



5G CONVERGED CHARGING SYSTEM (CCS)

**IS YOUR BSS POWERFUL
AND FLEXIBLE ENOUGH FOR 5G?**



THE 5G COMMERCIALIZATION CHALLENGE

**5G
CORE**

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CORE**

SLOW LEGACY SYSTEMS STRUGGLE WITH THE SPEED AND SCALE NEEDED FOR 5G COMMERCIALIZATION

CSPs are investing heavily in building out their 5G networks. To maximize their return, they will also need to invest in a new commercialization platform.

5G powers new commercialization opportunities for CSPs, including network slicing, network-as-a-service, consumer and enterprise IoT, and new business models for B2B2X.

To harness the potential of 5G, CSPs need cloud-native solutions that can automatically scale and reduce operational costs. However, legacy monetization stacks with monolithic, inflexible builds could restrain CSPs' growth goals.

IS YOUR BSS POWERFUL AND FLEXIBLE ENOUGH FOR 5G?

- 3G/4G charging and policy solutions will not work for 5G.
- Legacy, inflexible monetization solutions could be the biggest inhibitors to your 5G success.
- Considering many 5G use cases are still unknown, you need a powerful, agile and flexible cloud-native charging and policy system that can adapt to these new and exciting opportunities as they emerge.

HOW DO LEGACY MONETIZATION SOLUTIONS INHIBIT 5G COMMERCIALIZATION?

5G supports new business models for all verticals and all customers, delivering massive volumes of transactions with 100 times the traffic capacity of 4G. How will CSPs control and charge for these transactions? Legacy monetization solutions lack the agility and speed-to-market needed to evolve and keep pace as networks transform from 4G to 5G.



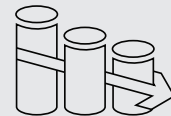
5G CHARGING NEEDS AGILITY AND SPEED

Legacy monetization solutions lack the agility and speed-to-market **needed to evolve** and keep pace as networks transform from 4G to 5G.



5G NEEDS CLOUD-NATIVE CHARGING AND POLICY

New 5G charging and policy services will need to **be cloud-native to match the scale and speed** at which CSPs will create and monetize services.



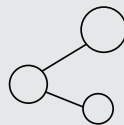
5G NEEDS DYNAMIC SCALING

3G/4G charging and policy solutions **can't scale up and down** seamlessly to adapt network slicing, or move from the network core to the network edge as needed.



5G CHARGING GOES BEYOND MINUTES AND GBS

Most existing BSS systems were designed to charge for minutes and gigabytes. They **can't handle complex charging** for B2B2X services, or latency-based charging for critical activities.



5G DRIVES INNOVATION

Legacy monetization solutions **will not deliver the scalability, performance and reliability** CSPs need to build profitable 5G business models.



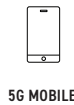
5G IS CLOUD- AND NETWORK VENDOR-AGNOSTIC

Cloud-agnostic deployments will deliver disruptive agility and lower opex, which means **openness and cloud interoperability** are critical.

5G NETWORK EVOLUTION

WHY IS 5G CHARGING AND POLICY NEEDED NOW?

5G NON-STANDALONE (NSA)



5G STANDALONE (SA)

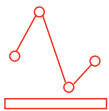


REQUIRES NEW 5G CHARGING AND POLICY

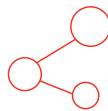
ALL TRANSACTIONS LEAD TO THE 5G CCS

In a 5G network, all transactions (consumer, enterprise, IoT) will be handled by the Converged Charging System so it can generate the CDRs needed by the BSS systems to process revenues.

CSG'S 5G CONVERGED CHARGING SYSTEM POWERS YOUR 5G COMMERCIALIZATION STRATEGY



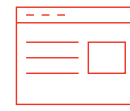
Highly configurable real-time charging and policy **solution for all access networks**, customer types and monetization models (prepaid, postpaid, subscriptions, shared balances, network slicing, etc.)



Scale from zero to millions of sessions with serverless architecture for instantaneous scaling for transaction peaks and lows



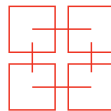
Optimize TCO for rapid deployment, configurable set-up and "pay-as-you-scale" operations



Support for 3G/4G and 5G subscribers and use cases on the one platform protecting your existing revenues



Deploy on-premise, in private clouds as a replacement for **legacy inflexible prepaid charging systems** or as part of an end-to-end BSS transformation



Leverage the benefits of a modular solution providing policy, rating, charging and mediation on **one platform**

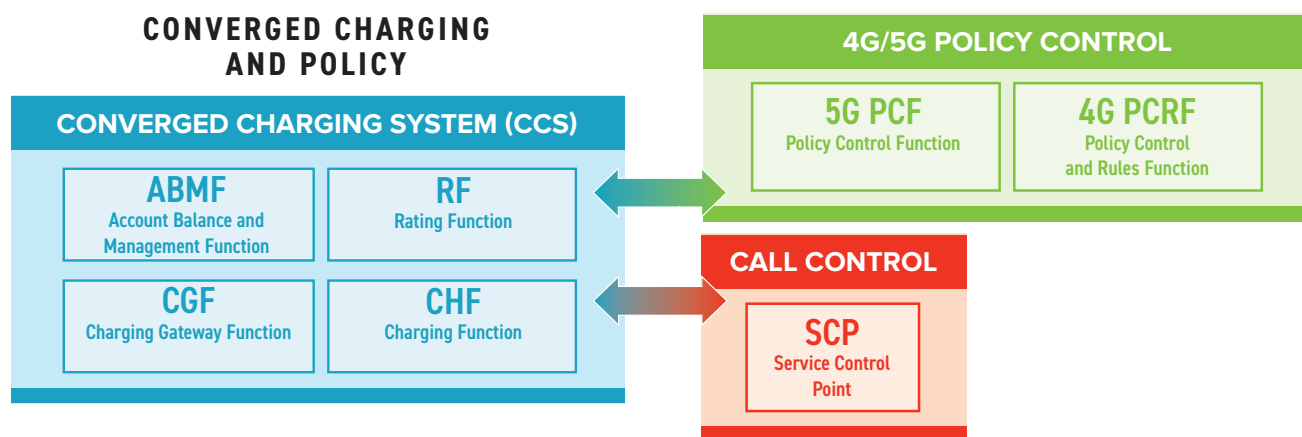


Proven performance in **real-time authorization, policy enforcement and balance management** with the highest throughputs



Support for active-active multi-site deployments and intelligent routing **providing a seamless customer experience**, protecting revenues and business continuity

REAL-TIME CLOUD-NATIVE CHARGING AND POLICY FOR 4G/5G HYBRID NETWORKS AND 5G SA



WHY CSG?

CSG HAS HELPED FIRST MOVER WIRELESS COMPANIES LIKE YOURSELF MOVE TO NEXT GEN PLATFORMS...

WITH CSG, YOU CAN:

- Start monetizing 5G today on your existing systems without disrupting your operations, and **evolve towards a 5G SA future state**
- Quickly trial and launch** new 5G business models for B2C and B2B at hyperscaler speed
- Boost B2C and B2B **customer satisfaction and build brand loyalty** in fiercely competitive markets
- Enable real-time account visibility**, including up-to-date balances, subscriptions, spending controls and limits, and transaction history
- Create real-time, **personalized 4G and 5G offers** in response to customer behavior
- Use real-time notifications to **drive usage and retention** by triggering notifications on spending limits, low balance, thresholds and personalized offers
- Ensure an omnichannel experience using a rich API framework to **integrate customer experience and self-care applications**
- Integrate partners to **enhance your service offering** and create a partner ecosystem powered by TM Forum Open APIs
- Leverage the **benefits of a flexible multi-vendor environment** without worrying about the complexity of the integration



CSG 5G PORTFOLIO. CSG IS READY.

TO HELP YOU COMMERCIALIZE YOUR 5G NETWORK...
CONTACT US TO TALK TO ONE OF OUR 5G CCS EXPERTS TODAY.

ARE YOU READY?