



5G Service security aspect

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Session 4

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Security aspect of 5G

- Traditional security mechanisms on Mobile telecommunication
 - ➔ Dedicated network
 - Isolated and separated from outside
 - ➔ AAA
 - Authentication, authorization, accountability
 - ➔ Operator oriented security

Security aspect of 5G

- Changed situation
 - ➔ User oriented security
 - ➔ Packet based service and threats
 - ➔ New services on the infra
 - Third party company

Security aspect of 5G

- 5G security would cover:
 - ➔ Security for Infra protection
 - Device/network/server/application
 - ➔ Security for application/service protection
 - Next slide

Application security aspect for 5G

- New trust model and Identity management
 - Hybrid authentication management
 - Combination of device identity and service identity
 - From device-based management to user-based management
- Service-oriented security
 - Build E2E Security
 - Flexible security architecture to support-security attributes for different network slices
 - A uniformed security management framework for multi-vendor environment
 - Open Up security capabilities, and provide security as a service
 - Isolate virtual network slices



Thank you

