

The Alcatel 5740 Service Subscription Manager (SSM) automates the activation of DSL-based services such as high speed Internet, business Internet and digital video. Broadband access is experiencing exponential growth, and the challenge to service providers is to quickly and profitably roll out services. By automating DSL service provisioning, the 5740 SSM significantly reduces operational costs and dramatically improves service deployment capacity.

**Fast DSL activation**

The 5740 SSM simplifies and streamlines the activation of DSL services. The 5740 SSM enables service providers to define services and specify policies and configuration. Once defined, users need only record the customer details and assign the selected services. The activation of the service over the DSL, ATM and IP network is fully automated.



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### OSS interface support

The 5740 SSM supports an optional product called the Alcatel 5712 CORBA Service OSS Interface. The 5712 CORBA allows integration with other operations support systems, such as order handling.

### “Out-of-the-box” installation

The 5740 SSM is designed to work with the Alcatel 5620 Network Manager (NM) on an “out-of-the-box” basis. The 5740 SSM automatically learns about customer and content provider networks. The user interface is designed to be intuitive, thus reducing the time for training new users.

### Flexible service definition

The 5740 SSM offers flexible service definition capabilities, providing full control over service definition and implementation. For example, you can define a residential service level, as well as small to medium business offerings. The services can be deployed on different DSL technologies including ADSL and SDSL. The 5740 SSM can transport services over an edge and core network comprising IP, ATM and frame technologies.

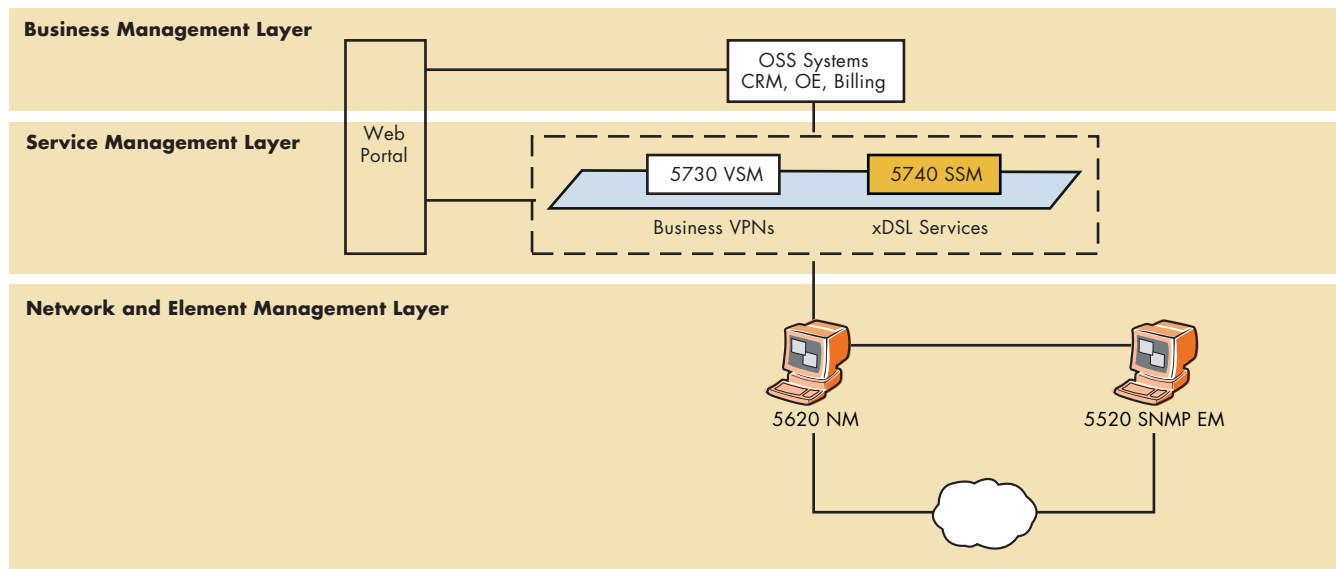
### Service assurance and maintenance

The 5740 SSM provides invaluable features for the assurance of DSL services. Front line staff can easily identify the status of a customer’s service such as port measurement, including the up/down-stream rates, noise and power levels. As a result, Level one support operators can quickly respond to customer issues.

The 5740 SSM also provides features for minimizing resources needed to maintain customer service levels. For example, the 5740 SSM provides an enhanced regrooming feature that enables users to regroom customer services in bulk, while maintaining the same DLCI/VPI/VCI. The result is significant time savings for ongoing maintenance of services.

### New services — broadcast video and video on demand

The 5740 SSM continues to support the management of new services offered over DSL, including support for video services over DSL. The 5740 SSM abstracts the complexities of the video from the user and assigns a predefined video service to the subscriber.



### Enhanced ISP retail and wholesaling partnerships

The 5740 SSM enhances ISP retail and wholesale business models. The network access provider can provide both retail and wholesale ISP partners with a customized 5740 SSM user interface. The application enables granular control over information and functions allocated to ISP users. The Java GUI operates on a standard PC that connects to the 5740 SSM server through a secure firewall.

### Self-service portal

The self-service portal allows the creation of branded portals to customize the content provided on the 5740 SSM.

#### ▼ Sample Classes of Service

Residential Internet	
PVC	DSL Port
▼ Service Category = UBR	▼ Port Type = ADSL
▼ Auto Rerouting = off	▼ Interleaving = off
▼ DownSpeed = 1 Mb/s	▼ DownSpeed = 1 Mb/s
▼ UpSpeed = 256 kb/s	▼ UpSpeed = 256 kb/s
▼ Default VPI/VCI Address = 0/37	
Business Internet	
PVC	DSL Port
▼ Service Category = UBR	▼ Port Type = SDSL
▼ Auto Rerouting = on	▼ DownSpeed = 2 Mb/s
▼ DownSpeed = 1 Mb/s	▼ UpSpeed = 2 Mb/s
▼ UpSpeed = 1 Mb/s	
▼ Default VPI/VCI Addresses = 0/37 – 0/38	
Residential Video Broadcast	
PVC	DSL Port
▼ Service Category = CBR	▼ Port Type = ADSL
▼ Auto Rerouting = off	▼ Interleaving = off
▼ DownSpeed = 4 Mb/s	▼ DownSpeed = 6 Mb/s
▼ UpSpeed = 256 kb/s	▼ UpSpeed = 256 kb/s
▼ Default VPI/VCI Address = 0/41	
IGMP	
▼ Router Group = BTV_ISC	
▼ Interface Template = IGMP_BTV	
▼ Auto-Address	

## Technical Summary

### What's New in This Release

- ▼ Support for the ISC card on the Alcatel 7350 ASAM enabling the provisioning of new services such as broadcast digital video service and video on demand over DSL. The ISC card provides IP services on the 7350 ASAM.
- ▼ Regrooming of customer services from ISP delivery points while maintaining DLCI/VPI/VCI addresses
- ▼ Significant performance improvements in user response time and provisioning throughput
- ▼ Support for the 48-port SDSL card on the 7350 ASAM
- ▼ Enhancements for ADSL port parameters
- ▼ Minimum platform requirement: Sun Solaris version 2.7

### Features

- ▼ Automatic provisioning of the underlying network components (e.g., DSL ports, IP and ATM/frame relay paths)
- ▼ Integration with operations support systems, such as order handling, through the optional 5712 CORBA Service OSS Interface
- ▼ Policy-based creation of subscriptions/services
- ▼ Intuitive, easy to use Graphical User Interface (GUI)
- ▼ Wholesale Internet partner access to administration of the DSL enabled services and subscribers
- ▼ Quick identification of DSL subscribers and services affected by network faults

- ▼ Service assurance including port parameters such as rate, noise and power measurements
- ▼ Bulk regrooming of subscriber's services

### Scalability

- ▼ 125,000 subscribers/subscriptions
- ▼ 1,000 ISP (content providers)
- ▼ 100 class of service policy definitions

### Platform

- ▼ Minimum platform requirement: Sun Enterprise 450, 4 x 250 MHz CPUs, 2G Memory, 40 G Disk
- ▼ Sun Solaris v2.7
- ▼ Netscape iPlanet 4.1 Enterprise Edition
- ▼ ObjectStore 5.1 SP3

### Network Management Compatibility

- ▼ 5620 Network Manager (NM), Release 4.0 and higher
- ▼ 5712 CORBA Service OSS Interface, Release 1.2

### Services Supported

- ▼ DSL including ADSL and SDSL
- ▼ Broadcast digital video and video on demand
- ▼ Business Internet/extranet services
- ▼ ATM and FR paths

For more information: [www.cid.alcatel.com](http://www.cid.alcatel.com)

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