

End Marker Packets

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Revision History

Note Revision history details are not provided for features introduced before release 21.24.

Revision Details	Release
First introduced	Pre 21.24

Feature Description

In case of eNodeB relocation during handover procedure without SGW-U change, the SGW-C indicates the SGW-U to switch the S1 path(s) by sending a Sx session modification request message with the new F-TEID-u of eNodeB. In addition, provides an indication to the SGW-U to send the End Marker Packet(s) on the old path. On receiving this indication, the SGW-U constructs End Marker Packet(s) and sends it for each S1 GTP-U tunnel toward the source eNodeB, after sending the last PDU on the old path.

End Marker packet is sent per GTP-U TEID during above scenarios.

The Control Plane requests the User Plane to construct and send End Marker packets by sending a Session Modification Request including FAR(s) with the new downstream F-TEID, and with the SNDEM (Send End Marker Packets) flag set.

Information Element	P	Condition/Comment
PFCPSMReq-Flags	C	SNDEM (Send End Marker Packets): This IE shall be present if the CP function modifies the F-TEID of the downstream node in the Outer Header Creation IE and the CP function requests the UP function to construct and send GTP-U End Marker messages toward the old F-TEID of the downstream node.

Limitation

Handoffs in P-GW is not supported for sending End Marker. This behavior is similar to non-CUPS.