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# Path and Service-Route Headers Enhancements

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SBC as IBCF is enhanced in this release with the ability to use "TERM" parameter as user part when creating PATH headers, and use "ORIG" parameter in a created Service-Route header as user part. Additionally, on receiving a ROUTE header with either of these parameters, the SBC will populate the UE Roaming status field of the CDR with the appropriate value (see [CDR Field Descriptions](#) for billing details).

SBC as IBCF behavior:

- SBC as IBCF uses ORIG from route header to identify that it is a roaming user originated call. If the parameter "ORIG" is present, the UE-Roaming-Status is updated with Calling Subscriber and is indicated as a roaming originated call.
- SBC as IBCF uses "TERM" from route header to identify that it is a roaming user terminating call. If the parameter "TERM" is present, the UE-Roaming-Status is updated with Called Subscriber and is indicated as a roaming terminating call.

## Register

When register relay and create path header is enabled, SBC inserts "TERM" as user part of the path header of REGISTER request. When register relay and create service route header is enabled, SBC inserts "ORIG" as user part of service-route header of 200 OK to REGISTER request.

## Invite

When SBC receives INVITE with route headers and if top route points to SBC and the user part of the route to "ORIG" then the UE-Roaming Status is updated with the value as "3". This implies, the call is originated by a roaming user (i.e. Calling subscriber is roaming and has originated the call).

When SBC receives INVITE with route headers and if top route points to SBC and the user part of the route to "TERM" then the UE-Roaming Status is updated with the value as "2". This implies, the call is terminated by a roaming user (i.e. Called subscriber is roaming and has terminated the call).



See [Managing SBC Core Users and Accounts](#) for details of existing user roles.

