

Binding Support Function

The 5G SVI-BSF lets you easily track, update and bind data sessions with network-wide shared information elements.

The SVI_BSF harmonises 5G network functions, matching session data to a specific PCF in a multi-PCF network for the duration of a subscriber's registered session. Enhance Quality of Service (QoS) configuration to enhance traffic prioritisation and reduce session delay, packet drops, and network downtime.

Ensure voice over new radio (VoNR) 5G calls utilise the same PCF used when creating an N7 session in the 5G core. Support 5G core network capabilities for third parties using network exposure functions (NEF). Utilise reporting and monitoring through network data analytics functions (NWDAF) to modify the interactions of network functions (NF) with the 5G core.

Harmonising 5G Core Networks

- Register/Deregister/Update user equipment(UE) binding information through the PCF.
- Discover the unique session PCF from the NEF, AF, or NWDAF side.

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-BSF



**Policy Control Function
support for session
data binding to network
functions across 4G/5G
networks.**

Scale your policy/charging function (PCF/CHF) network with the SVI Binding Support Function.

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SVI-BSF 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
BSF Interfaces	N28, N40, N41, N30, N7, N15, N36, N5, Rx (IMS), N23
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
BSF Specs
SIGTRAN Support

3GPP TS 29.500v18.5.0 | 3GPP TS 29.501
IETF RFC 6749

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**

