



Next Generation Service Interfaces

Standardization in the Open Mobile Alliance

Facing the Technology Landscape Beyond Voice

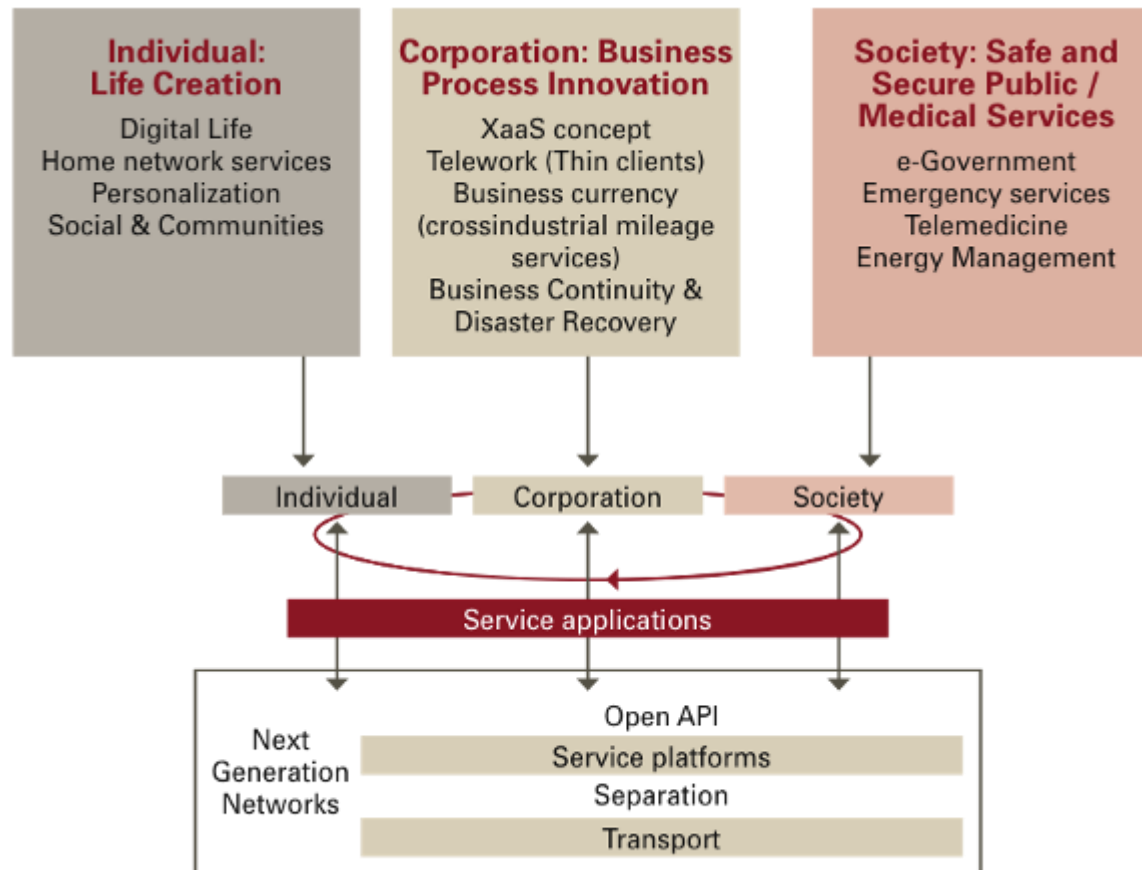
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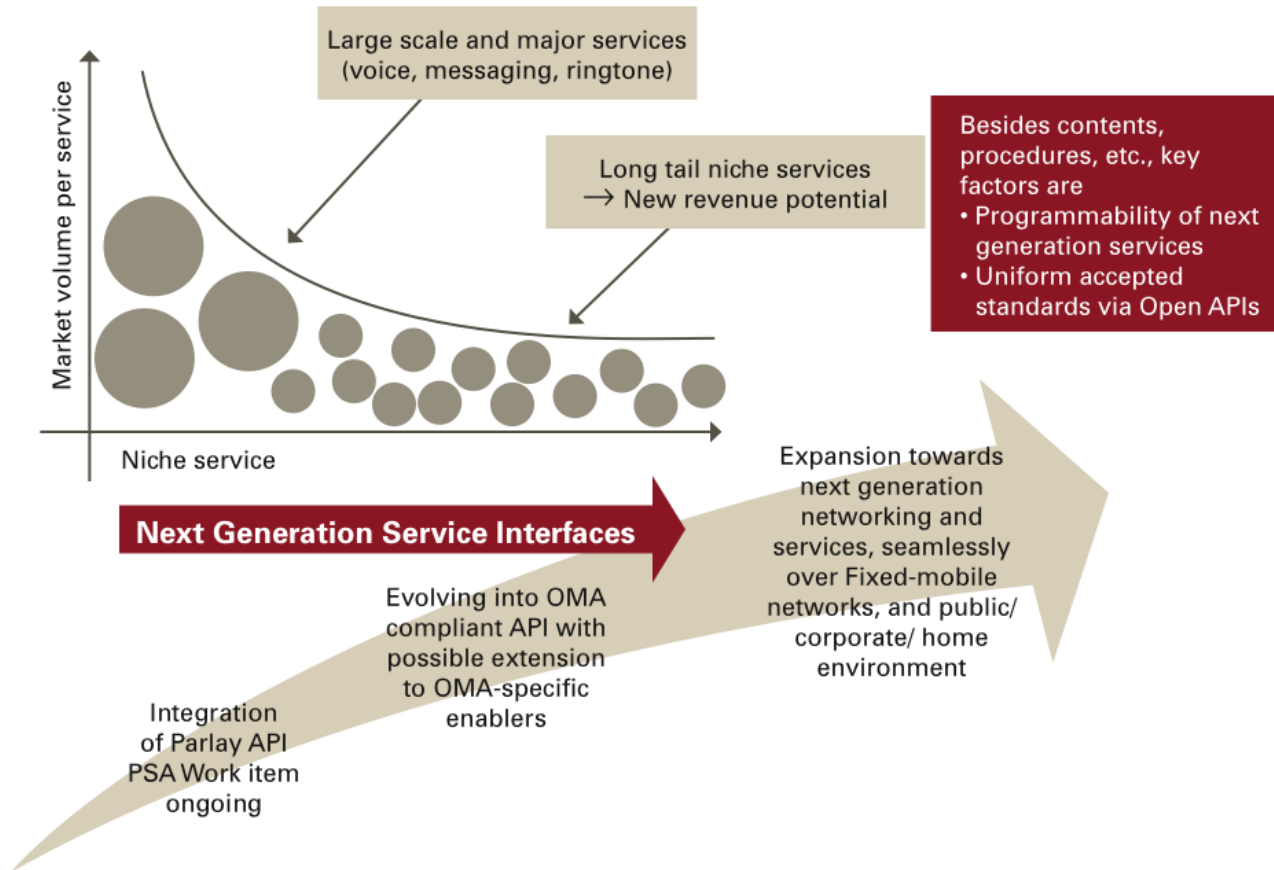
Challenges of Future Service World

Next Generation Services to be used in areas of individual, corporation, and society



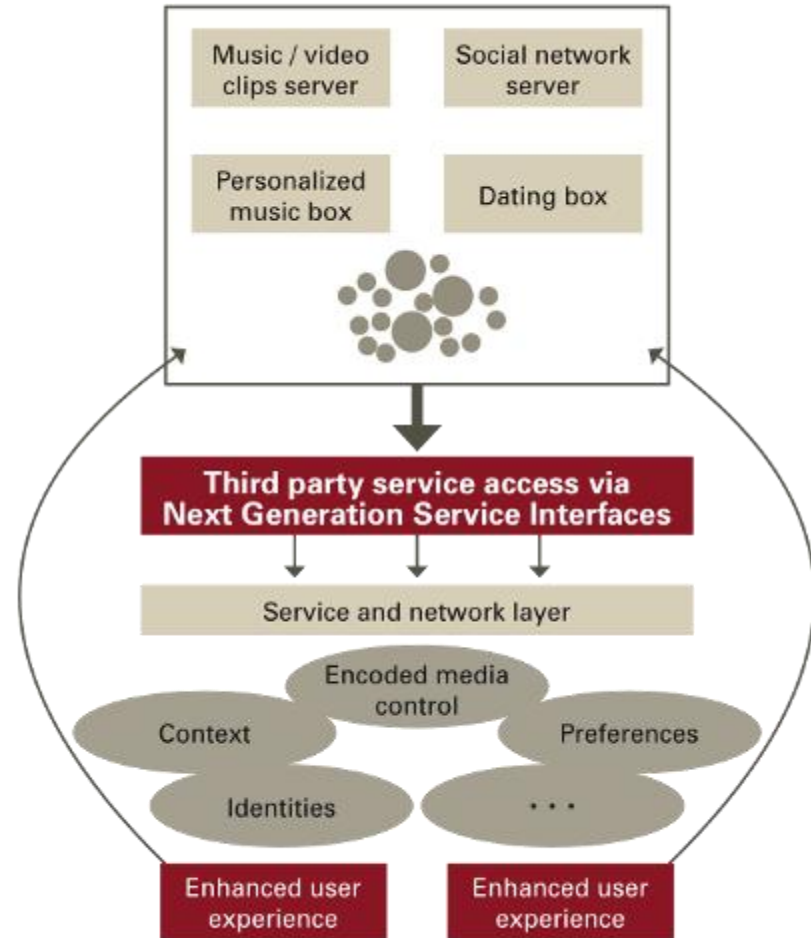


Evolution of APIs

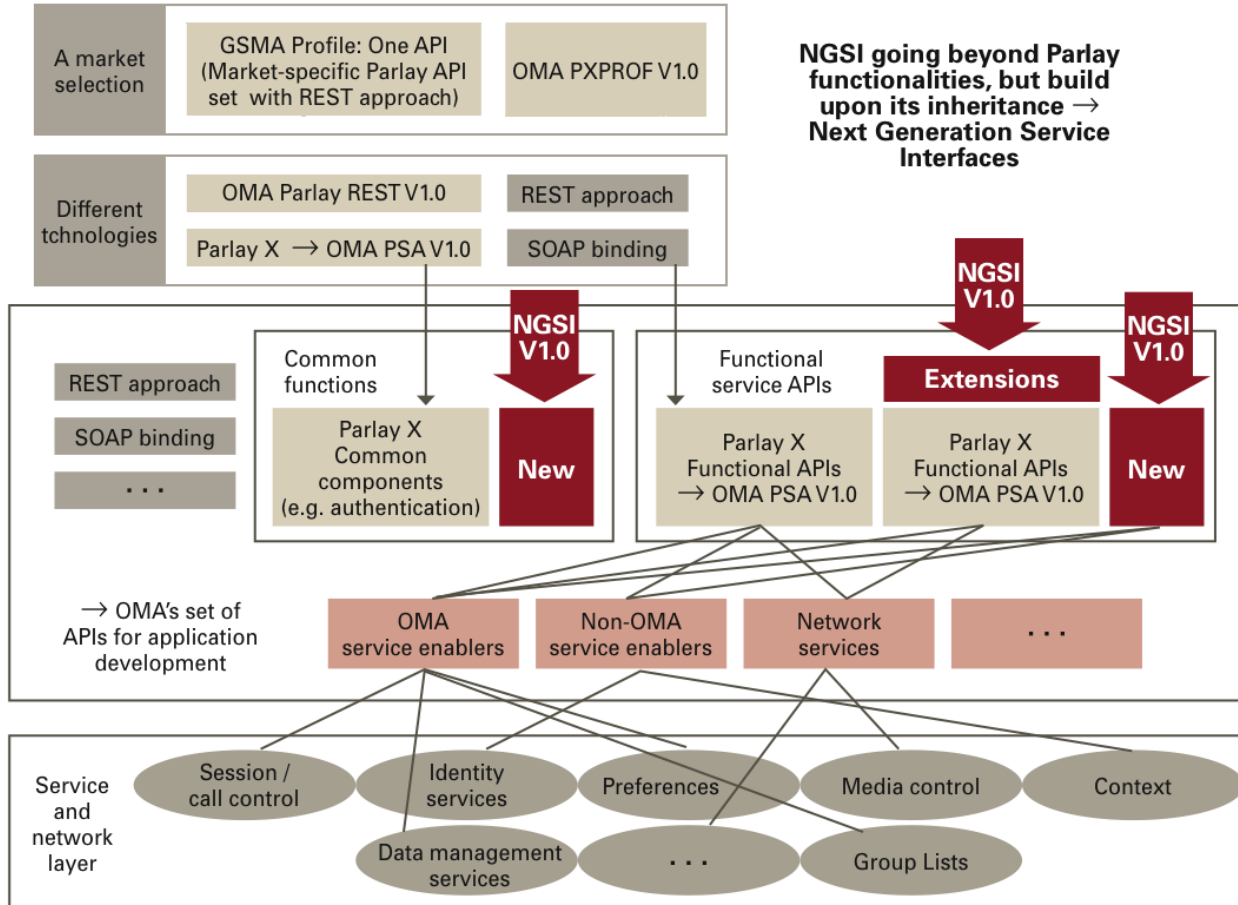


NGSI: Next Generation Service Interfaces

- Offering application interfaces to access network capabilities as well as to enhance existing communications
- Respecting device capabilities, service subscriptions, context, user profiles, privacy as well as their dynamic collaboration
- Leverage the enforced service capabilities from the applications, enhanced user experience and service consumption is provided
- NGSI sets focus on API extensions for server-to-server based 3rd party services



OMA API work: Positioning of NGSI





Objective and Scope

The objective of the NGSI V1.0 as of the WID:

Extensions for personal communication services, including

- Rich multimedia services
- Access to media/data storages and related control mechanism

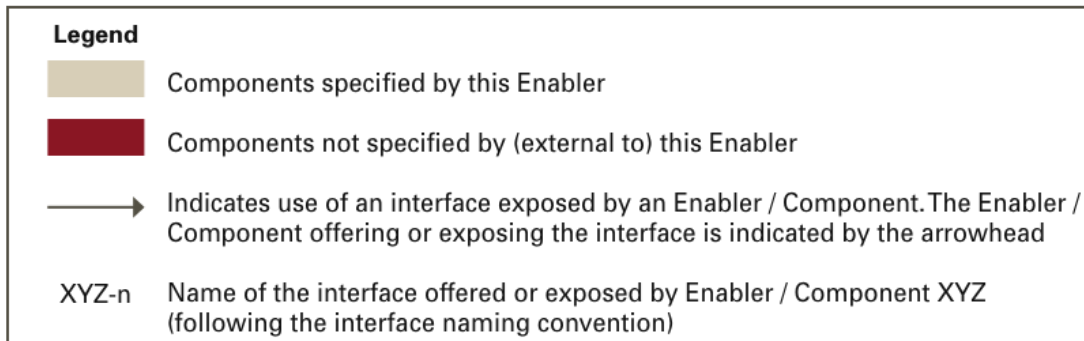
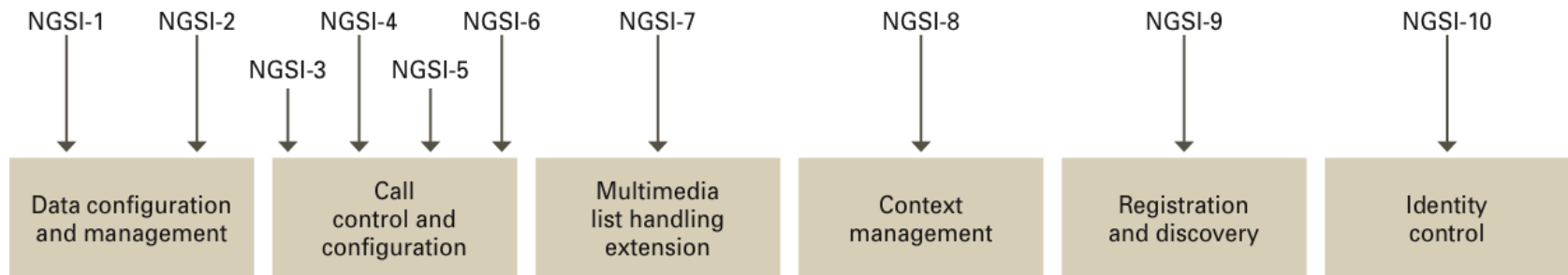
Related Context and Personalization within focus for multimedia services

The scope of the NGSI v1.0 is the standardization of new functional APIs for:

- Data Configuration and Management
- Call Control and Configuration
- Multimedia List Handling Extensions
- Context Management
- Identity Control
- Registration and Discovery functions



Architecture Diagram





Components and Interfaces

Data Configuration and Management

Management of data of XML documents

Notifications regarding updates to data stored in XML documents

Multimedia List Handling

Management of a multimedia list composed of Media identifiers or/and any Media types and usage mode

Manage the multimedia list conditions

Registration and Discovery

Registering resources

Searching for resources

continued

Components and Interfaces, *continued*

Call Control and Configuration

Management of media to configure call handling rules and methods

Configuration of multimedia conferencing

Context Management

Management of the Context Information about Context Entities

Management of Access to Context Information

Identity Control

Management of the Identities

Control of the Federation of the Identity





Status of the NGSI Standardization Work

Status

Work Item start: April 2009

Requirements Document: approved 21/09/2009

Architecture Document development started : July 2009

Targeted Architecture Document completion December 2009

Technical Specification development started: September 2009

References

Requirements Document Candidacy version:

http://member.openmobilealliance.org/ftp/Public_documents/REQ/REQ-NGSI/Permanent_documents/OMA-RD-NGSI-V1_0-20090918-C.zip

The latest version of the Architecture Document draft:

http://member.openmobilealliance.org/ftp/Public_documents/REQ/Permanent_documents/OMA-AD-NGSI-V1_0-20091020-D.zip