



Packetlogic™ Policy & Charging Control

3GPP-Based Service Innovation

KEY FEATURES & BENEFITS

High Performance and Scalability

- Scalability to millions of subscribers and hundreds of thousands of transactions per second

Broad Interoperability

- Deployments with a wide range of 3GPP solutions from multiple vendors

Rapid Service Creation

- Easy-to-use service templates and references

Unique Service Attributes

- Unparalleled visibility into subscriber attributes that can be used for unique service offerings

Proven Revenue Generation

- Mobile operators around the world generate revenue daily using Procera solutions

For mobile operators who have adopted 3gpp policy and charging control standards, Procera helps simplify and accelerate service creation.

Service Velocity is a key goal for mobile network operators in today's highly competitive market landscape. To meet that need, many are adopting 3GPP standards that enable best-of-breed, multi-vendor solutions for creating and provisioning new, targeted service packages, with flexible charging.

Procera's PacketLogic solutions support these advantages, integrating tightly into the 3GPP PCC architecture by functioning as a policy enforcement point. Our solutions utilize Gx, Gy, and CDR interfaces to interact with 3GPP PCC components, including the Policy and Charging Rules Function (PCRF), Online Charging System (OCS) and Offline Charging System (OFCS) to enable innovative services that leverage Procera's unique visibility of subscriber, application, content, device, location, and quality of experience (QoE).

The intelligence collected in Score Perspective is visualized in the PacketLogic Insights product. Engineering Insights has an interactive drill-down capability to enable root cause analysis for why a score is bad and where the optimal investments can be made to improve network quality for subscribers. Executive Insights displays a high level score that aggregates all subscribers scores with a highlight on the specific score that is degrading the subscriber experience the most.

SUPPORTING HIGH-VALUE USE CASES

Procera's PacketLogic software supports a full suite of network intelligence and policy enforcement use cases, including:

- **Service Innovation** Differentiated services based on Procera's granular subscriber awareness and enforcement capabilities
- **Subscriber Usage Management** Subscriber consumption plans based on usage, time, location, devices, and other attributes
- **Intelligent Charging** Targeted services based on content, applications, location, or any of Procera's thousands of application and content attributes
- **Network Quality Assurance** Ensuring that network quality is maintained through the use of service tiering or fair usage using Procera's location awareness
- **Advanced Traffic Steering** Trigger Advanced Traffic Steering when services or congestion can be managed using value-added services

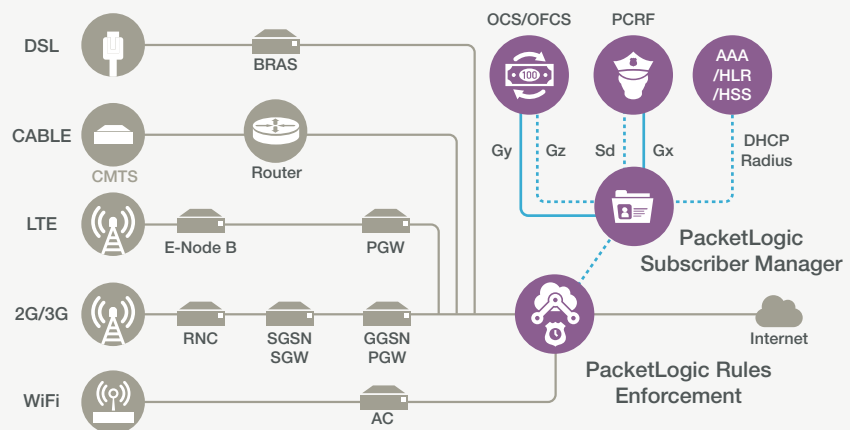
PACKETLOGIC™ 3GPP INTEROPERABILITY SOLUTIONS

Procera's PacketLogic solutions use industry-standard interfaces to interact with 3GPP PCC components:

- Gx is used to interact with PCRF systems for subscriber provisioning and policy enforcement to ensure the correct services and analytics are applied to individual subscribers' mobile broadband traffic
- Gy is used to interact with OCS systems for real-time usage management. Gy is commonly used to enforce pre-paid usage plans as well as application-specific quotas
- CDRs are used to interact with OFCS systems to store usage records for audit or post-paid usage plans. There are a number of different CDR formats that are used in 3GPP networks, and Procera supports a variety of formats for deployment
- Sd is used to perform the Traffic Detection Function and interact with PCRF systems to support real-time triggering for specific subscriber or traffic types

Figure 1

TYPICAL PACKETLOGIC DEPLOYMENT



ABOUT PROCERA NETWORKS

Procera Networks, the global Subscriber Experience company, is revolutionizing the way operators and vendors monitor, manage and monetize their network traffic. Elevate your business value and improve customer experience with Procera's sophisticated intelligence solutions. For more information, visit proceranetworks.com or follow Procera on Twitter at @ProceraNetworks.



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