Fraud and Security Architecture Group

Eric Gauthier, Orange

GSMA

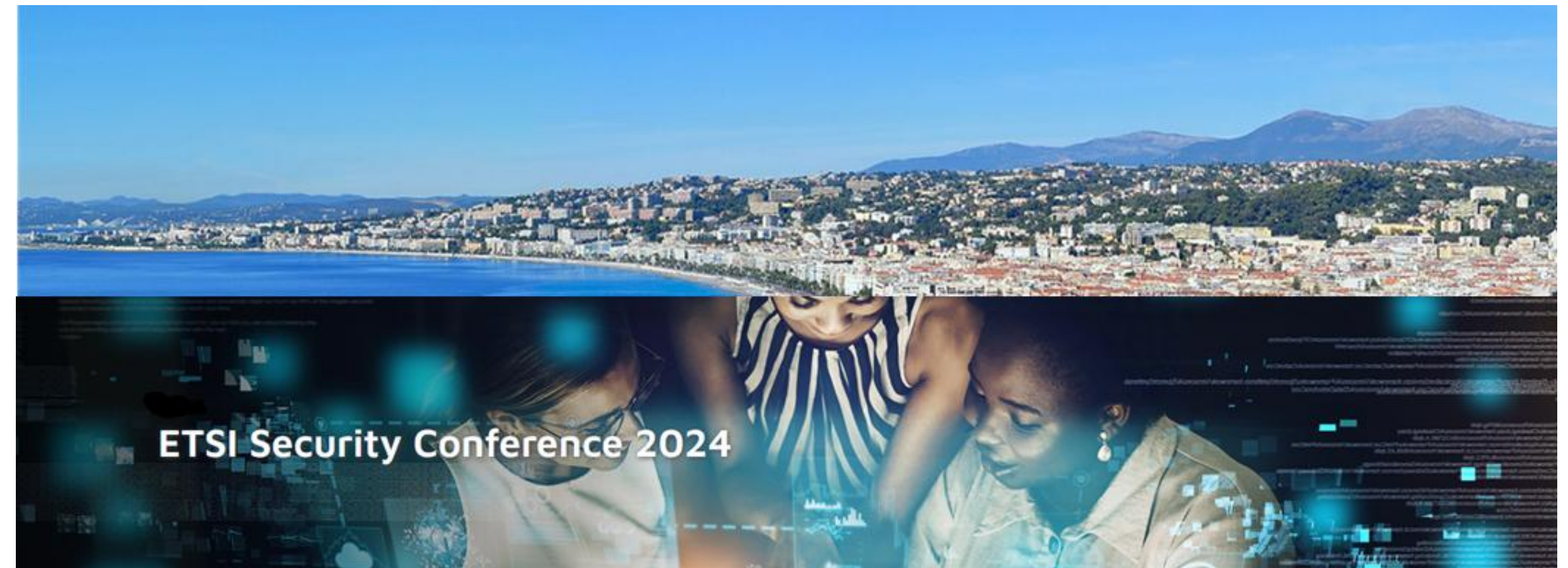# Enhancing Security, Empowering the Ecosystem

Monthly plenary meetings (virtual)
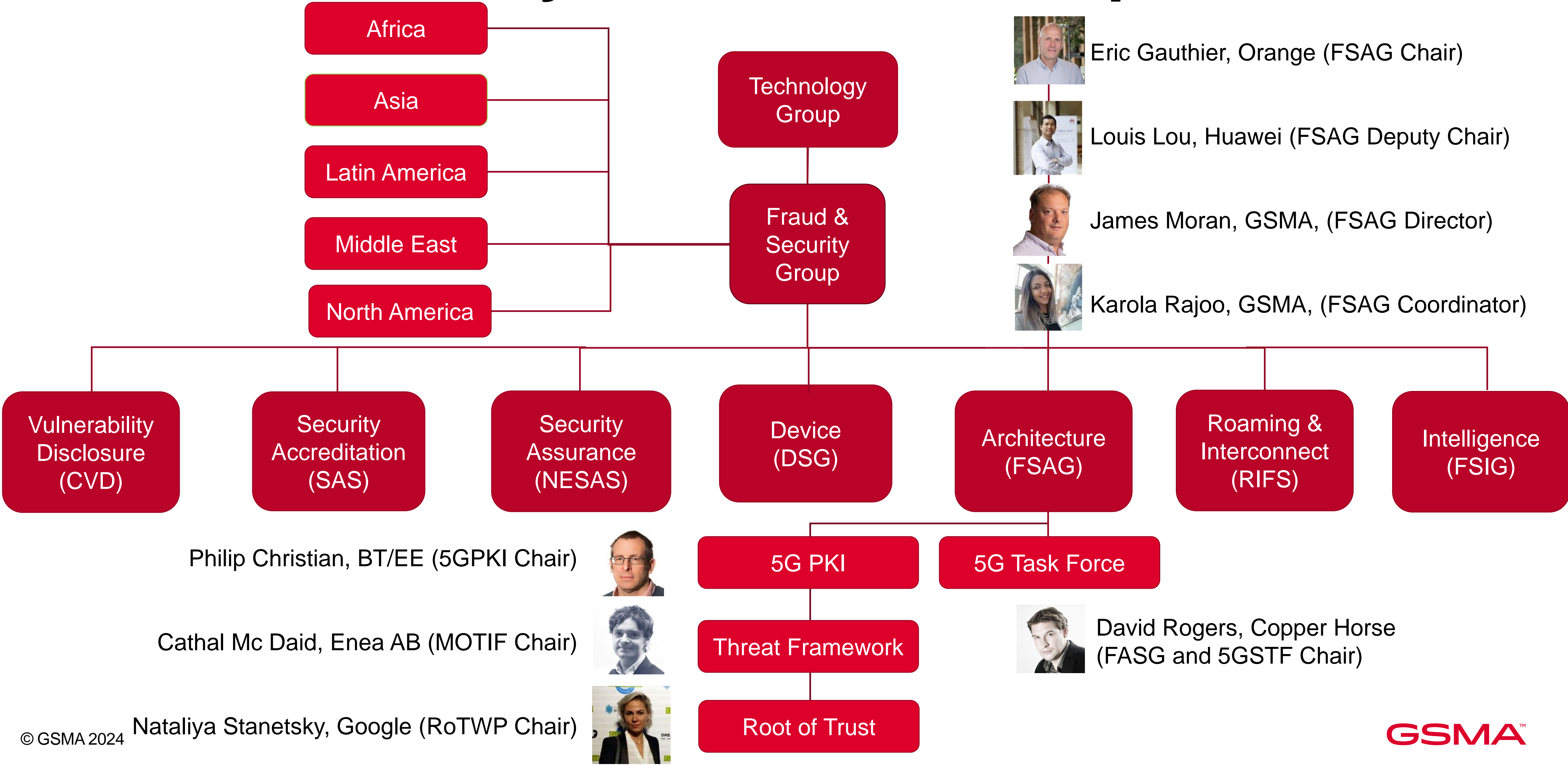
Work meetings in between (virtual)

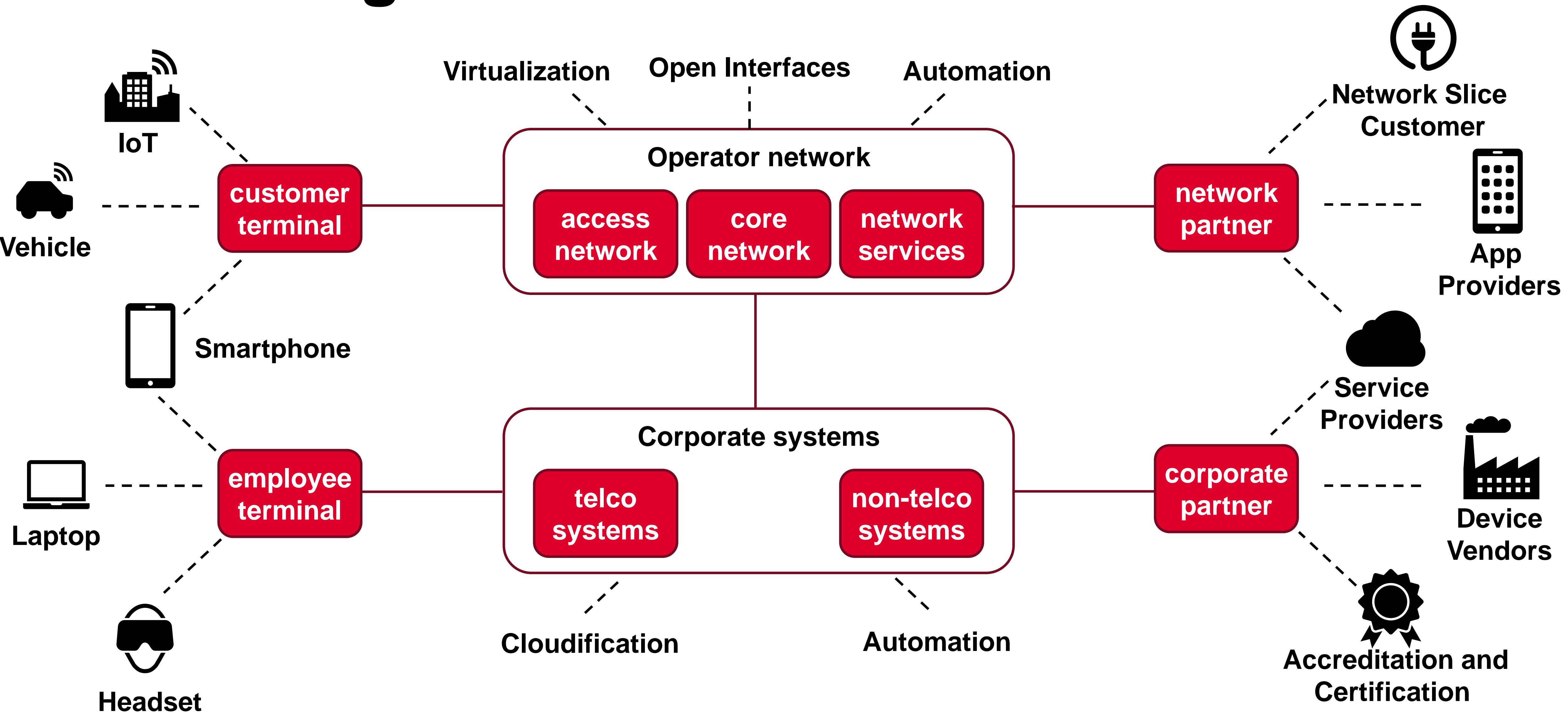**Physical meetings in 2024:**

With ETSI Security Conference in Sophia Antipolis, France, Oct 16-17
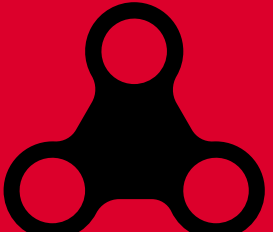
Many thanks to ETSI for hosting this year

ETSI Security Conference 2024

GSMA

Fraud and Security Architecture Group

Africa

Asia

Latin America

Middle East

North America

Technology Group

Fraud & Security Group

Eric Gauthier, Orange (FSAG Chair)

Louis Lou, Huawei (FSAG Deputy Chair)

James Moran, GSMA, (FSAG Director)

Karola Rajoo, GSMA, (FSAG Coordinator)

Vulnerability Disclosure (CVD)

Security Accreditation (SAS)

Security Assurance (NESAS)

Device (DSG)

Architecture (FSAG)

Roaming & Interconnect (RIFS)

Intelligence (FSIG)

Philip Christian, BT/EE (5GPKI Chair)

5G PKI

5G Task Force

Cathal Mc Daid, Enea AB (MOTIF Chair)

Threat Framework

David Rogers, Copper Horse (FASG and 5GSTF Chair)

Nataliya Stanetsky, Google (RoTWP Chair)

Root of Trust

GSMA™

An Evolving Environment

IoT

Vehicle

Smartphone

Laptop

Headset

Virtualization

Open Interfaces

Automation

customer terminal

Operator network

access network

core network

network services

network partner

Network Slice Customer

App Providers

Service Providers

Corporate systems

employee terminal

telco systems

non-telco systems

corporate partner

Device Vendors

Cloudification

Automation

Accreditation and Certification

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Mobile Cybersecurity Knowledge Base

Customer Terminal

Device Anti-Theft (FS.25)	IoT Security (FS.60)
Software Updates (FS.25) / Mobile Malware (SG.19)	
(e)UICC Profiles (FS.27)	IMEI Security
Cryptographic Algorithms (FS.35)	

Risk Management

ATT&CK Framework (FS.57/FS.58)	
Controls Testing Methodology	
Baseline Controls (FS.31)	
5G Fraud (FS.39)	5G Security (FS.40)
Fraud Manual (FF.21)	Security Manual (FS.30)
Vulnerability Disclosure (FS.23)	
Post Quantum Crypto (PQ.1, PQ.2)	

Operator Network

Voicemail Services (SG.20)
Voice Calling VoLTE (FS.22)
Exchange of Subscriber Credentials (FS.28) / Credentials Storage
Network Function Virtualization (FS.33) / Inter-NF Communication

Network Partner

SIM Box Fraud (FS.01) / SMS Fraud (FF.09) / Binary SMS (FS.42)				
SS7 (FS.07, FS.11, FS.52)	Diameter (FS.19)	GTP-C (FS.20)	GTP-U (FS.37)	5G (FS.36)	SIP (FS.38)
				Key Management (FS.34)	
Interconnect Signalling (FS.21) / Interconnect Testing (FS.26)				

Private IP Network

DNS Encryption (IG.10)
IP Exchange Network (IR.34, IR.77)

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Security Guidelines for Mobile Operator APIs
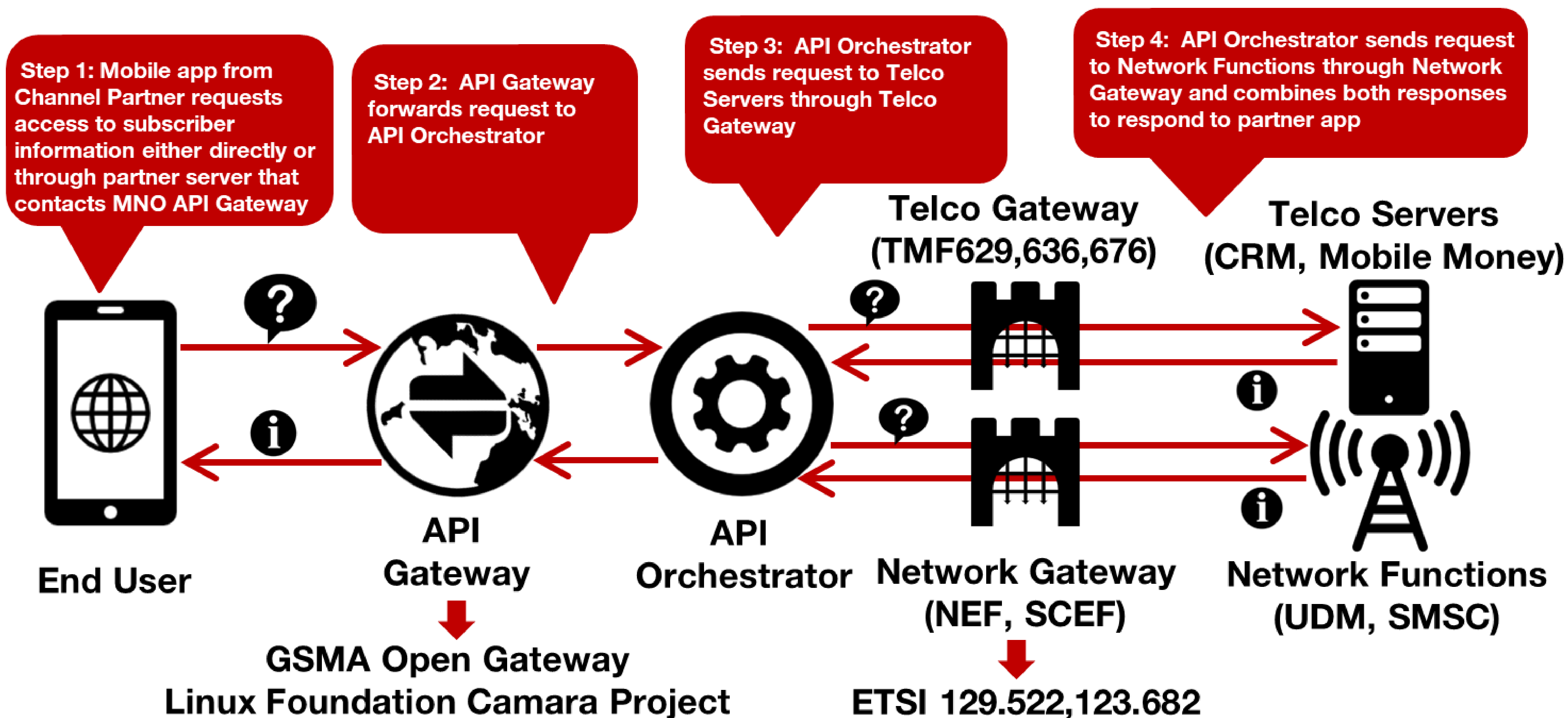
Mobile Edge Computing APIs

Similar requirements in terms of confidentiality and integrity

Increased expectations in terms of availability

Possible tighter control on MEC API integration

Opportunity to add more operational controls e.g. rate limitation, malware detection

Input and participation from MEC community is welcome

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THANKS

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