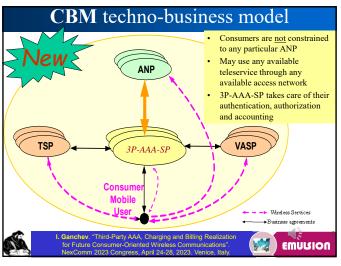
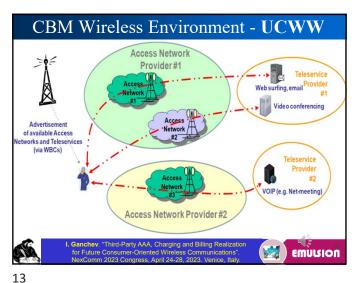
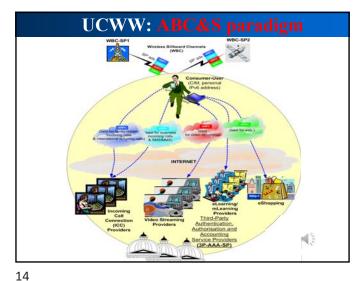


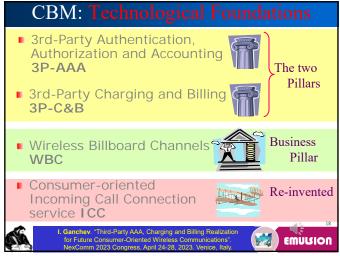
INTRODUCTION

I. Ganchev. "Third-Party AAA, Charging and Billing Realization for Future Consumer-Oriented Wireless Communications". NexComm 2023 Congress, April 24-28, 2023. Venice, Italy.

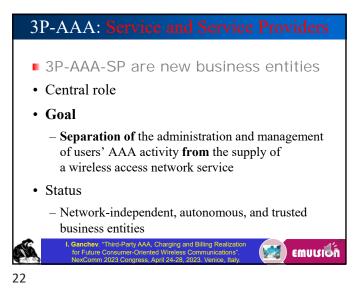


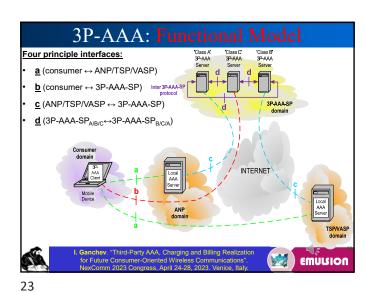






Third-Party Authentication, Authorization and Accounting (3P-AAA) EMULSIอีก์





Accounting Sequences

Accounting Sequences

Accounting Sequences

(1) Accounting Records of for network usage

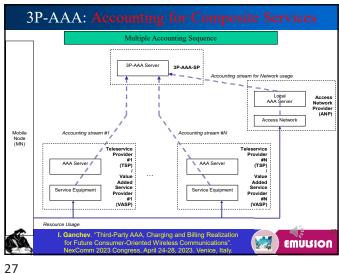
At least 2 parallel accounting streams exist

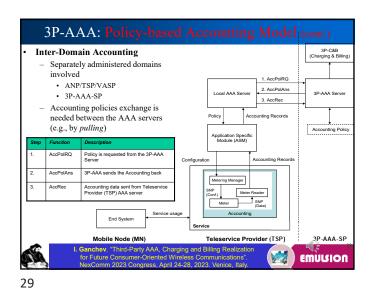
(1) At least 1 for Service Resource usage, and

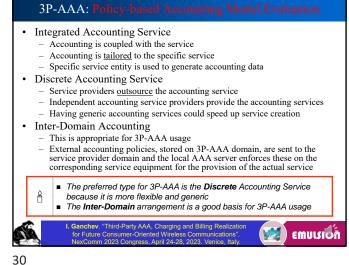
(2) I for Network Resource usage.

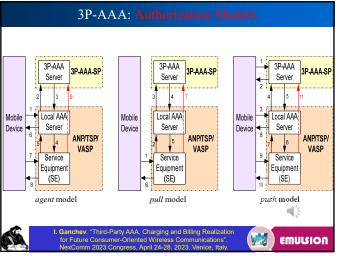
I. Ganchev. Third-Party AAA, Charging and Billing Realization for Future Consumer-Oriented Wireless Communications*.

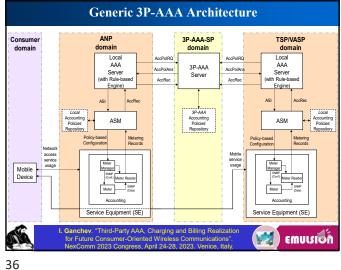
NexComm 2023 Congress, April 24-28, 2023. Venice, Italy

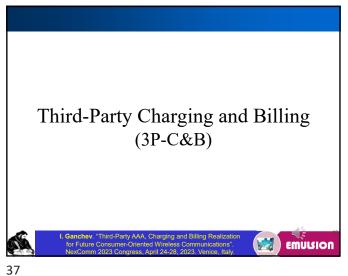


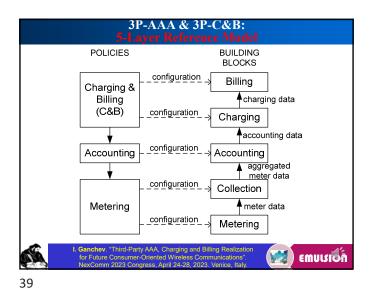


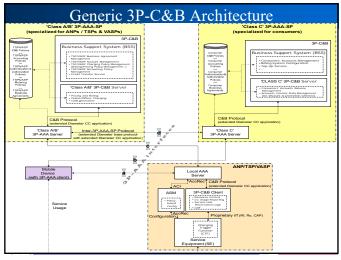


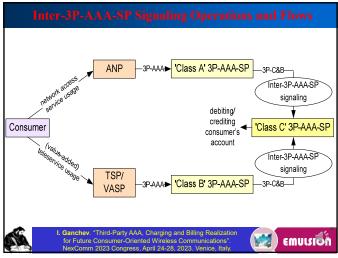


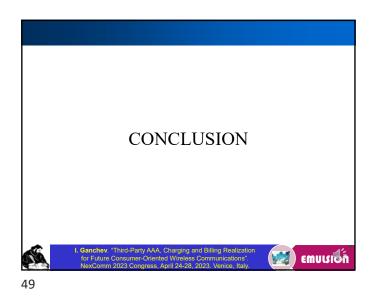












Conclusion

- A generic 3P-AAA and 3P-C&B solution has been described to serve the UCWW, established on the CBM model.
- The main technological foundations for the 3P-AAA and 3P-C&B provisioning have been described.
- A new Inter-3P-AAA-SP signaling protocol has been introduced to facilitate the charging interactions between different classes of 3P-AAA-SPs.
- The development of this protocol, along with other supplementary protocols and applications for use in UCWW, briefly introduced in the presented proposals, is envisaged as part of the future R&D.



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Delivers fast innovative environment for service creation Service providers (ANP, TSP, VASP) do not need to invest in their own AAA and C&B system Service providers can focus better on their services Service providers get the AAA and C&B service for free Delivers a 'fair system' Consumers chooses which service provider (ANP/TSP/VASP) and which service they are going to use (in that point of view, every service provider has equal chances!) Consumer can freely seek for 'value for money' services Helps create sophisticated AAA and C&B systems and services 3P-AAA-SPs can invest in their AAA and C&B services (for new charging schemes or flexible charging solutions) and these will automatically be available for every service provider and this would certainly result in more interest and new customers L'Ganchev: Third-Perty AAA. Charging and Billing Realization for Future Consumer-Oriented Wireless Communications

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Conclusion: Strength with 3P-AAA-SP/3P-C&B Approach

