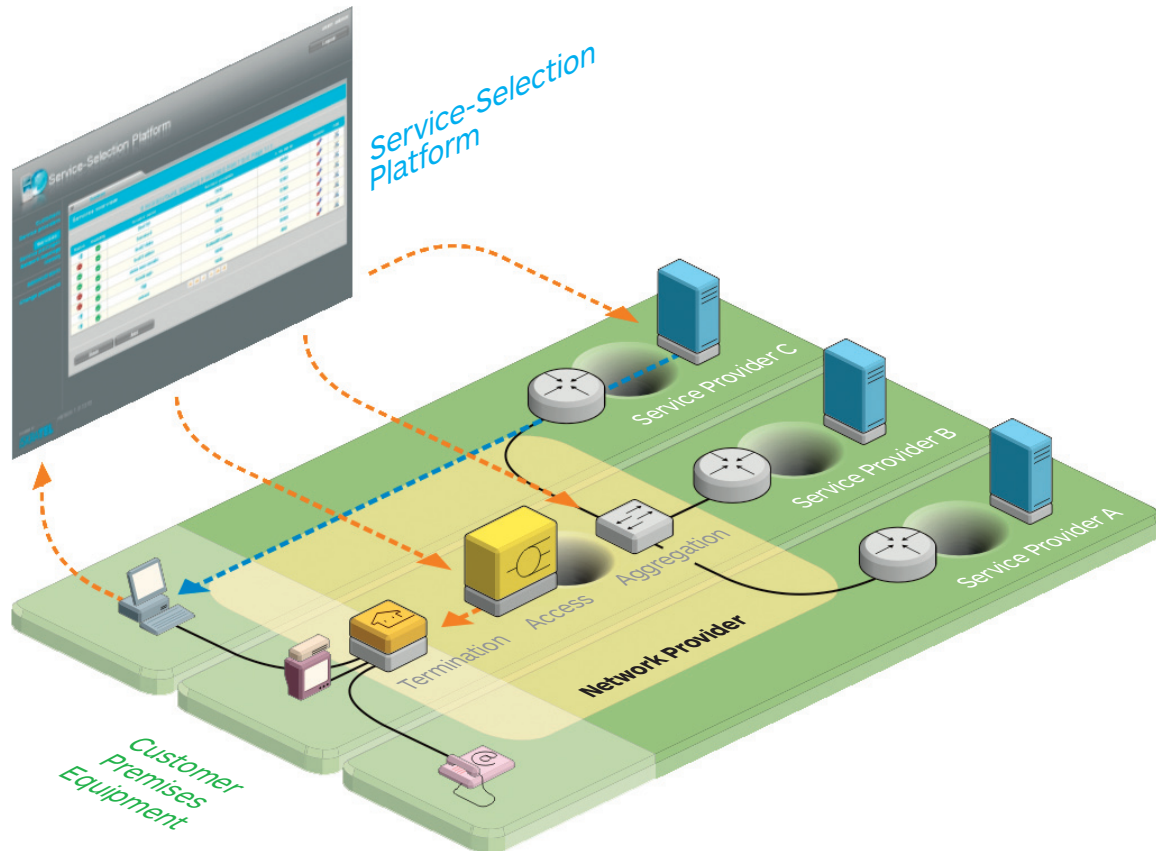


Service-Selection Platform

- Subscriber self-provisioning
- Easy introduction of new services
- Lower operational costs
- Support for various network elements
- Easy OSS integration

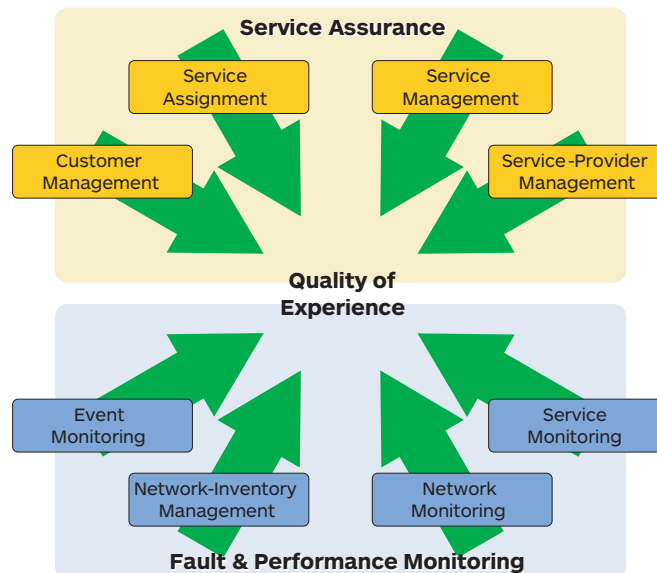
The Service-Selection Platform is the key component of the open broadband access that gives the broadband-access customers the full freedom of service selection from among the services provided by different service providers and delivered across the same shared network resources of the network provider.

The customers use the Service-Selection Platform to subscribe to new services, cancel existing services, or change service providers. Automated reconfiguration procedures, triggered by the SSP, provide lower operational costs to the providers, while improving customer satisfaction.



The typical application of the SSP introduces a straightforward, four-phase, provisioning of services.

- 1. Service selection** – The customer uses the customer-premises equipment to log in to the SSP, where he or she subscribes to the new services or cancels existing services.
- 2. Path provisioning** – The SSP triggers the configuration changes across the access and aggregation network to provision a path for the service between the customer's equipment and the service provider's gateway.
- 3. Inter-provider notification** – The SSP notifies the affected service provider of the changes. The service provider's management system applies the necessary service-related changes within the service provider's network.
- 4. Service provisioning** – Any configuration changes that are necessary on the customer-premises equipment are performed within the service provider's management domain, between the service provider's management server and the customer's equipment.



The SSP manages several processes that make the business success of network providers possible.

Service-Provider Management maintains an accurate database of all the service providers that provide the services via the network provider's network.

Service Management maintains a database of all the available services, including both their technical (required bandwidth, quality of service, etc.) and non-technical properties (e.g. pricing).

Customer Management maintains a database of all the network provider's broadband customers, and the devices they use for network termination.

Service Assignment enables the most important function of the SSP from the customer's perspective: the ability to select from among the available services and create a personalized set of services.

Inventory Management constructs an abstract representation of the underlying network and network elements that need to be configured in the processes of service assignment and monitoring.

Network Monitoring keeps track of statuses of the underlying network and network elements that affect the delivery and availability of services.

Service Monitoring monitors the performance parameters of individual services and their availability to all individual end customers.

Event Monitoring logs all the triggered actions and error cases and allows their full traceability.