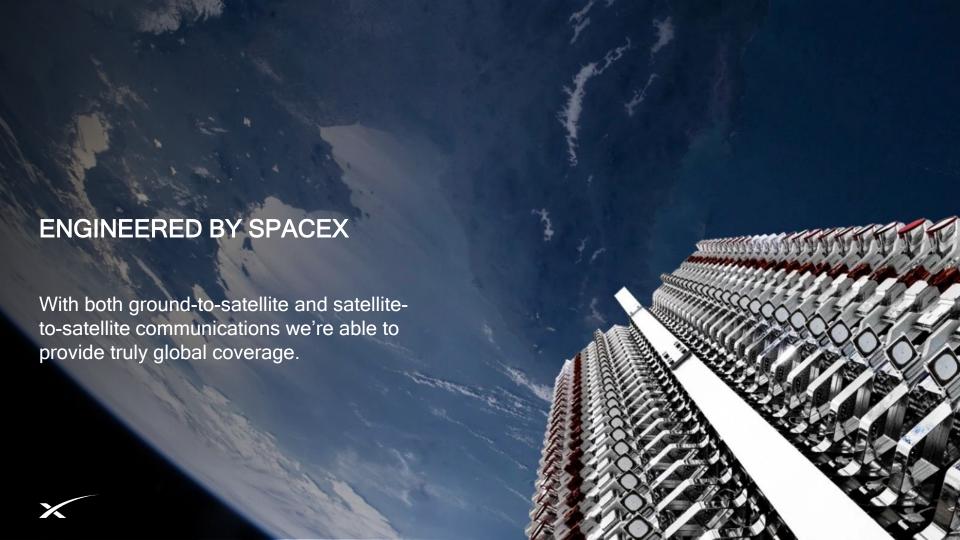


SPACEX | BEREC WORKSHOP

MAY 2024





PEOPLE USING STARLINK IN INTERESTING WAYS -EPIC AND EVERYDAY.













SpaceX is leveraging its experience in building rockets and spacecraft to deploy its direct to cell service and provide ubiquitous coverage from space



STARLINK DIRECT TO CELL

- Covering a range of frequencies to close mobile dead zones
- Extending coverage when terrestrial networks are unavailable
- No changes to device hardware or firmware required
- Partnerships announced in 7 countries





RECENT UPDATES



December 2023Vehicle integration
(First six satellites)



January 2
First launch of direct to cell satellites



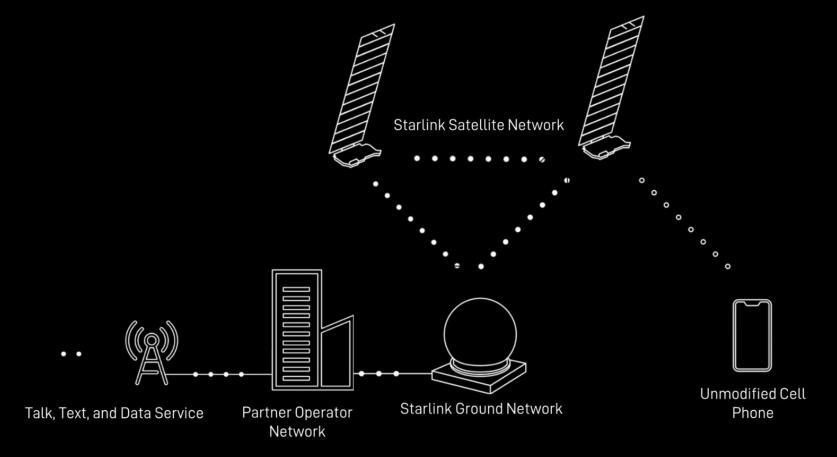
January 8 2024
Successful text exchange over satellites in the US



April 6 & May 10 & 14 2024 Launch of direct to cell satellites 38 satellites currently enabled



DIRECT TO CELL NETWORK ARCHITECTURE



APPROACHES TO DIRECT TO CELL

- In March 2023, the US FCC announced its supplemental coverage from space draft framework a flexible spectrum access framework to enable satellite direct to cell services using terrestrial spectrum
- These services are commonly called "supplemental coverage from space" "direct to device," "direct to cell," "satellite direct to mobile," "D2C"
- The ECC, Australia, Brazil, and others are developing unique regulatory approaches to enable D2C
- WRC-27 will consider global harmonization to support direct to cell technologies in a number of spectrum bands





Pata Programme Transfer of the Programme Tra

LOOKING AHEAD

- Existing regulatory frameworks can be considered for direct to cell
- Forward looking approaches will enable rapid deployment of this important service
- European harmonization should allow for flexibility at the national level, given unique market conditions

