



UCC 5G PCF - Release Change Reference

- [New in Documentation, on page 1](#)
- [Features and Changes Quick References, on page 1](#)
- [Add CDL Utility to PCF Software Image, on page 2](#)
- [Enhancement to N7 and NRF Features in Support with Release 16 Baseline Compliance, on page 3](#)
- [NF Set and NF Service Set, on page 4](#)
- [URSP Support in PCF, on page 5](#)

New in Documentation

Information on new features, enhancements, and behavior changes in the Release Change Reference (RCR) document will now be available under the **What's New in this Release** section in the 5G release notes.



Note This document will be deprecated in 2024.01 and later releases.

Features and Changes Quick References

Table 1:

Features / Behavior Changes	Release Introduced / Modified	Default
Add CDL Utility to PCF Software Image	2023.04.0	Enabled – Always-on
Enhancement to N7 and NRF Features in Support with Release 16 Baseline Compliance	2023.04.0	Enabled – Always-on
NF Set and NF Service Set	2023.04.0	Enabled – Always-on
URSP Support in PCF	2023.04.0	Enabled – Always-on

Add CDL Utility to PCF Software Image

Add CDL Utility to PCF Software Image

Feature Summary and Revision History

Table 2: Summary Data

Applicable Products or Functional Area	PCF
Applicable Platform(s)	SMI
Feature Default Setting	Enabled - Always-on
Related Documentation	Not Applicable

Table 3: Revision History

Revision Details	Release
Added pcf-utilities pod to retain the CDL utility scripts on master nodes post force VM redeploy from Cluster Manager.	2023.04.0

Feature Description

PCF supports the `pcf-utilities` pod to retain the CDL utility scripts on master nodes post force VM redeploy from Cluster Manager. The scripts is available on the following master node persistent volume path:

```
/data/<pcf-namepsace>/ data-pcf-utilities-0/cdl/
```

For more information, refer to [Ultra Cloud Core 5G Policy Control Function Configuration and Administration Guide > Add CDL Utility to PCF Software](#) chapter.

Enhancement to N7 and NRF Features in Support with Release 16 Baseline Compliance

Enhancement to N7 and NRF Features in Support with Release 16 Baseline Compliance

Feature Summary and Revision History

Table 4: Summary Data

Applicable Products or Functional Area	PCF
Applicable Platform(s)	SMI
Feature Default Setting	Enabled - Always-on
Related Documentation	Not Applicable

Table 5: Revision History

Revision Details	Release
Added support for: <ul style="list-style-type: none"> • Not supporting simultaneous online and offline charging. • Added <code>loadTimeStamp</code> attribute. 	2023.04.0

PCF supports the following enhancements of the N7 and NRF functionalities:

- Both the online and offline charging attributes shall not be simultaneously present with the same value
 - If offline charging applies, the PCF includes the `offline` attribute set to `true` within the `SmPolicyDecision` data structure in the response of HTTP POST message.
 - If online charging applies, the PCF includes the `online` attribute set to `true` within the `SmPolicyDecision` data structure in the response of HTTP POST message.
- Update the load information during the NRF profile registration, update and heartbeats. PCF captures the timestamp using the `loadTimeStamp` attribute to indicate the point of time in which the NF updates this attribute in NRF.

For more information, refer to [UCC 5G PCF Configuration and Administration Guide > Heartbeat](#) chapter and [UCC 5G PCF Configuration and Administration Guide > Online Charging Enablement over N7 to SMF](#) chapter.

NF Set and NF Service Set

NF Set and NF Service Set

Feature Summary and Revision History

Table 6: Summary Data

Applicable Products or Functional Area	PCF
Applicable Platform(s)	SMI
Feature Default Setting	Enabled – Configuration required to disable
Related Documentation	Not Applicable

Table 7: Revision History

Revision Details	Release
First introduced.	2023.04.0

Feature Description

PCf supports the NF Set and NF Service Set feature. To configure the feature, the `set ID` attribute for NF Set ID and NF Service Set ID is added to the following CLI commands:

- `service-registration profile`
- `service-registration services`

Use the `set ID` attribute for configuring `nf-client` for the NF Set ID and NF Service Set ID in the following CLI commands:

- `profile nf-pair nf-type`
- `profile nf-client nf-type`

For more information, refer to [Ultra Cloud Core 5G Policy Control Function Configuration and Administration Guide > NF Set and NF Service Set](#) chapter.

URSP Support in PCF

URSP Support in PCRF

Feature Summary and Revision History

Table 8: Summary Data

Applicable Products or Functional Area	PCF
Applicable Platform(s)	SMI
Feature Default Setting	Enabled - Always-on
Related Documentation	Not Applicable

Table 9: Revision History

Revision Details	Release
First introduced.	2023.04.0

Feature Description

PCF offers URSP support which is the UE Route Selection Policy. It is used by the UE to determine how to route outgoing traffic. Traffic can be routed to an established PDU Session, can be offloaded to non-3GPP access outside a PDU Session.

For more information, refer to [Ultra Cloud Core 5G Policy Control Function Configuration and Administration Guide > URSP Support in PCF](#) chapter.

