

Short Message Service Function

The SMSF is essential for SMS traffic on standalone 5G networks and bespoke network slicing, and is compatible with 2G/3G/4G/IMS networks and future 5G/6G and beyond.

Operators need a future-ready SMS solution that can adapt to market demands.

The SVI-SMSF manages subscription information, roaming and legacy interconnects over the Non-Access Stratum (NAS), extending the life of existing network components. Working with the SMSC, via an IP-SM Gateway, operators can scale up, processing up to 50,000 SMS/s. Open interfaces and flexible service logic technology allow operators to rapidly provision new value-added services and differentiate their offers.

Features

- Flexible billing
- Gateway screening
- USSD gateway
- High availability
- OA&M
- Open interfaces

To find out more:

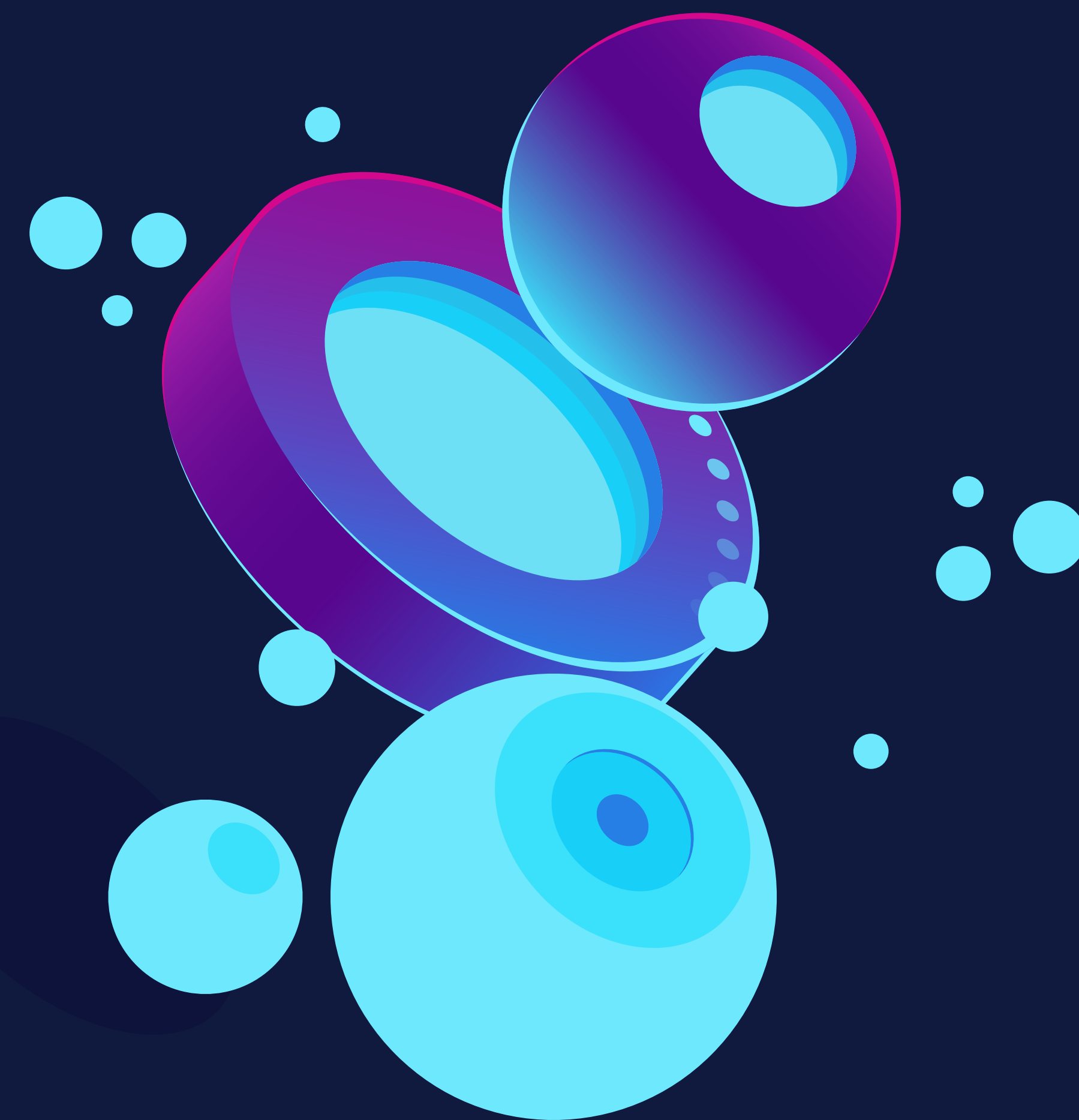
Scan the QR code to contact one of our experts

Visit - www.squire-technologies.co.uk

Email - enquiries@squire-technologies.com



SVI-SMSF



**Embrace 5G SMS with
new value-added
services for IoT, MFA,
OFA, OTP, and legacy
network subscribers,
leveraging rapid core
network enhancements.**

squire technologies

SVI-SMSF Specifications

Scalability	Scale up to 100,000 Transactions Per Second (TPS) through simple license based upgrades.
Network	IPv4 IPv6
Transport Protocol	HTTP/2 TLS TCP IP L2
GSMA Guidelines	NG.113 FS 36 5G Security
Protocol Support	HTTP/2 DIAMETER RADIUS SS7 SIGTRAN HTTP SOAP REST XML SQL
SMSF Interface Support	N21, N20
Diameter Interface Support	Sh, Sd, Sy, Dh, Rf, Ro, Re, Cx, Dx, Sp, Rx, Gx, Gy, Gz Gq, Gi, SGi, Zh, Dz, Zn, Zn', Dw, Wa, Wd, Wx, Wm, Wg, Pr, Wm, Gmb, Mz, Bi, MM10, Ty, Tx, S6a, S6b, S6d, S7c, S9, S13/S13', Gxa, Gxb, Gxc, SWa, SWd, SWn, SWm, SWx, Sta, H2, Gq', E2, E4, E5, Re, A4, Rr, Zh, Zn, Cx, Dx, Pkt-laes-2, P-CSCF- PAM , Pkt-mm-2, TC-6, TC-7, TC-8, TC-9, TC-10, TC-11, DB-0, DB-2, BI-1, LOC-1, Rw, Rs

5G General Specs	3GPP TS 29.500v18.5.0 3GPP TS 29.501
SMSF Specs	3GPP TS 33.501
SIGTRAN Support	RFC 4960 Stream Control Transmission Protocol RFC 3331 Signaling System 7 (SS7) Message Transfer Part 2 (MTP2) -User Adaptation Layer (M2UA) RFC 3332 Signaling System 7 (SS7) Message Transfer Part 3 (MTP3) – User Adaptation Layer (M3UA) RFC 3868 Signaling Control Part User Adaptation Layer (SUA) RFC 4165 Signalling System 7 (SS7) Message Transfer Part 2 (MTP2) User Peer-to-Peer Adaptation Layer (M2PA) RFC 3057 ISDN Q.921-User Adaptation Layer (IUA)
Performance	TPS 100,000 % CPU Usage Avg 80%

Trusted by Customers Worldwide

- **+150 Countries**
- **+400 Telecom Operators**
- **30bn Transactions per second**
- 11tn Transactions per year**

