Service delivery platforms (SDPs) have become, over the past decade, essential tools for the creation of mobile network services. Platforms based on service-oriented architectures are designed around abstract frameworks and are challenging various network realities. Modernizing and opening these platforms so that they can easily launch and host new and complex network services has become a main priority for the mobile industry.

Driving this trend are two key phenomena: the business imperative demanding faster introduction of new services and MNOs' requirements for wider user-reach with more commercial options for all type of services. Multi-country MNOs are also exploring efficient ways to easily offer a richer services portfolio on a group level.

In such a fast-moving, competitive business environment all players in the service delivery chain must be time-, cost- and technology-conscious.

In this environment Open SDP is a key answer towards a services-oriented telecommunications network, managing all business, technology and operating network aspects.

The Open SDP technology brings new dynamic service design, control and execution. It provides means to handle all service and network specifics across multiple core and legacy network nodes, layers and protocols (standard, proprietary and next generation).

The Open SDP architecture allows service orchestration, routing and proxying other service nodes. This Open SDP also enables incremental build-up of existing network components and thus works with or reuses existing service-flows in order to form new, up-to-market and increasingly richer services.

Today’s dynamic mobile markets drive MNOs to develop more, better and smarter network value added services, also known as Core VAS.

How can Open SDP fulfill MNOs needs for sustained development and delivery of high-volume innovative Core VAS services?

Open SDP aggregates legacy and next-gen network capabilities and content sources. In addition, it allows MNOs to create services in an undifferentiated way across all access channels.

Open SDP architecture has the following building blocks: an engine for call control, service logic execution and service orchestration, core network gateways, integration gateways providing easy integration to operator’s own and third party networks and nodes, profiling modules managing business, services and user specifics, a pricing and revenue module, a billing module, and an observation and ranking module for service usage and user behavior.

Most importantly, Open SDP comprises of an open Service Creation Studio to simplify design, development, testing, validation, preparation and deployment of Core VAS services, locally or remotely, either by the MNO, by third parties or even by end users.

The system is engineered with an interpreter of object structured languages and descriptors. It includes state machines and event sources managing modules, flows and services;

This design provides the means to open the core network, or an element of the core network, an operator service, a third-party service, an Internet service, or any other service. Moreover, Open SDP provides a transparency of the system vis-à-vis the core network.

About Opencode Systems
Opencode Systems (www.opencode.com) is a telecommunications solution provider, dedicated to open systems for the mobile network. Opencode makes network technology that is invisible to consumers but underlies many of the mobile services they use. Opencode core network centered solutions are deployed by major operators worldwide. Opencode USSD Center and Opencode Network Browser are the World’s #1 selling open mobile network platforms.

Visit us at the SDP Global Summit 2011, Stand T07.