GSOA
GLOBAL SATELLITE OPERATORS ASSOCIATION

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GSOA - MRP update

3GPP Standard for Satellite Networks (NTN) is Now Available

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3GPP Standard for Satellite (NTN) is Available

- ⇒ 3GPP Plenary meetings #99 in Rotterdam - NTN (Non-Terrestrial-Networks) accomplished 100 percent Release 17 completion. Thanks to the great collaboration between satellite and mobile stakeholders.
- ⇒ An important breakthrough, 3GPP Technical Specifications for Non-Terrestrial-Networks (NTN):

NTN-NR – Specifications for satellite 5G direct access to handheld devices in FR1 frequency range (below 7GHz)

NTN-IoT – Specifications for satellite direct low data rate services (eMTC/NB-IoT) in FR1 frequency range (below 7GHz)

3GPP NTN - Development and Advancement

- ⇒ Since publication of the core NTN related technical specifications, several technical demonstrations have been presented by the mobile/satellite industry.
- ⇒ Growing interest/intention towards developing NTN based satellite services, leveraging 3GPP NTN standards.
- ⇒ NTN enhancements are being defined as part of the Release 18, including support of additional deployment scenarios above 10 GHz.
- ⇒ In subsequent releases of 3GPP, the satellite industry will pursue further enhancements to NTN in adding new features to improve the service experience.

Thank you

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