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E-Commerce: Observations from the Private Sector

Submitted by: AT&T

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Free Trade Area of Asia-Pacific Capacity Building Workshop on E-Commerce Elements in Free Trade Agreements and Regional Trade Agreements
8-9 September 2021

E-Commerce: Observations from the Private Sector

APEC FTAAP Capacity Building Workshop on E-Commerce Elements in FTAs/RTAs

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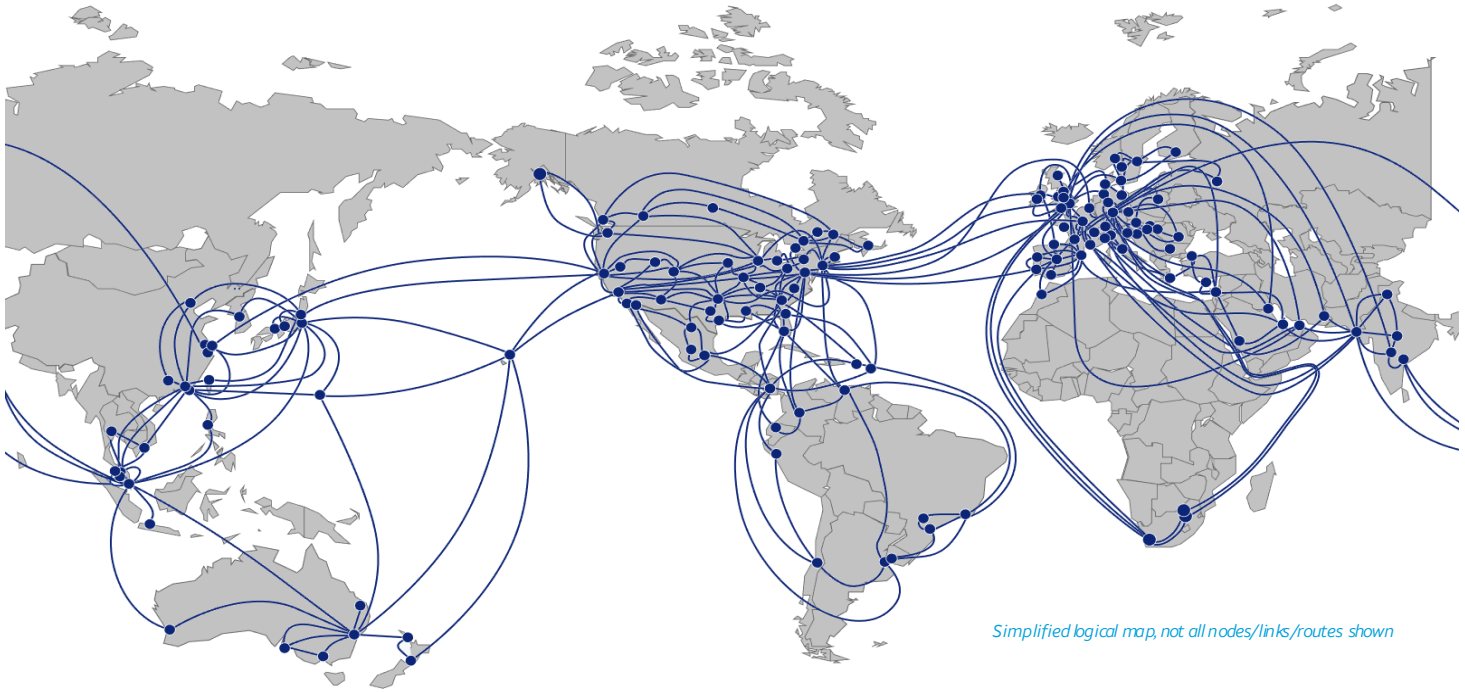
Build the best network – global reach and consistency

- Internet Services available in **201** economies
- Multi-protocol Label Switching (MPLS)-based services* available to **201** economies over **3900+** nodes
- Dedicated Ethernet access in **194** economies

- **1,372,743** fiber route miles globally
- **4,421** wavelength miles of 400 Gbps
- **2,417,428** wavelength miles of 100 Gbps
- **1,256,962** wavelength miles of 40 Gbps

- AT&T Remote Access **1,420,609** total points in **138** economies
- **1.4 M+** WiFi Hotspots in **138** economies
- Wired Ethernet access (hotels) in **35** economies via **350+** access points



Simplified logical map, not all nodes/links/routes shown

The AT&T Global Network carries more than **462.8** Petabytes of data traffic on an average day

**MPLS technology enables high-quality delivery to multiple services over a single IP Network Infrastructure*
High level map, not all links/nodes shown

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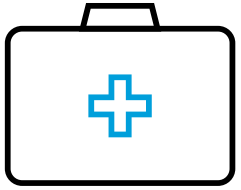
Importance of Broadband Access

As of 2020, about 1.88 billion people in Asia-Pacific lack access to the internet, nearly half of the population.

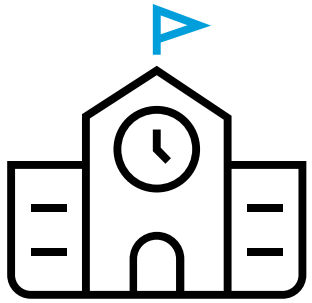
Expansion of 5G

5G's lower latency, massive connectivity and faster speeds will help allow businesses and economies to adapt and innovate in the digital age.

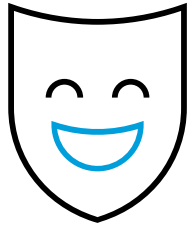
We are already seeing areas where it can help industries thrive:



Healthcare



Education



Entertainment

Manufacturing

5G Innovation Zone at Samsung Austin Semiconductor

In 2019, AT&T Business, Samsung Austin Semiconductor and Samsung Electronics America unveiled the first manufacturing-focused 5G Innovation Zone in America.

5G's Increased bandwidth and reduced latency within the manufacturing industry can improve:

- Efficiency
- Safety
- Security
- Flexibility
- Operational performance
- Scale and volume of data collection
- Processing of data in near real time

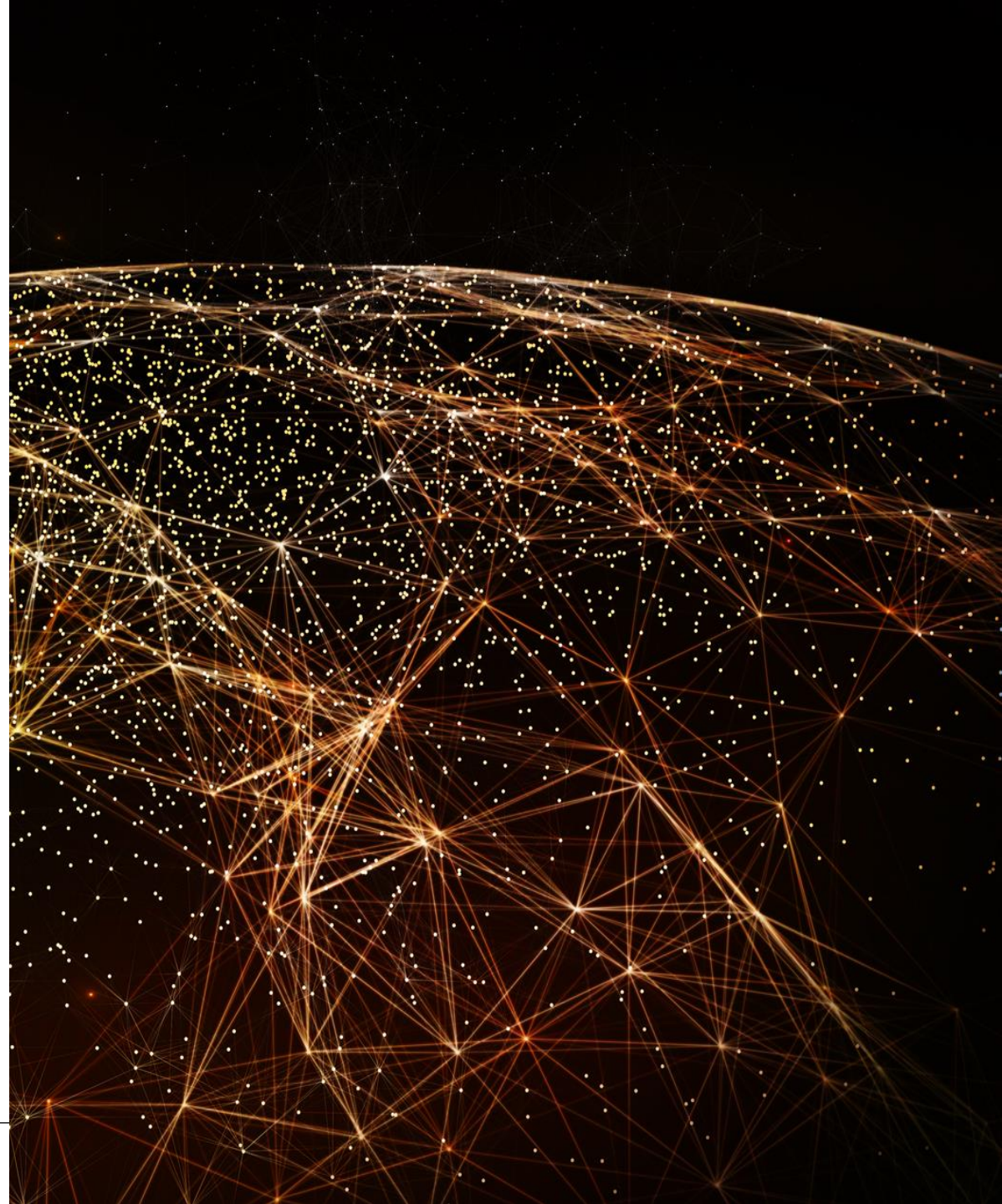
Flow of data across borders

- The ubiquity of mobile technologies and services, and the convergence across new and traditional industries is reshaping global supply chains, research and development, consumer behavior, and everything in between

- The growth of OTT services is an instructive case to understand how new trends in the development of software, hardware, and consumer demand for information are converging

Food for thought

1. Interoperable for scale
2. Trade and investment issues
3. Multi-stakeholder dialogue



The digital economy is not near, it's here. We have the ability to unleash the benefits that come with it.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