

# SCENARIOS FOR 3D- CHANNEL MODELING

# BASELINE SCENARIO

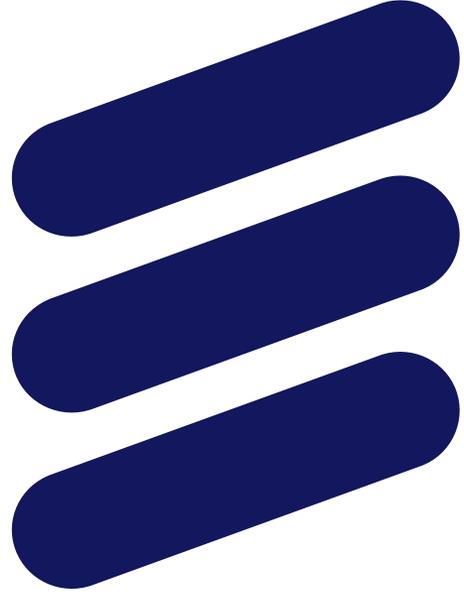


- › Presently agreed scenarios would benefit from further refinement
- › Consider an environment similar to the environment assumed for UMa/UMi
  - Simplifies modeling efforts since more of existing models can be reused
  
- › Proposal for a baseline scenario/environment
  - Average building height: 20 m
  - Macro 5 m above top of buildings
  - Micro at 10 m above ground
  - Floor height: 3 m
    - › UE height:  $1.5 + 3 \cdot \text{floor}$  m
  - Additional environments may be considered

# HETEROGENEOUS DEPLOYMENTS



- › Agreement from Malta meeting
  - Macro-pico scenarios for Hetnet FFS
    - › Azimuth-adaptable or (Azimuth+Elevation)-adaptable antennas for Macro/Pico.
    - › Pico: outdoor only or indoor/outdoor mix
- › Should be possible to use new channel model for heterogeneous deployments!
  - Otherwise use of channel model is heavily crippled
- › Proposal
  - 3D-channel model should at least support heterogeneous deployments with macros and micros for the proposed baseline scenario
    - › This means that model supports simultaneous links from the same UE to both macros and micros



**ERICSSON**