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PLATFORM

IMS Framework

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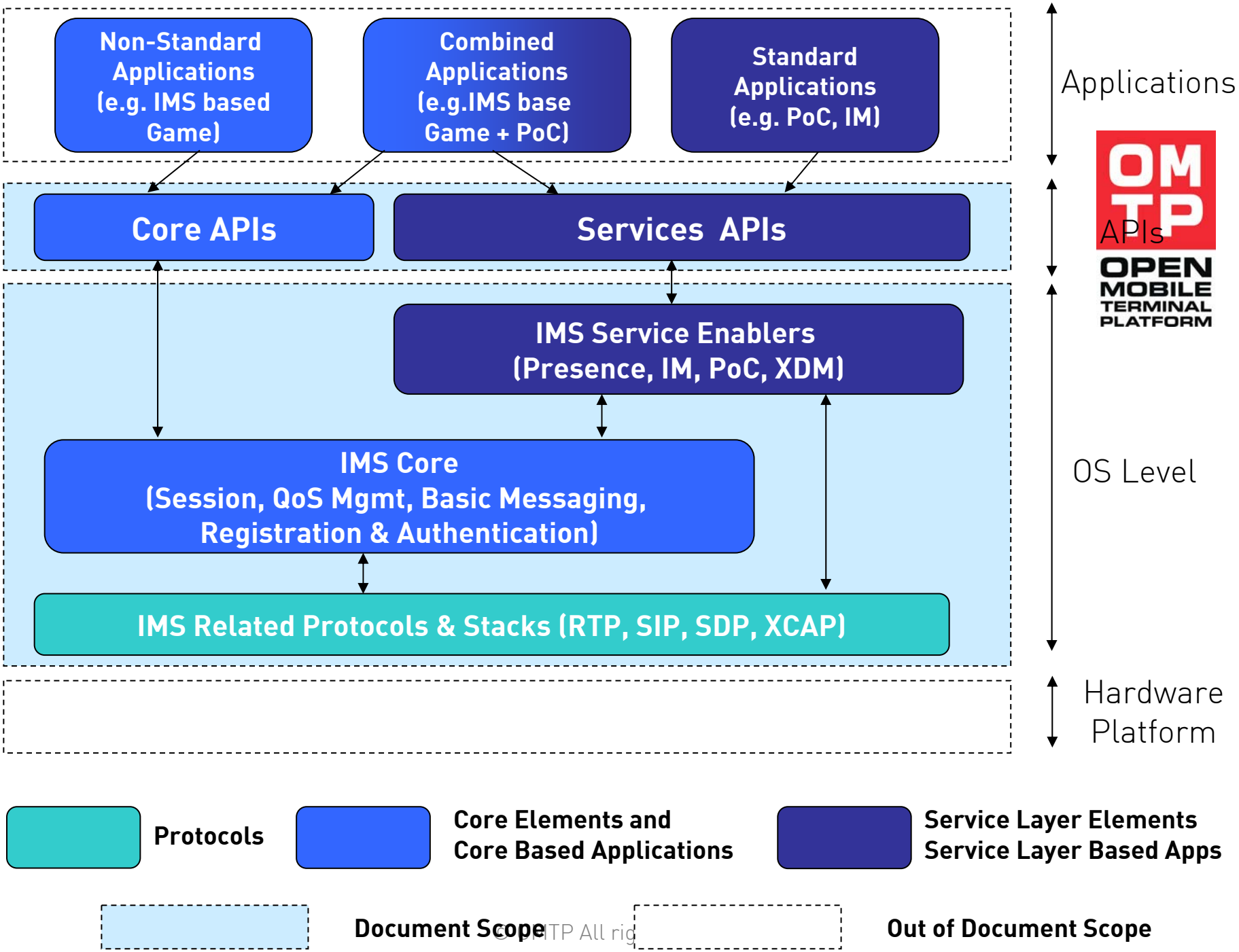
Business Rationale

- Although IMS is one most important technologies that have come out during the last years, the standardisation efforts on this area are still very focused on the protocols and do not provide a clear idea on how an IMS terminal should behave.
- OMTP Objectives:
  - Aggregate all the standards in a single forum
  - Provide a more comprehensive view on what an IMS terminal should be
  - Provide a less protocol-centric point of view
  - Pay special attention to define how IMS functionality should interact with the phone basic capabilities.


Non-Standard Applications (e.g. IMS based Game)
Combined Applications (e.g.IMS base Game + PoC)
Standard Applications (e.g. PoC, IM)
Applications
Core APIs
Services APIs
APIs
OMTP
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IMS Service Enablers (Presence, IM, PoC, XDM)
IMS Core (Session, QoS Mgmt, Basic Messaging, Registration & Authentication)
OS Level
IMS Related Protocols & Stacks (RTP, SIP, SDP, XCAP)
Hardware Platform
Protocols
Core Elements and Core Based Applications
Service Layer Elements Service Layer Based Apps
Document Scope
Out of Document Scope

Task Scope & Status

- OMTP requirements version 1 define the minimum functionality required for:
  - **IMS APIs** (e.g. The UE MUST offer an API to allow applications to retrieve the PoC groups available on the UE)
  - **IMS Service enablers** (e.g. "The UE MUST support OMA PoC v1.0")
  - **IMS Core functionalities** (e.g. "The UE MUST be able to perform the mechanisms defined in section 8.6 of 3GPP TS 34.229 [40] for Initial registration for combined IMS support and early IMS security against a network with early IMS support only")
  - **IMS related protocols** (e.g. "The UE SHOULD support DHCPv6")
- IMS Recommendations V1 are expected to be available at the OMTP Website during May
- The task will continue within OMTP in order to address new functionalities defined by the SDOs (e.g. 3GPP R7, OMA PoC v2.0....)

Requirements based on OMA standards

- OMTP reference OMA standards for the Service Enablers:
  - PoC
  - XDM
  - SIMPLE IM
  - Presence SIMPLE
- OMTP recommend to adopt these enablers as defined by OMA and suggest to implement some optional features they specify
- OMTP further work is expected to refer to some other OMA enablers (e.g. SIP Push, CPM…)


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