Ultra Cloud Core 5G Policy Control Function, Release 2022.01 - Release Change Reference

First Published: 2022-01-31

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About this Guide

Note The documentation set for this product strives to use bias-free language. For purposes of this documentation set, bias-free is defined as language that does not imply discrimination based on age, disability, gender, racial identity, ethnic identity, sexual orientation, socioeconomic status, and intersectionality. While any existing biased terms are being substituted, exceptions may be present in the documentation due to language that is hardcoded in the user interfaces of the product software, language used based on RFP documentation, or language that is used by a referenced third-party product.

This document is a part of the Ultra Cloud Core 5G Policy Control Function documentation set.

For information about available documentation, see the Ultra Cloud Core 5G Policy Control Function Documentation Map for this release at Cisco.com.

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Conventions Used

The following tables describe the conventions used throughout this documentation.

Notice Type	Description
Information Note	Provides information about important features or instructions.
Caution	Alerts you of potential damage to a program, device, or system.
Warning	Alerts you of potential personal injury or fatality. May also alert you of potential electrical hazards.

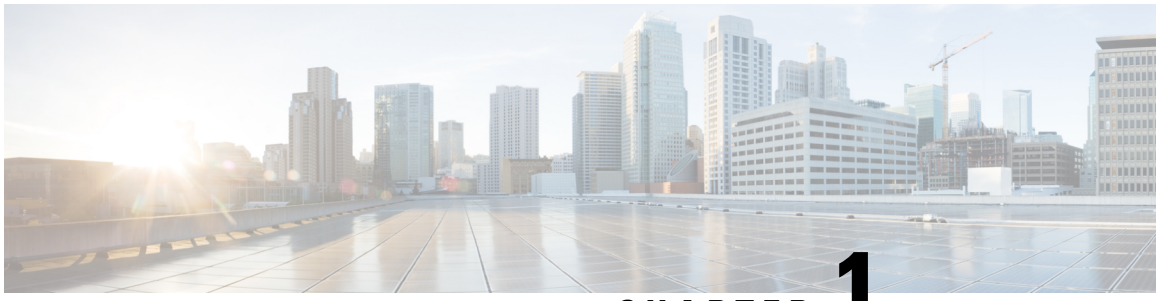
Typeface Conventions	Description
Text represented as a `screen display`	This typeface represents displays that appear on your terminal screen, for example: `Login:`

Typeface Conventions	Description
Text represented as **commands**	This typeface represents commands that you enter, for example: **show ip access-list** This document always gives the full form of a command in lowercase letters. Commands are not case sensitive.
Text represented as a **command** *variable*	This typeface represents a variable that is part of a command, for example: **show card** *slot_number* *slot_number* is a variable representing the applicable chassis slot number.
Text represented as menu or sub-menu names	This typeface represents menus and sub-menus that you access within a software application, for example: Click the **File** menu, then click **New**

Contacting Customer Support

Use the information in this section to contact customer support.

Refer to the support area of http://www.cisco.com for up-to-date product documentation or to submit a service request. A valid username and password are required to access this site. Please contact your Cisco sales or service representative for additional information.



CHAPTER 1

UCC 5G PCF - Release Change Reference

- Features and Changes Quick Reference, on page 1
- Feature Defaults Quick Reference, on page 1
- Dual Stack Support on all NF Interfaces, on page 2
- Message Prioritization and Overload Handling, on page 3
- Simless Emergency Feature, on page 4

Features and Changes Quick Reference

Features / Behavior Changes	Release Introduced / Modified
Dual Stack Support on all NF Interfaces, on page 2	2022.01.0
Message Prioritization and Overload Handling, on page 3	2022.01.0
Simless Emergency Feature, on page 4	2022.01.0

Feature Defaults Quick Reference

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

Feature	Default
Dual stack support on all NF interfaces	• Diameter Endpoint: Enabled – Always-on • NRF, N7, N28, and NNRF external interfaces or endpoints: Disabled – Configuration required to enable
Message Prioritization and Overload Handling	Disabled – Configuration required to enable
Simless Emergency Feature	Disabled – Configuration required to enable

Dual Stack Support on all NF Interfaces

Feature Summary and Revision History

Summary Data

Table 1: Summary Data

Applicable Product(s) or Functional Area	PCF
Applicable Platform(s)	SMI
Feature Default Setting	• Diameter Endpoint: Enabled – Always-on • NRF, N7, N28, and NNRF external interfaces or endpoints: Disabled – Configuration required to enable
Related Documentation	*UCC 5G PCF Configuration and Administration Guide*

Revision History

Table 2: Revision History

Revision Details	Release
Enhancement introduced. PCF supports dual stack (IPv4 and IPv6) connectivity on Diameter, NRF, N7, N28, and NNRF external interfaces or endpoints.	2022.01.0

Feature Description

PCF supports dual stack (IPv4 and IPv6) connectivity on Diameter, NRF, N7, N28, and NNRF external interfaces or endpoints.

For more information, see the following chapters in UCC 5G PCF Configuration and Administration Guide.

- Diameter Endpoint
- Multiple Virtual IP Address
- NRF Interface

Message Prioritization and Overload Handling

Feature Summary and Revision History

Summary Data

Table 3: Summary Data

Applicable Product(s) or Functional Area	PCF
Applicable Platform(s)	SMI
Feature Default Setting	Disabled – Configuration required to enable
Related Documentation	*UCC 5G PCF Configuration and Administration Guide*

Revision History

Table 4: Revision History

Revision Details	Release
First introduced.	2022.01.0

Feature Description

PCF supports the following message prioritizations:

- Message priority handling framework—Provides configuration to handle the incoming message rules with priority.
  - Diameter configuration
  - PCF configuration
- Inbound WPS Rx Message prioritization—During engine processing the WPS messages are prioritized over non-WPS messages.
- Inbound WPS SBI Message prioritization—During engine processing the 3gpp-Sbi-Message-Priority header messages are prioritized.

For more information, see the Message Prioritization and Overload Handling chapter in the UCC 5G PCF Configuration and Administration Guide.

Simless Emergency Feature

Feature Summary and Revision History

Summary Data

Table 5: Summary Data

Applicable Product(s) or Functional Area	PCF
Applicable Platform(s)	SMI
Feature Default Setting	Disabled – Configuration required to enable
Related Documentation	*UCC 5G PCF Configuration and Administration Guide*

Revision History

Table 6: Revision History

Revision Details	Release
First introduced.	2022.01.0

Feature Description

Simless emergency feature allows the UE without a SIM to make an emergency call. Emergency calls are routed to the emergency services in accordance with national regulations to the subscriber location.

For more information, see the Simless Emergency Feature chapter in the UCC 5G PCF Configuration and Administration Guide.