

The Alcatel 5712 CORBA Service OSS Interface (CORBA), formerly the 912 CORBA*, creates numerous operations support system (OSS) integration opportunities, and enables service providers to automate processes for the delivery of sophisticated broadband access services.

The Alcatel 5712 CORBA Service OSS Interface is an optional, CORBA-compliant OSS gateway to the Alcatel 5740 Service Subscription Manager (SSM), formerly the 940 SSM*. Its purpose is to create an interface between the 5740 SSM and various telecommunications OSS applications, such as billing, order handling, loop ordering, etc.

The functions and object model of the 5712 CORBA allow telecommunications OSSs to perform operations that include management of services (subscriptions) and subscribers.



OSS integration
for automated
activation of
broadband
access services



OSS integration

The Alcatel 5712 CORBA provides a key OSS integration portal into the Alcatel network. The 5712 CORBA's object model includes subscribers and subscriptions, and makes this information available to other OSSs using the CORBA standard.

The 5712 CORBA and underlying 5740 SSM provide a customer centric view that eliminates complexity and technology-specific terminology. The interface transacts in terms of subscribers and their services, terms familiar to both service operators and end customers. By reducing the amount of complexity and automating key procedures, a service provider can significantly reduce operational costs.

The 5712 CORBA continues the Alcatel strategy of interoperability, permitting other vendors' OSSs to interact with the 5740 SSM and downstream Alcatel 5620 Network Manager (NM) network, formerly the 46020 Network Manager*, to:

- ▼ create and delete subscriptions
- ▼ create and delete subscribers
- ▼ obtain a subscriber's inventory of subscriptions and status
- ▼ obtain inventory of subscriber access ports and status

Through the 5712 CORBA, an OSS application can quickly and cost-effectively provision broadband access services across an Alcatel network.

Applications

Automation of management processes

The 5712 CORBA Service OSS Interface is a powerful tool for automating broadband access service activation. It allows integration of the Alcatel 5740 SSM to a service provider's customer care or other peer OSS. For instance, the 5740 SSM can be integrated with a service provider's order handling system, permitting the entire service delivery process to be driven by the service operator or customer service representative.

Developer support

With the assistance of Alcatel's Open Interfaces Professional Services (OIPS) group, service providers or independent software vendors (ISVs) can use the 5712 CORBA to bring the power of flowthrough service activation to their OSS landscape.

Experts within the Alcatel OIPS group can work with service provider or ISV OSS developers to integrate the 5712 CORBA Service OSS Interface with OSS applications. Some of the services include:

- ▼ how-to Q&A
- ▼ proactive design advice
- ▼ interoperability testing
- ▼ courseware (theory and practice)
- ▼ consulting services (developer support)
- ▼ in-service trial (IST), new product introduction (NPI) and development phase problem resolution

Contact your Alcatel representative to receive more information about support packages.

Technical Summary

5712 CORBA

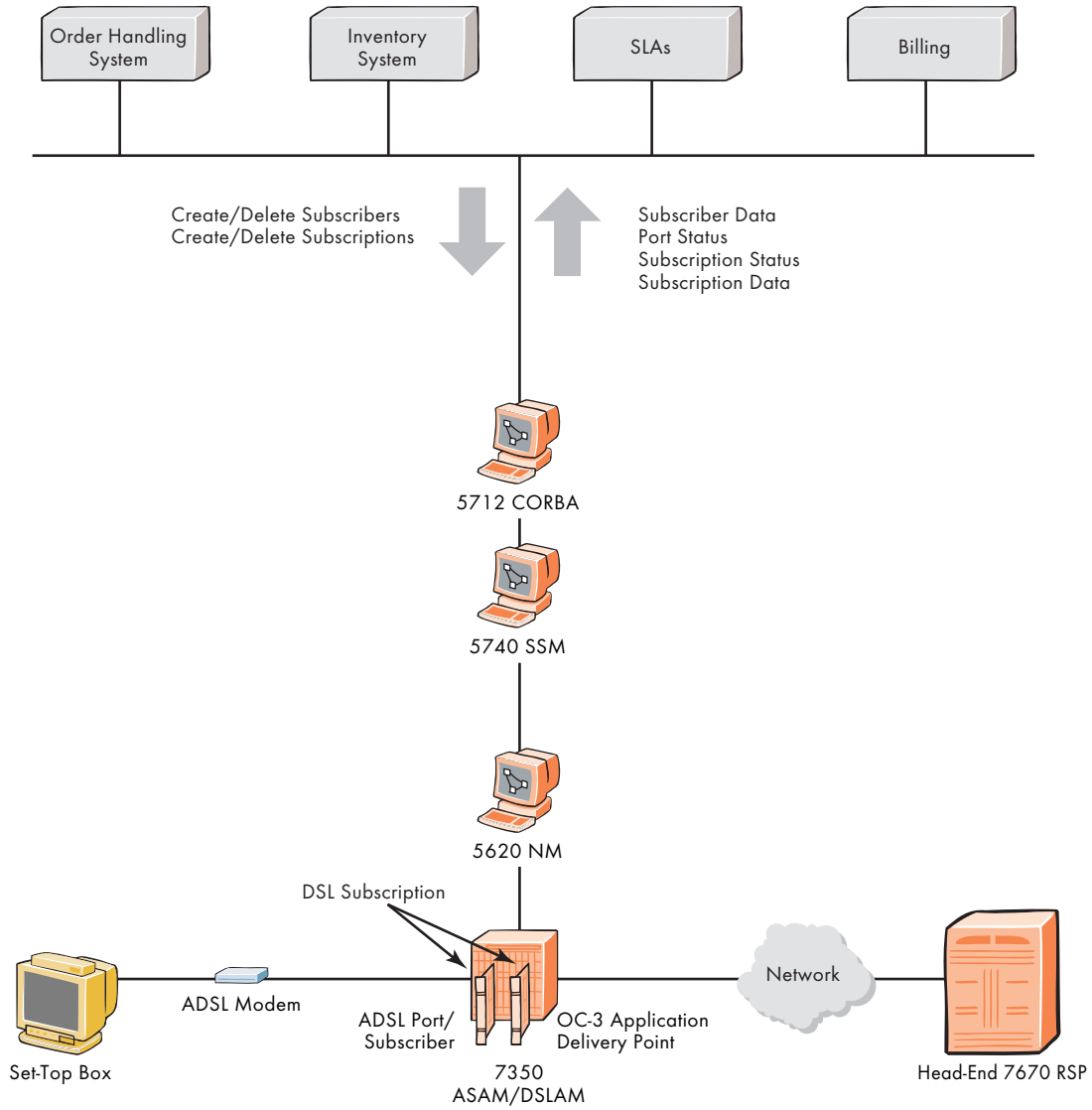
- ▼ ITU-T M.3010 series, Principles for a TMN
- ▼ CORBA 3.0

Platform

- ▼ Minimum platform requirement: Sun Ultra10, 256 MB RAM, 9 GB hard drive
- ▼ Sun Solaris v2.5.1
- ▼ Netscape Enterprise Server v3.5.1

The 5712 CORBA is an optional software product co-located with the 5740 SSM.

▼ An example of information flow using the 5712



Alcatel 7350 ASAM (ASAM), formerly the 350 Integrated Versatile Services Node (IVSN)*
 Alcatel 7670 Routing Switch Platform (RSP), formerly the 670 RSP*

* These products belonged to the Newbridge family. Newbridge was acquired by Alcatel in May 2000.

For more information www.cid.alcatel.com

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