

ITU-T / ATIS Workshop
“Next Generation Technology and Standardization”

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**An Implementable NGN
Architecture**

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ATIS INITIATIVES – NGN GOALS

- o End-to-End Service View
- o Interoperability - a KEY Issue
- o Business Driven - Services to Customers
- o Implementable Standards and Solutions

ATIS's NGN Initiative was formed
with these goals in mind

- NGN Architecture should have the Following:
 - IP Based
 - Multimedia Capable
 - IMS Based Core
 - Services Capable of Continuity
 - Multiple Networks and Carriers
 - Emergency Services and Government Support

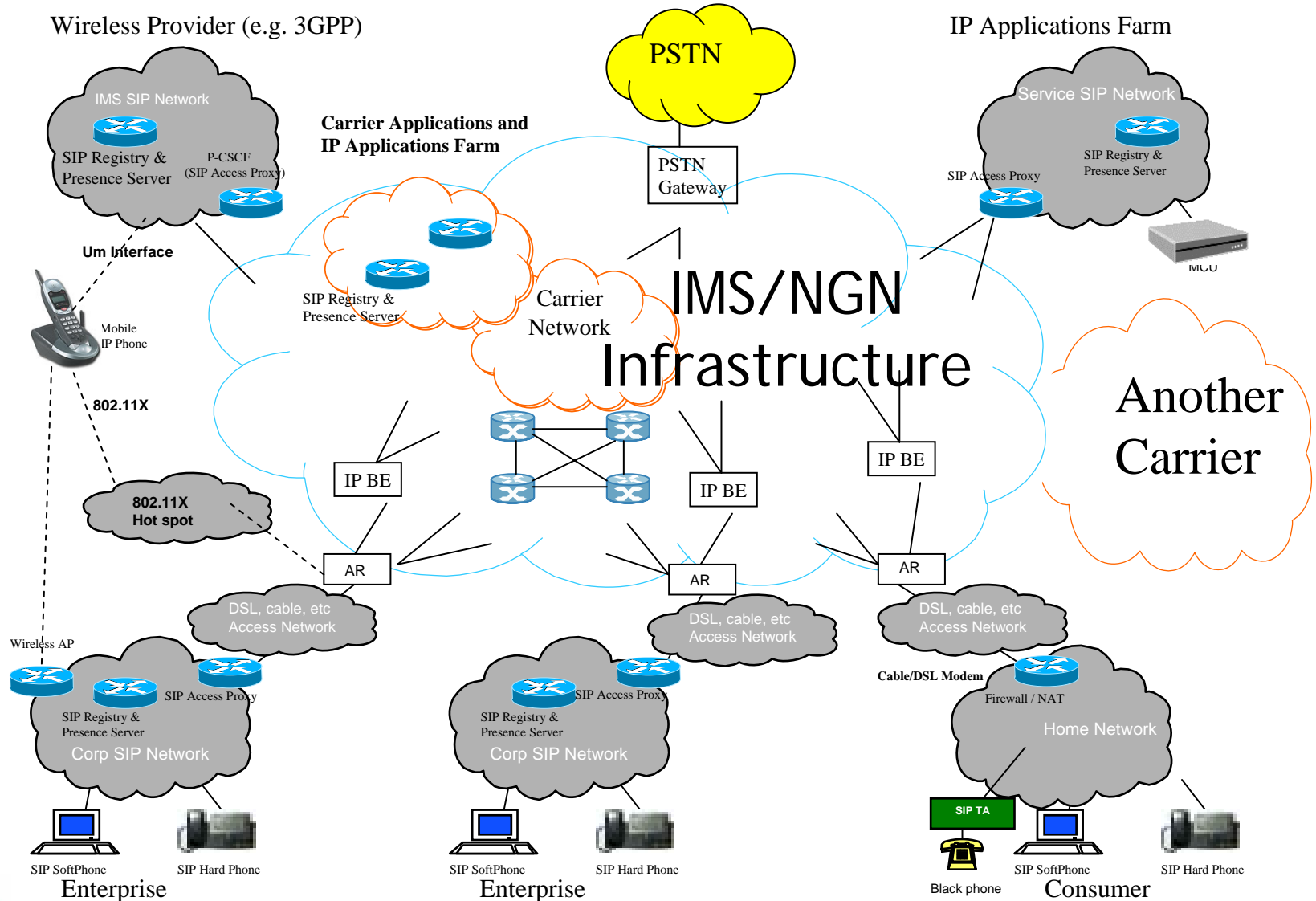


Major Standards Bodies Undertaking NGN Work

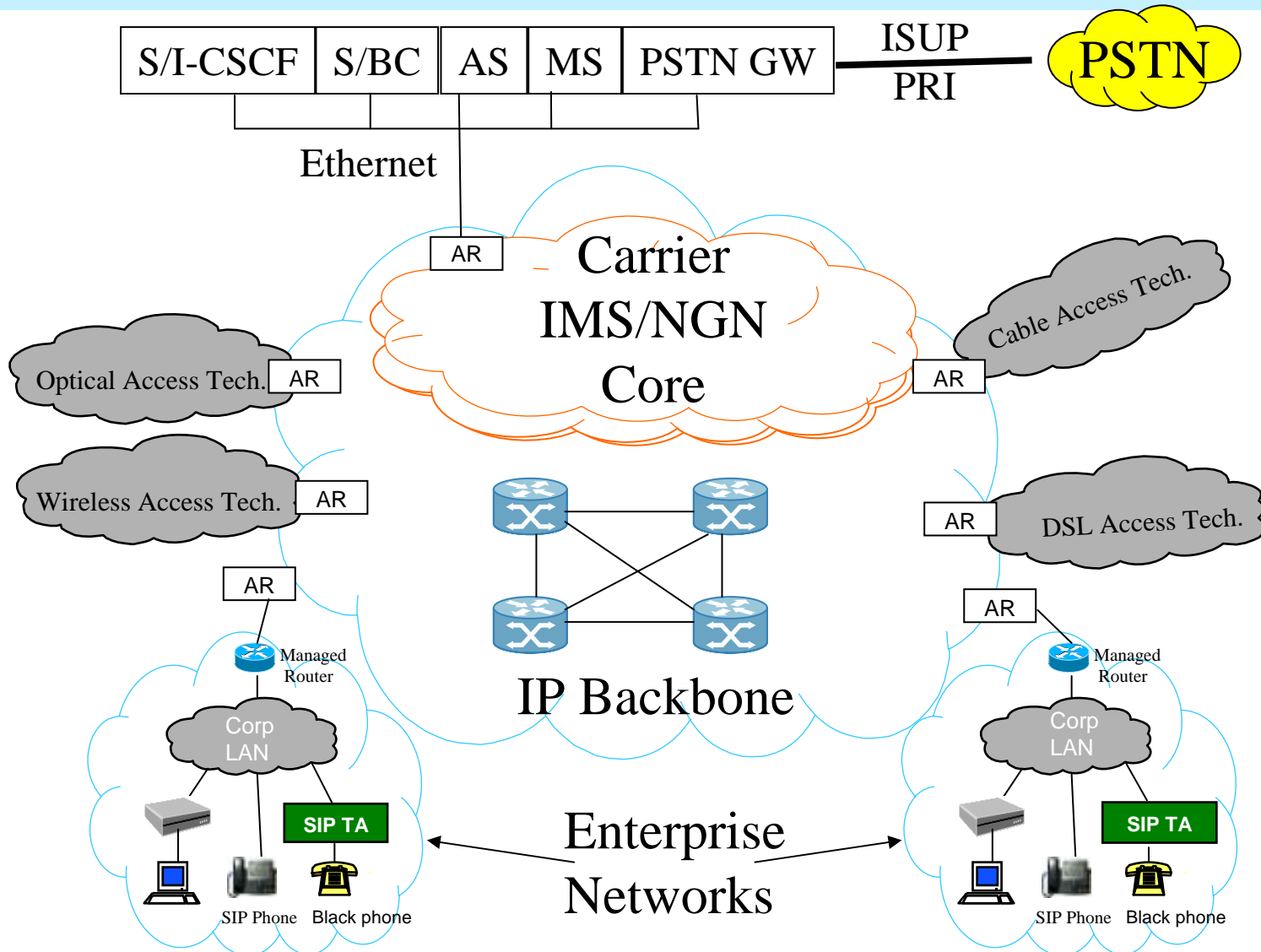
- o ITU-T
 - Study Groups 2, 4, 11, 13, 19
 - NGN Focus Group > Global Standards Initiative (GSI)
- o ATIS
 - NGN Focus Group (from Mobile Wireless Svcs FG)
 - PTSC, PRQC, etc
- o ETSI
 - TISPAN
- o 3GPP
 - Services & System Aspects (SA)
 - Core Network & Terminals (CT)



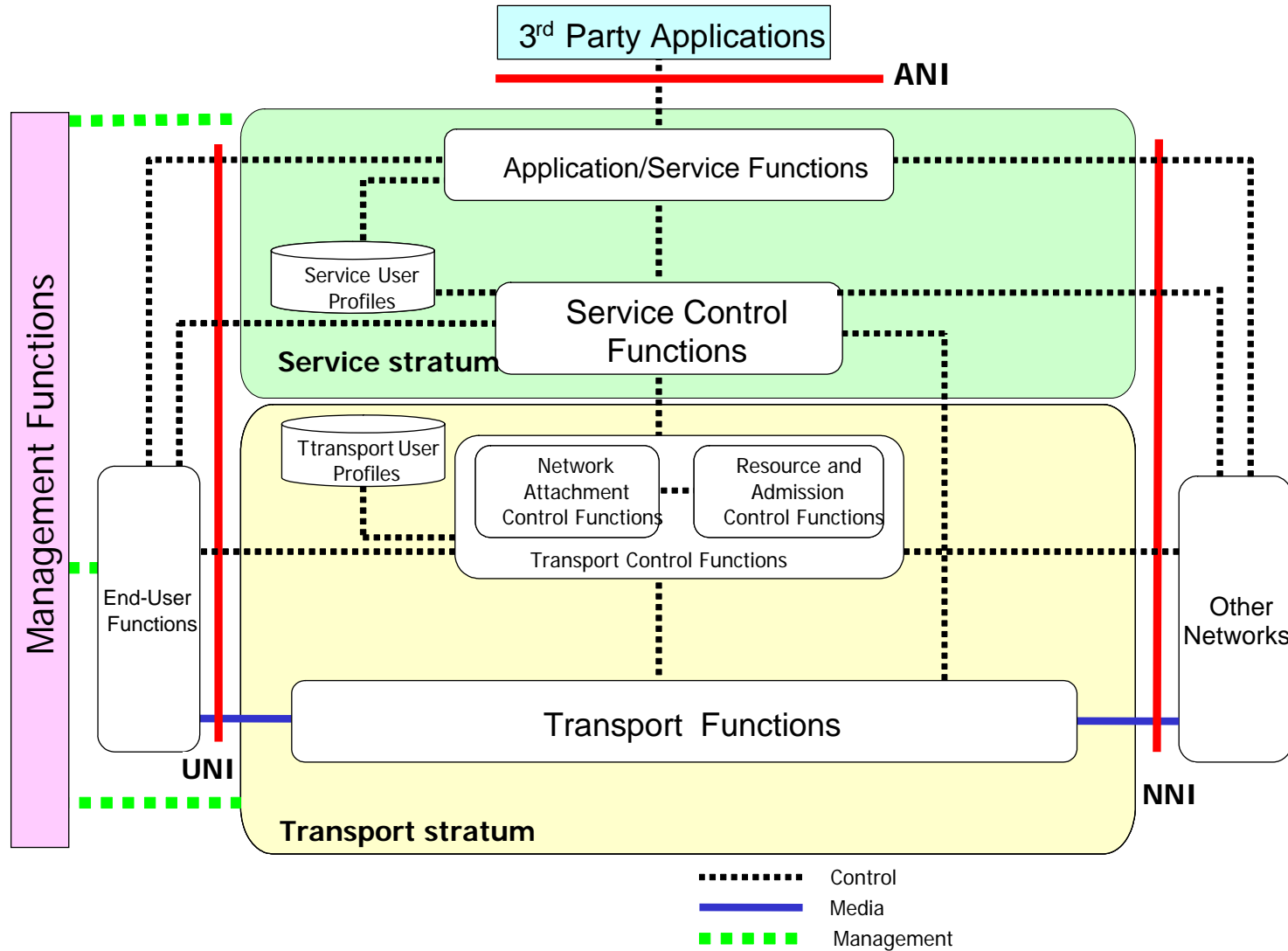
NGN Architecture



NGN Architecture



NGN Architecture Overview



NGN ISSUES TO BE ADDRESSED

- Network-to-Network Interconnection and Interworking
- Application Server Interface Functionality
- Service Continuity
 - Across different access modes
 - Between different operators
- Wireless-Wireline Integration
 - Common Services (“Portable”)
 - Continuity across different access networks



FUTURE NGN WORK – “LET’S MOVE FORWARD!”

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Thank You