



UCC 5G UPF - Release Change Reference

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Features and Behavior Change Quick Reference

Features / Behavior Changes	Release Introduced / Modified
IPsec Support for IPv6, on page 2	2021.04.0
IPv6 Dual-Stack Support, on page 3	2021.04.0
Outer Header Removal	2021.04.0

Feature Defaults Quick Reference

The following table indicates what features are enabled or disabled by default.

Feature	Default
IPSec Support for IPv6	Enabled - Always-on
IPv6 Dual-Stack Support	Enabled - Always-on
Outer Header Removal	Enabled - Always-on

IPsec Support for IPv6

Feature Summary and Revision History

Summary Data

Table 1: Summary Data

Applicable Product (s) or Functional Area	5G-UPF
Applicable Platforms	VPC-SI
Feature Default Setting	Enabled – Always-on
Related Changes in this Release	Not Applicable
Related Documentation	<i>UCC 5G UPF Configuration and Administration Guide</i>

Revision History

Table 2: Revision History

Revision Details	Release
First introduced	2021.04.0

Feature Description

IPsec is a suite of protocols that interact with one another to provide secure private communications across IP networks. These protocols allow the system to establish and maintain secure tunnels with peer security gateways. IPsec provides confidentiality, data integrity, access control, and data source authentication to IP datagrams.

For more information, refer to the [UCC 5G UPF Configuration and Administration Guide > IPsec Support for IPv6](#) chapter.

IPv6 Dual-Stack Support

Feature Summary and Revision History

Summary Data

Table 3: Summary Data

Applicable Product (s) or Functional Area	5G-UPF
Applicable Platforms	VPC-SI
Feature Default Setting	Enabled – Always-on
Related Changes in this Release	Not Applicable
Related Documentation	<i>UCC 5G UPF Configuration and Administration Guide</i>

Revision History

Revision Details	Release
First introduced.	2021.04.0

Feature Description

IPv6 Dual-Stack Support feature enables the gNodeB to support both IPv4 and IPv6 transport types over the same N3 interface.

This feature also provides IPv6 support on N3, N4, and N6 interfaces. N9 interface is currently not supported.

Outer Header Removal

Feature Summary and Revision History

Summary Data

Table 4: Summary Data

Applicable Product(s) or Functional Area	5G-UPF
Applicable Platform(s)	VPC-SI
Feature Default Setting	Enabled - Always-on

Related Changes in this Release	Not Applicable
Related Documentation	Not Applicable

Revision History

Table 5: Revision History

Revision Details	Release
Support is added for Outer Header Removal IE.	2021.04.0
In this release, PFCP library is upgraded to support the latest version of Outer Header IE.	2020.02.5
First introduced.	2020.02.0

Feature Description

Outer Header Removal feature is used to remove GPRS Tunnelling Protocol User Plane (GTP-U) header from the uplink GTP-U packets.

For more information, refer to the [UCC 5G UPF Configuration and Administration Guide > N4 Interface Compliance with 3GPP Specification](#) chapter.