



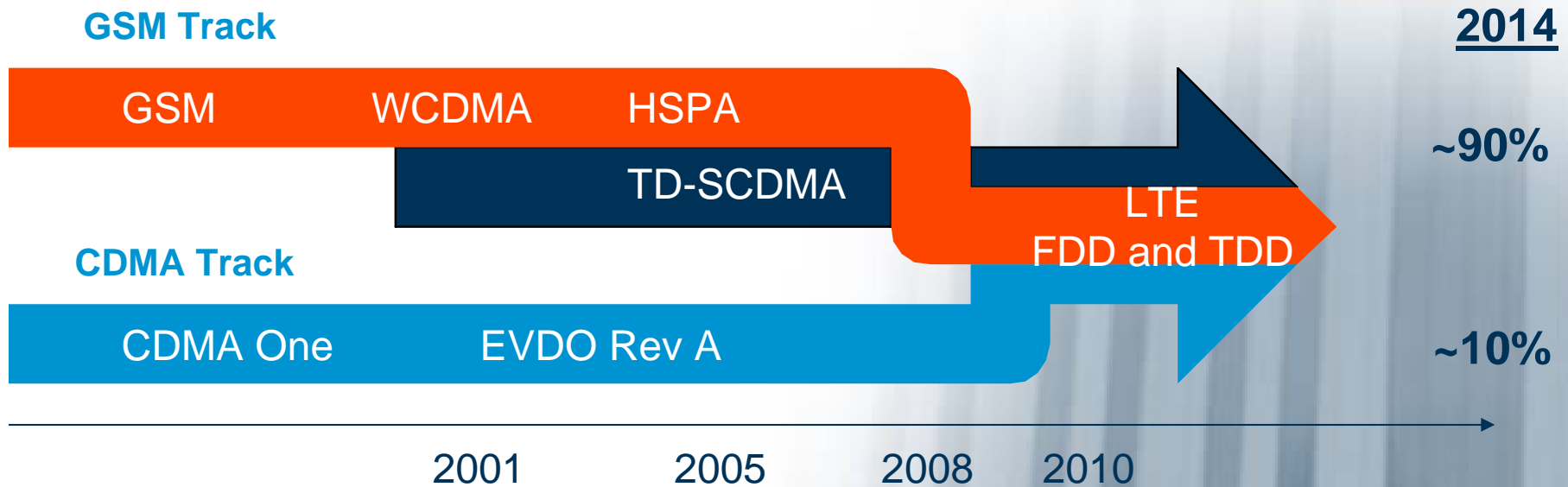
The Wireless Broadband Experience With LTE

Sten Andersson

Head of Wireless Networks Solutions,
North America

August 13, 2009

Mobile Broadband Evolution Building Blocks



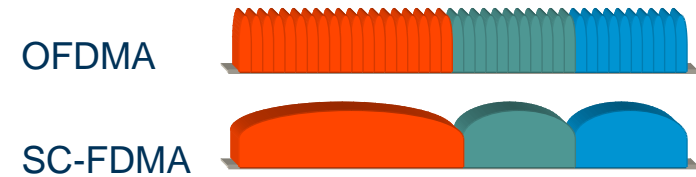
- Licensed Spectrum – FDD Preferred
- Identify Future Spectrum for Bandwidth Intensive Services
- Wider Bandwidth Allocations
- Global Economy Of Scale
- Review of Technical Rules to Eliminate broadband barriers
- Global Harmonization

LTE is the Global standard for Next Generation Wireless Broadband

Key LTE Radio Access Features

- **LTE radio access**

- Downlink: OFDM
- Uplink: SC-FDMA



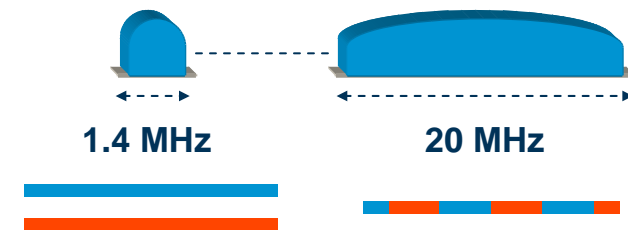
- **Advanced antenna solutions**

- Diversity
- Beam-forming
- Multi-layer transmission (MIMO)



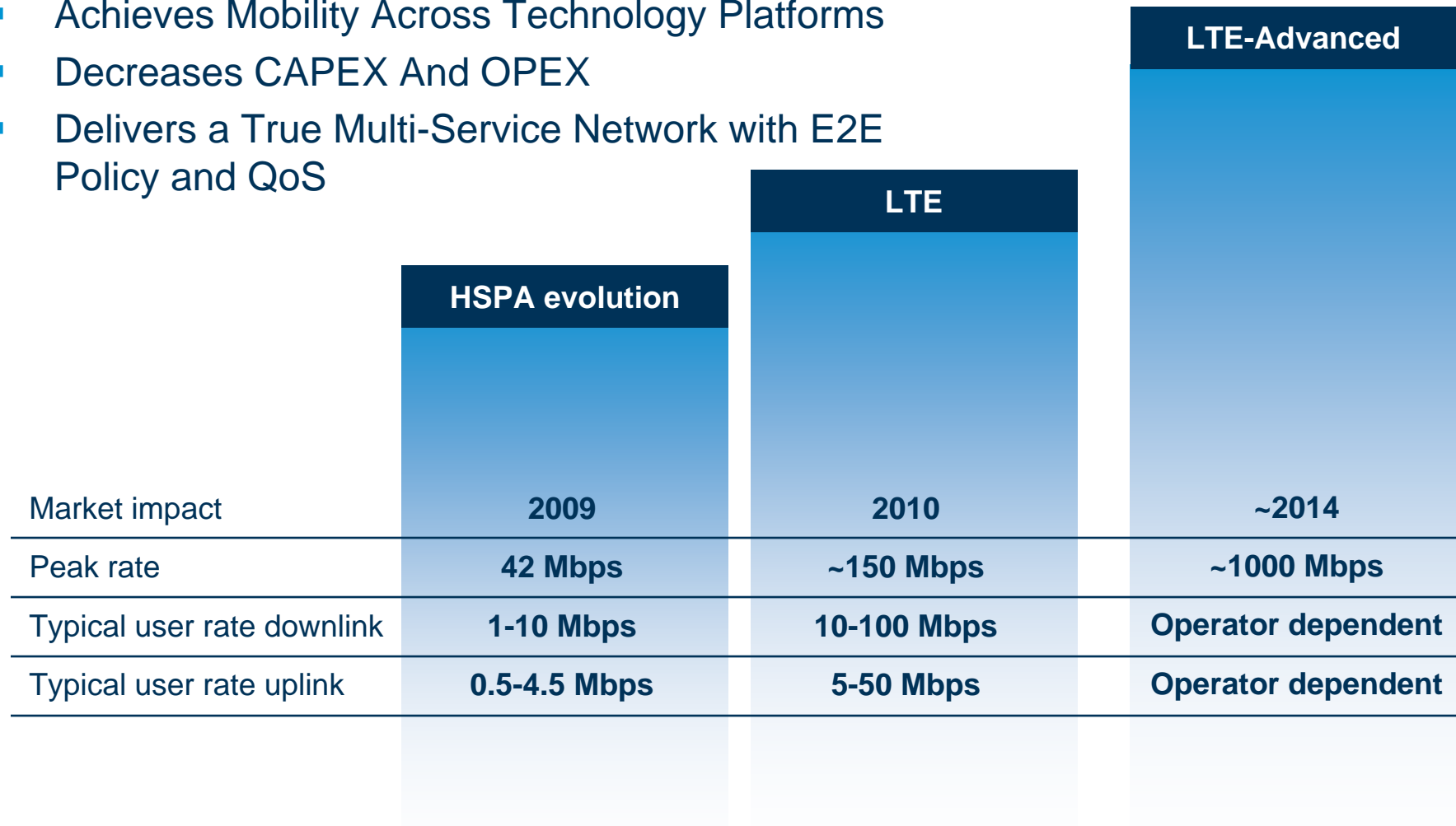
- **Spectrum flexibility**

- Flexible bandwidth
- New and existing bands
- Duplex flexibility: FDD and TDD



Mobile Broadband Speed Evolution

- Achieves Mobility Across Technology Platforms
- Decreases CAPEX And OPEX
- Delivers a True Multi-Service Network with E2E Policy and QoS



Highest Performance and Functionality

ERICSSON 

TAKING YOU FORWARD