



# webMethods SOA for Telecommunications

## LEVERAGE SOA AND SOFTWARE AG'S BUSINESS INFRASTRUCTURE SOFTWARE SUITE TO COMPLY WITH NGOSS PRINCIPLES

The evolving environment in which modern service providers do business puts new demands on their operations. To be able to succeed in today's competitive telecom market, a provider must be able to develop and deploy new services quickly, with the quality of service that their customers now demand. To achieve these business goals, processes must become more efficient and automated through the integration of processes, information and systems. The global financial crisis has additionally increased the burden to improve performance - more cost-effective support systems, better automation of complex business processes, and faster return on investment.

To be successful, a long-term strategy for IT systems is required. Service-Oriented Architecture (SOA) can play a key role in transforming your company's IT infrastructure into an agile architecture enabling it to react quickly to dynamic market conditions.

Traditionally, within telecom service providers, the IT group focuses on business support systems from billing to office automation, and the engineering groups focus on the „core business“ such as network engineering and operation. In addition, the IT function is often decentralized into product-based divisions and the business support systems were implemented without a long-term strategy.

With the convergence of technology coupled with market, competitive and financial pressures, telecom companies are forced to change their business structures - driving changes to the role of IT. Those decentralized systems are now proving difficult to expand in accommodating more complex networks, services and automated processes.

### The importance of compliance with NGOSS principles

New Generation Operations Systems and Software (NGOSS) is the industry's only true standard for development and deployment of easy-to-integrate, flexible, easy-to-manage components and Business Support Systems (BSS), with process automation as its cornerstone. Many of the business benefits revolve around the direct and indirect stages in automating telecom operations.

Since the services offered by telecom providers are now entirely defined as digital bits and bytes, providers need to go beyond mere automation and need to ensure that their underlying business infrastructure provides the flexibility required by IP-based networks. By using Software AG's proven SOA and BPM technologies to take advantage of the industry best practices captured within the NGOSS model, service providers can fully leverage their existing infrastructure to create highly-differentiated products and services.

*Software AG is a participating member of the Tele Management Forum (TMF) and over 100 of the largest telecommunications companies in the world are our customers.*

Software AG can assist telecom providers looking to implement key NGOSS components quicker and with less risk. Our webMethods technology offers tangible benefits that positively impact the bottom line - faster:

**Separation of business processes from components**

- Easier integration and reuse of legacy assets
- Easier BPE / B2B integration

**Distributed architecture (loosely coupled distributed system)**

- Greater control and agility
- Contains the downstream impact of change

**Shared information model**

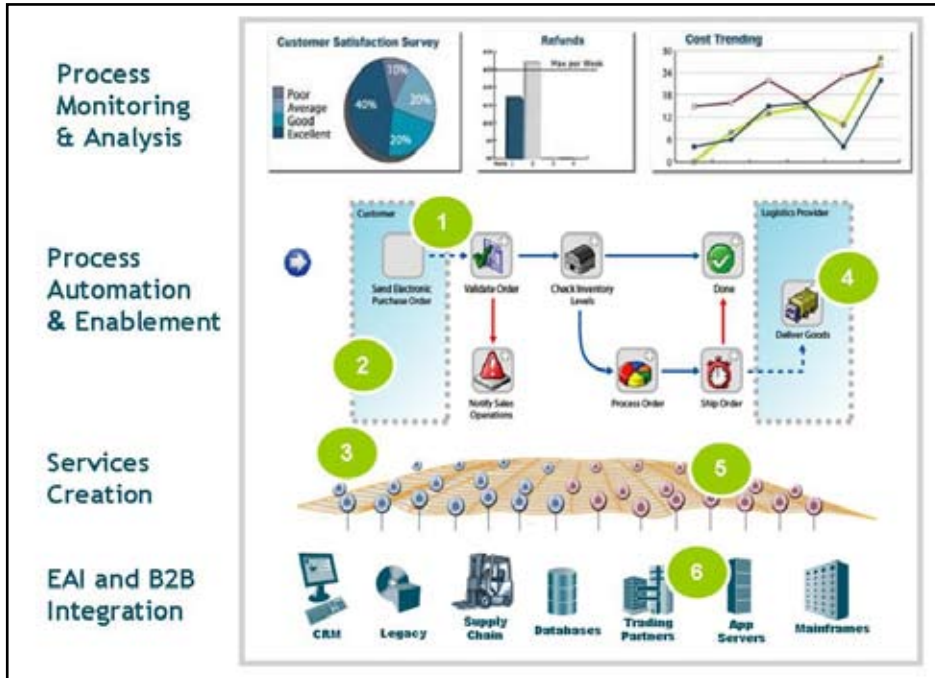
- Faster service provisioning and activation
- Easier to procure new technology

**Communication interfaces between components**

- System portability
- Simpler maintenance and upgrade

**Common Communications Infrastructure**

- Simpler testing
- Simpler access to information for audit, benchmarking, etc.



The webMethods product suite offers capabilities to comply with NGOSS:

1. Business processes separate from components
2. Uses common metadata repository
3. Architecture is distributed
4. Uses shared information model
5. Uses interfaces to communicate between components
6. Components communicate over common communications vehicle

Take the next step with a telecommunications solution to get there - faster.

To find the Software AG office nearest you, please visit [www.softwareag.com](http://www.softwareag.com)

**AT THE CORE OF SOFTWARE AG'S SOA SOLUTIONS FOR TELECOMMUNICATIONS**

**Business Process Management (BPM):** Achieve greater operational efficiency with automated system steps and guided human interactions throughout your business processes.

**Business Activity Monitoring (BAM):** BAM gives the business and IT the actionable insight to identify where the existing errors are occurring so they can address them immediately. More importantly, real-time process analytics provide insight into the best areas to improve.

**Integration:** Create the foundation for your SOA with an enterprise-class Enterprise Service Bus to create a more agile enterprise while maximizing existing IT investments.

**SOA Governance:** Manage and govern your SOA environment from the start to ensure manageability, transparency and full control of your SOA initiative. SOA Governance allows you to catalog descriptions and dependencies to enable maximum re-use of Web services within and across organizations.

**Composite Application Framework (CAF):** Quickly deliver collaborative, end-user workspaces that are easy to understand, easy to use and easy to interact with.

**ABOUT SOFTWARE AG**

Software AG is the world's largest independent provider of Business Infrastructure Software. Our 4,000 global customers achieve business results faster by modernizing, automating and improving their IT systems and processes to rapidly build measurable business value and meet changing business demands. Using our solutions, organizations are able to liberate and govern their data, systems, applications, processes and services - achieving new levels of business automation and transparency.

Our industry-leading product portfolio includes best-in-class solutions for managing data, developing and modernizing applications, enabling service oriented architecture, and improving business processes. By combining this proven technology with industry expertise and best practices, our customers improve and differentiate their businesses - faster.

Software AG - Get There Faster.

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