ETSI new activities: E2NA

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ENHANCING ETSI NETWORK ACTIVITIES (E2NA)

When a cluster gets implemented in the technical organization

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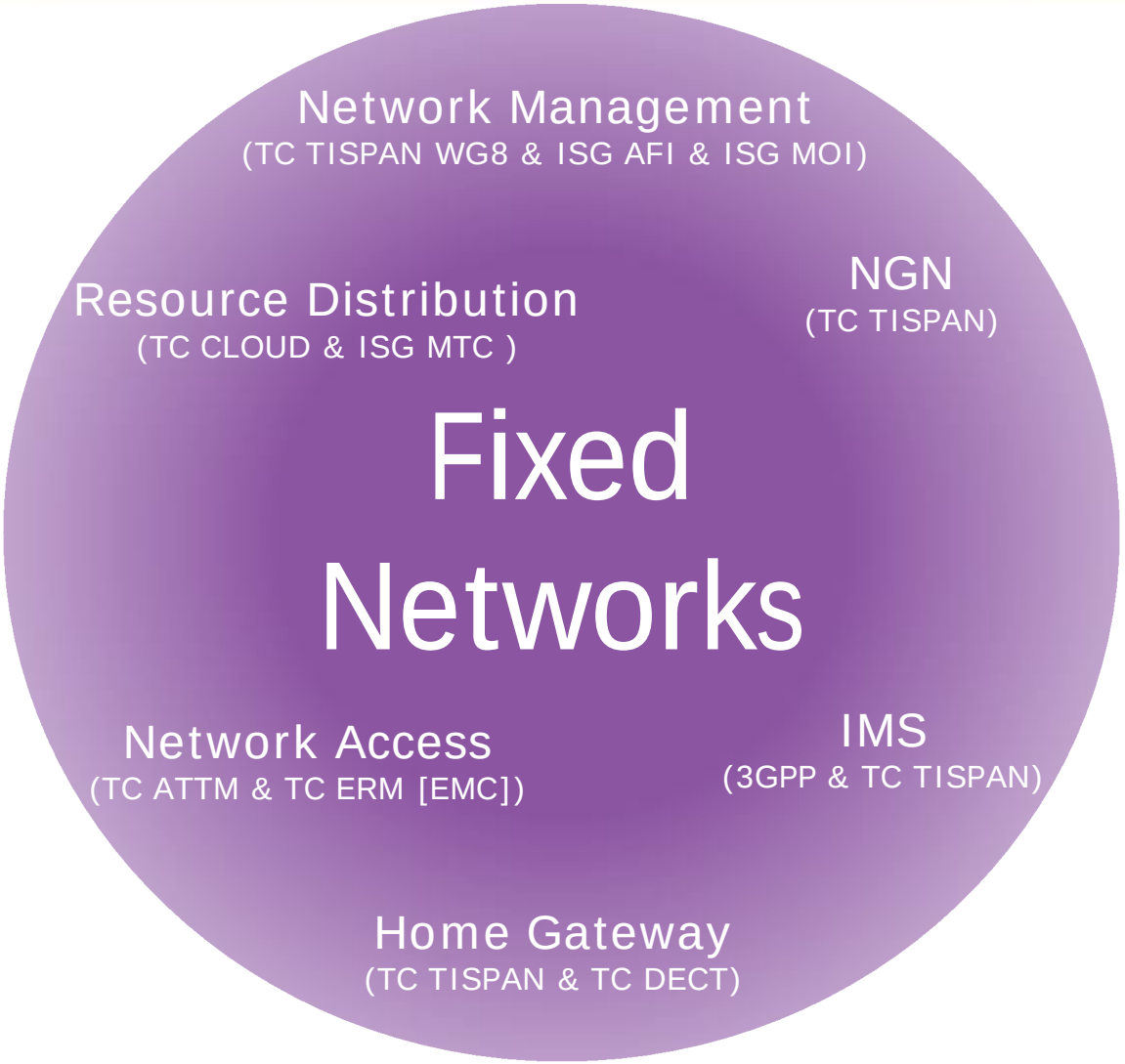

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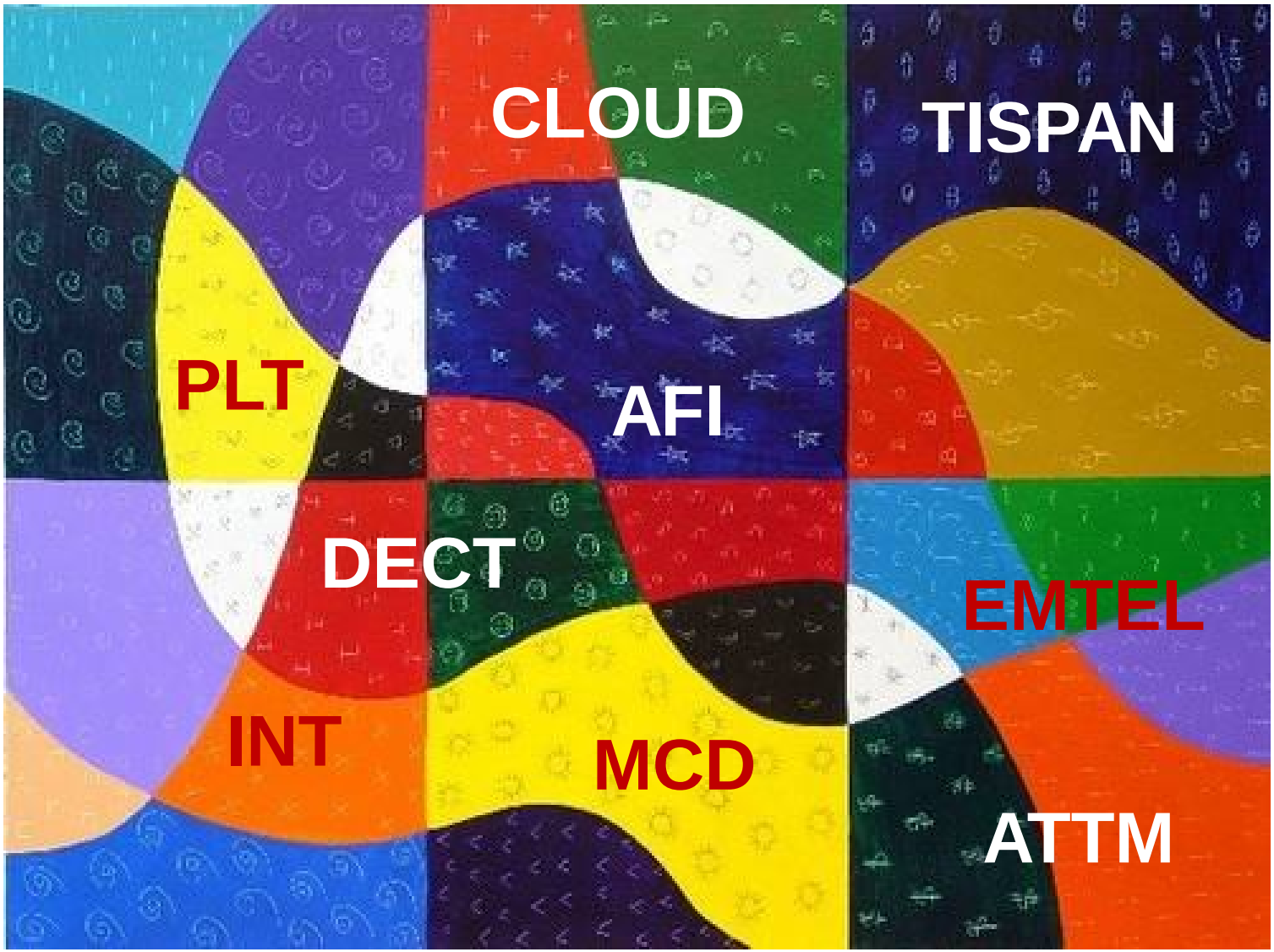
What is the Fixed Networks cluster?

Fixed Networks



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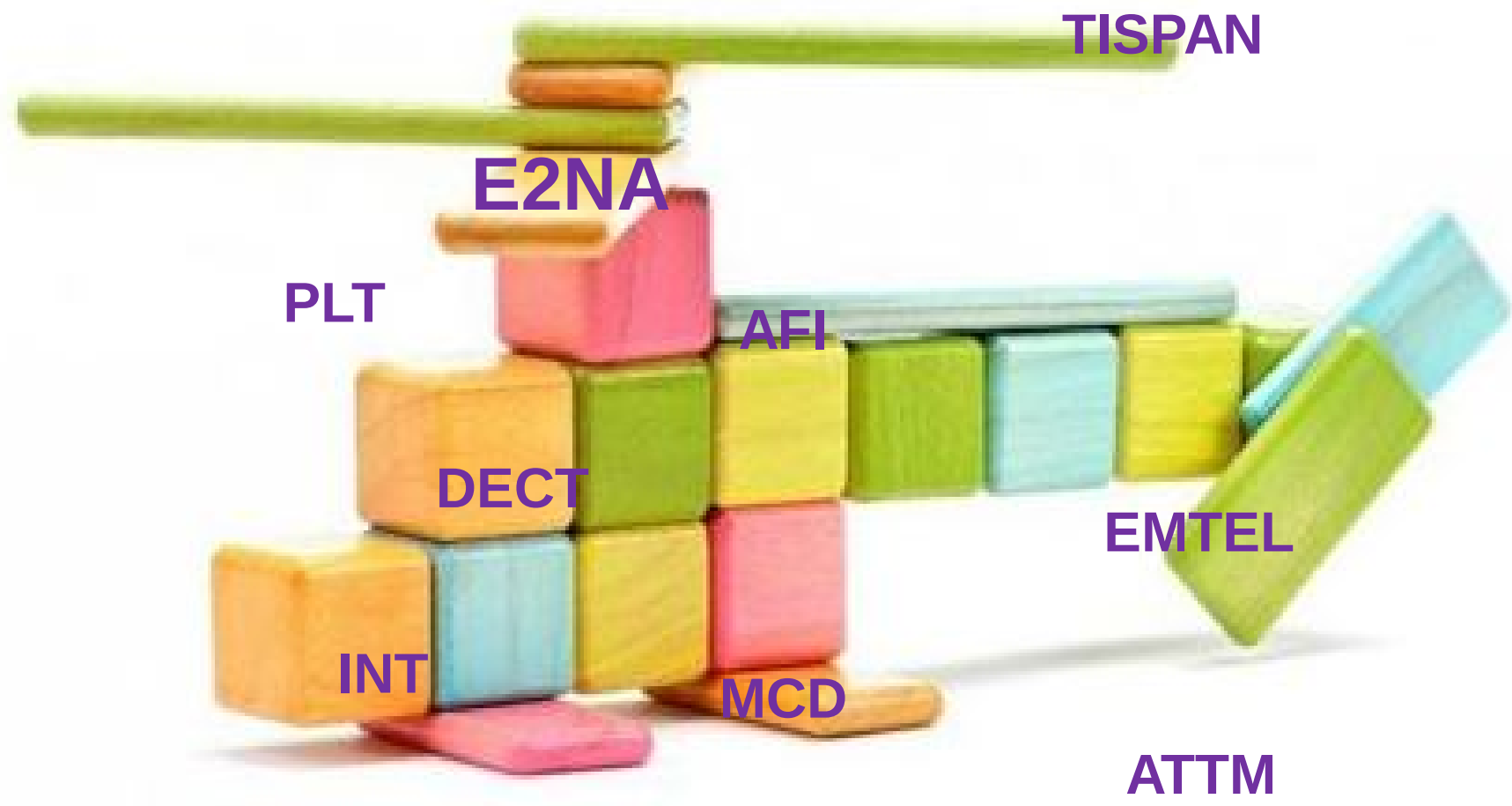

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Moving...

To a set of enablers making communication networks capable of supporting any (end-user) terminal and any service

From fragmented approach

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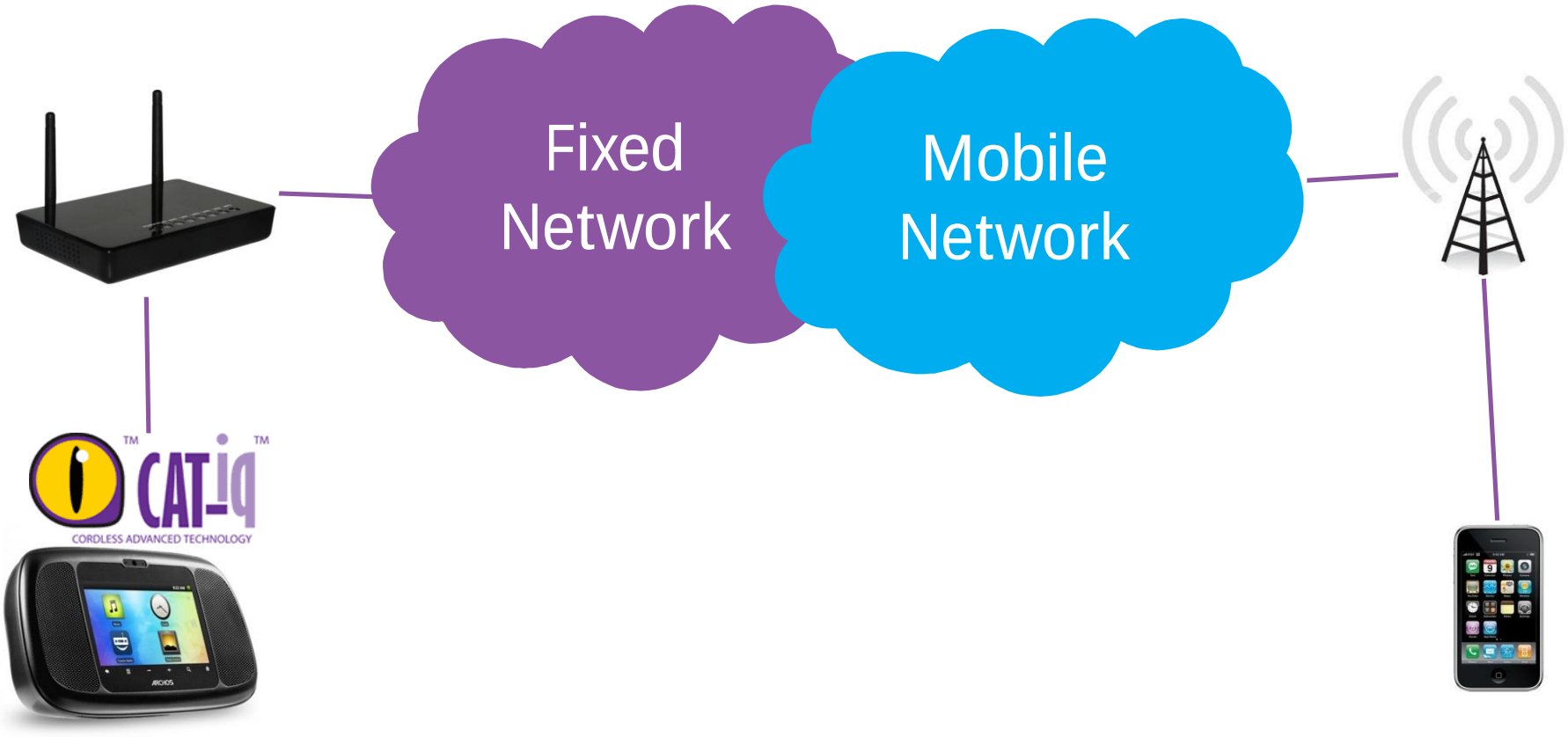
E2NA Goal

- Build communication networks enabling end-to-end service delivery



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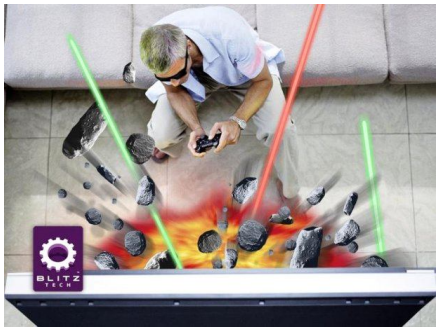
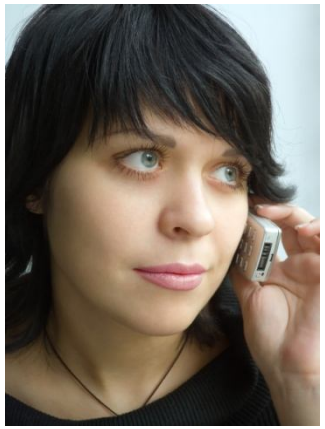
E2NA Goal

Fixed Networks

The Sytem





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E2NA Scope

- Global end-to-end system view
- encompassing terminals, home network, access networks, core networks and application servers, using different technologies
- focal point for network architecture and an overview of network requirements
- complementary to the work of 3GPP
- in cooperation with other external groups including standardization organizations and fora

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E2NA principles

- **The spirit of 3GPP should be a guidance for creation of an EP working with an architecture view with an end to end vision**
  - Use a planned, system-focussed approach
  - System-based requirements capture
  - Standardization of system architecture and end-to-end system approach
  - Establish & maintain a roadmap (with regular releases) which identifies short-term and medium/long term objectives

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E2NA areas of activity

- Be responsible for the specifications on the following aspects:
  - Next generation and future networks technologies
  - Architecture and framework for fixed mobile network interconnection
  - Migration across network generations
  - Network Management
  - Numbering Naming Addressing and Routing
  - Testing (conformance, interoperability, performance, security)
  - Security
  - Home network
  - Fixed Access Networks

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Current activities to be transferred to E2NA

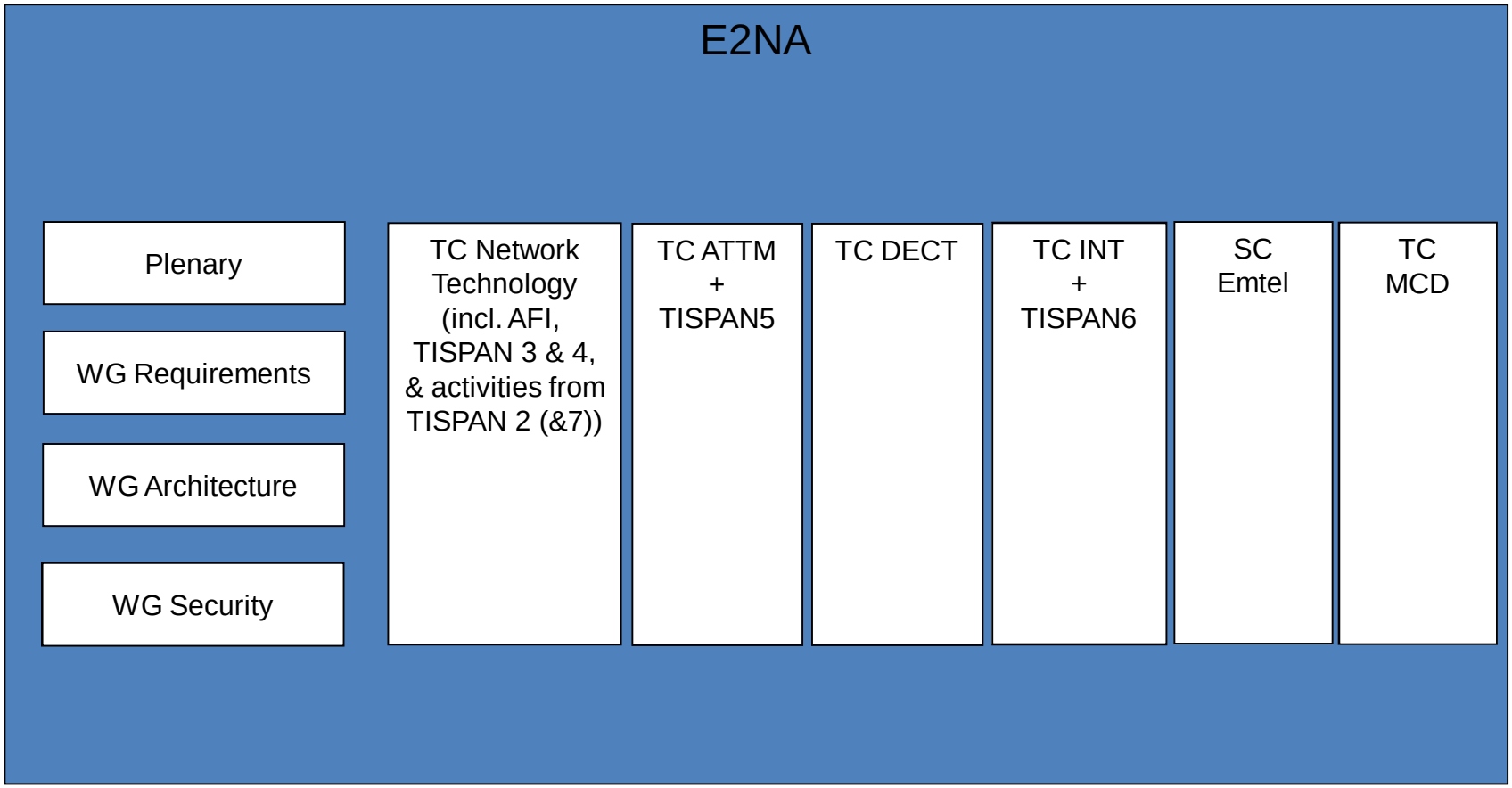
- Current TCs would transfer their fixed-network standardization activities to this new EP:
  - AFI,
  - TISPAN,
- Independent TCs within the E2NA activity (keeping independence and participating in the OCG)
  - ATTM
  - DECT
  - EMTEL
  - INT (noting that INT covers Network-Network testing also with mobile networks)

Current activities to be considered at a later date

- Cloud
  - Future direction & work programme are currently being consolidated
  - Current priorities are for layers above the network layer
  - APIs may need to be defined as market scenarios are clarified
  - Network as a Service is in the scope of E2NA; but no work has started yet

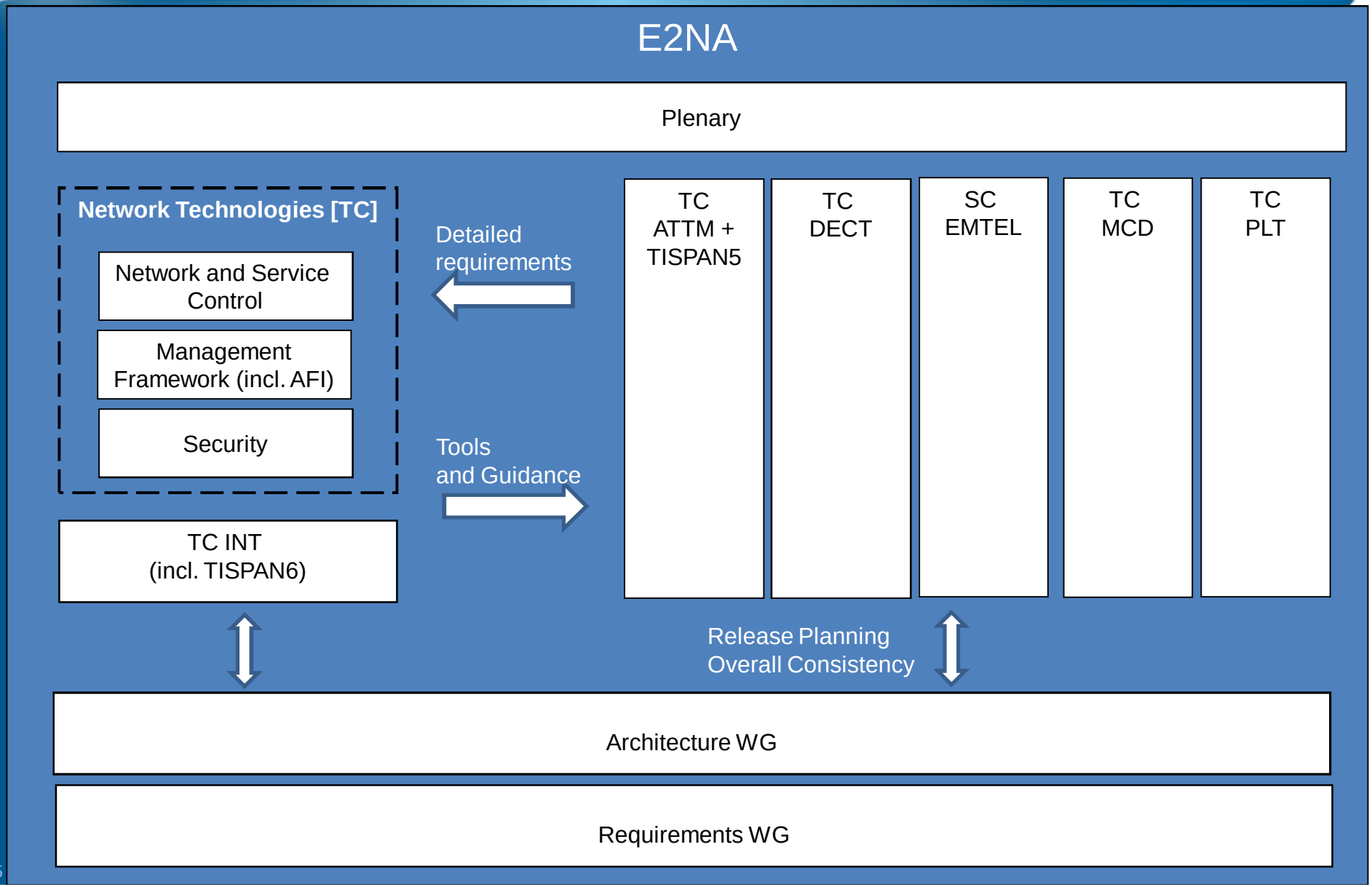
➔ It is planned to set up a liaison between E2NA & Cloud to keep the situation under review.

Possible structure Board#87 outcome

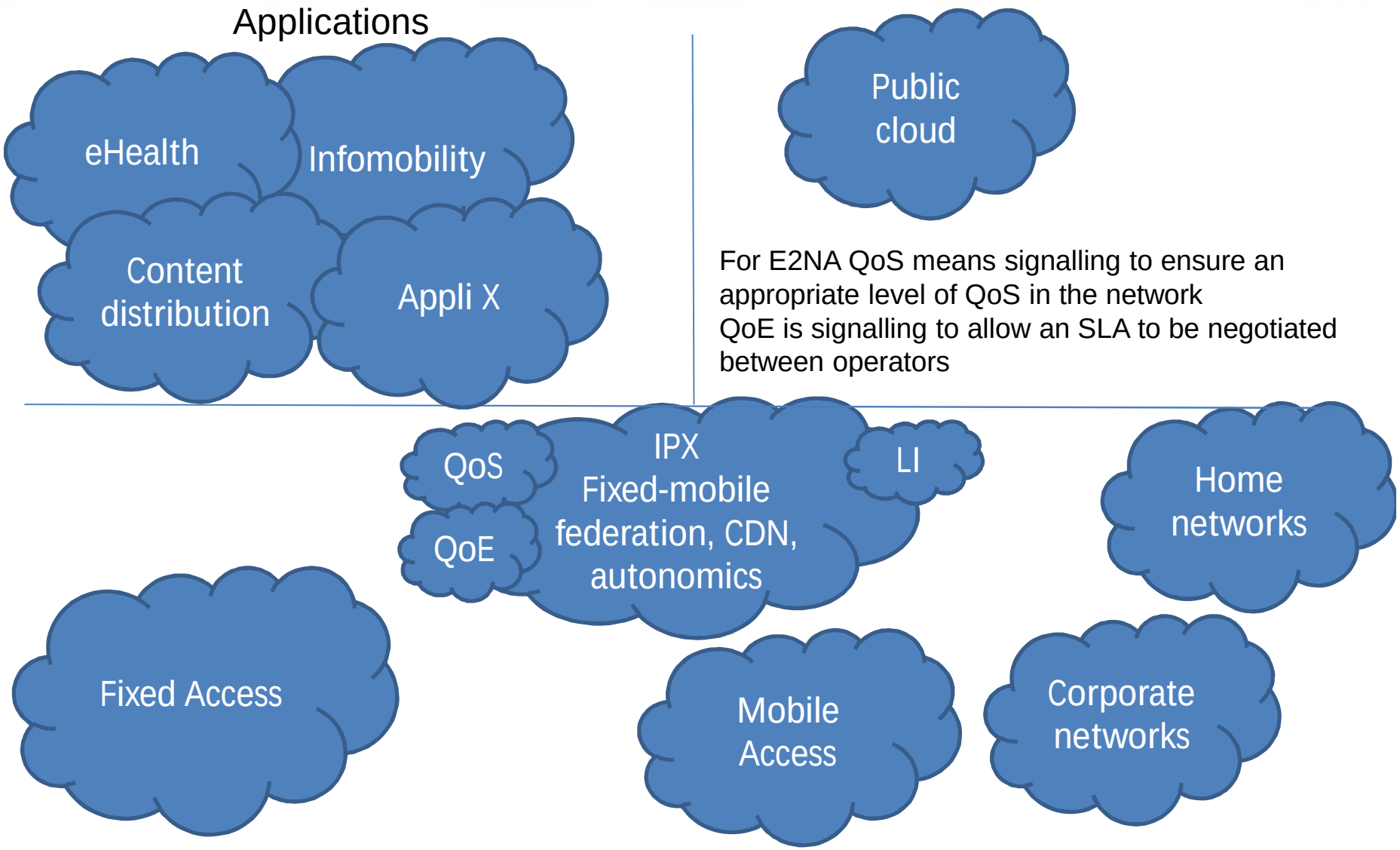


Note: all other associated TCs will transfer some of their requirements/architecture work to the Requirements and Architecture WG. The actual boundary between these two WGs and the TC/SC will have to be further discussed during the first meetings and revised later if needed.

Possible structure
Current discussion



Overview of E2NA domains



Supporting members

- The following members have committed to support EP E2NA and commit resources:
  - Alcatel-Lucent
  - Deutsche Telekom
  - France Telecom
  - Freescale
  - Huawei Technologies Co Ltd
  - Nokia Siemens Networks
  - Orange SA
  - Telecom Italia S.p.A.
  - Telefonica

Thank you for your attention!

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