

IMS Architecture and Network Convergence

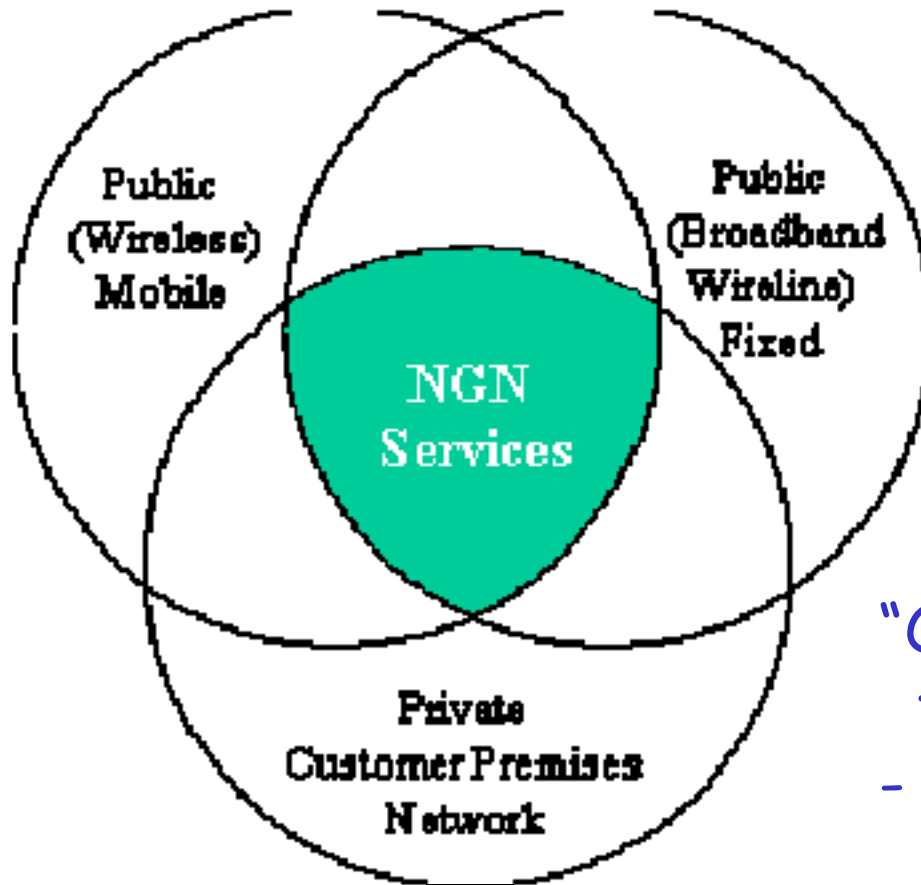
Larry O’Pella

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Alcatel



*ATIS at SUPERCMM 2005
June 7-9, 2005*

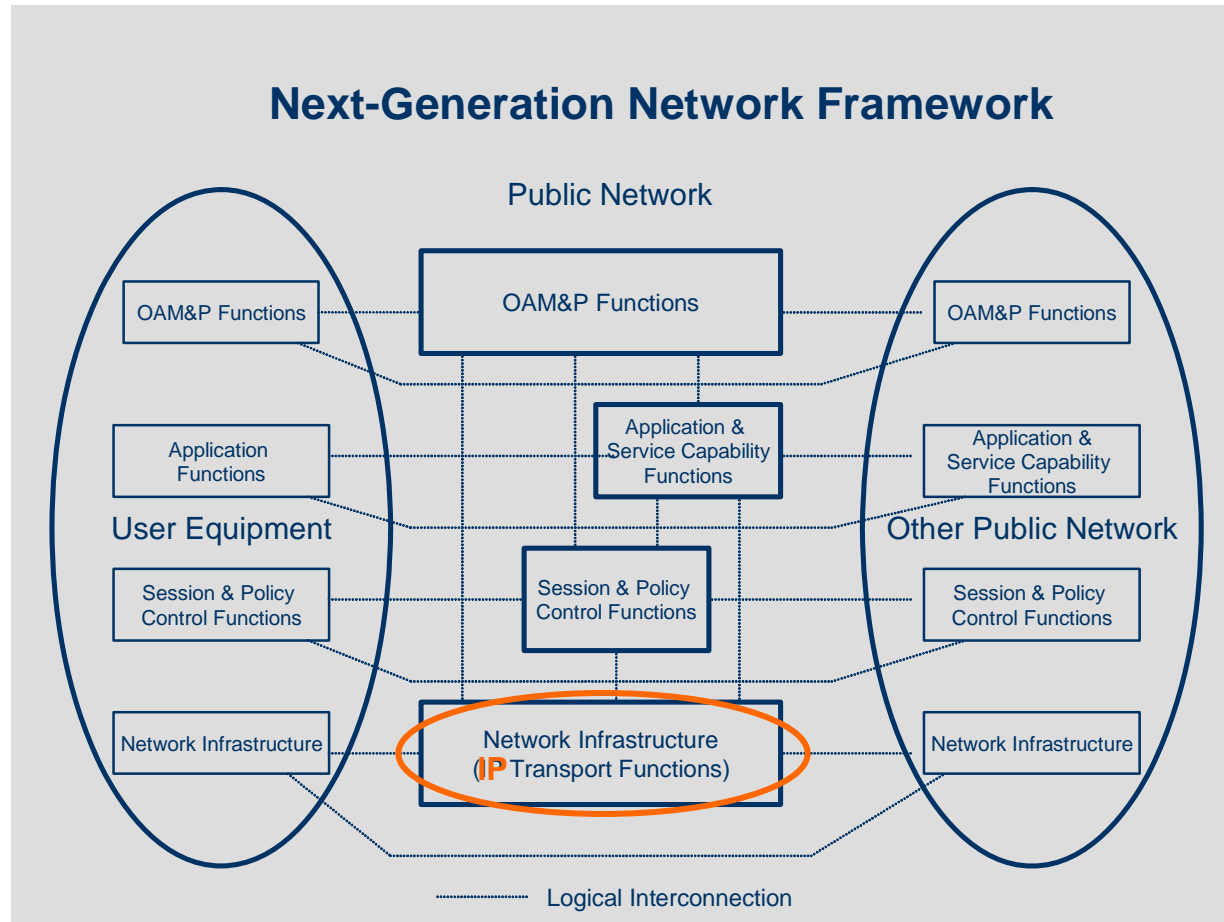
ATIS NGN-FocusGroup Viewpoint



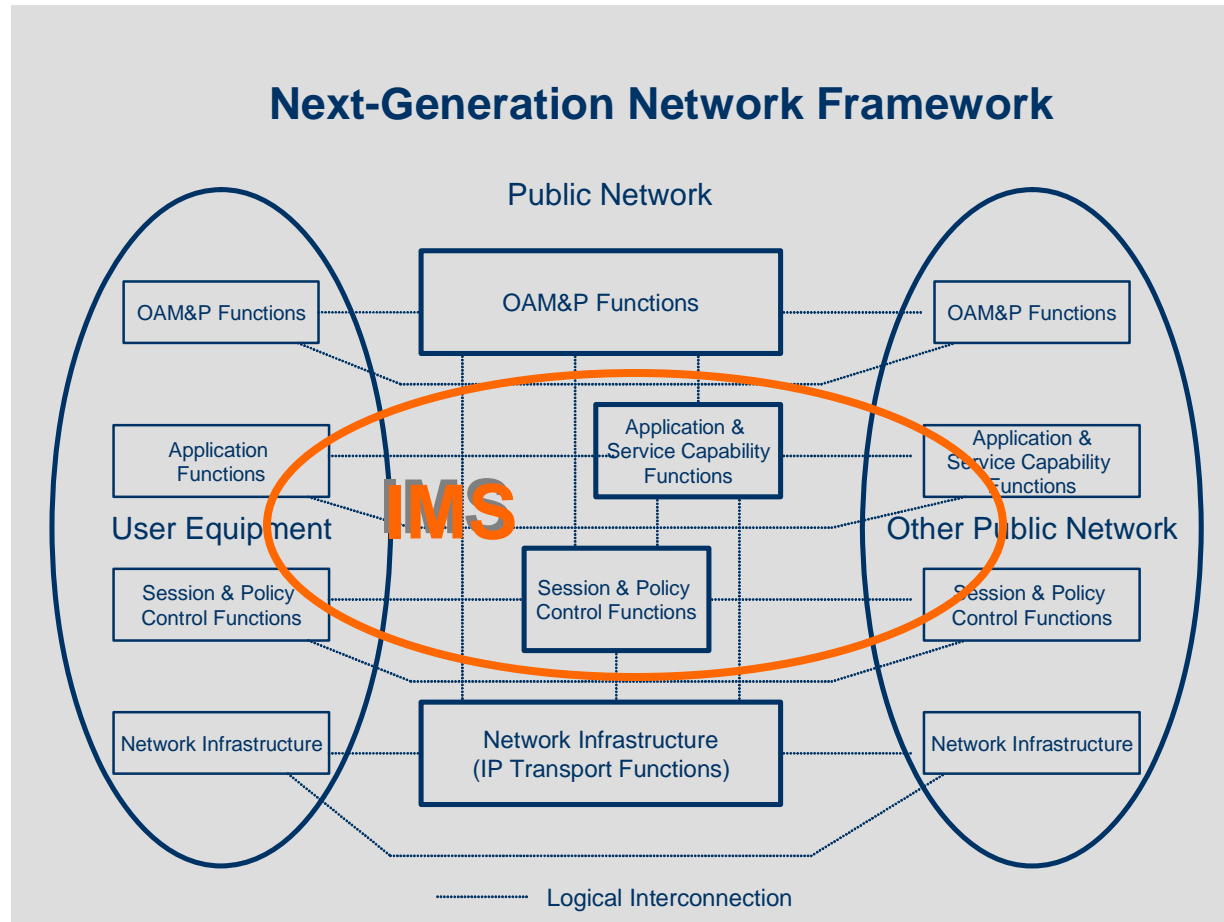
"One picture is worth
ten thousand words"
- Frederick Barnard



Framework for a Common Architecture



Framework for a Common Architecture



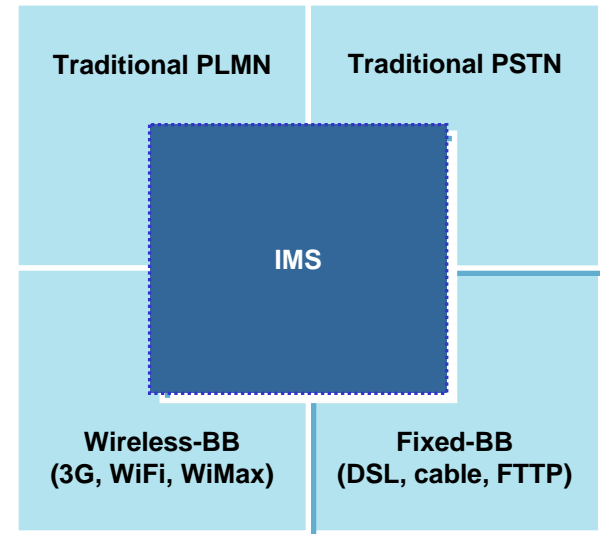
Why IMS?

- IP Multimedia Subsystem (IMS) will be at the core of converged networks

- For every type of network operator
- Impacting everyday aspects of business

- IMS is the key enabler to accelerate network convergence and flexible service delivery

- **Mobile operators** are implementing cost-effective network evolutions in preparation for IMS while trialing pre-IMS
- **Fixed operators** are deploying SIP-based architectures on cost-effective IP infrastructures, evolving naturally to IMS



IMS Standardization

... a Global Phenomenon

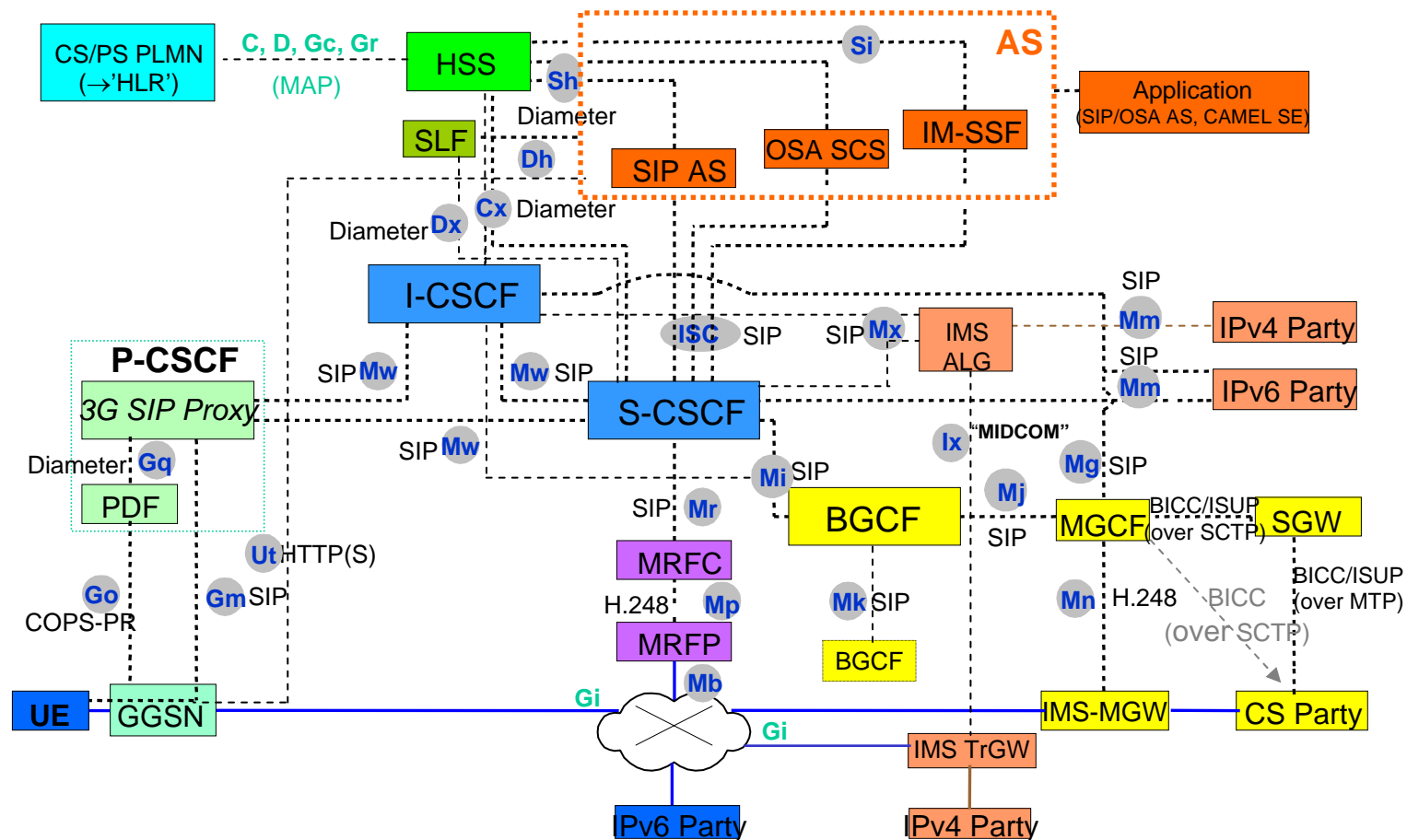
- ITU FG-NGN
- ATIS NGN-FG
- ETSI TISPAN
- PacketCable 2.0
- 3GPP/3GPP2
- IETF SIP RFCs

"If I have seen farther
than other men,
it is because I have stood
on the backs of giants"

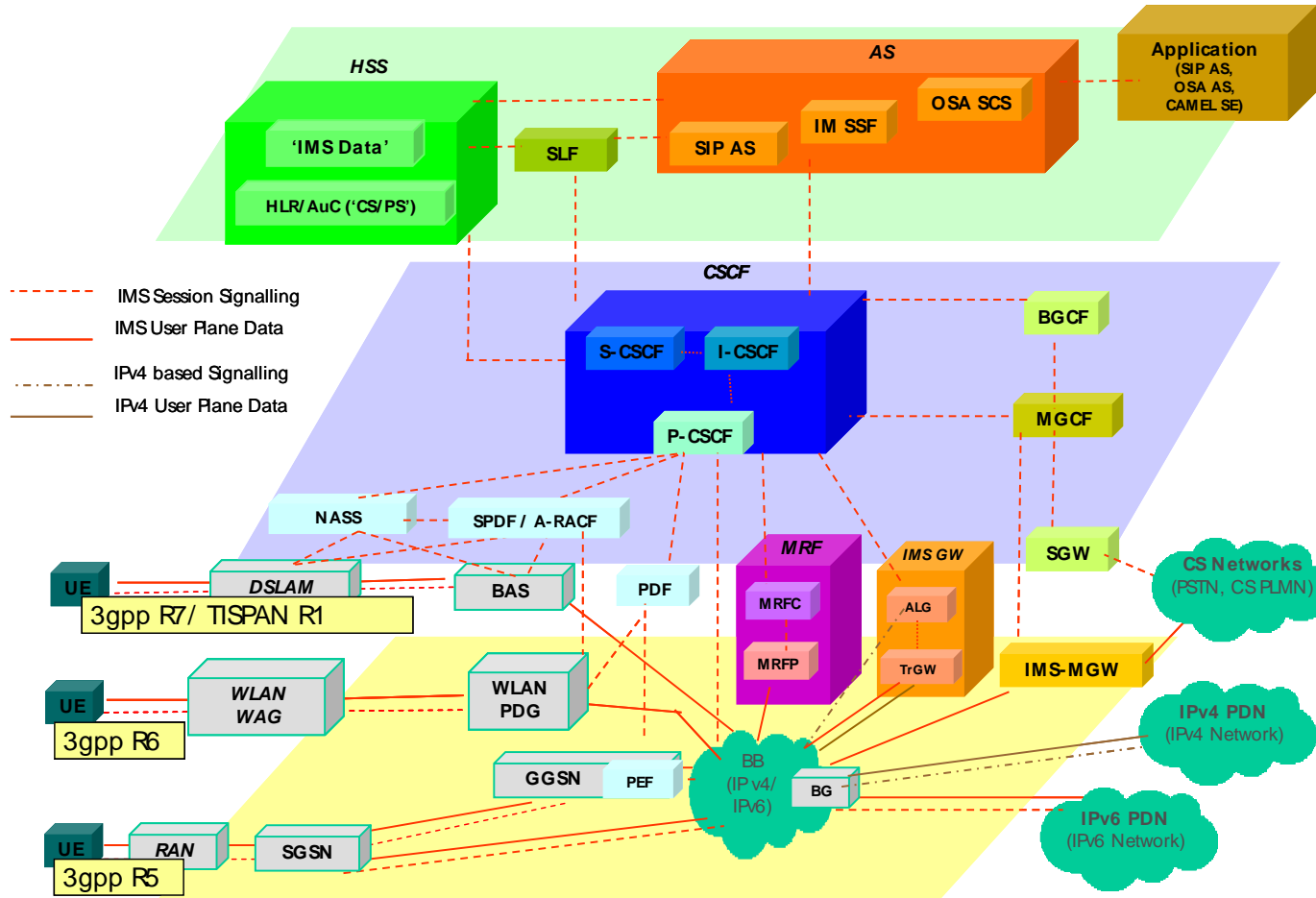
- Sir Issac Newton



IMS Interfaces & Protocols



Convergence: Wireless and Wireline



ATIS at SUPERC0MM 2005
June 7-9, 2005

“A rose by any other name ...”

- William Shakespeare

Fixed-Mobile Convergence (FMC)

Bringing Mobility to Broadband

Ultimately, any IP application over any BB access

- Convergence itself will enable new service offerings

IMS is the technology which enables FMC

- Various pre-IMS options in the market (UMA, IMR)
- Pre-IMS tactics should evolve smoothly to IMS



Thank You!

“Man's mind,
once stretched by a new idea,
never regains its original dimensions.”
- Oliver Wendell Holmes

“College isn't the place to go for ideas.”
- Helen Keller

