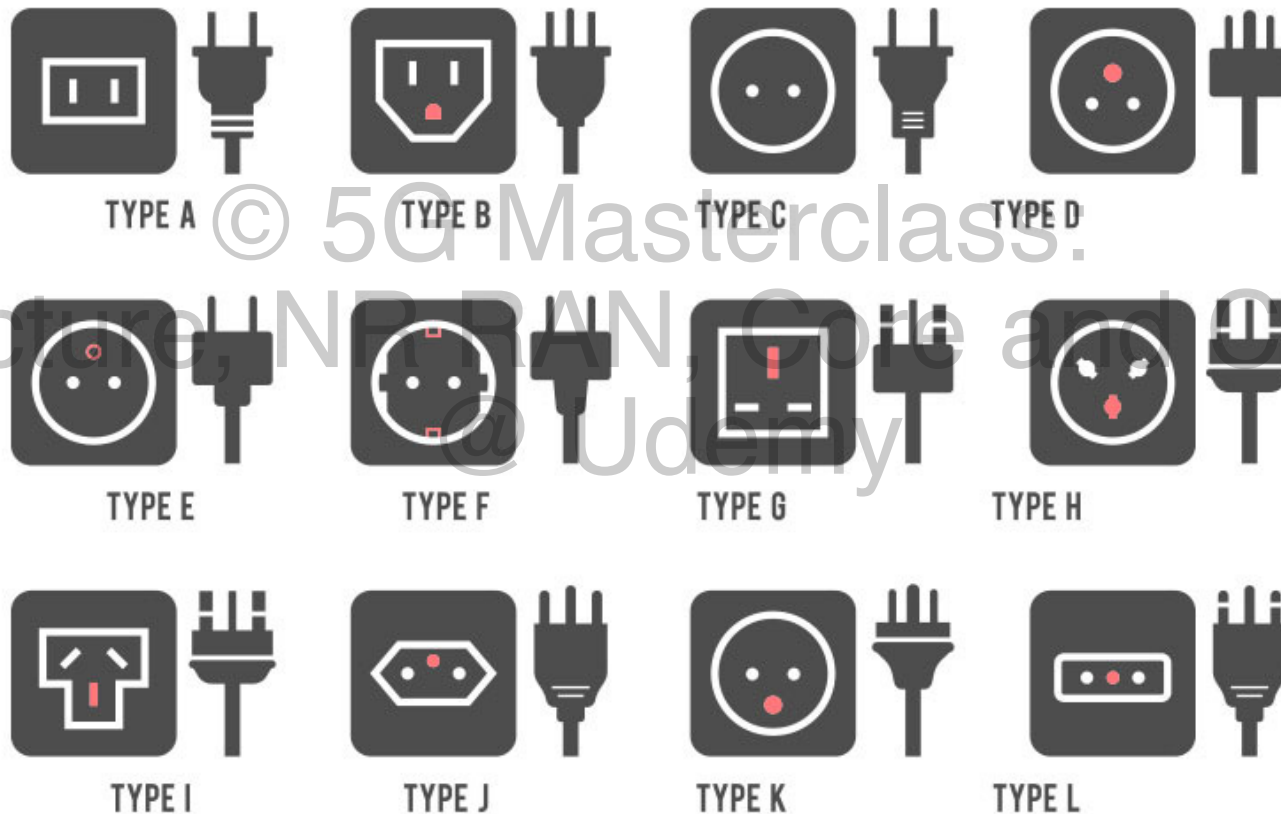


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5G System

STANDARDIZATION

The Global Landscape



International effort



United Nations

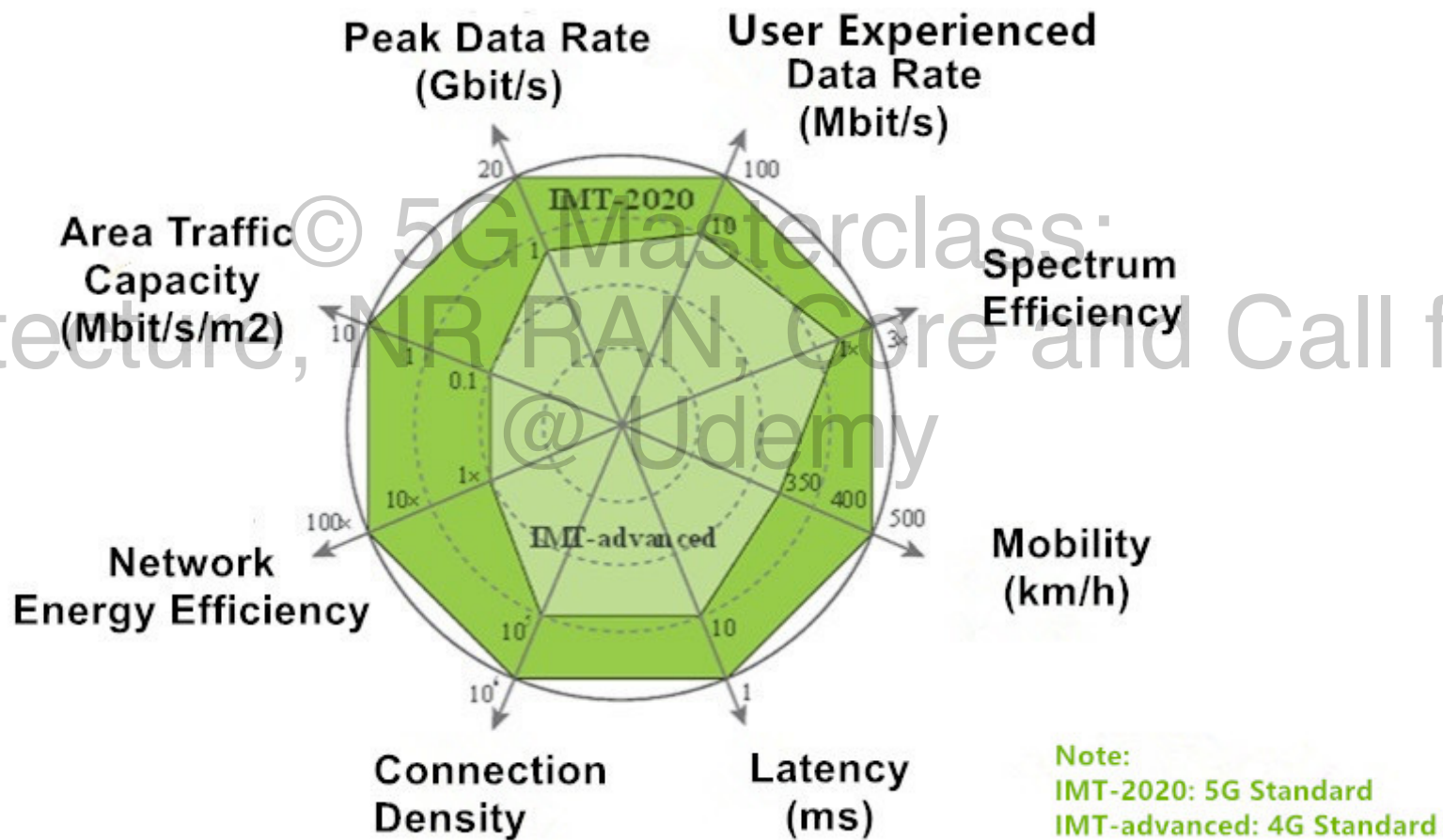


International Telecommunication Union

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“connecting all the world’s people”

The 5G Requirements



The 3rd Generation Partnership Project – 3GPP

organizational
partners

3GPP

Japan

Association of Radio Industries and Businesses

China

China Communications Standards Association

South Korea

Telecommunications Technology Association

Japan

Telecommunication Technology Committee

USA

Alliance for Telecommunications Industry Solutions

Europe

European Telecommunications Standards Institute

India

Telecommunications Standards Development Society

Universal Mobile Telecommunications System (UMTS)

Global System for Mobile Communications (GSM)

mobile cellular
system

3GPP2

Japan

Association of Radio Industries and Businesses

China

China Communications Standards Association

South Korea

Telecommunications Technology Association

Japan

Telecommunication Technology Committee

North America

Telecommunications Industry Association

Code-division multiple access 2000 (CDMA200)

Code-division multiple access One (cdmaOne)

same
partners

The 3rd Generation Partnership Project – 3GPP



www.3gpp.org

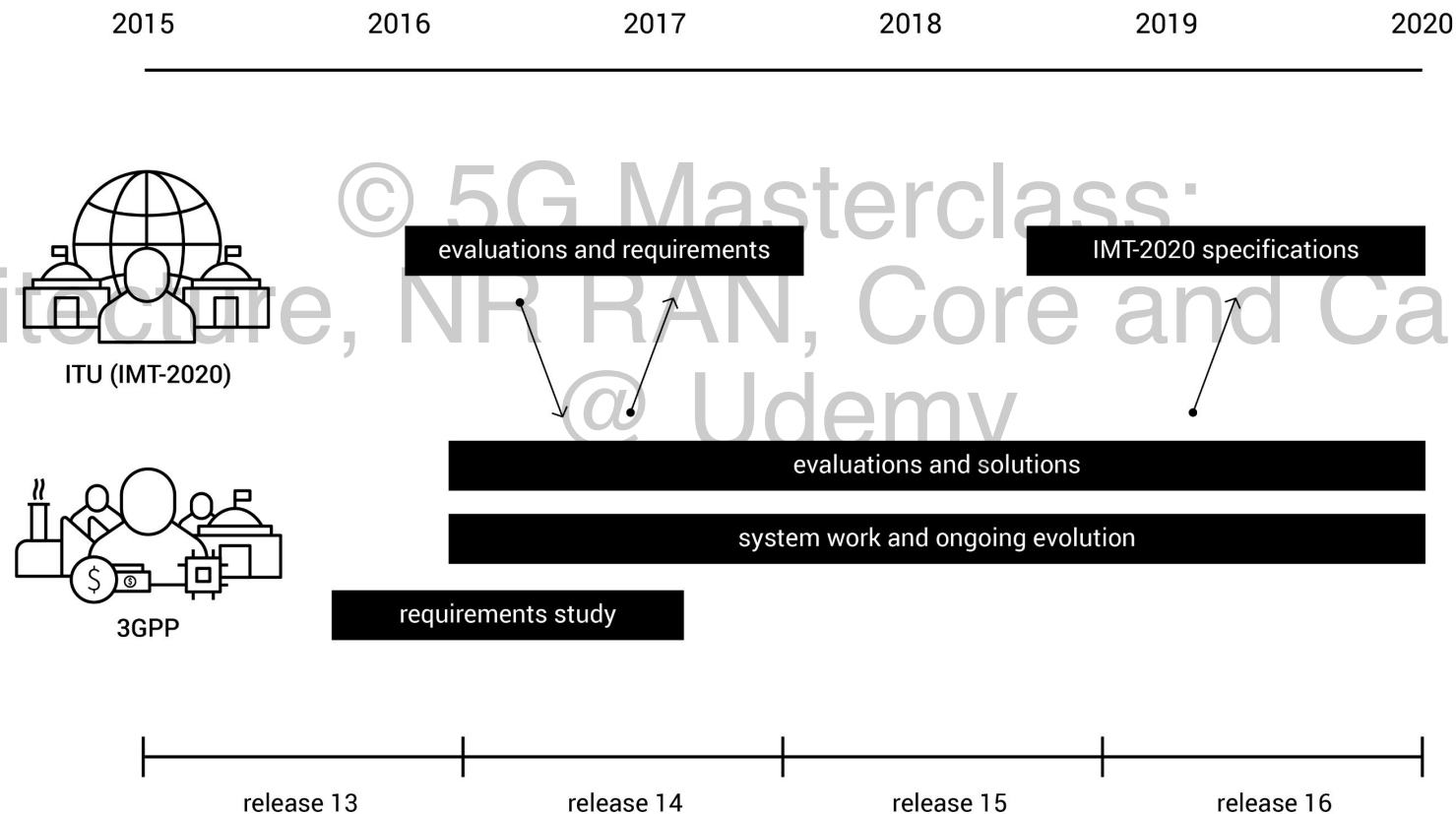
Project Coordination Group (PCG)

TSG RAN Radio Access Network
RAN WG1 Radio Layer 1 spec
RAN WG2 Radio Layer 2 spec Radio Layer 3 RR spec
RAN WG3 Iub spec, Iur spec, Iu spec UTRAN O&M requirements (Radio CN Interfaces)
RAN WG4 Radio Performance Protocol aspects
RAN WG5 Mobile Terminal Conformance Testing
RAN WG6 GSM EDGE Radio Access Network

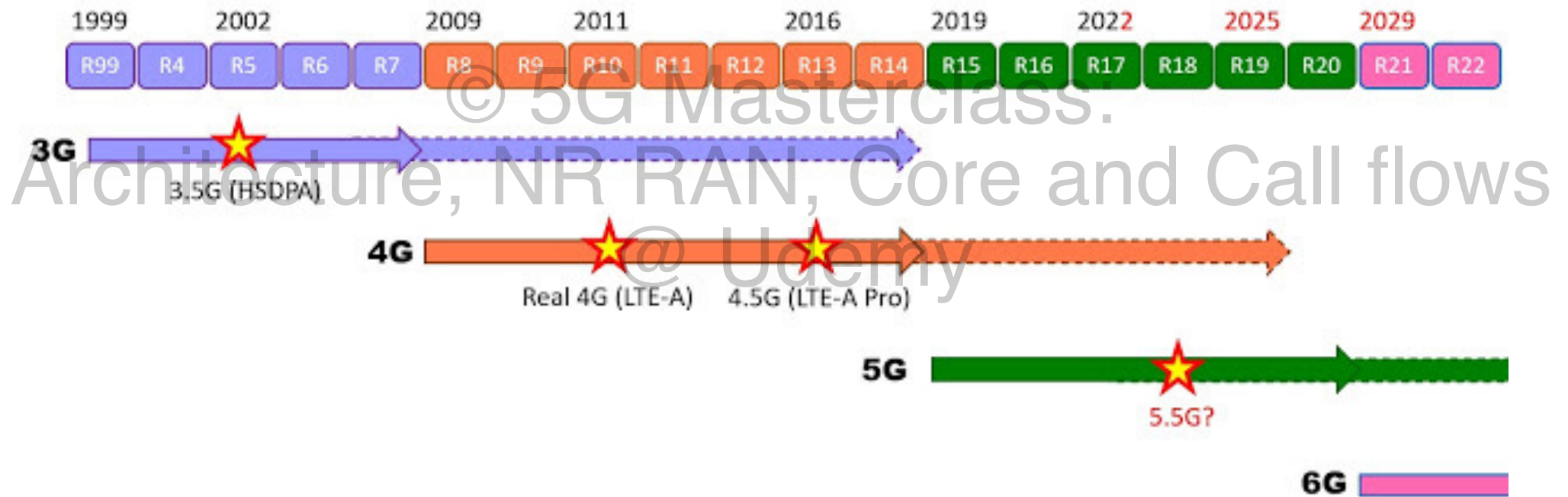
TSG CT Core Network & Terminals
CT WG1 MM/CC/SM (Iu) (end-to-end aspects)
CT WG3 Interworking with external networks
CT WG4 MAP/GTP/BCH/SS (protocols within the CN)
CT WG6 Smart Card Application Aspects

TSG SA Service & Systems Aspects
SA WG1 Services
SA WG2 Architecture
SA WG3 Security
SA WG4 Speech, audio, video, and multimedia Codecs
SA WG5 Telecom Management
SA WG6 Mission-Critical Applications

The 3rd Generation Partnership Project – 3GPP



3GPP Releases Timeline



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THANK YOU