



# CLI Support for P-GW to include AVPs in CCR-U Messages

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## Feature Summary and Revision History

### Summary Data

Applicable Product(s) or Functional Area	P-GW
Applicable Platform(s)	ASR 5500
Feature Default	Disabled - Configuration Required
Related Changes in This Release	Not Applicable
Related Documentation	<ul style="list-style-type: none"><li>• <i>Command Line Interface Reference</i></li><li>• <i>P-GW Administration Guide</i></li></ul>

### Revision History



#### Important

Revision history details are not provided for features introduced before releases 21.2 and N5.5.

Revision Details	Release
This Behavior Change was introduced in 21.4.14. With this release, CLI support for P-GW to include AVPs in CCR-U messages is also applicable to 21.11.3	21.11.3

Revision Details	Release
This Behavior Change was introduced in 21.4.14. With this release, CLI support for P-GW to include AVPs in CCR-U messages is also applicable to 21.8.10	21.8.10
For Wi-Fi calls, when P-GW receives the AVPs - UDP-SOURCE-PORT and UE-Local-IP-Address, in the CB Rsp or UB Rsp or DB Rsp message, it sends these AVPs in the CCR-U messages towards the PCRF even if there are no changes in the AVP values.	21.4 .14
First introduced.	Pre 21.2

## Feature Changes

For Wi-Fi calls, when P-GW receives the AVPs - UDP-SOURCE-PORT and UE-Local-IP-Address, in the CB Rsp or UB Rsp or DB Rsp message, it sends these AVPs in the CCR-U messages towards the PCRF even if there are no changes in the AVP values.

To support the above functionality, a new keyword - **ue-ip-udp-port**, is added to the **diameter encode-supported-features command** in the *Policy Control Configuration Mode*. By default, this keyword is disabled.

**Previous Behavior:** For Wi-Fi calls, if P-GW receives the AVPs - UDP-SOURCE-PORT and/or UE-Local-IP-Address in the CB Rsp, UB Rsp or DB Rsp, it checks for a change in the AVP values with the value received earlier. If there are no changes in the AVP values, then the P-GW does not send these AVPs in the CCR-U message towards PCRF. Otherwise, the P-GW only sends the UE-Local-IP-Address IE in the CCR-U message towards PCRF.

**New Behavior:** For Wi-Fi calls, when the CLI is configured with the keyword **ue-ip-udp-port** enabled, the P-GW sends the AVPs - UDP-SOURCE-PORT and UE-Local-IP-Address in the CCR-U message towards PCRF.




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**Note** If P-GW does not receive the above mentioned AVPs in the CB Rsp, UB Rsp or DB Rsp message, it does not send the AVPs in the CCR-U message towards PCRF.

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## Command Changes

### diameter encode-supported-features

In the *Policy Control Configuration* mode, the **diameter encode-supported-features** command's **netloc-untrusted-wlan** is supported with the **ue-ip-udp-port** keyword which facilitates the P-GW to include the UDP-SOURCE-PORT and UE-Local-IP-Address AVPs in the CCR-U message sent towards PCRF.

To enable this functionality, use the following configuration:

```
configure
  context context_name
```

```
ims-auth-service service_name
  policy-control
    diameter encode-supported-features netloc-untrusted-wlan
ue-ip-udp-port
  no diameter encode-supported-features
end
```

**NOTES:**

- The **ue-ip-udp-port** keyword is displayed only if **netloc-untrusted-wlan** is configured.
- **ue-ip-udp-port**: Sends the UDP-SOURCE-PORT and UE-Local-IP-Address AVPs in CCR-U messages for Wi-Fi calls even though the AVP values remain unchanged.
- **no**: Disables this functionality at an IMS-Auth service level.

## Performance Indicator Changes

### show ims-authorization service all verbose

The output of this command includes the following fields in support of this functionality:

- Supported Features
  - netloc-untrusted-wlan ue-ip-udp-port

show ims-authorization service all verbose