

3GPP TSG RAN Rel-19 workshop
Taipei, June 15 - 16, 2023
Agenda Item: 4

RWS-230094



Consideration on Rel-19 ISAC

New H3C Technologies Co., Limited

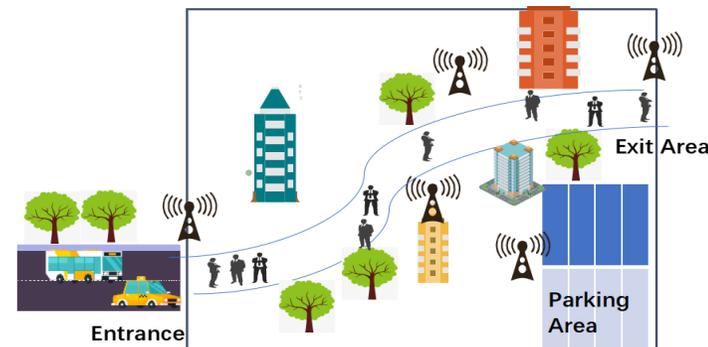
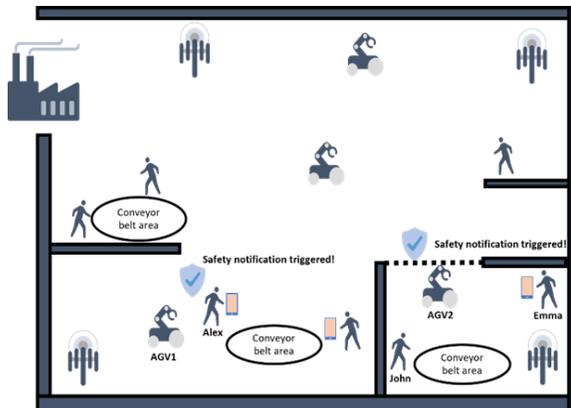
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Consideration on Rel-19 ISAC(1/2)



□ Motivation

- SI on ISAC (Integrated Sensing and Communication) was setup in SA1 Rel-19.(Refer to S1-220191)
 - ✓ Study use cases and potential requirements for enhancement of the 5G system to provide integrated communication and sensing services addressing different target verticals/applications, e.g. autonomous/assisted driving, V2X, aviation/UAVs, 3D map reconstruction, smart city/factories, public sectors, healthcare, smart home, maritime sector.
- Total 38 use cases are already identified in TR 22. 837
 - Some scenarios on smart factory and traffic management need be studied with high priority



Consideration on Rel-19 ISAC(2/2)



□ Proposals

- RAN starts studying some use cases on smart factory and traffic management with high priority based on SA1 study results in Rel-19.
 - ✓ SI only or SI+WI will be preferred
 - ✓ gNB based ISAC technology should be studied with high priority
 - ✓ Identify KPIs for selected use case
 - ✓ Study potentially technologies with necessary evaluation
 - ✓ Identify spec impact on RAN1/RAN2/RAN3/RAN4

A top-down view of a wooden table where several people's hands are stacked in a circle. On the table, there are two laptops, a smartphone, a white mug with a drink, and a coffee cup with a lid. The scene is brightly lit, suggesting an office or meeting environment.

THANKS

A red circular logo containing the white text 'HBC'. The logo is centered on a dark, semi-transparent background that covers the bottom half of the image.

HBC