January 2026, Volume 22, Issue 3



## FEATURED SPONSOR:

## IN THIS ISSUE

Seamless Connectivity Services
Distributed AI Networks
Unified Endpoint Security
NIS2 & Supply Chains
WANs, Data Centers & Edge AI
Intent-Based Networking for OT
D2C Liquid Cooling & Power
Enterprise Network Provisioning
Designing Self-healing Networks
The Resurgence of Fiber Optics
Letter from the Editor
IT & Telecom Technology News
Article Index

Not for distribution or reproduction

*© Pipeline Publishing, L.L.C. All Rights Reserved.*

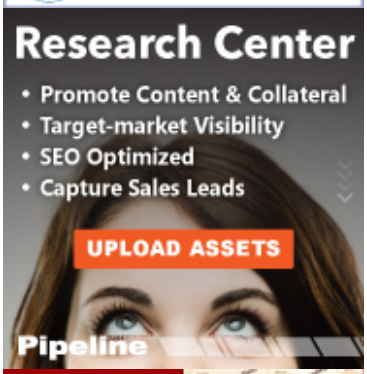
NEWSWIRE

Not for reproduction.

© Pipeline Publishing, L.L.C. All Rights Reserved.

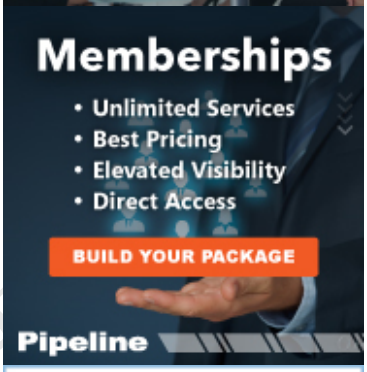
Not for distribution or reprod

LATEST UPDATES



© Pipeline Publishing, L.L.C. All Rights Reserved.

Not for distribution or reprod



© Pipeline Publishing, L.L.C. All Rights Reserved.

Not for distribution or reprod

CONNECT WITH US

Follow @PipelineWire

Back More

© Pipeline Publishing, L.L.C. All Rights Reserved.

## Latest Issues

Not for distribution or reproduction.

© Pipeline Publishing, L.L.C. All Rights Reserved.

Advertising Placements

Sponsor Articles and Issues

View More Issues

TRENDING NEWS

**Hippocratic AI Acquires Grove AI**

Full Story>

**Salesforce Announces General Availability of Slackbot**

Full Story>

**Camunda Releases Agentic AI Report**

Full Story>

**AST SpaceMobile Shares BlueBird 7 Orbital Launch Date**

Full Story>

**Verizon to Acquire Frontier**

Full Story>

**AOK Bayern Deploys NiCE CXone**

Full Story>

View More News

Not for distribution or reproduction.

© Pipeline Publishing, L.L.C. All Rights Reserved.

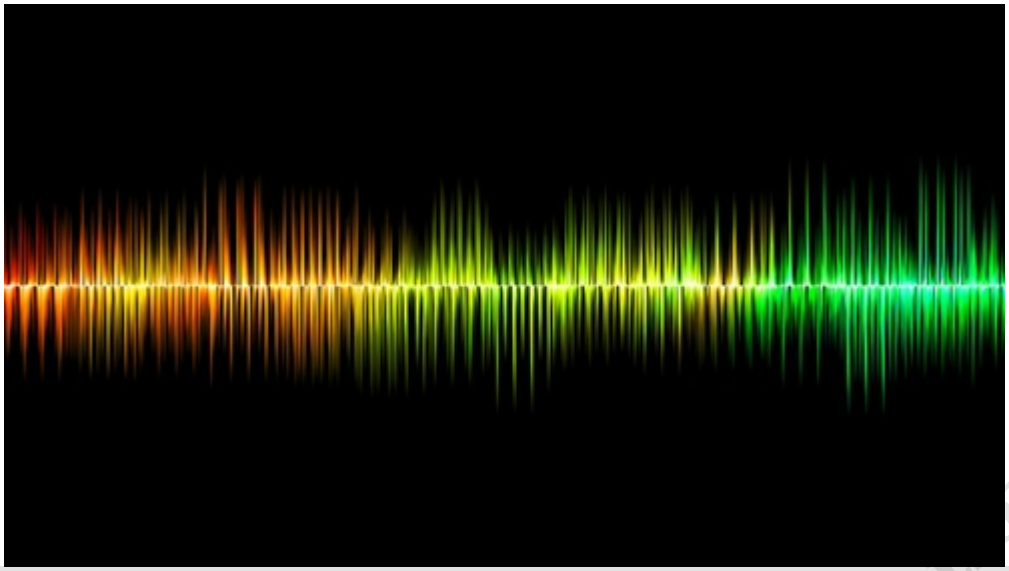
## Featured Content

Not for distribution.

### End-to-End Solutions for Broadband Networks

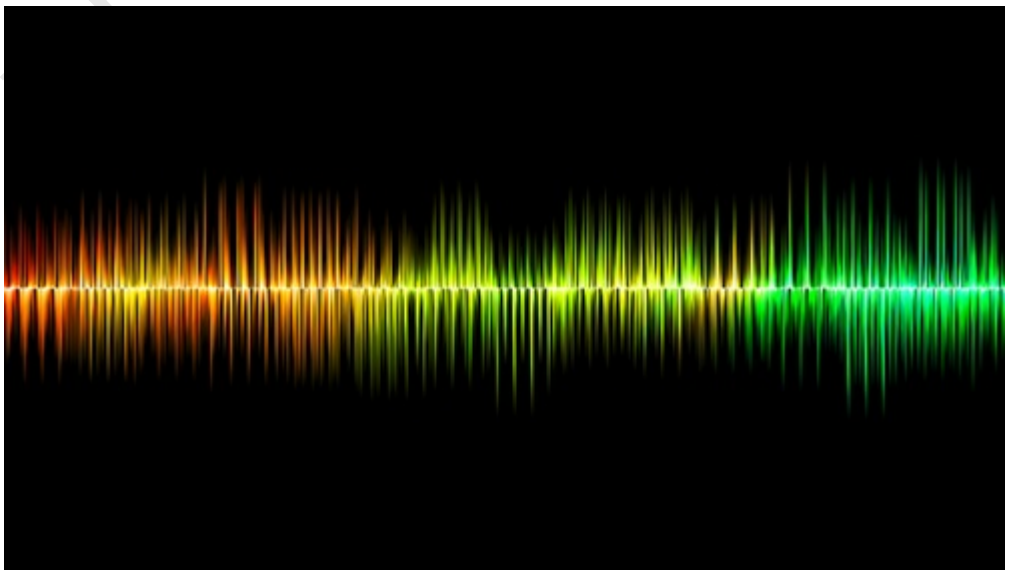
In case you missed Lindsay Broadband - a division of Technetix group at the SCTE Cable-Tec Expo, this video highlights the must-have, end-to-end solutions for your network.

*© Pipeline Publishing, L.L.C. All Rights Reserved.*



**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.



© Pipeline Publishing, L.L.C. All Rights Reserved.

## 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**

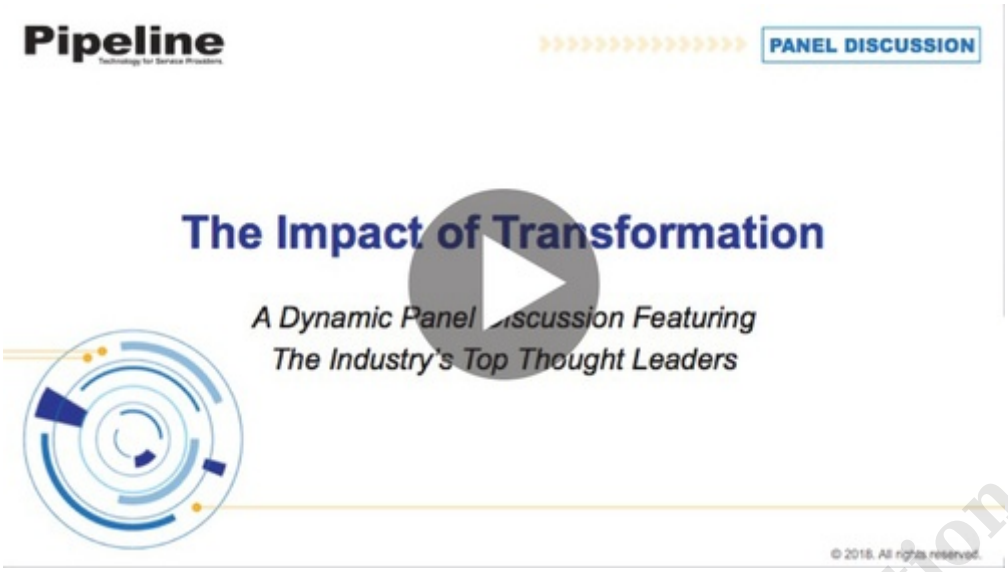
---

## Latest Webinars

---

Not for distribution or reproduction.

*© Pipeline Publishing, L.L.C. All Rights Reserved.*



Not for distribution or reproduction.

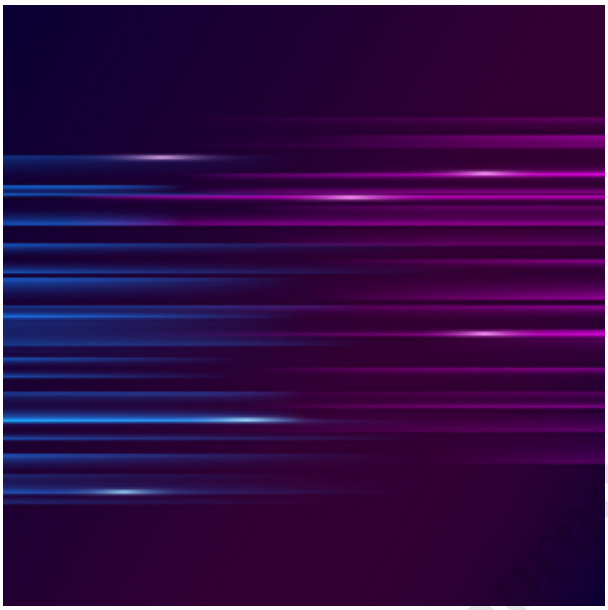
[Participate in Webinars](#)

[Join Next Webinar](#)

**[View More Webinars](#)**

***© Pipeline Publishing, L.L.C. All Rights Reserved.***

## Latest Articles



### Seamless Connectivity Services

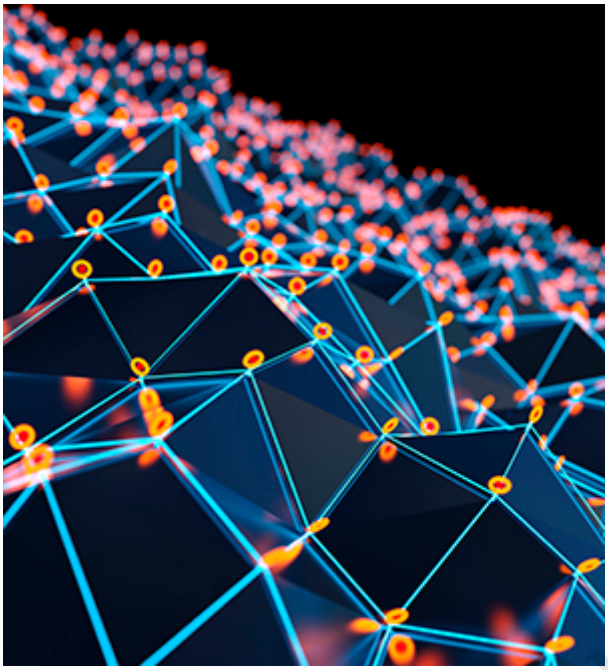
Order Article Reprint **Read More**

### Distributed AI Networks

Order Article Reprint **Read More**

Not for distribution or reproduction.

*© Pipeline Publishing, L.L.C. All Rights Reserved.*



**Unified Endpoint Security**

Order Article Reprint **Read More**

Not for distribution or reproduction.

***© Pipeline Publishing, L.L.C. All Rights Reserved.***

NIS2 & Supply Chains

Not for distribution or reproduction.

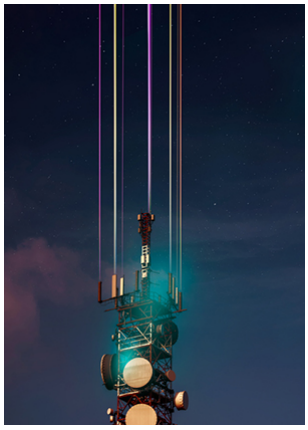
Order Article Reprint **Read More**

Sponsor Articles

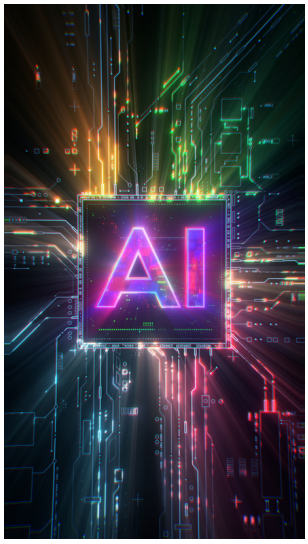
Advertising Placements

TRENDING ARTICLES

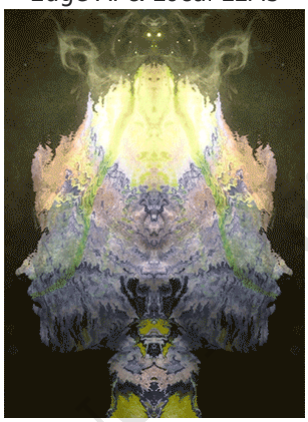
*© Pipeline Publishing, L.L.C. All Rights Reserved.*



5G NTN Satellite Networks




Edge AI & Local LLMs

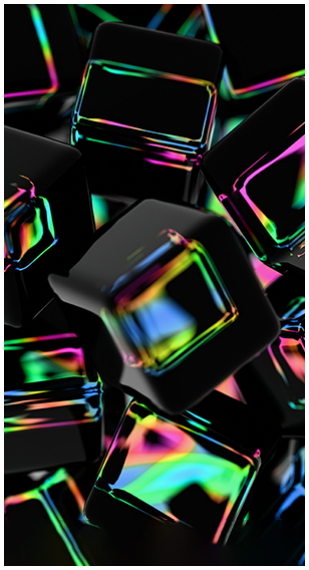


Letter from Editor

IT & Telecom Technology News

Unauthorized distribution or reproduction.

© Pipeline Publishing, L.L.C. All Rights Reserved.



Enterprise Network Provisioning

**View More Articles**

Not for distribution or reproduction.

## Other Featured Content

© Pipeline Publishing, L.L.C. All Rights Reserved.

csg
INTERNATIONAL
accelerate business. anywhere.

# CUSTOMER SUCCESS STORY: **SINGTEL OPTUS**

Expert Billing For the Top-End of Town

**SingTel Optus (Optus) needed to differentiate itself from its competitors and create a valuable service to attract and retain high-value customers. The company wanted to optimise its service to large corporate and government entities and therefore needed a billing and transaction management system to support that market segment.**

## STRATEGY

As the largest competitor to Australia's incumbent, Optus has taken a very strategic approach to winning high value customers.

Optus introduced superior customer-focused service to the market, along with premium product and service bundles. The corporate and government market in particular was requesting a better method to manage their communications portfolios.

To support this business decision, Optus selected Singleview as the strategic billing and transaction management system for their corporate and government customers. They chose Singleview because of its flexibility and functionality, which supports the concept of a "market of one".

## RESULTS

Optus has reduced overall cost of ownership and improved operational efficiencies with lower bill processing cycle times and seamless internal operations, not to mention reduced spend on accessing data and increased time on servicing its corporate and government customers.

## OPTUS – AN OVERVIEW

Optus, now owned by telecommunications giant SingTel, commenced operation in 1992 and is one of the largest communications service providers in Australia. It has more than six million customers today and provides a broad range of communications services including mobile, national and long distance services, local telephony, international telephony, business network services, internet and satellite services and subscription television.

## ORGANIZATIONAL STRUCTURES REFLECTED WITH EASE

Singleview's hierarchies provide powerful aggregation features, which allow for the management of complex corporate and government accounts. The ability of Singleview to imitate these organizational structures is achieved via its superior and multifaceted hierarchies. Each account is treated individually, allowing billing, reporting and invoicing to be tailored to meet the client's individual business model. These hierarchies can sometimes be 8-9 levels deep with thousands of nodes.

## BILLS AND REPORTS AS A SELLING TOOL

Optus is able to use the options provided by Singleview as a key differentiator for high value corporate clients. With Singleview, Optus customers have total control when they want it and how they want it.

There are two key benefits for Optus customers:

- One single bill for all products and service.
- Advanced multiple reporting functionality.

W www.csgi.com

© 2011 CSG Systems International, Inc. Confidential and Proprietary

Not for distribution or reproduction.

© Pipeline Publishing, L.L.C. All Rights Reserved.

Tekelec
For What's Next

WHITE PAPER

# Rethinking Mobile Data Rate Plans: What Consumers Think

Business Perspectives from Tekelec

www.tekelec.com

Not for distribution or reproduction.

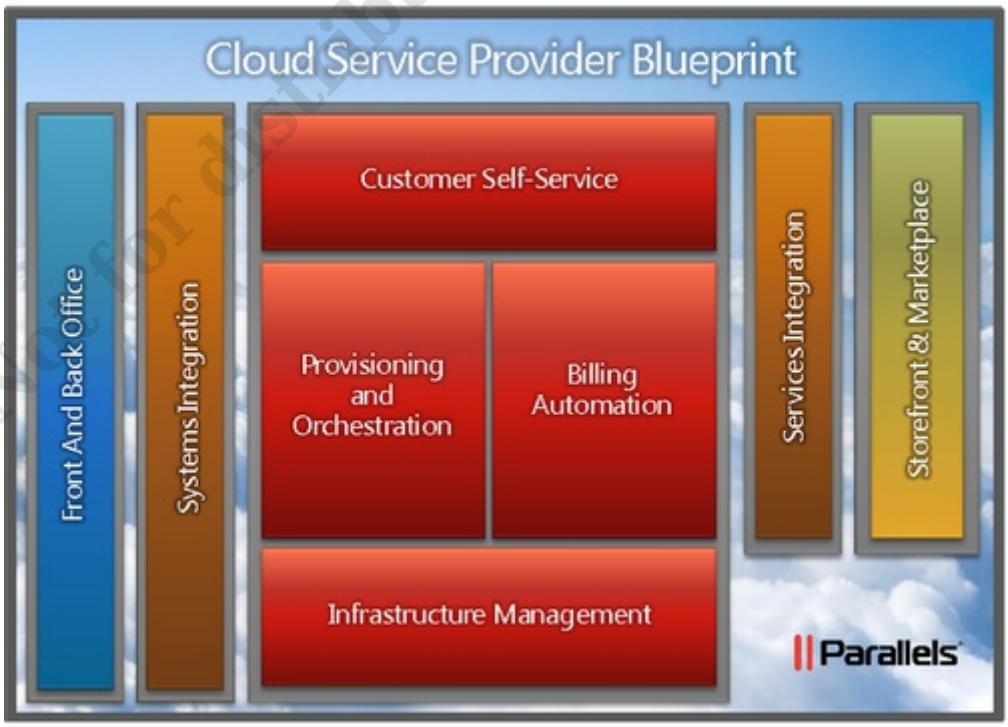
© Pipeline Publishing, L.L.C. All Rights Reserved.

FEBRUARY 24, 2010

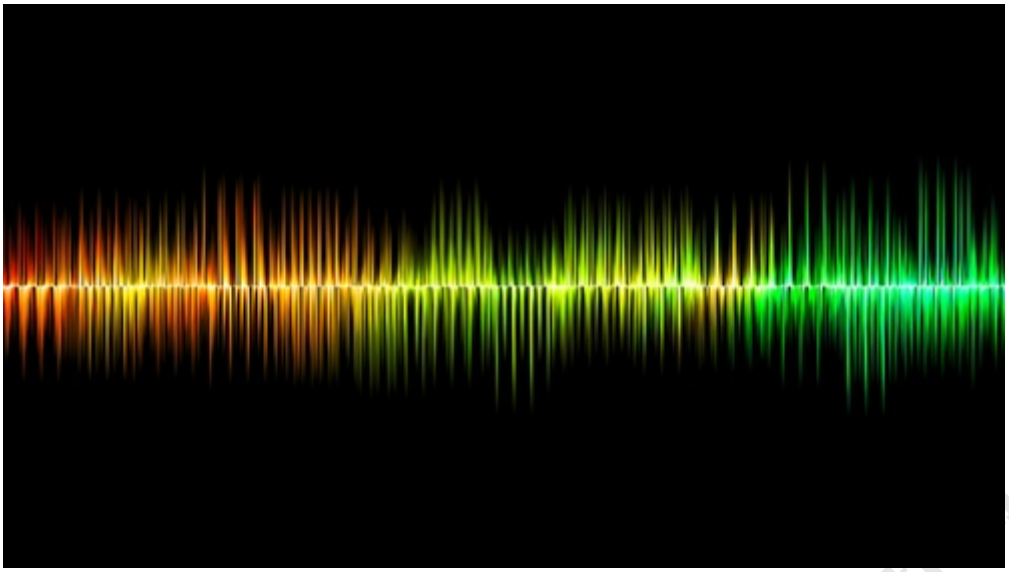
**CLOSING THE COMPLEXITY GAP**
**A CASE STUDY IN NETWORK INTEGRITY**

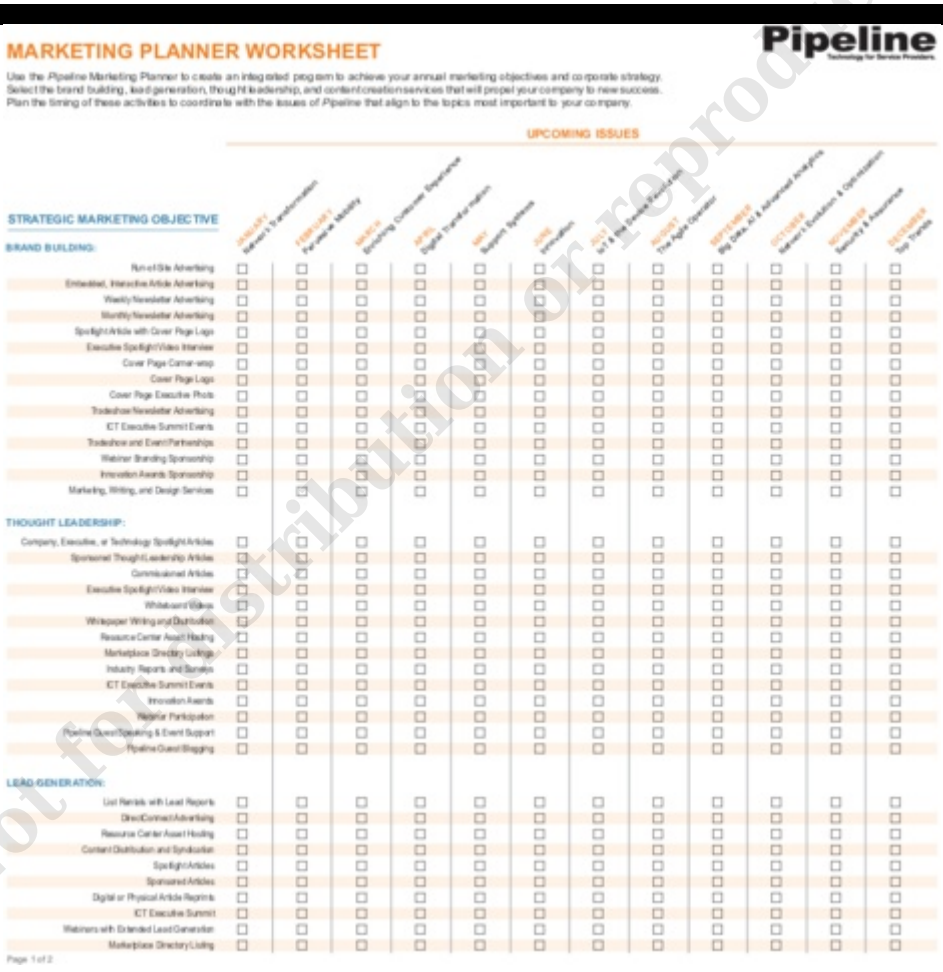
Nakina
Systems
Network Integrity

Not for distribution or reproduction.




© Pipeline Publishing, L.L.C. All Rights Reserved.





MARKETING PLANNER WORKSHEET

Pipeline
Technology for Service Providers

Use the *Pipeline* Marketing Planner to create an integrated program to achieve your annual marketing objectives and corporate strategy. Select the brand building, lead generation, thought leadership, and content creation services that will propel your company to new success. Plan the timing of these activities to coordinate with the issues of *Pipeline* that align to the topics most important to your company.

UPCOMING ISSUES

| STRATEGIC MARKETING OBJECTIVE | JANUARY Network Transformation | FEBRUARY Customer Mobility | MARCH Simplifying Customer Experience | APRIL Digital Transformation | MAY Network Synthesis | JUNE Innovation | JULY IoT & The Service Economy | AUGUST The Agile Operator | SEPTEMBER Big Data, AI & Advanced Analytics | OCTOBER Network Evolution & Optimization | NOVEMBER Security & Assurance | DECEMBER Top Trends |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **BRAND BUILDING:** | | | | | | | | | | | | |
| Run-of-Site Advertising | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Embedded, Interactive Article Advertising | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Weekly Newsletter Advertising | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Monthly Newsletter Advertising | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Spotlight Article with Cover Page Logo | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Executive Spotlight Video Interview | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Cover Page Corner-wrap | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Cover Page Logo | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Cover Page Executive Photo | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Tradeshow Newsletter Advertising | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ICT Executive Summit Events | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Tradeshow and Event Partnerships | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Webinar Branding Sponsorship | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Innovation Awards Sponsorship | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Marketing, Writing, and Design Services | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| **THOUGHT LEADERSHIP:** | | | | | | | | | | | | |
| Company, Executive, or Technology Spotlight Articles | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Sponsored Thought Leadership Articles | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Commissioned Articles | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Executive Spotlight Video Interview | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Whiteboard Videos | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Whitepaper Writing and Distribution | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Resource Center Asset Hosting | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Marketplace Directory Listings | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Industry Reports and Surveys | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ICT Executive Summit Events | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Innovation Awards | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Webinar Participation | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Pipeline Guest Speaking & Event Support | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Pipeline Guest Blogging | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| **LEAD GENERATION:** | | | | | | | | | | | | |
| List Rentals with Lead Reports | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| DirectConnect Advertising | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Resource Center Asset Hosting | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Content Distribution and Syndication | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Spotlight Articles | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Sponsored Articles | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Digital or Physical Article Reprints | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| ICT Executive Summit | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Webinars with Extended Lead Generation | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| Marketplace Directory Listing | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ |

Page 1 of 2

Not for distribution or reproduction.

## Brochures

© Pipeline Publishing, L.L.C. All Rights Reserved.

Datasheet

# IP Video Services Accelerator

**Sigma Systems' IP Video Services Accelerator is a robust solution enabling cable service providers to extend video service offerings to deliver an enhanced and unified entertainment experience.**

Without a doubt, the enhanced entertainment experience over IP video networks is emerging as the "next big thing" for service providers as over-the-top (OTT) content, Internet video and 3rd party applications continue to threaten customer loyalty. Gone are the days of just delivering traditional video offerings as cable service providers begin embracing the opportunity to create new business models and deliver an exciting, personalized multi-screen experience to subscribers. But without the proper supporting service fulfillment foundation, the accurate delivery of this experience is a significant challenge for cable service providers.

## Simultaneous Linear & IP Video Provisioning & Support

The IP Video Services Accelerator provides a service fulfillment solution that simultaneously provisions and supports both linear and IP video networks to deliver digital TV, PPV, VOD, DVR/PVR, Internet Video, OTT content, and 3rd party applications. This unique integrated OSS service management solution eliminates operational silos and provides seamless order management, provisioning, and entitlement management across all technologies, services, and systems.

## Simplify All-IP Video Migration

By supporting a hybrid linear and IP video network that provisions all video services, the IP Video Services Accelerator gives you the ability to simplify and implement a logical migration strategy from legacy to all-IP video. You can manage this migration at the pace of your business and benefit from the flexibility to migrate in stages by managed service area, network segmentation, and even customer profile. With the IP Video Services Accelerator you can rapidly launch enhanced entertainment services and migrate linear video subscribers to a common OSS back-office solution when your business is ready.

SIGMA SYSTEMS

Not for distribution or reproduction.

## Brochures

© Pipeline Publishing, L.L.C. All Rights Reserved.

ADVA

## 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 flexgrid and modular architecture of our ROADMs 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, programmable APIs
- **For any type of network infrastructure**
  Modular design with multiple amplifiers 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
- **Ecodesign**
  High-density design with low power consumption
- **Flexible footprint**
  Chassis sizes from 1RU to 12RU, ETSI / data center racks, AC/DC power options

Not for distribution or reproduction.

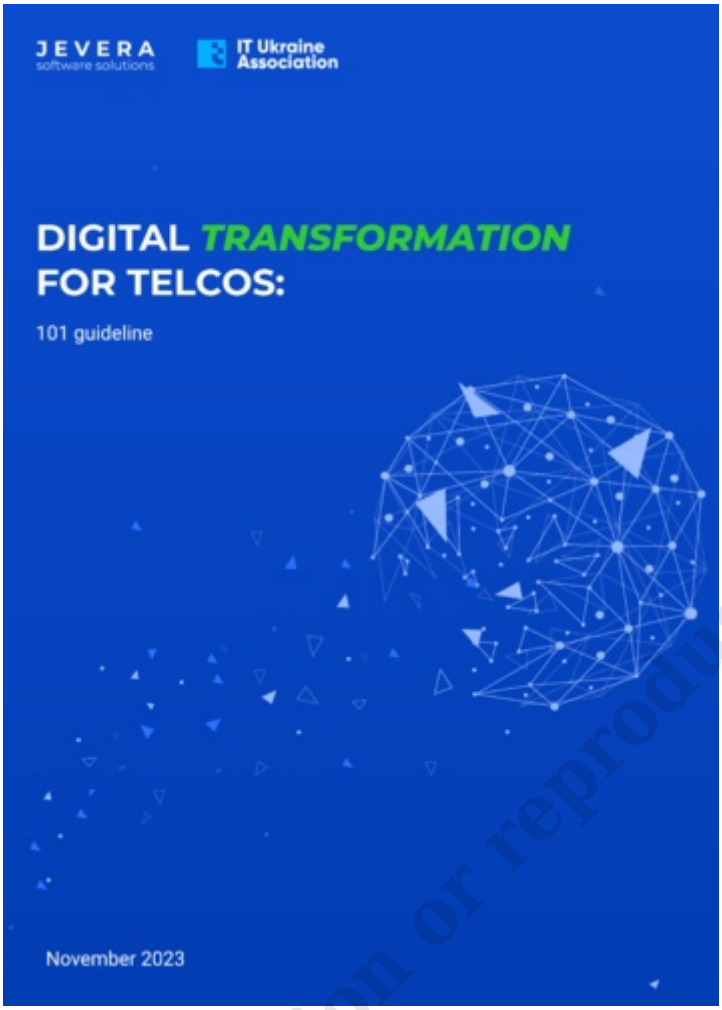
# Brochures

© Pipeline Publishing, L.L.C. All Rights Reserved.

## Whitepapers

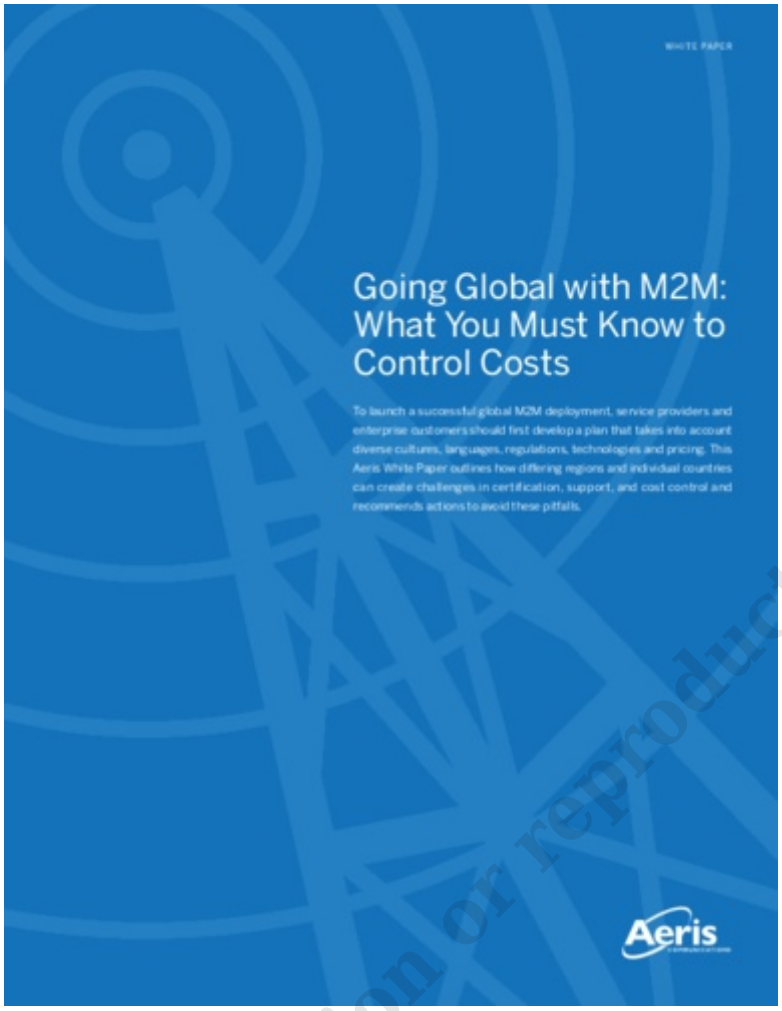
Not for distribution or reproduction.

© Pipeline Publishing, L.L.C. All Rights Reserved.




Not for distribution or reproduction.

© Pipeline Publishing, L.L.C. All Rights Reserved.




Not for distribution or reproduction.

© Pipeline Publishing, L.L.C. All Rights Reserved.

Not for distribution or reproduction.

© Pipeline Publishing, L.L.C. All Rights Reserved.

cycle30
we empower

# Company Fact Sheet

**About Cycle30**
Cycle30 provides hosted order-to-cash billing services for telecom, cable and utility operators in North America. Cycle30 is a subsidiary of GCI, Alaska's largest telecommunications and cable provider (NASDAQ: GNCMA).

Over 10 years, the Cycle30 organization helped transform GCI from a multi-product carrier of disparate services to a truly converged operator of bundled telecom services, consolidating nine billing systems, and increasing operational efficiency and competitive agility. The Cycle30 platform also enabled GCI to improve product strategy and successfully merge consolidate multiple providers under a common billing/OSS system.

Proven over years of real-world operator experience with GCI, the Cycle30 organization now operates as a separate company, offering its converged billing platform as a hosted service to small-and-medium-size converged operators everywhere.

**Cycle30 Services**
Around its core billing engine, Cycle30 has integrated leading commercial software for ordering, provisioning and business support. This makes the Cycle30 hosted platform the only one of its kind in the world, with all the ordering, provisioning, billing and back-office revenue systems a converged provider needs for a complete order-to-cash system.

**Management**
Jim Dunlap – *President*
Ariel Baird – *Business Operations*
Andrew Dunn – *Application Architecture*
Wendy Gonzalez – *Products + Services*
Jeth Harbinson – *Global Sales*
John Hegarty – *Service Delivery*
Isaac Szymanczyk – *Communications + Marketing*

**Operations**
Cycle30 manages all operations from its headquarters in Seattle. The primary data center is located in Aurora, Colorado, with recovery and on-demand data centers in Scottsdale, Arizona and Philadelphia, Pennsylvania.

Cycle30 | 710 2nd Avenue, Suite 1260 | Seattle, WA 98104 | Cycle30.com | 1-877-628-9455
© 2010 Cycle30 Inc. All Rights Reserved.

Not for distribution or reproduction.

© Pipeline Publishing, L.L.C. All Rights Reserved.

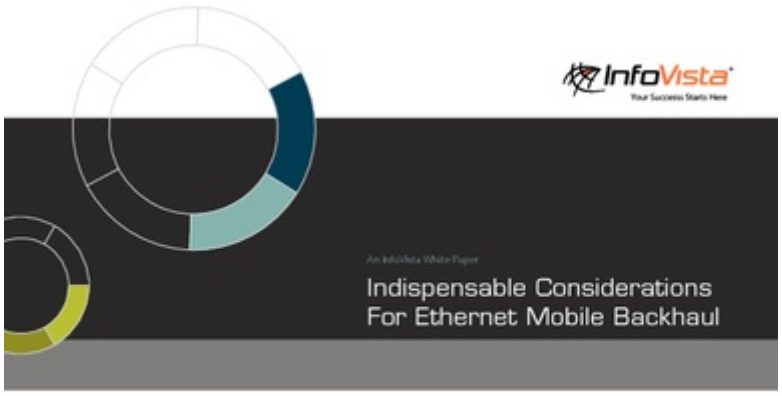
# Know Your Customers, Keep Your Customers: Five Key Benefits of Using Automated Surveys to Gauge Customer Satisfaction

CSG International | September 2011

© 2011 CSG Systems International, Inc. All rights reserved. csgi.com

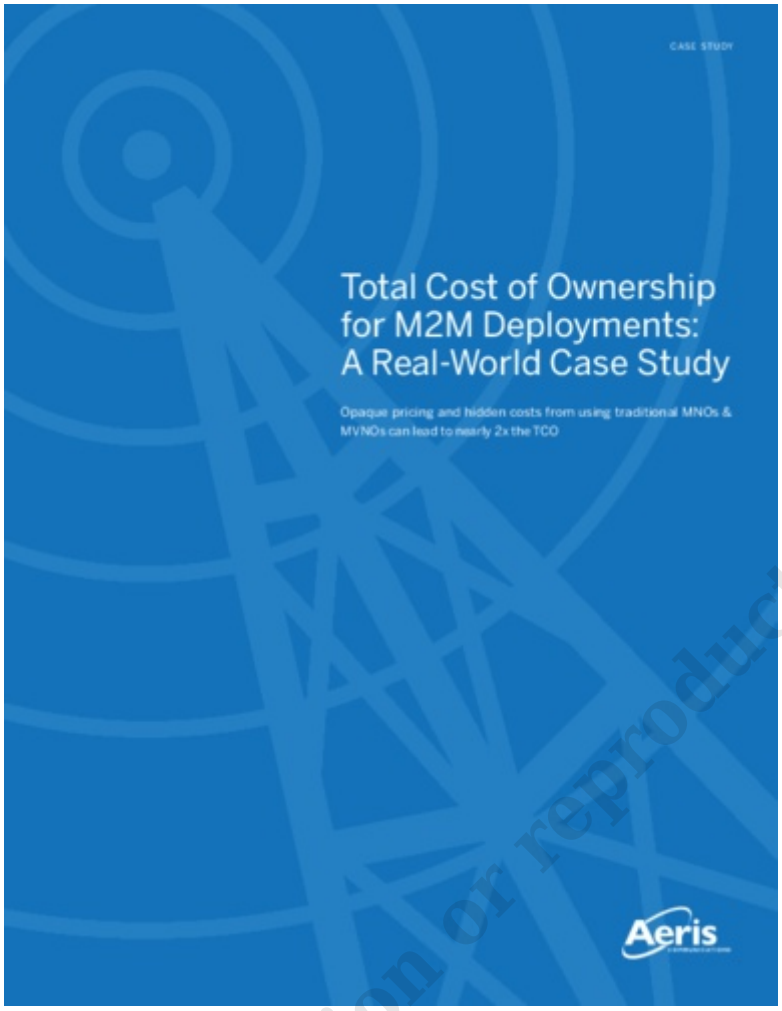
Not for distribution or reproduction.

© Pipeline Publishing, L.L.C. All Rights Reserved.



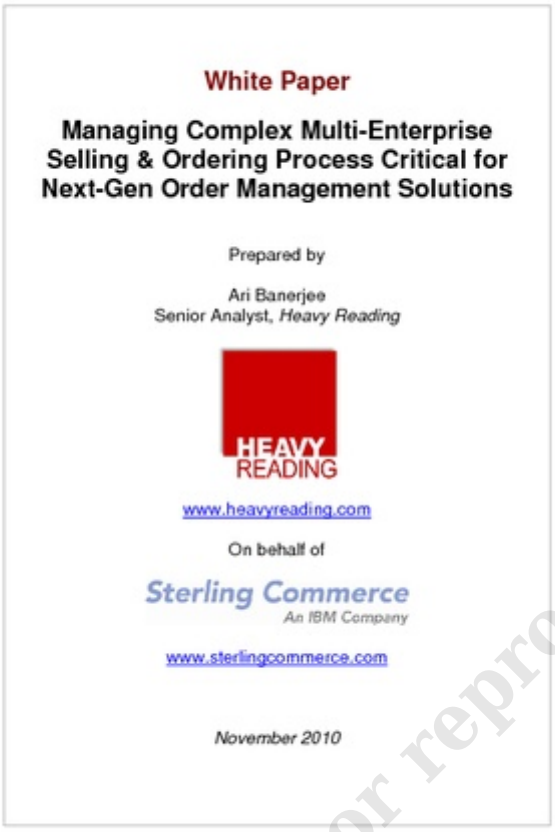

Not for distribution or reproduction.

© Pipeline Publishing, L.L.C. All Rights Reserved.




Not for distribution or reproduction.

© Pipeline Publishing, L.L.C. All Rights Reserved.



White Paper

Managing Complex Multi-Enterprise Selling & Ordering Process Critical for Next-Gen Order Management Solutions

Prepared by

Ari Banerjee
Senior Analyst, *Heavy Reading*

HEAVY READING

www.heavyreading.com

On behalf of

Sterling Commerce
An IBM Company

www.sterlingcommerce.com

*November 2010*

Upload Content

**View More Content**

© 2026, All information contained herein is the sole property of Pipeline Publishing, LLC. Pipeline Publishing L.L.C. reserves all rights and privileges regarding
the use of this information. Any unauthorized use, such as copying, modifying, or reprinting, will be prosecuted under the fullest extent under the governing law.

Not for distribution or reproduction.

***© Pipeline Publishing, L.L.C. All Rights Reserved.***