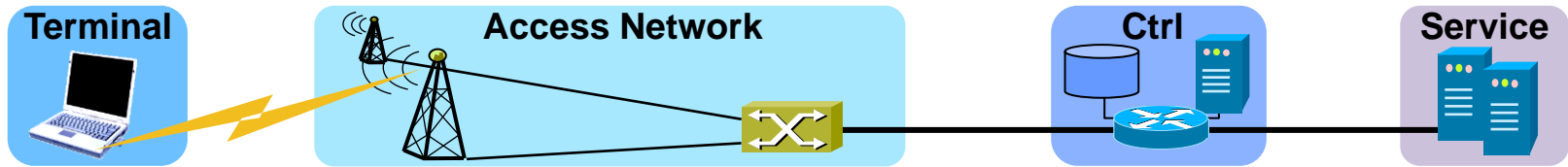


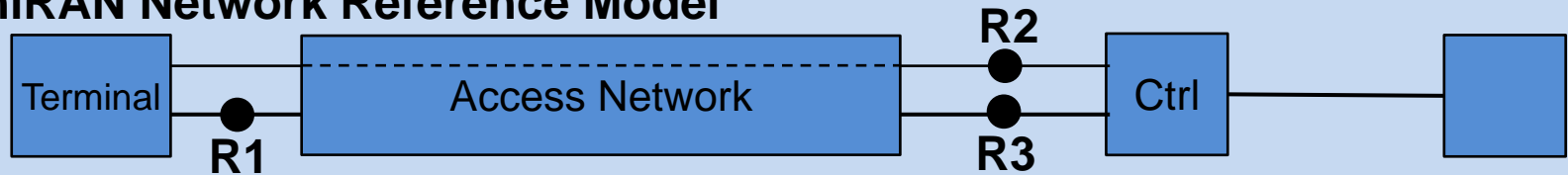
# OmniRAN EC SG July 2013 Liaison Report

Chair:  
Max Riegel, NSN

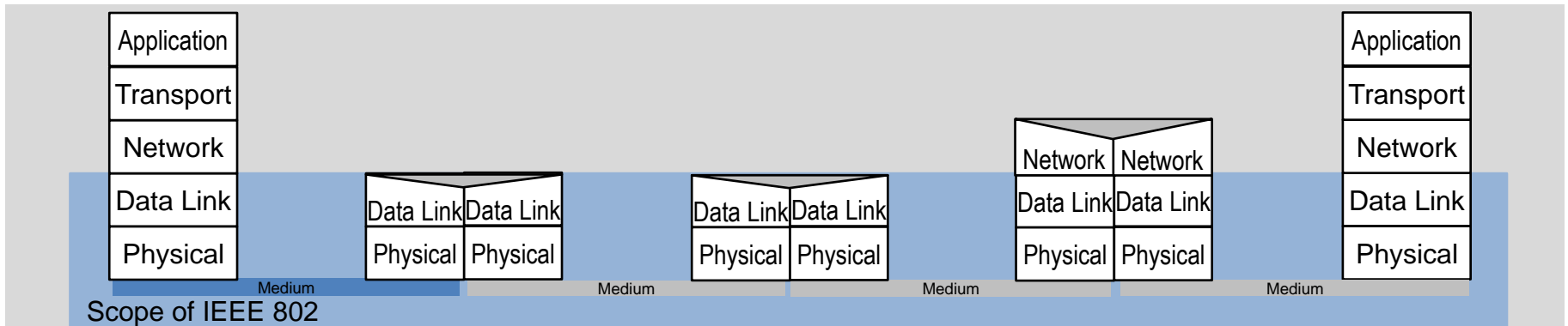
# Access Network Abstraction by OmniRAN



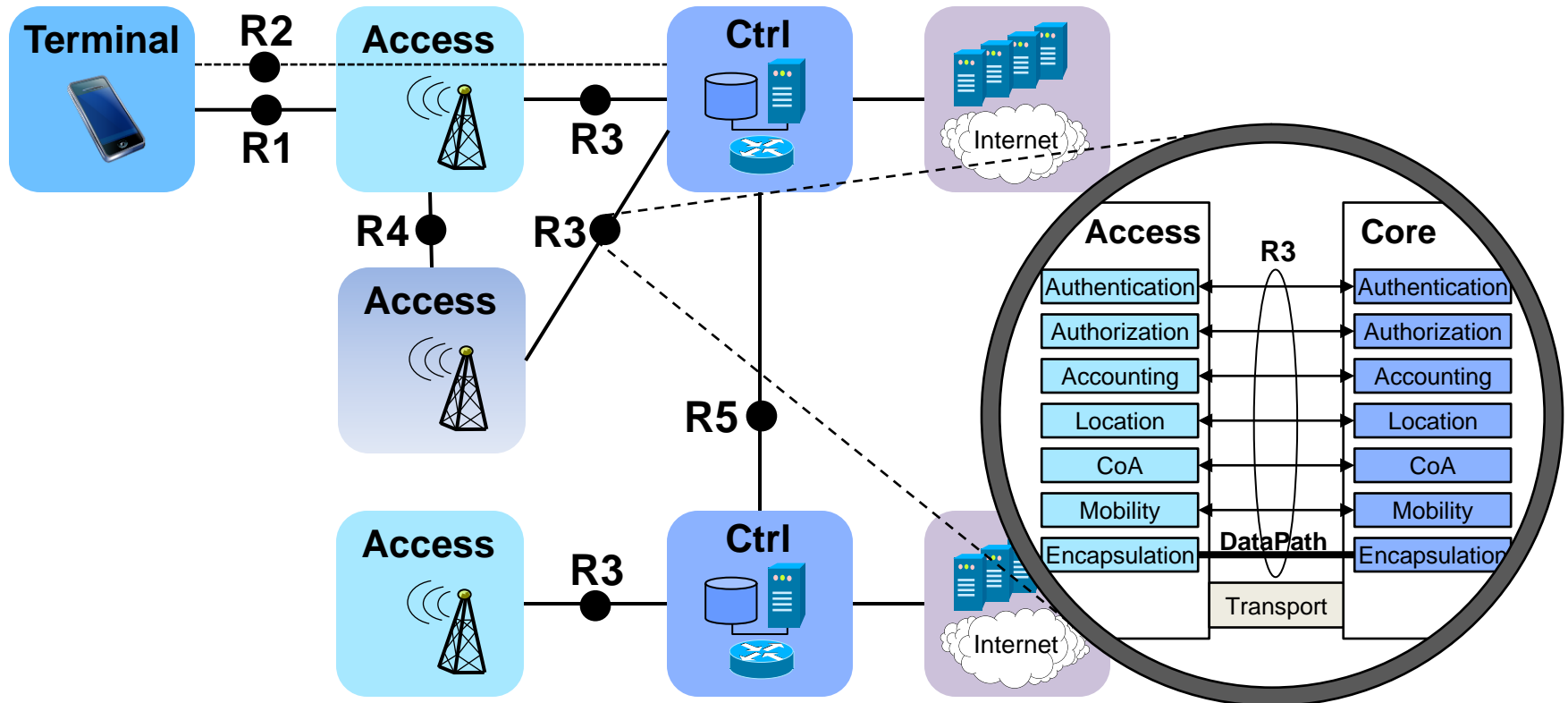
## OmniRAN Network Reference Model



OmniRAN provides a generic model of an access network based on IEEE 802 technologies

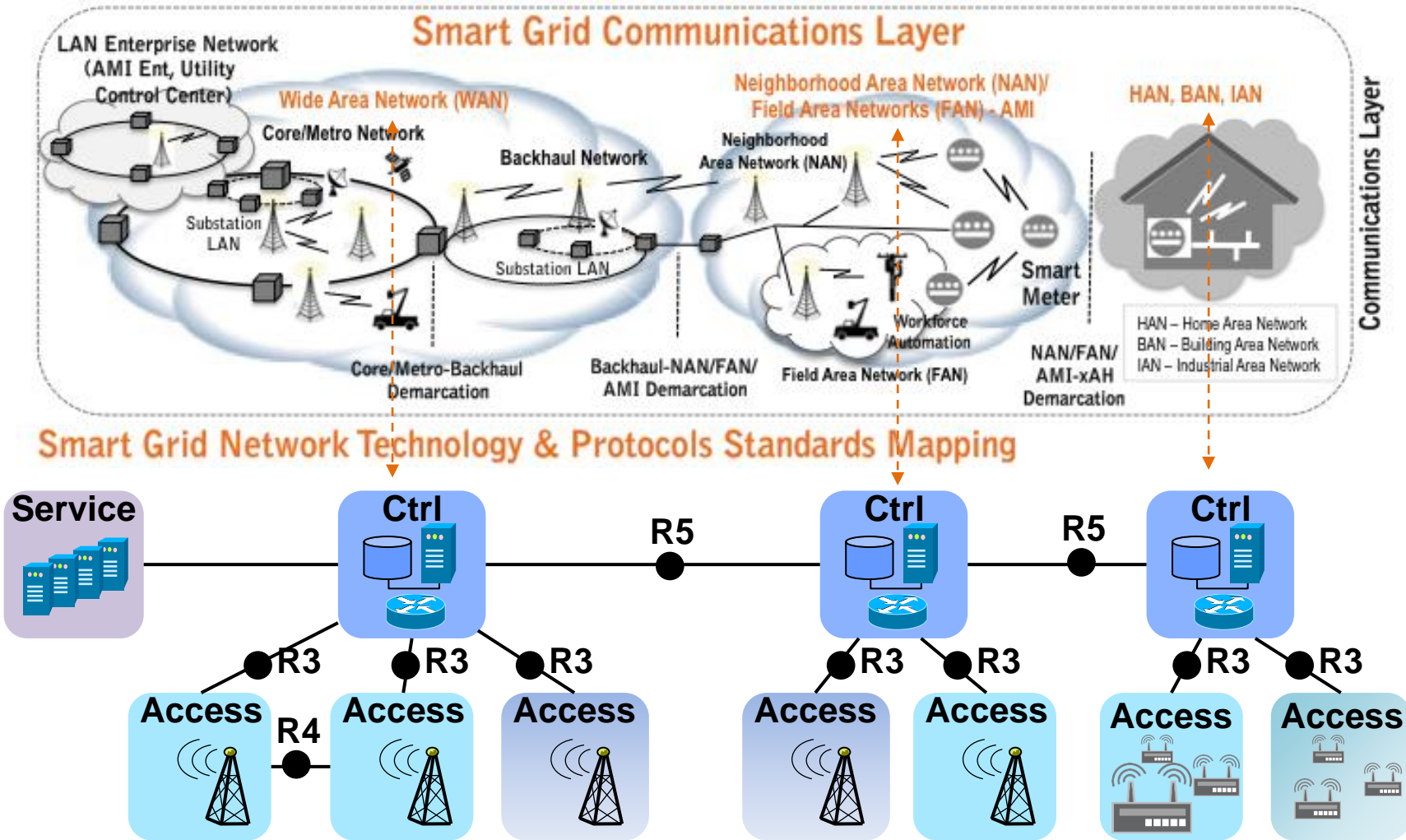


# OmniRAN allows for mapping of complex IEEE 802 network infrastructures



- Reference Points represent a bundle of functions between peer entities
  - Similar to real network interfaces
- Functions are extensible but based on IEEE 802 specific attributes

# OmniRAN explains IEEE 802 Standards for Smart Grid Communications

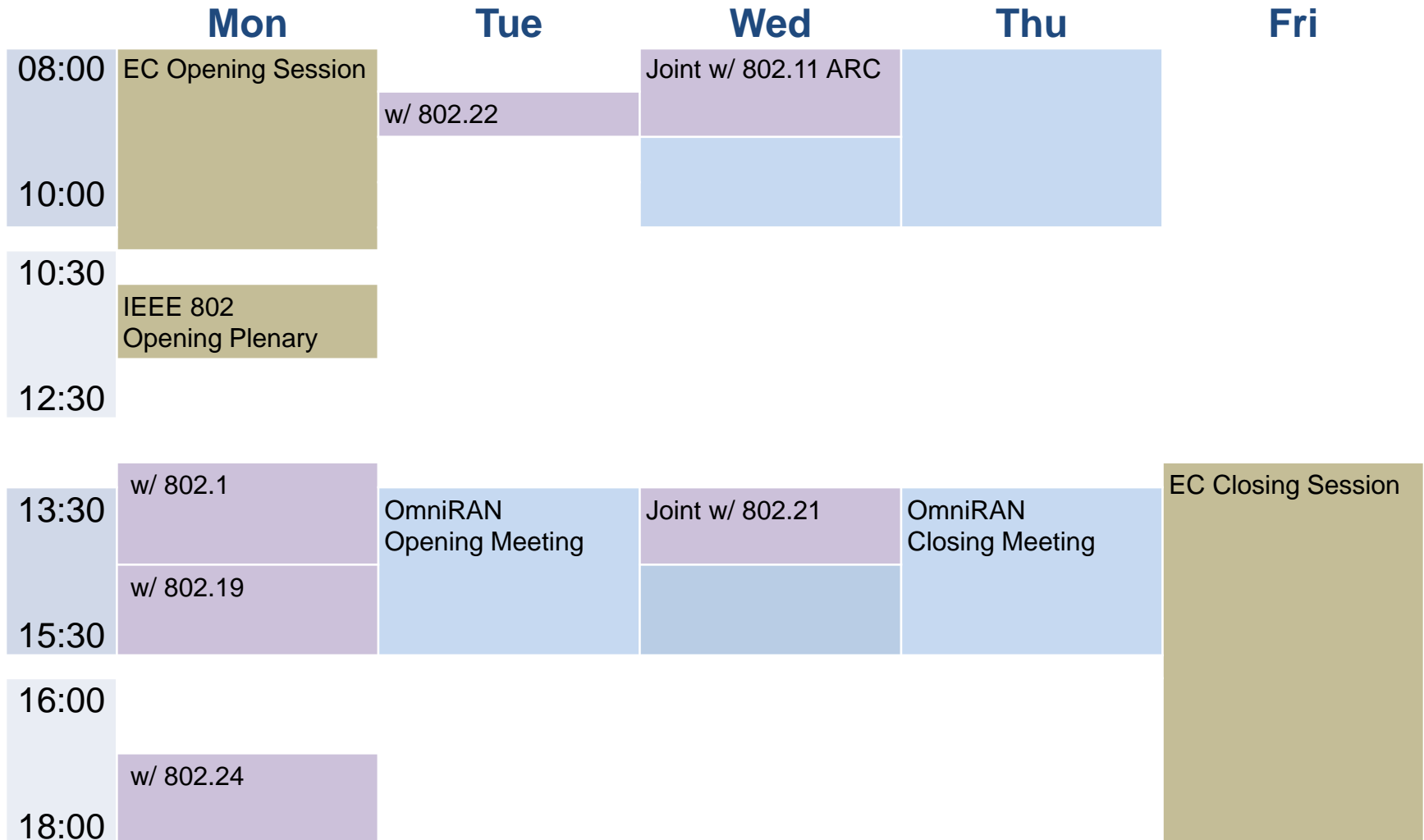


# OmniRAN EC SG Results:

## Topics for Standardization in IEEE 802

- Discovered gaps in IEEE 802 technologies, if any, should be addressed by the related IEEE 802 WGs
- Establishing a common approach of specifying 'external' control into IEEE 802 technologies would require:
  - specifications of the control attributes for the individual IEEE 802 technologies by their working groups
    - (normative, in annex of related specifications to ensure consistency)
  - a specification describing the 'OmniRAN' Network Reference Model and listing the DL and PHY control functions demanded for access networks and SDN
    - (informative)
  - a specification on the usage of IP protocols for the transport of IEEE 802 attributes and the definition of IEEE 802 attributes for such IP protocols
    - (informative for IEEE 802, probably in cooperation with IETF)
- The discussions in the July 2013 session will mainly address the progressing of the standardization topics mentioned above.

# July 2013 OmniRAN F2F Schedule



# OmniRAN ECSG Resources

- Website:  
<http://www.ieee802.org/OmniRANsg/>
- Document Archive on mentor:  
<https://mentor.ieee.org/omniran/documents>
- Email reflector:  
[ecsg-802-omniran@listserv.ieee.org](mailto:ecsg-802-omniran@listserv.ieee.org)
- Email archive:  
<http://grouper.ieee.org/groups/802/OmniRANsg/email/>
- Attendance:  
Paper list (normative) + IMAT
  - IMAT mandatory for participants seeking attendance credits
  - Reciprocal rights for most WGs