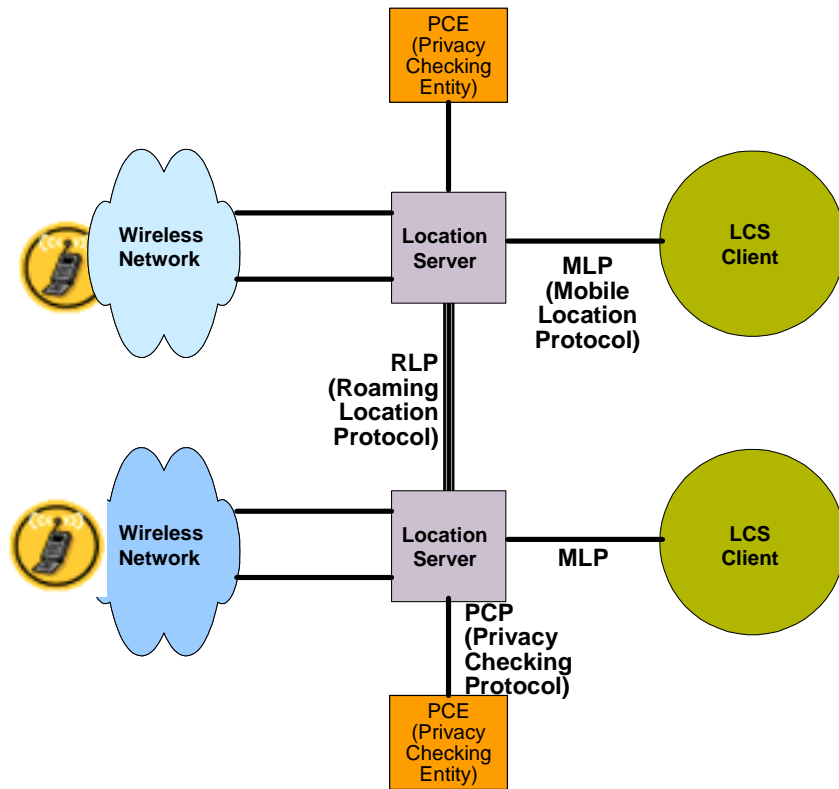


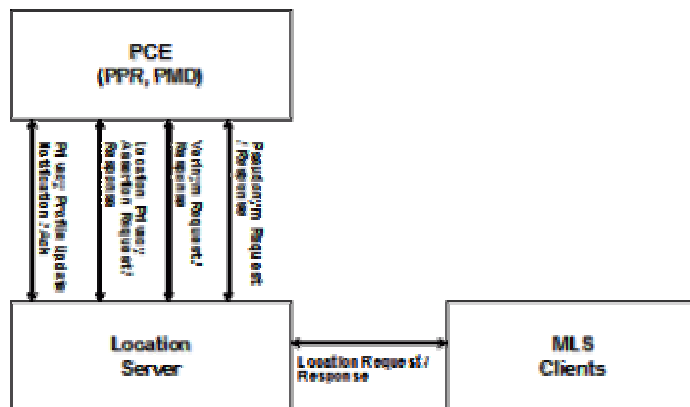
## [LBS] OMA

Location-based Services (LBS)는 위치 기반 서비스를 제공하는 서비스이다. OMA는 Location Services (LCS)를 정의하며, 이는 Location Interoperability Forum (LIF)에서 개발되었다. LIF는 MLP (Mobile Location Protocol), RLP (Roaming Location Protocol), SUPL (Secure User Plane Location), PCP (Privacy Check Protocol) 등을 정의한다. SUPL은 LOC WG가 정의하며, Sprint, Vodafone, Orange, China Mobile, Telefonica Moviles, Telia Sonera, Orange, Nokia, LG, Siemens, Ericsson, Qualcomm, TCS, ETRI, Openwave, SUPL, MLS, LOC, MLP, RLP, PCP, SUPL, MLP (Mobile Location Protocol) (location server) (LCS client) MLP가, RLP (Roaming Location Protocol) RLP MLP DTD element attribute roaming



< 1 > MLP RLP, PCP

PCP(Privacy Checking Protocol) 가 privacy  
 , privacy  
 . Privacy PCE(Privacy  
 Checking Entity) , PCP PCE . PCP  
 privacy assertion service, pseudonym/verinym mediation service, privacy update  
 notification service .



< 2 > PCP

Secure User Plane Location(SUPL)

control plane

user plane

가

control plane

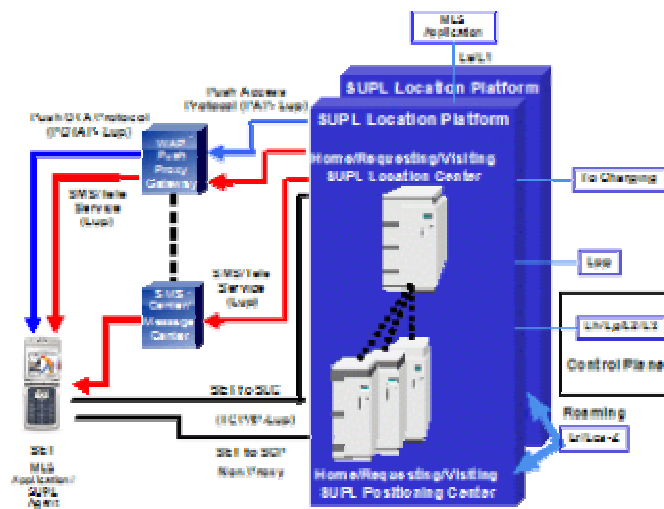
control plane signaling

protocol

control plane

upgrade

SUPL



< 3> SUPL

SUPL	Vodafone	LOC WG	WI	가		
2003	가	가	가	1	2004	12
		SUPL 1.0			SUPL 2.0	가
	SUPL	OMA	3GPP2	TIA		

OMA LOC WG

- MLP : Mobile Location Protocol Version 3.2
- RLP : Roaming Location Protocol Version 1.0
- SUPL: Secure User Plane Location Requirements Version 1.0 , 2.0
- PCP: Privacy Checking Protocol Requirements Version 1.0

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