CDR/EDR Field Descriptions

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Default Policy Reporting Fields

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Note RADIUS-based policy control is no longer supported in CPS 14.0.0 and later releases as 3GPP Gx Diameter interface has become the industry-standard policy control interface.

Table 1: Default Policy Reporting Fields

Group	Type	Field Name	Field Data Type	Descriptions
Default Policy Reporting Fields				
	NETWORK			
		Access Type	VARCHAR	IPCAN types such as: • 3GPP • GPS • EPS
		Cell Site Id	VARCHAR	Unique identifier for Cell site.
		chargingId	VARCHAR	A subscriber might have a unique charging ID. Using this, usage by members of a sub account, or 'children' of the subscriber can be billed to their 'parent'.

Group	Type	Field Name	Field Data Type	Descriptions
		Circuit Id	VARCHAR	Information specific to which circuit the request came in on.
		Device Rating Group	VARCHAR	The Rating-Group AVP is of type Unsigned32 (AVP Code 432) and contains the identifier of a rating group. All the services subject to the same rating type are part of the same rating group. The specific rating group the request relates to is uniquely identified by the combination of Service-Context-Id and Rating-Group AVPs.
		Framed IP	VARCHAR	This Attribute indicates the address to be configured for the user. It MAY be used in Access-Accept packets. It MAY be used in an Access-Request packet as a hint by the NAS to the server that it would prefer that address, but the server is not required to honor the hint.
		Imei Sv	VARCHAR	IMEISV (16 digits) includes information on the origin, model, and serial number of the device.
		IMSI	VARCHAR	International mobile Subscriber Identity is a unique identification associated with all cellular networks. It is stored as a 64 bit field and is sent by the phone to the network.
		MAC Address	VARCHAR	A unique identifier assigned to network interfaces for communications on the physical network segment.
		MSISDN	VARCHAR	A number uniquely identifying a subscription in a GSM or a UMTS mobile network.
		NAS IP	VARCHAR	IP address for the Network Access Server

Group	Type	Field Name	Field Data Type	Descriptions
		RAT Type	VARCHAR	Unique identifier for Radio Access Type.
		SGSN Address	VARCHAR	Diameter based network node - can be used for location reporting
	TRAFFIC			
		In Bytes	BIGINT	In Bytes per Accounting Record
		Out Bytes	BIGINT	The number of output bytes.
		Total Bytes	BIGINT	The number of Total bytes.
		Traffic Type	VARCHAR	Streaming, Gaming - This is Diameter Dependent.
	PCRF			
		Device Service	VARCHAR	The current Active Device Service.
		Device Session Id	VARCHAR	Unique identifier for a single session on a single device.
		NAS ID	VARCHAR	Unique identifier for the Network Access Server.
		Service	VARCHAR	The current Active Service Code.
		Service Code	VARCHAR	The current Active Service Code
		User Domain Info	VARCHAR	The domain associated to the subscriber.
		User Name	VARCHAR	User name
	SUBSCRIBER			
		SubscriberExternalId	VARCHAR	Occasionally, a subscriber may need to connect with or relate to an external third-party system. This field identifies the subscriber to that external service.
		Subscriber Realm	VARCHAR	Default Login Realm, Ex. USuM Auth, AAA Proxy

Group	Type	Field Name	Field Data Type	Descriptions
		Subscriber Status	VARCHAR	Active, Expired
		Sub User Name	VARCHAR	The networkId is a unique string value that identifies the subscriber. This can be any value such as MSISDN, MAC Address, IP Address, IMPI, Email Address, Telephone number, etc.
		User Location Info	VARCHAR	Location code corresponding to one of several possible location identifiers (MAC, SSID, IP subnet).
	BALANCE			
		Balance Code	VARCHAR	Account Balance Code is the code of the balance template defined in the Policy Server (QNS) reference data that corresponds to the balance (group of quotas) to be credited, debited, provisioned, etc.
		Balance Remaining	BIGINT	The exact balance remaining. The balanceRemaining (Long) field is rounded to a whole number.
		Balance Used	BIGINT	Amount of balance used currently by subscriber.
		Credit End Date	DATETIME (E MMM dd HH:mm:ss time zone)	Date credit expires.
		Credit Start Date	DATETIME (E MMM dd HH:mm:ss time zone)	Start and End date are when you want the credit to become valid and when you want it to expire. If not specified, the start date defaults to now.
		Original Amount	BIGINT	Original amount of subscriber balance before any debits applied.

Group	Type	Field Name	Field Data Type	Descriptions
		Quota Code	VARCHAR	Quota Code is the code of the quota template defined in the Policy Server (QNS) reference data that corresponds to the quota (actual bucket) to be credited.
		Rate	VARCHAR	Rate at which balance is charged. 1x, 3x.
		Rated Total Amount	VARCHAR	Total amount with the rate applied.
		Rate Plan Code	VARCHAR	Optional Rate Plan Code.
		Refresh Date of Credit	DATETIME (E MMM dd HH:mm:ss time zone)	Date credit is refreshed to pre-configured amount.
		Refresh Day of Month Of Credit	DATETIME (E MMM dd HH:mm:ss time zone)	Date when Balance/Quota refreshes to original amount.
		Reservation_Amount	BIGINT	Quota reservation amount.
		Tariff Code	VARCHAR	Code linked to subscriber service. Different service options can be applied to services at specified time ex. Holidays.
		Tariff Time Id	VARCHAR	Time of day boundary.
		Unrated Total Amount	VARCHAR	Total amount with no rate applied.
	SESSION			
		Rejected Start	BIGINT	If any value of the received Attributes is not acceptable, then the RADIUS server MUST transmit a packet with the Code field set to 3 (Access-Reject). It MAY include one or more Reply-Message Attributes with a text message which the NAS MAY display to the user.
		Session Duration	BIGINT	The amount of time the session has been up, in clock time

Group	Type	Field Name	Field Data Type	Descriptions
		Start Session	BIGINT	Number of Start Sessions.
		Stop Session	BIGINT	This number increments when a session stops for reporting purposes.

Custom Reference Data

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Note RADIUS-based policy control is no longer supported in CPS 14.0.0 and later releases as 3GPP Gx Diameter interface has become the industry-standard policy control interface.

Table 2: Custom Reference Data

Group	Type	Field Name	Field Data Type	Descriptions
Custom Reference Data				
	User	Name		This Attribute indicates the name of the user to be authenticated. It MUST be sent in Access-Request packets if available. It MAY be sent in an Access-Accept packet, in which case the client SHOULD use the name returned in the Access-Accept packet in all Accounting-Request packets for this session. If the Access- Accept includes Service-Type = Rlogin and the User-Name attribute, a NAS MAY use the returned User-Name when performing the Rlogin function.
	Any registered AVP of RADIUS or Diameter	Value		Type and description applies based on AVP chosen, which cannot be specified explicitly.
Policy Report Fields				
	Reference Data Field			
		Device Service	VARCHAR	

Group	Type	Field Name	Field Data Type	Descriptions
		Session Duration	BIGINT	The amount of time the session has been up, in clock time.
		NAS ID	VARCHAR	Unique identifier for the Network Access Server.
		Access Type	VARCHAR	IPCAN types, 3GPP, GPS, EPS
		MAC Address	VARCHAR	A unique identifier assigned to network interfaces for communications on the physical network segment.
		Device Rating Group	VARCHAR	The Rating-Group AVP is of type Unsigned32 (AVP Code 432) and contains the identifier of a rating group. All the services subject to the same rating type are part of the same rating group. The specific rating group the request relates to is uniquely identified by the combination of Service-Context-Id and Rating-Group AVPs.
		MSISDN	VARCHAR	A number uniquely identifying a subscription in a GSM or a UMTS mobile network.
		Rejected Start	BIGINT	If any value of the received attributes is not acceptable, then the RADIUS server transmits a packet with the Code field set to 3 (Access-Reject). The packet might include one or more Reply-Message Attributes with a text message, which the NAS displays to the user.
		Balance Remaining	BIGINT	The exact balance remaining. The balanceRemaining (Long) field is rounded to a whole number.
		Out Bytes	BIGINT	The number of output bytes as reported by the SCE.
		Tariff Code	VARCHAR	Code linked to subscriber service. Different service options can be applied to services at specified time.
		Balance Used	BIGINT	Amount of balance used currently by subscriber.

Group	Type	Field Name	Field Data Type	Descriptions
		Original Amount	BIGINT	Original amount of subscriber balance before any debits applied.
		Balance Code	VARCHAR	Account Balance Code is the code of the balance template defined in the Policy Server (QNS) reference data that corresponds to the balance (group of quotas) to be credited, debited, provisioned, etc.
		Cell Site Id	VARCHAR	Unique identifier for Cell site.
		RAT Type	VARCHAR	Unique identifier for Radio Access Type.
		Tariff Time Id	VARCHAR	Time of day boundary.
		Reservation_ Amount	BIGINT	Quota reservation amount.
		Refresh Date of Credit	DATETIME (E MMM dd HH:mm:ss time zone)	Date credit is refreshed to pre-configured amount.
		User Domain Info	VARCHAR	This drop-down list lets you assign the subscriber a domain. Domains themselves are created in the Cisco Policy Builder interface.
		Circuit Id	VARCHAR	Information specific to which circuit the request came in on.
		Quota Code	VARCHAR	Quota Code is the code of the quota template defined in the Policy Server (QNS) reference data that corresponds to the quota (actual bucket) to be credited.
		Start Session		Number of Start Sessions.
		Rate	VARCHAR	Rate at which balance is charged. 1x, 3x
		Refresh Day of Month Of Credit	DATETIME (E MMM dd HH:mm:ss time zone)	Date when Balance/Quota refreshes to original amount.
		Total Bytes	BIGINT	Total Bytes based of Radius Accounting packet.

Group	Type	Field Name	Field Data Type	Descriptions
		Device Session Id	VARCHAR	Unique identifier for a single session on a single device.
		Stop Session	BIGINT	This number increments when a session stops for reporting purposes.
		Rated Total Amount	VARCHAR	Total amount with the rate applied.
		Credit Start Date	DATETIME (E MMM dd HH:mm:ss time zone)	Start and End date are when you want the credit to become valid and when you want it to expire. If not specified, the start date defaults to now.
		Framed IP	VARCHAR	This Attribute indicates the address to be configured for the user. It is used in Access-Accept packets or used in an Access-Request packet as a hint by the NAS to the server for the required address.
		Imei Sv	VARCHAR	IMEISV (16 digits) includes information on the origin, model, and serial number of the device.
		IMSI	VARCHAR	International mobile Subscriber Identity is a unique identification associated with all cellular networks. It is stored as a 64 bit field and is sent by the phone to the network.
		Unrated Total Amount	VARCHAR	Total amount with no rate applied.
		User Name	VARCHAR	User name.
		Device Service	VARCHAR	ISG, WLC, CAR
		In Bytes	BIGINT	In Bytes per Accounting Record.
		SGSN Address	VARCHAR	Diameter based network node - can be used for location reporting.
		Traffic Type	VARCHAR	Streaming, Gaming - This is Diameter Dependent
		Policy Server (QNS) Service	VARCHAR	Unique identifier for the Policy Server (QNS) service type.

Group	Type	Field Name	Field Data Type	Descriptions
		User Location Info	VARCHAR	Location code corresponding to one of several possible location identifiers (MAC, SSID, IP subnet).
		Credit End Date	DATETIME (E MMM dd HH:mm:ss time zone)	Date credit expires.
		NAS IP	VARCHAR	IP address for the Network Access Server.
		Sub User Name	VARCHAR	The networkId is a unique string value that identifies the subscriber. This can be any value such as MSISDN, MAC Address, IP Address, IMPI, Email Address, Telephone number, etc.
		Subscriber Realm	VARCHAR	Default Login Realm, Ex. USuM Auth, AAA Proxy.
		Subscriber Status	VARCHAR	Active, Expired
		Service Code	VARCHAR	Their Active Service.
		Rate Plan Code	VARCHAR	Optional Rate Plan Code
Common				
	Session			
		next Evaluation Date	Date (YYYY-MM-DD)	Checks for change of service
		expiration Date	Date (YYYY-MM-DD)	Session expiration

Field Descriptions: SPR Common

Note RADIUS-based policy control is no longer supported in CPS 14.0.0 and later releases as 3GPP Gx Diameter interface has become the industry-standard policy control interface.

Table 3: Field Descriptions: SPR Common

Group	Type	Field Name	Field Data Type	Description
SPR Common				
	Credential	type	String	Credential type specifies the type of unique identifier (username/Password, Network ID).
	Credential	description	String	Description of the unique identifier.
	Credential	networkID	String	The networkId is a unique string value that identifies the subscriber. This can be any value such as MSISDN, MAC Address, IP Address, IMPI, Email Address, Telephone number, etc.
	Credential	expiration Time Remaining	Integer	Defines the time remaining.
	Schedule	State	String	Indicates whether the time/date and cron values evaluate from a positive or negative perspective.
	Schedule	Enabled	Boolean	This code specifies whether or not a service schedule is enabled or disabled.
	Schedule	End time	String	The service's end time.
	Schedule	Start time	String	The service's starttime.
	Schedule	Repeat	Repeat	Handles how the schedule repeats within that timeframe.
	Schedule	End date	Date (YYYY-MM-DD)	The service's end date.
	Schedule	Start date	Date (YYYY-MM-DD)	The service's end date.
	Service	Enabled	Boolean	This code specifies whether or not a service is enabled or disabled.
	Service	Code	String	Service code.

Group	Type	Field Name	Field Data Type	Description
	User	Name	Name	The name of the user the accounting record is being logged for.
	User	Status	String	Represents the type of accounting record and maps to the RADIUS acct-status-type attribute. A value of 1=start, 2=stop, and 3=update.
	User	End date	Date (YYYY-MM-DD)	Use the calendar to specify the start and stop date and time of service to the subscriber.
	User	Role	String	When the subscriber logs in to your subscriber portal, this field determines how much read-write privilege is granted to them.
	User	External ID	String	Occasionally, a subscriber may need to connect with or relate to an external third-party system. This field identifies the subscriber to that external service.
	User	Charging ID	String	A subscriber might have a unique charging ID. Using this, usage by members of a sub-account, or 'children' of the subscriber can be billed to their 'parent'.
	User	startDate	Date (YYYY-MM-DD)	Use the calendar to specify the start and stop date and time of service to the subscriber.

Field Descriptions: RADIUS

Note RADIUS/Wi-Fi configuration is not supported in CPS 14.0.0 and later releases.

Table 4: Field Descriptions: RADIUS

Group	Type	Field Name	Field Data Type	Description
Radius				
	Avp (AvPair)	Name	String	AVP Name

Group	Type	Field Name	Field Data Type	Description
	Avp (AvPair)	Parent	Object	Parent AVP name which this AVP is derived from.
	Avp (AvPair)	Value as String	String	AVP value as string.
	Avp (AvPair)	Attribute ID	Integer	AVP ID
	Avp (AvPair)	Vendor ID	Integer	Value assigned to the vendor of the Radius application. In combination with the Supported-Vendor-Id AVP, this may be used in order to know which vendor specific attributes may be sent to the peer. It is also envisioned that the combination of the Vendor-Id, Product-Name and the Firmware-Revision AVPs may provide very useful debugging information.

Field Descriptions: Diameter

Table 5: Field Descriptions: Diameter

Group	Type	Field Name	Field Data Type	Description
Diameter: GxSce				
		destHost	String	This contains the host the message must be routed to.
		destRealm	String	This contains the realm the message must be routed to.
		appId	Long	All Diameter messages contain an Application Identifier, which is used in the message forwarding process.
		userName	String	The User-Name AVP which contains the User-Name, in a format consistent with the NAI specification.
		appName	String	String representing the application name for the appId.

Group	Type	Field Name	Field Data Type	Description
		imsi	String	International mobile Subscriber Identity is a unique identification associated with all cellular networks. It is stored as a 64 bit field and is sent by the phone to the network.
		msisdn	String	A number uniquely identifying a subscription in a GSM or a UMTS mobile network.
Diameter: GxV9				
		mnc	String	Portion of IMSI containing the Mobile Network Code.
		mcc	String	Portion of IMSI containing the Mobile Country Code.
		rai	String	Routing Area Identity. A routing area is normally a subdivision of a location area.
		ipcanType	Integer	It indicates the type of Connectivity Access Network in which the user is connected.
		ratType	Integer	This is used to identify the radio access technology that is serving the UE.
		destHost	String	This contains the host the message must be routed to.
		destRealm	String	This contains the realm the message must be routed to.
		appId	Long	All Diameter messages contain an Application Identifier, which is used in the message forwarding process.
		mccmnc	String	Combination of MCC and MNC.
		appName	String	String representing the application name for the appId.
		imsi	String	International mobile Subscriber Identity is a unique identification associated with all cellular networks. It is stored as a 64 bit field and is sent by the phone to the network.
		msisdn	String	A number uniquely identifying a subscription in a GSM or a UMTS mobile network.

Group	Type	Field Name	Field Data Type	Description
		framedIp	String	This Attribute indicates the address to be configured for the user. It MAY be used in Access-Accept packets. It MAY be used in an Access-Request packet as a hint by the NAS to the server that it would prefer that address, but the server is not required to honor the hint.
		lac	Integer	To each location area, a unique number called a location area code is assigned.
		userLocationInfo	String	Location code corresponding to one of several possible location identifiers (MAC, SSID, IP subnet).
		sgsnIpAddress	String	IP Address of Diameter based network node - can be used for location reporting
		tgppRatType	Integer	This is used to identify the radio access technology that is serving the UE.
		eventTriggers	Integer	When sent from PCRF to PCEF, this AVP indicates that an event shall cause a re-request of PCC rules. When sent from the PCEF to the PCRF this AVP indicates that the corresponding event has occurred at the gateway.
		outOfCredit	Boolean	True or false option indicating if the subscriber is out of credit.
		qosUpgradeSupported	Boolean	True or false option indicating if Quality of Service upgrade is supported for the subscriber.
		rac	Integer	Routing Area Code is a fixed length code of 1 octet identifying a routing area within a location area.
		sac	Integer	Service Area Code has a length of two octets and is unique within the location Area.
		ci	Integer	Cell identity for GSM or Service Area Code (SAC) at the time of Record Opening Time.
		cgi	String	Cell Global Identity is a standard identifier for mobile phones cells, providing means to geographically locate connected mobile phones.

Group	Type	Field Name	Field Data Type	Description
		ecgi	String	E-UTRAN Cell Global Identifier.
		tai	String	Tracking Area Identifier
		sai	String	Service Area Identifier
		tac	Integer	Type Allocation Code (TAC) is the initial eight-digit portion of the 15-digit IMEI code.
		ect	Integer	Explicit Communication Transfer
		imeisv	String	IMEISV (16 digits) includes information on the origin, model, and serial number of the device.
		bcm	Integer	Bearer control mode applied to the IP-CAN session.
		framedIpv6Prefix	String	The IPv6 prefix allocated for the user.
Diameter: GxTGPP				
		mnc	String	Portion of IMSI containing the Mobile Network Code.
		mcc	String	Portion of IMSI containing the Mobile Country Code.
		rai	String	Routing Area Identity. A routing area is normally a subdivision of a location area.
		ipcanType	Integer	It indicates the type of Connectivity Access Network in which the user is connected.
		ratType	Integer	This is used to identify the radio access technology that is serving the UE.
		destHost	String	This contains the host the message must be routed to.
		destRealm	String	This contains the realm the message must be routed to.
		appId	Long	All Diameter messages contain an Application Identifier, which is used in the message forwarding process.
		mccmnc	String	Combination of MCC and MNC
		appName	String	String representing the application name for the appId.

Group	Type	Field Name	Field Data Type	Description
		imsi	String	International mobile Subscriber Identity is a unique identification associated with all cellular networks. It is stored as a 64 bit field and is sent by the phone to the network.
		msisdn	String	A number uniquely identifying a subscription in a GSM or a UMTS mobile network.
		framedIp	String	This Attribute indicates the address to be configured for the user. It MAY be used in Access-Accept packets. It MAY be used in an Access-Request packet as a hint by the NAS to the server that it would prefer that address, but the server is not required to honor the hint.
		lac	Integer	To each location area, a unique number called a location area code is assigned.
		userLocationInfo	String	Location code corresponding to one of several possible location identifiers (MAC, SSID, IP subnet).
		sgsnIpAddress	String	IP Address of Diameter based network node - can be used for location reporting.
		tgppRatType	Integer	This is used to identify the radio access technology that is serving the UE.
		eventTriggers	Integer	When sent from PCRF to PCEF, this AVP indicates that an event shall cause a re-request of PCC rules. When sent from the PCEF to the PCRF this AVP indicates that the corresponding event has occurred at the gateway.
		outOfCredit	Boolean	True or false option indicating if the subscriber is out of credit.
		qosUpgradeSupported	Boolean	True or false option indicating if Quality of Service upgrade is supported for the subscriber.
		rac	Integer	Routing Area Code is a fixed length code of 1 octet identifying a routing area within a location area.

Field Descriptions: Diameter

Group	Type	Field Name	Field Data Type	Description
		sac	Integer	Service Area Code has a length of two octets and is unique within the location Area.
		ci	Integer	Cell identity for GSM or Service Area Code (SAC) at the time of Record Opening Time.
		cgi	String	Cell Global Identity is a standard identifier for mobile phones cells, providing means to geographically locate connected mobile phones.
		ecgi	String	E-UTRAN Cell Global Identifier
		tai	String	Tracking Area Identifier
		sai	String	Service Area Identifier
		tac	Integer	Type Allocation Code (TAC) is the initial eight-digit portion of the 15-digit IMEI code.
		ect	Integer	Explicit Communication Transfer
		imeisv	String	IMEISV (16 digits) includes information on the origin, model, and serial number of the device.
		bcm	Integer	Bearer control mode applied to the IP-CAN session.
		framedIpv6Prefix	String	The IPv6 prefix allocated for the user.
Diameter: RxTGPP				
		appId	Long	All Diameter messages contain an Application Identifier, which is used in the message forwarding process.
		appName	String	String representing the application name for the appId.
		serviceInfoStatus	Integer	Status of the service being executed.
		specificAction	Integer	Within an initial AA request the AF may use the Specific-Action AVP to request specific actions from the server at the bearer events and to limit the contact to such bearer events where specific action is required.

Group	Type	Field Name	Field Data Type	Description
		serviceURN	String	It indicates whether an AF session is used for emergency traffic.
		isEmergency	Boolean	Indication of Emergency Session
Diameter: GyV8				
		shared Bucket Reservation	String	Reservation amount for quota when more than one subscriber shares the quota.
		destHost	String	This contains the host the message must be routed to.
		destRealm	Long	This contains the realm the message must be routed to.
		appId	String	All Diameter messages contain an Application Identifier, which is used in the message forwarding process.
		userName	String	The User-Name AVP which contains the User-Name, in a format consistent with the NAI specification
		appName	String	String representing the application name for the appId.
		msisdn	String	A number uniquely identifying a subscription in a GSM or a UMTS mobile network.
		userLocationInfo	String	Location code corresponding to one of several possible location identifiers (MAC, SSID, IP subnet).
		sgsnIpAddress	String	IP Address of SGSN, a Diameter based network node - can be used for location reporting.
		ggsnIpAddress	String	IP Address of GGSN, a Diameter based network node.
		apn	String	Access point name is the name of the gateway between the mobile network and another network.
		sessionId	String	Unique identifier of a session.
Diameter: Gy/Ro				

Group	Type	Field Name	Field Data Type	Description
		inOctets	Long	It contains the number of requested, granted, or used octets that can be/have been received from the end user.
		outOctets	Long	It contains the number of requested, granted, or used octets that can be/have been sent to the end user.
		totalTime	Long	This indicates the length of the requested, granted, or used time in seconds.
		cmdCode	Long	The possible values for command-code are credit-control-request and credit-control-answer.
		serviceCode	String	The current active service.
		terminationCause	Integer	The Termination-Cause AVP contains information about the termination reason.
		totalOctets	Long	It contains the total number of requested, granted, or used octets.
		resultCode	Integer	This indicates any error present in the Credit-Control-Request message.
		requestType	integer	This contains the reason for sending the credit-control request message. It MUST be present in all Credit-Control-Request messages.
		requestNumber	Long	Uniquely identifies the request within a session.
		redirectURL	String	The URL to which session is redirected to.
		ratingGroup	String	It contains the charging key. Each quota allocated to a Diameter CC session has a unique Rating Group value.
		sessionId	String	Unique identifier of a session.

Diameter EDR counter List for Gx

- To enable EDR to be written by CPS internally, EDR_ENABLE flag needs to be set as true in `qns.conf` file.

- Required counter that the customer wants in EDR must be configured in policy reporting configuration. The names of different EDR counters are mentioned in the following table:

Table 6: Diameter EDR counter List for Gx

Counter Name	Description
session_id	Session ID of Gx session
command_code	Command code of Message
request_type	Request type of CCR message
apn_original	Called station ID
apn_modified	Called station ID for CPS overrides
framed_ip	Framed IP
Ci	Parsed from user location
Lac	Parsed from user location
rat_type	Radio Access Type
Timezone	Timezone comes in Diameter AVP
eventTrigger	Event trigger value
chargingRuleRemove	Rule which is removed over Gx
chargingRuleAdd	Rule which is installed over Gx
timestamp2	Time of Message in or out from CPS