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# **NGEAB-T Use Case ad hoc**

**Berlin, Germany  
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# Background

## Motion #16:

- Move that the Next Generation Enterprise Access BASE-T PHY Study Group define use cases and deployment configurations for 2.5 and 5 Gb/s PHY operation in the enterprise environment.

M: Chris DiMinico S: George Zimmerman

Y: 37 N: 0 A: 1 Technical (>= 75%)

Motion Passes

Y: 37 N: 0 A: 1 Technical (>= rma75%)

Motion Passes

## Motion #17:

Move that the Next Generation Enterprise Access BASE-T PHY Study Group adopt the objectives.

- Define a 2.5 Gb/s PHY for operation over
  - Up to at least 100m on four-pair Class D (Cat5e) balanced copper cabling on defined use cases and deployment configurations
- Define a 5 Gb/s PHY for operation over
  - Up to at least 100m on Class E (Cat6) balanced copper cabling on defined use cases and deployment configurations
  - Up to 100m on Class D (Cat5e) balanced copper cabling on defined use cases and deployment configurations

M: Chris DiMinico S: Richard Mei

Y: 33 N: 1 A: 3 Technical (>= 75%)

Motion Passes

Mr. Chalupsky announced the formation of the Use Case ad hoc, with the charter of defining use cases and deployment configurations for 2.5 and 5 Gb/s PHY operation in the enterprise environment and has appointed Chris DiMinico as the ad hoc chair.

Mr. Chalupsky announced the formation of the “Impulse noise and use case analysis” ad hoc and has appointed German Feyh as the ad hoc chair. Charter of this ad hoc is to recommend electrical specifications for the project based upon 1) analysis of enterprise noise sources (such as impulse noise) and 2) evaluation of the results of the Use Case ad hoc.

# Scope

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- **Use Case ad hoc chartered to define use cases and deployment configurations for 2.5 and 5 Gb/s PHY operation in the enterprise environment.**
- **Use cases defined to develop deployment configurations and characterize noise environment.**
- **Deployment configurations needed to develop link segment characteristics.**
- **Use cases and link segment characteristics for purpose of PHY modeling.**
- **Webex meetings February 6, 20, 27**