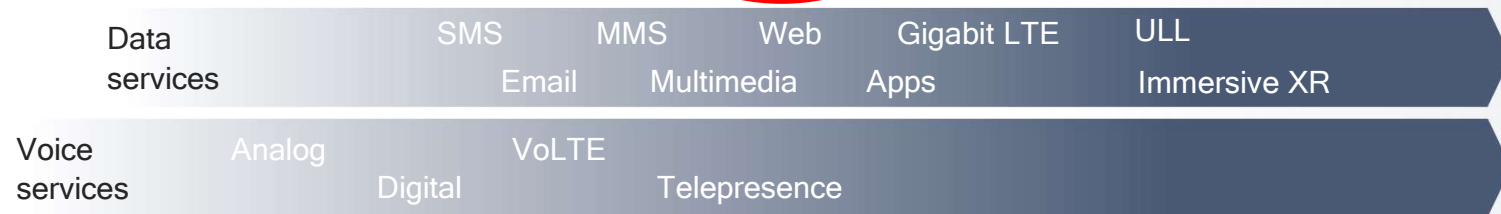
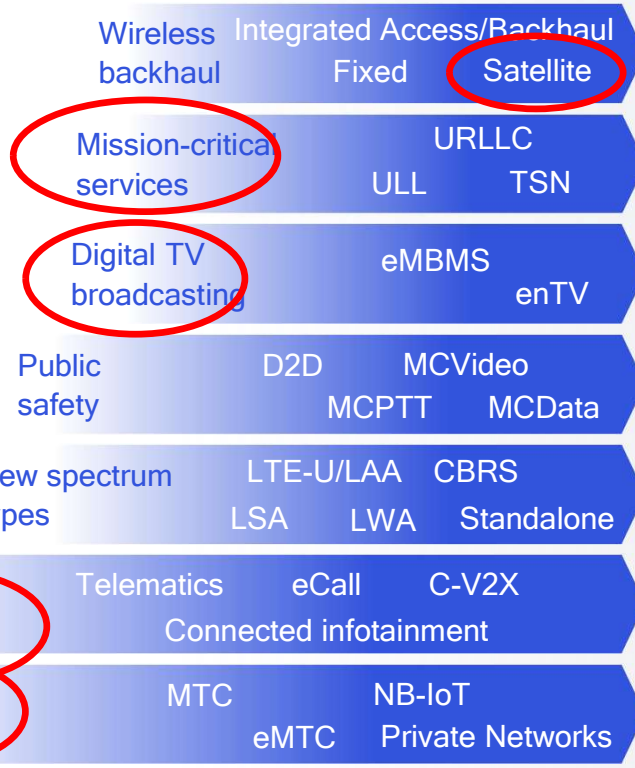


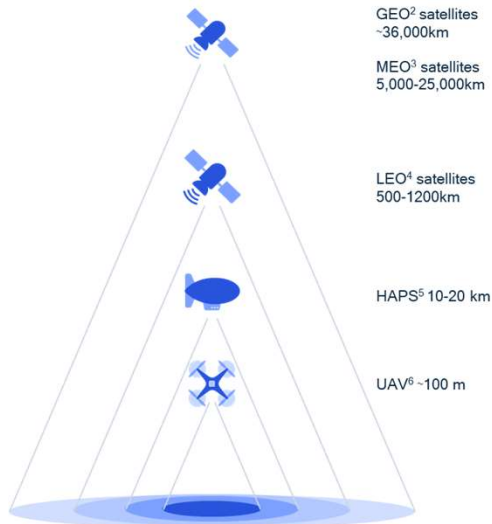
Convergence with a General-Purpose Technology

3GPP technologies have expanded cellular reach into new industries

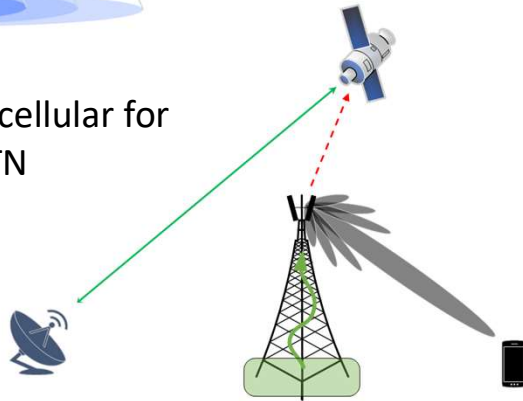
- Leverage 3GPP technology for vertical industry applications
- Minimize impact to devices by making receivers hardware compatible with cellular modems



What to expect in 6G?



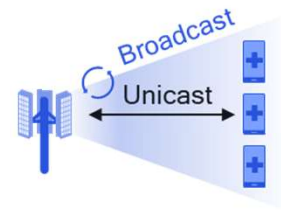
Leveraging cellular for NTN



10/16/2023

15) Interoperability

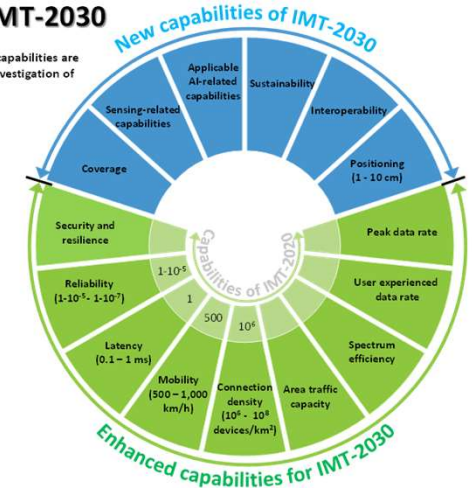
Interoperability refers to the radio interface being based on member-inclusivity and transparency, so as to enable functionality(ies) between different entities of the system.



Leveraging cellular for Broadcast

Capabilities of IMT-2030

NOTE: The range of values given for capabilities are estimated targets for research and investigation of IMT-2030.



2 Trends of IMT-2030

2.1 Motivation and societal considerations

The motivation for the development of IMT-2030 is to continue to build an **inclusive** information society towards contributing to support the UN's sustainable development goals (SDGs). To this end, IMT-2030 is expected to be an important enabler for achieving the following goals, among others:

- **Inclusivity:** Contributing towards further **bridging of digital divides**, to the maximum extent feasible, by ensuring affordable access to meaningful connectivity to everyone.

- **Ubiquitous connectivity:** Towards connecting unconnected, IMT-2030 is expected to include affordable connectivity and, **at minimum, basic broadband services with extended coverage, including sparsely populated areas.**

...

- **Standardization and interoperability:** IMT-2030 systems are expected to be designed from the start to use transparently and **member-inclusively standardized and interoperable interfaces**, ensuring that different parts of the network, whether from the same or different vendors, work together as a fully functional and interoperable system.

- **Interworking:** IMT-2030 is expected to support service continuity and provide flexibility to users via close interworking with non-terrestrial network implementations, existing IMT systems and other non-IMT access systems. IMT-2030 is also expected to support smooth migration from existing IMT systems, where **including support of connectivity to IMT-2020 and potentially IMT-Advanced devices** will be advantageous for inclusivity.

Qualcomm