COMPLETE MOBILE INFRASTRUCTURE
TURNKEY SOLUTIONS FROM THE NAME YOU TRUST

Recognized as a long-time leader in providing high performance software to the communications industry, Metaswitch has earned the reputation for providing the industry's most resilient, best-supported, carrier grade products for voice, data and unified communications. As experts in delivering and deploying 100% cloud native network functions, Metaswitch mobile solutions can start small but easily scale to meet the evolving demands of subscribers and applications. Whether you are facing mandatory replacement, implementing new infrastructure or upgrading your mobile core and services, Metaswitch is the faster - and most trusted - way forward.

» A complete cloud native mobile core solution

» Supports both 4G & 5G Radio Access Networks

» Leading IMS plus voice interworking & security

» A robust & programmable VoLTE/Vo5G TAS

» Highly automated with dynamic orchestration

» Renowned services and support organization

Renew Your Communications Supply Chain «

Fusion Core for LTE and 5G

Fusion Core delivers the only mobile network infrastructure capable of simultaneously supporting 4G and 5G radio access network traffic without the need to maintain an LTE architecture. Our unique interworking approach allows network operators to replace existing Evolved Packet Core (EPC) components with the latest 5G Core (5GC) technology, maintaining service continuity while laying the groundwork for new advanced applications.

Built on our unmatched understanding of cloud native design and implementation, Fusion Core control and user plane functions can be quickly and easily deployed in any data center environment.

>> Powerful LTE and 5G Core
>> Pioneering IMS and SBC
>> Premium VoLTE/Vo5G TAS

With granular scalability and a stateless approach to resiliency built around modern multi-access edge compute (MEC) philosophies, Fusion Core efficiently supports a small number of mobile subscribers while affording the ability to quickly grow as demand increases.

With a strong partner ecosystem, rounding-out our Service Based Architecture (SBA) elements, Fusion Core can open any operator infrastructure up to a multitude of new business opportunities. From private LTE to 5G fixed wireless access, Metaswitch can help leverage licensed, lightly licensed or unlicensed spectrum to support anything from rural wireline subscriber broadband replacement to industrial IoT for factories and farms.

Clearwater IMS and Perimeta SBC

Voice services remain the lifeblood of your subscriber base and Metaswitch knows how important it is to

maintain the confidence you have worked hard to build, over the years.

The IP Multimedia Subsystem (IMS) and Session Border Controllers (SBCs) make up the critical infrastructure that ensures today's telephony applications are operating reliably, securely, and with optimal efficiency.

Built using web development methods to provide voice, video and messaging services for several thousand to millions of users, Clearwater Core implements the central switching function of IMS. Architected from the ground up for granularly scalable deployments within virtualized public or private elastic compute clouds, Clearwater combines the economics of over-the-top (OTT) style service platforms with the standards compliance and reliability expected of telco-grade communications network solutions.

The perimeter of your communications architecture is only as strong as its weakest link. Our Perimeta SBC meets the challenges of today's networks with capabilities that deliver sophisticated network security, extensive protocol interworking and complete packet analysis for in-depth problem isolation and repair. Whether deployed in the access layer or for interconnect, Perimeta is a critical component for fortifying your portfolio of voice and messaging services.

Rhino VoLTE TAS Platform

From efficient spectrum utilization to superior voice quality, adopting VoLTE affords numerous advantages to the network operator and consumer. The Metaswitch Rhino VoLTE TAS provides open and extendable IMS application server function for delivering voice, video and messaging services over LTE, 5GNR and Wi-Fi. Together with our IMS offerings, Rhino can extend support for legacy 3G with Single Radio Voice Call Continuity (SRVCC), providing a transparent voice offering regardless of 4G/5G network coverage continuity.

Rhino delivers the call control services for voice and video communications, plus the supplementary services for VoLTE, equivalent to the switch and supplementary services in GSM. The Rhino VoLTE TAS delivers these services in full compliance with GSMA

standards for implementing IMS, including IR.92, IR.94 and IR.51 VoWiF. As you might expect, from the pioneers in delivering 5G core network functions, Rhino is 5G ready, enabling network operators to offer Voice over 5G (Vo5G) as handset capabilities evolve.

Core Network Domain	Product & Functional Components
Packet Core	Fusion Core 5GC – UPF, AMF, SMF Fusion Core 4G – IWF, MME HPE – HSS, UDM, UDR, AUSF Openet – PCF, PCRF Bridge
Voice Core	Clearwater IMS Core – I/S-CSCF, BGCF Perimeta SBC – P/E-CSCF, IBCF, TrGW,IMS-AGW, ATCF, ATGW Rhino TAS – TAS, SCC-AS, Ut Proxy MRFC, MRFP MGCF, MGW ENUM DES
CI / CD	ServiceIQ Automation & Assurance
Proffessional Services	System integration – design, deploy, integrate, test, support Migration

ServiceIQ Automation and Assurance

Metaswitch ServiceIQ provides a rich suite of automation tooling for operators that enables Continuous Integration / Continuous Delivery (CI/CD) of software updates and service configuration via GitOps pipelines. A data repository comprising key performance indicators (KPIs) supports comprehensive, customizable end to end service dashboards and progressive canary-level test/release workflows. ServiceIQ is modular and tailored to fit seamlessly with other network operation center tools and each service provider's preferred way of working, whether derived from physical appliance-based systems or modern, distributed, multi-access compute clouds.

THE FASTER WAY FORWARD
visit www.metaswitch.com/trusted

Service IQ Monitoring provides observability tools and dashboards, built from the ground up to give a complete service-wide view of operational status. Customizable dashboards allow network engineers to tailor their operational cockpit view to fit their exact needs. The ServiceIQ suite incorporates Metaswitch's unique Service Assurance Server (SAS), delivering always-on built-in probes for all message flows plus major internal events and decision points made by individual network functions. SAS complements ServiceIQ Monitoring and allow drill-down to detailed diagnostic flows.

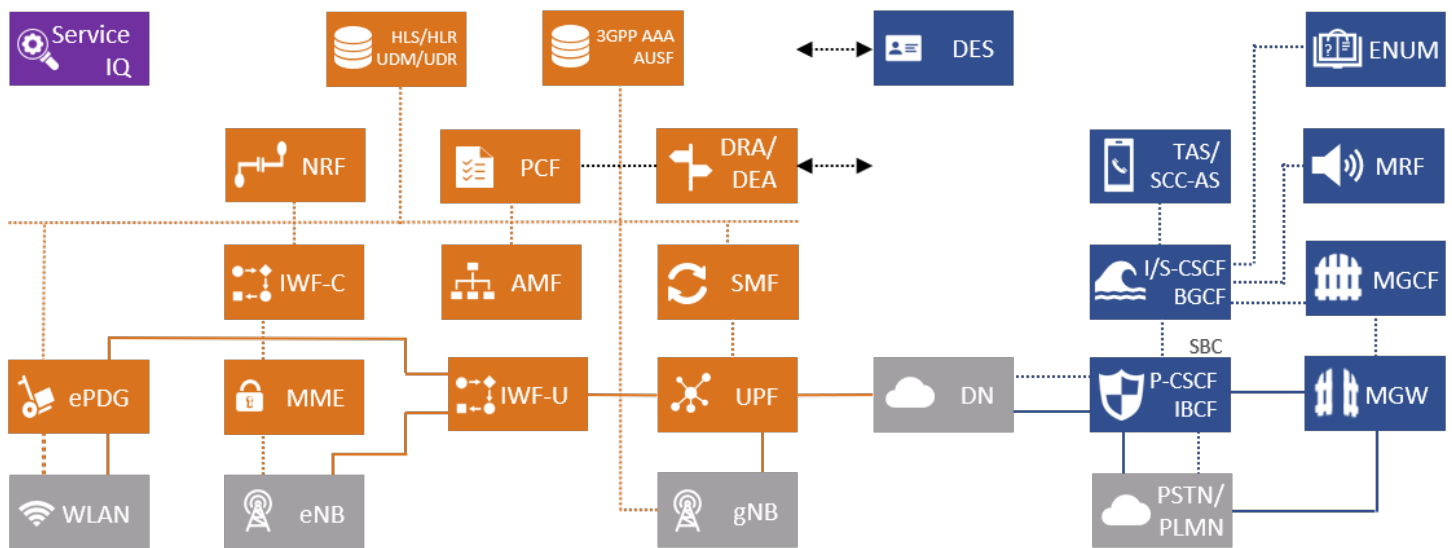## Professional Services and Support

With more than 20 years of experience working with some of the world's most demanding networks, Metaswitch has built a strong reputation for exceptional customer care. We are staffed with telecom industry veterans, and regularly move people between the development team and the Customer Care team so that our support organization includes many of the people who developed our products. Together, they know our products inside-out and understand how they are deployed in the real world.

Metaswitch is a trusted name in network transformation and migration. We have successfully enabled hundreds of network operators across the globe to realize the true value of their Metaswitch network by smoothly and simply migrating millions of subscriber and network connections, thousands of trunks and complete voice messaging platforms.

We work carefully with our customers to evaluate networks and traffic to ensure that the resulting consolidated and migrated network is as operationally efficient and as simple to maintain as possible, while keeping long-term costs down.

We also have a strong custom development team that helps customers extend and modify our solutions to provide tailored features and network integration, augmenting standard service offerings and accelerating deployments. Our experience is validated though continuously high independent survey (Net Promotor) scores and demonstrated with the dedication on display with every new project we undertake.

As you renew your communications supply chain, remember that those in the know, know Metaswitch - the faster and most trusted way forward.

Complete Mobile Infrastructure from Metaswitch
4G/5G Core and optional VoLTE / VoWiFi components

Legend:
- 4G Interworking and 5G Core
- VoLTE and VoWiFi options
- Automation / Assurance
- Partner RF / RAN
- Control Plane
- Data Plane