

SmartEdge Border Gateway Function 11.1.2

SmartEdge

PRODUCT REV. INFO

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1 Introduction

1.1 Scope

This document describes functional changes affecting the 11.1.2 release of the SmartEdge® Border Gateway Function (BGF). It also describes the new hardware that is available with this product release.

Note: This document does not describe all SmartEdge BGF features; it describes only those that are new or enhanced in the current release. For an extensive description of SmartEdge BGF, refer to SmartEdge Border Gateway Function, Reference [1].

1.2 Audience

Engineers who want brief technical information about what is new in this release of the SmartEdge BGF; for example:

- Customer operation staff
- Integration and certification personnel, as a base for integration and testing
- Management and marketing personnel, for information on changes or new functions in the system
- System managers, for traceability of corrective actions between updated products
- Ericsson product owners





2 Functional Aspects

2.1 Hardware

For optional features Secure RTP and MSRP B2BUA, ASE2 cards are required.

2.1.1 Removed hardware

There is no removed hardware in this release.

2.2 Software

For detailed description of the new functionality, refer to SmartEdge Border Gateway Function, Reference [1]. For a description of the impact on surrounding network elements, refer to SmartEdge OS Release 11.1.2.1, Reference [2].

The following new functionality is added in this release. For detailed descriptions, refer to SmartEdge Border Gateway Function, Reference [1].

- Secure RTP – E2E(End to End) and E2AE(End to Access Edge)
- MSRP B2BUA
- ICMP Error Generation & Propagation

The following Trouble Reports have been fixed in this release:

- HK93104 SE-BGF: Incorrect RTCP counters reported to SGC
- HK94141 SEOS-6.1.5.0.245: PPA Card does not start up after brutal repair (pull/replace without lock/unlock)
- HN43137 Vulnerability on BGF faults found after Nessus scan
- HO14460 File sending doesn't work during chat session with SmartEdge users behind NAT
- HN46473 SmartEdge BGF sends faulty H248 message
- HN71844 SBG responds with error message when handling MSRP messages





3 Operation and Maintenance

The following new configuration commands are added.

For secure RTP support:

```
(config)#asp pool pool-name service media-gateway  
(config-license)#media-gateway srtp password
```

For MSRP:

- *For media gateway service type configuration for ASPs:*
(config)#asp pool pool-name service media-gateway
- *For MSRP license configuration:*
(config-license)#media-gateway msrp password
- *For MSRP validation configuration:*
(config-mg)#[no] msrp validate {session-id | path-uri}
- *For MSRP header length configuration:*
(config-mg)#[no] maximum msrp-header-len value

For Increasing the maximum number of steams per call when the multimedia license is configured:

```
(config-mg)#[no] maximum streams-per-call value
```

For command details, refer to SmartEdge configuration guide.





4 Acronyms and Abbreviations

BGF	Border Gateway Function
CoS	Class of Service
DHCP	Dynamic Host Configuration Protocol
DoS	Denial of Service
DSCP	Differentiated Services Code Point
GE	Gigabit Ethernet
GE1020	Gigabit Ethernet 1020
GE3	Gigabit Ethernet 3
GE4	Gigabit Ethernet 4
IKE	Internet Key Exchange
IPCP	IP Control Protocol
IPsec	IP Security
ISSU	In-service Software Upgrade
L2	Layer 2
L2TP	Layer 2 Tunneling Protocol
L3	Layer 3
LAC	L2TP Access Concentrator
LDP	Label Distribution Protocol
LSP	Label-switched path
MAC	Medium Access Control
MIB	Management Information Base
MIC	Media Interface Card
NAPT	Network Address Port Translation
NAS	Network Access Server



NAT	Network Address Translation
PPP	Point-to-Point Protocol
PPPoE	Point-to-Point Protocol over Ethernet
PVC	Permanent Virtual Circuit
QoS	Quality of Service



Reference List

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- [1] *SmartEdge Border Gateway Function*, 155 13-CRA 119 1170/1 Uen
- [2] *SmartEdge OS Release 11.1.2.1*, 8/109 48-CRA 119 1170/1 Uen