



## Google Maps Integrated with Calix Management System (CMS)

*Calix Adds Advanced Mapping and Satellite Imaging to CMS Topology Management Function*

**FEBRUARY 12, 2008, PETALUMA, CA**— [Calix](#) today announced the integration of Google Maps for Enterprise into the topology management function of the [Calix Management System \(CMS\)](#). Unlike virtually all other element management system topology-management functions, which rely on static maps or geographic information systems (GIS), Google Maps for Enterprise provides a rich, interactive interface that includes panning, zooming, satellite images and street-level views (in certain locations). CMS version 10.2 essentially creates a carrier-class mash-up by overlaying Google Maps with a geo-accurate network topology that also includes device alarm information and connectivity state. Service providers, both wireline and cable, benefit through improved productivity of network operations center (NOC) and outside plant personnel.

According to Phil Fine, Calix director of market development for multiservice management products, "The integration of Google Maps continues our practice of adding rich, third-party software and web applications to the widely deployed CMS platform. In this case, we're providing our customers with the most advanced and scalable geographic mapping function available, along with sophisticated interactive hooks that simplify device placement."

The placement of Calix and third-party network elements on Google Maps can be done via either street address or longitude / latitude coordinates. Once placed, devices can be moved on a map using the CMS graphical user interface or through database changes.

"As we continue to push increasingly intelligent equipment closer to the customer premises, the difficulty in managing and tracking that equipment increases exponentially," said Bob Hensley, operations manager at Cal-Ore Telephone Co. "The Google Maps function in CMS allows us to visualize our entire network and efficiently deal with any challenges that may arise."

Accurate topology management, and interactive maps and satellite images, becomes especially important as service providers with very-high-speed access networks deploy more network elements closer to subscribers. In the most extreme case, that of fiber to the premises (FTTP), [optical network terminals \(ONTs\)](#) are deployed at the customer premises. CMS with Google Maps for Enterprise allows service providers to map ONTs to subscriber street addresses. This capability also allows dispatching systems to provide precise equipment location information to outside-plant personnel.

### **About Calix**

Calix is the largest telecom equipment supplier focused solely on access solutions for broadband service delivery. Service providers deploy Calix access systems to enable a rich set of information, communication, and entertainment services and to expand their revenue base beyond connectivity.

Calix access innovation helps service providers transform their networks from circuit to packet, narrowband to broadband, and copper to fiber. Calix has deployed millions of ports and tens of thousands of systems into hundreds of service provider networks throughout North America. For more information, visit the Calix website at [www.calix.com](http://www.calix.com).

This press release may contain forward-looking statements that are based upon management's current expectations and are inherently uncertain. Forward-looking statements are based upon information available to us as of the date of this release and we assume no obligation to revise or update any such forward-looking statement to reflect any event or circumstance after the date of this release. Actual results and the timing of events could differ materially from current expectations.

*Keywords*

Calix, Google Maps for Enterprise, Calix Management System, CMS, broadband access, FTTP, ONT

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