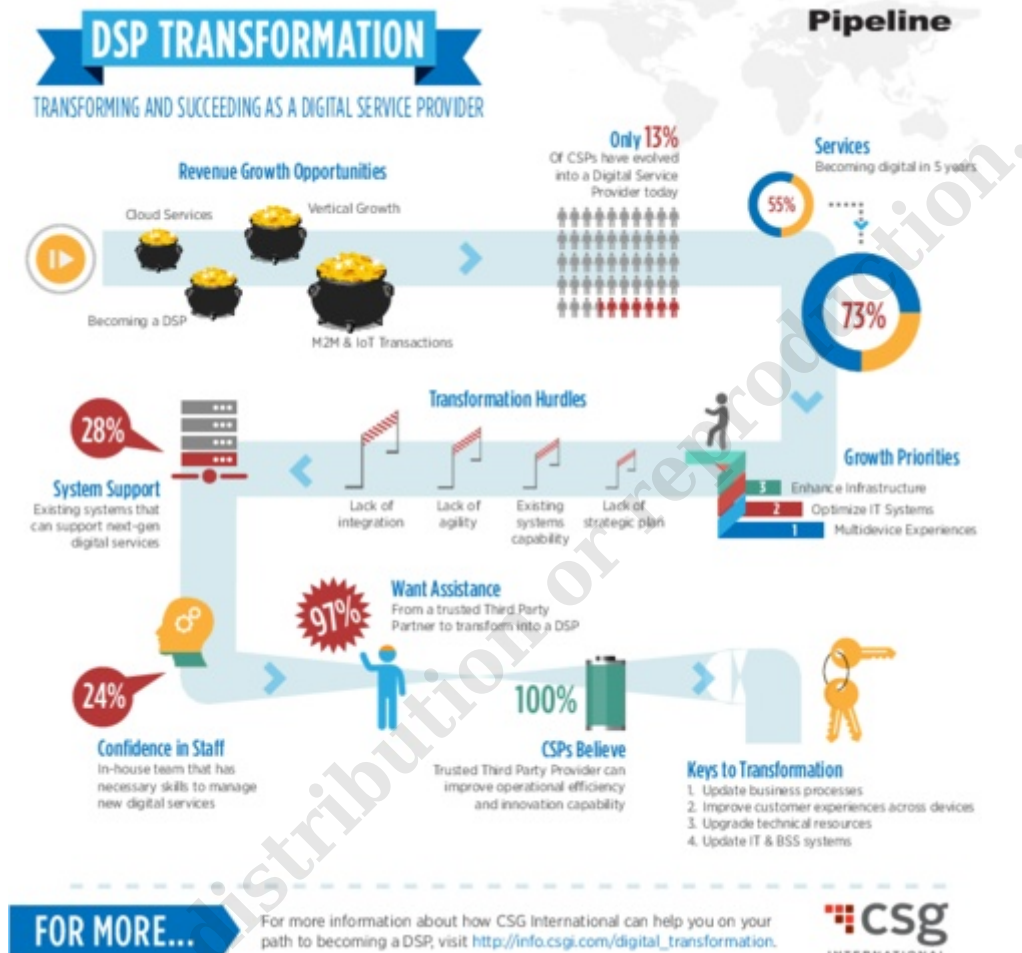


Letter from the Editor



AI & Programmable Networks

Other Featured Content





Case Study: MVNO Integration

PROJECT
MVNO integration

SITUATION
A converged provider, desiring to offer wireless services to its customers, acquired the regional subscribers of a national provider. This effort required the conversion of approximately 35,000 subscribers as well as the MVNO integration to this national provider to support these customers as well as add new customers.

CHALLENGE
Provide a business-to-business MVNO integration from the first provider's system to other provider's system, with a complex, in-store conversion procedure for handset swaps.

RESULTS

- Cycle30 designed and integrated a complete order-to-cash business integration to support the MVNO offering
- Solution included direct order-entry integration, provisioning and LNP integration as well as end customer and wholesale billing integration and reconciliation
- Conversion process involved a challenging, in-store manual conversion and phone swap with an average customer handling time of 35 minutes
- Project finished in six months with a complete system for ordering, provisioning and billing
- 35,000 subscribers converted within six-month timeline with less than two percent attrition

Cycle30 | 710 2nd Avenue, Suite 1200 | Seattle, WA 98104 | Cycle30.com | 1-877-628-5455
© 2010 Cycle30 Inc. All Rights Reserved.

0149810



Omnia360™ Product Bulletin

PLATFORM

- Centralized Customer Management
- Dynamic Product Catalog
- Powerful Business Analytics
- Market Leading CRM

MODULES

- Account Management
- Billing
- Product Catalog
- Case Management
- Order Capture & Management
- Financials
- Service Activation
- Dashboards
- Facilities Management
- Sales & Marketing
- Capital Credits



- **Improve Monetization Opportunities** with a unified customer view and increased pipeline visibility.
- **Simplify Business Systems** with a complete, pre-integrated back office solution.
- **Elevate Customer Experience** with consistent customer interactions.

A dynamic, pre-integrated billing and CRM solution that brings together your entire business ecosystem.

Omnia360 transcends traditional billing platforms with a complete "out-of-the-box," pre-integrated customer relationship management and billing solution. Available as a fully-hosted cloud-based solution or on-site license subscription, our next-generation solution empowers communications service providers (CSPs) with a client-centric model for service differentiation and rapid deployment of new services, especially within the Enterprise space.

Leveraging Microsoft Dynamics® CRM, Omnia360 best-of-breed software platform delivers a comprehensive, turn-key back-office solution for CSPs to monetize new untapped revenue opportunities.

Centralized Customer Management

Omnia360 provides a holistic view of your customers. Within a single screen, service providers can view all billing, accounts receivable, orders, and service details. Our solution helps drive operational efficiencies by empowering you to enforce business-specific rules, create custom fields, and even integrate third-party applications with simple point-and-click customization.

Dynamic Product Catalog

Omnia360 delivers a dynamic, centralized product catalog enabling the selling and fulfillment of next-generation products and services, such as cloud services, productivity solutions, unified communications, and Voice over IP products — all while enabling traditional voice, video, and data products. This unlimited product flexibility capability helps optimize sales accuracy while reducing the time it takes to complete the entire concept-to-cash cycle.

Powerful Business Analytics

It is critical for management to be able to monitor business performance. Omnia360 maintains a single scorecard that covers sales, marketing, and customer service. Thanks to the minute information provides in-line charts with drill-down intelligence to visualize service data, identify trends, and uncover new insights.

Market-Leading CRM

Combine the familiar Microsoft® Office-fluent user interface with powerful CRM software to maximize marketing effectiveness, win more sales, and enrich customer service interactions. Leveraging the power of Microsoft Dynamics® CRM, marketing and sales professionals are equipped with flexible segmentation tools, simplified campaign management capabilities, lead-to-cash visibility, real-time sales forecasts, and much, much more. Customer service specialists are empowered with tools that simplify case management, streamline escalations, improve knowledge sharing, and enable more effective account management, all while helping to contain service costs.

WITH CHR, THE POSSIBILITIES ARE ENDLESS!

call: 713.355.5111 • email: info@CHRSolutions.com • visit: www.CHRSolutions.com



Performance Management Framework for Mobile Workforce Management and Field Service

Using Metrics and Analysis for Continuous Improvement

Balancing Customer Satisfaction & Efficiency • Enabling Continuous Improvement & Differentiation

Use Semantics to Deliver Flexible Service Management and Avoid the Risks of OSS/BSS Transformation



by Arviden Sæviak | April 2009

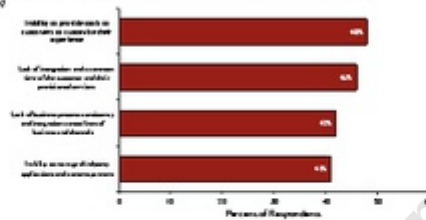
Executive Summary

The customization and convergence of services across application silos and disparate networks are critical to communications service providers (CSPs) aiming to provide innovative services, reduce customer churn and drive average profitability per user. CSPs realize that providing innovative services is not enough; it is critical to offer end users customized services with consistent and flawless quality of service (QoS), which is impossible without an end-to-end unified customer- and service-level view. This is where most service providers falter. Our research clearly points out the glaring problems that exist with most service providers' back-office OSS/BSS systems, which are typically complex, disjointed and lack the agility necessary to present a coordinated 360-degree customer-centric view. In a recent global CSP survey conducted by Yankee Group, more than 60 percent of surveyed global CSPs agreed that improved customer experience is directly linked to improved ARPU.

Most service providers take a top-down approach to express customer and service views. However, they often adopt a service model that in most cases does not capture the complexity of misaligned as well as heterogeneous underlying infrastructure. Only when the relationships among underlying systems, services and customers are mapped out of the infrastructure is it possible to achieve the goal of traditional service modeling. Therefore, what is needed today is a bottom-up approach that looks at how existing systems map to existing customers instead of a more traditional top-down approach.

CSPs have invested billions to streamline and modernize their OSS/BSS infrastructure to achieve the agility required to see all of their assets in one view, which in most cases has failed to deliver the desired service-level transparency. Exhibit 1 illustrates the critical factors inhibiting CSPs from being competitive and delivering innovative services to customers. Not surprisingly, the inability to have a common view of customers, lack of customized service delivery and business process inconsistency are the top factors that hamper as service providers from rolling out innovative services.

Exhibit 1:
Critical Factors Inhibiting CSPs from Being Competitive and Delivering Innovative Services
Source: Yankee Group, 2009



In light of current economic challenges, it is clear that telecom service providers are squeezing their capex budget to align with lower revenue growth expectations. Hence, although a unified end-to-end service model remains on top of their priorities to instead of full-scale and expensive transformation exercises, CSPs and managed service providers are looking for an alternative low-risk, incremental path toward a unified service model. In this report, we look at CSPs' current operational issues, take a deep dive on a unique, alternate semantics-based approach toward achieving a unified virtual service model, and investigate how such an approach can enable customer centricity by solving the problem of siloed infrastructure data.

This custom publication has been sponsored by Oracle Systems.

© Copyright 2009, Yankee Group Research, Inc. All rights reserved.

**YOU
HAVE THE
VISION
to grow your
infrastructure,
WE
HAVE THE
RESOURCES
to bring it
to life**



Looming deadlines, limited resources and a fiercely competitive market make it difficult to complete your wireless network. By outsourcing your **ENGINEERING, FURNISH AND INSTALLATION (EF&I)** we'll ensure the job is done right and on time.

CHR's experienced engineering and technical teams combined with our multi-vendor relationships and decades of regulatory experience ensure a successful integration of your wireless system - everything from site acquisition to optimization.

- Network architecture and design
- Multi-vendor management and procurement advantages
- Logistics and support (Rack and Stack)
- Implementation and training
- Regulatory and finance
- FTTH, IP and IPTV specialties
- 4G wireless core and site acquisition/turn up



713.351.5111 • info@CHRSolutions.com • www.CHRSolutions.com

**Integrating to Mediaroom: Using
Media(n) to Simplify the Experience
A White Paper**

Document Version: 1.0

Date: July, 2011

Author: Fredel Thomas, Director of Product Management



©Copyright 2011 CHR Solutions, Inc. All rights reserved.



Omnia360™ (powered by Microsoft Dynamics® CRM)

product bulletin

Next Generation Billing and CRM

Omnia360 transcends traditional billing and relationship management with a complete 'out-of-the-box', pre-integrated customer relationship management and billing solution. Available as a fully-hosted cloud-based solution, managed service or on-site license subscription, this next generation solution empowers communications service providers (CSPs) with a client-centric model for service differentiation and rapid deployment of new services, especially within the Enterprise space.

Leveraging Microsoft Dynamics® CRM, Omnia360 best-of-breed software platform delivers a comprehensive, turn-key back office solution for CSPs to monetize the largely untapped revenue opportunities.

Centralized Customer Management

Omnia360 provides a holistic view of your customers. Within a single screen, service providers can view all billing, accounts receivable, orders and service details. The solution helps drive operational efficiency by empowering you to create custom fields, enforce business-specific rules, and even integrate third-party applications with simple point and click customization.

Dynamic Product Catalog

Omnia360 delivers a dynamic, centralized product catalog enabling the selling and fulfillment of next generation products and services such as cloud services, productivity solutions, unified communications and Voice over IP products—all while enabling traditional voice, video and data products. This unlimited product hierarchy capability helps optimize sales accuracy while reducing the time it takes to complete the entire lead-to-cash cycle.

Powerful Business Analytics

It is critical for management to be able to monitor business performance. With Omnia360, management maintains a single scorecard that covers sales, marketing, and customer service. This up-to-the-minute information provides inline charts with drill-down intelligence to visually navigate data, identify trends, and uncover new insights.

Market Leading CRM

Combine the familiar Microsoft® Office fluent user interface with powerful CRM software to maximize marketing effectiveness, win more sales, and enrich customer service interactions. Leveraging the power of Microsoft Dynamics® CRM, marketing and sales professionals are equipped with flexible segmentation tools, simplified campaign management capabilities, lead-to-cash visibility, real-time sales forecasts, and much, much more. Customer service specialists are empowered with tools that simplify case management, streamline escalations, improve knowledge sharing, and enable more effective account management, all while helping to contain service costs.

- **Improve Monetization Opportunities**
with a unified customer view and increased pipeline visibility
- **Simplify Business Systems**
with a complete, pre-integrated back office solution
- **Elevate Customer Experience**
with consistent customer interactions

ph 713.351.5111

email info@CHRSolutions.com

CHRSolutions
.com

Reports

Prepared for Progress Actional
February 2009

**The Total Economic Impact™ Of
Progress Actional Management For
Interconnected Applications**

Implemented by a communication and media service
provider

Project Directors: Paul Devine and Sebastian Seihorst



Headquarters
Forrester Research, Inc., 400 Technology Square, Cambridge, MA 02139 USA
Tel: +1 617 613 2000 • Fax: +1 617 613 3000 • www.forrester.com

Brochures



Network Automation Blueprint

A best practice reference architecture for achieving secure & reliable digital services



ZPESYSTEMS.COM +1.844.4ZPESYS

Brochures

COLLECT. MONITOR. ANALYZE. VISUALIZE.

Actionable Intelligence for a Safe,
Secure and Connected World

SS8 Networks provides the fastest and simplest way to collect, monitor, analyze, and visualize lawful interception data. For more than 20 years, we have been evolving and innovating to match the changing needs of Communications Service Providers (CSPs) and Law Enforcement Agencies (LEAs), while delivering comprehensive solutions that are easy to use and optimized for the best results.

Our solutions make analyzing, enriching and managing complex data sets simple, helping LEAs stop organized crime, catch criminals, and prevent terror attacks. For CSPs, we provide a trusted foundation for meeting regulatory requirements efficiently and effectively.

OUR SOLUTIONS

Compliance mediation
and interceptionLaw enforcement
monitoring center56 regulatory
complianceEnd-to-end Lawful
Intelligence systemComprehensive
data analyticsACTIVE IN
35
COUNTRIESCOVERING
1BN
SUBSCRIBERS70% MARKET SHARE
US&UKWe are the top provider in the US and UK for
Mediation and Monitoring platforms.8 OF 14
WORLD'S LARGESTWe work with
8 of the world's
14 largest
communication
service
providers.150 VENDOR
INTERFACESProvide network equipment interoperability with over
150 vendor interfaces to expedite deployment.

Brochures



FSP 3000 OLS

A versatile and truly open line system

5G and cloud-based applications offer enterprises, carriers and service providers enormous potential for growth. However, this continuous and rapid change also creates the need for more network capacity and flexibility. It's essential to build today's networks on an open, flexible and scalable optical layer ready to accommodate evolving demand and innovation. Featuring a fully modular and open design, our FSP 3000 open line system (OLS) provides complete versatility and best performance in metro, core and data center interconnect (DCI) applications.

Truly open

Open disaggregated optical networking is one of the industry's hottest trends. By decoupling terminal functions from the line system, this approach offers complete flexibility to adopt the latest technology when and where needed. Our FSP 3000 OLS is truly open, allowing total freedom to evolve and optimize each network layer separately. Network operators can leverage and expand their infrastructure at any time with the technology of their choice. What's more, with open and standard interfaces, our FSP 3000 OLS easily integrates into software-controlled networks.

Build your own OLS

Our FSP 3000 OLS empowers network operators to create the solution that meets their exact requirements. With a modular architecture, multiple amplification and multiplexing options, and different chassis sizes, our FSP 3000 OLS enables customized solutions. Operators can simply mix and match the optimum filters and amplifiers and pack them into the best-fitting shelf. This makes our FSP 3000 OLS ideal for any type of network infrastructure.

Future-proof investment

Coherent modulation schemes are becoming increasingly diverse to maximize transport network capacity and minimize the cost-per-bit of transport. Flexible terminals with variable modulation formats and baud rates enable highest capacity-reach ratio. The ultimate network performance relies also on line system capabilities, and that's why open line systems have increasingly become important strategic assets. With a combination of high-performance features, our FSP 3000 OLS transports any coherent modulation format as well as all varying signal baud rates with best performance. The high-resolution fingrid and modular architecture of our ROADM guarantee a future-proof OLS that can scale and accommodate any modulation format and baud rate. What's more, our FSP 3000 OLS provides a new level of flexibility with configurations able to support direct detect technologies.

Your benefits

- **Open hardware**
No technology or vendor lock-in; successfully tested in multi-vendor environments
- **Open programmable interfaces**
Easy integration into software-defined networks with open, programmatic APIs
- **For any type of network infrastructure**
Modular design with multiple filter and filter options to meet your exact requirements
- **Purpose-built components**
Amplifiers and filter options engineered for metro, core and DCI-specific demands, and optimum transport of latest innovation, e.g., 400ZR and high baud rates
- **Visualization and control**
Comprehensive monitoring and diagnostic tools, spectrum visualization and fiber surveillance
- **Eco design**
High-density design with low power consumption
- **Flexible footprint**
Chassis sizes from 1RU to 12RU, ETSI / data center rack, AC/DC power options



The Uplift Advantage

How firms in the communication industry have become smarter about contacting customers—and are driving results.

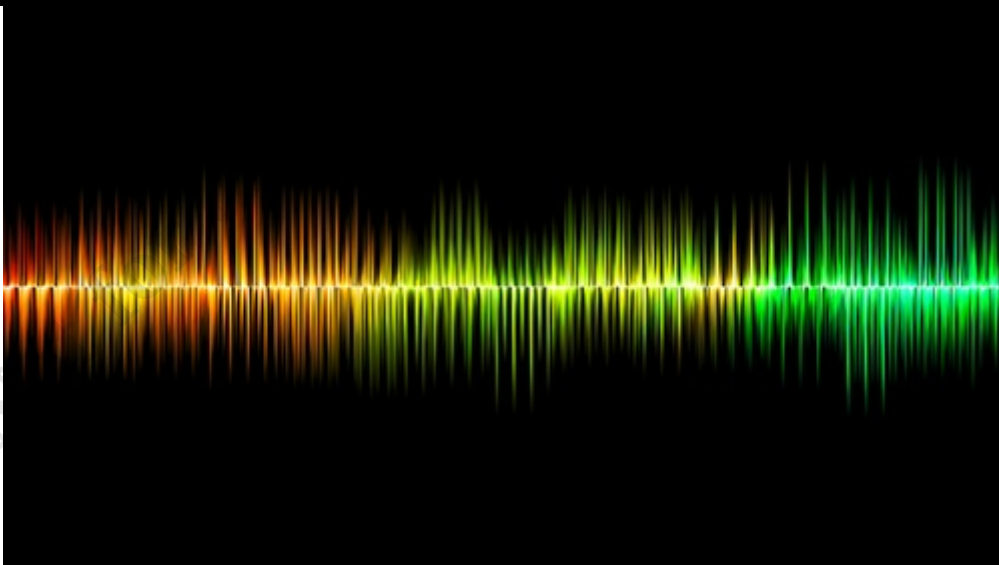
WHITE PAPER
COMMUNICATIONS

Patrick Surry, SVP, Customer Analytics • Pitney Bowes Software





info@sevone.com | www.sevone.com



White Paper

Common Language Drives Customer Value for All Network Technology: 5G/MEC and Virtualized Networking IncludedSponsored by: **icorectiv**Karl Whitebeck
January 2021**EXECUTIVE SUMMARY**

icorectiv TruOps Common Language was established to facilitate the service design and asset tracking needs of the operations and business management processes for prevailing and emerging network connectivity architectures. Common Language has been used by communications service providers for over 40 years.

Complexity from new technology evolution (e.g., network virtualization, private networks, hosted networks, 5G, multi-access edge computing (MEC), and the Internet of Things [IoT]) requires assets to be aligned with business and technical objectives to keep costs within expectations, address end-to-end (E2E) service objectives, support partner accountability, maximize interactive efficiency, and show business management responsibility. On the basis of its successful long-standing customer implementations and evolutionary approach to the network management processes, Common Language is expected to play a major role in the evolution and deployment of new facilities-based networks and the virtual aspects upon which these new technologies come to rely.

This paper explains how teams with network and partner-provided asset management responsibilities can achieve business value by maximizing the use of common nomenclature. In addition, the paper describes how a common naming strategy improves the effectiveness of real-time network operations and key business management functions. This paper also explains how Common Language can bring increased awareness when defining, launching, and managing new network-based services.

Introduction

As network technology and business strategies continue to evolve, the greatest challenge asset-based communications service providers face is how to manage the physical and virtual assets that define the services they provide. Understanding the physical and logical placement of assets is strategic to several internal operations functions including network planning, inventory, service orchestration, catalog, activation, network assurance, service-level agreements (SLAs), policy, rating, and charging. The multilevel construct of the underlay and overlay connectivity infrastructure and the E2E partner-added services to customers of all types brings additional layers of asset tracking complexity that must be addressed by each of these business and operations management domains.

January 2021, IDC #US47230621



MAY 2010

ASSURING NETWORK BUILD INTEGRITY IN NEXT GEN NETWORKS

**Reducing Management Costs and
Speeding Rollouts for New Networks**

**An Independent analysis
published on behalf of:**





info@sevone.com | www.sevone.com

WHITE PAPER



CYBERATTACK:

IT'S A QUESTION OF **WHEN**, NOT IF

