

# IEEE 1914 NGFI WG

## Requirement on survival time for NGFI N/W

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6<sup>th</sup> March, 2018, Milan, Italy



# Survival time

- The duration which a broken link would spend in switching to a backup link and recover from broken status
- A broken FH transport link will impact:
  - NGFI FH link b/w CU and DU and/or b/w DU and RRU
  - MAC-layer packet loss
  - RRC connection failure
  - Warning on RRU abnormal
  - Removal of RRU, and even cell
  - Application failure, e.g. voice dropout, ftp link breakdown
  - Others...
- The shorter the survival time is, the better for the system
- 50ms is for traditional BH networks, not applicable for FH

# Survival time requirement

- Suggested requirement: the survival should be no more than 10ms, for the following reasons/considerations:
  - Cell removal is a critical network failure
  - 4G experiences have shown: cell could be removed by the NMS when it detects a CPRI link breakdown for a few ( $\leq 10$ ) ms
  - Different vendors/equipment have similar values
  - To be discussed: whether to set different values for NGFI 1 and NGFI 2 respectively?
  - Our view: same value for simplicity

# Motion

- To adopt the following requirement on survival time to the spec.
  - The survival time for both NGFI 1 and NGFI 2 networks shall be no more than 10ms.
  
- Moved:
  
- Seconded:
  
  
- Y: N: A.