Handling Call Drop in Smart Watch and Multi-SIM Devices

Feature Summary and Revision History

Summary Data

Applicable Product(s) or Functional Area	MME
Applicable Platform(s)	• ASR 5500 • VPC-DI • VPC-SI
Default Setting	Enabled - Always on
Related Changes in This Release	Not Applicable
Related Documentation	• *Command Line Interface Reference* • *MME Administration Guide*

Revision History

Revision Details	Release
First introduced.	21.16

Feature Description

When a user switches off the Voice over LTE (VoLTE) call option from data + voice to 4G data only in multi-SIM services and smart watch devices, detach and attach process normally takes place. In this scenario, if the CS Voice Only happens to get enabled, then the call gets dropped off.

In 21.16 and later releases, the MME can avoid call drop-off in multi-SIM and smart watch devices. Irrespective of the availability of Single Radio-Voice Call Continuity (SRVCC) capability in the UE, the MME does not set the IP Multimedia Subsystem Voice Over Packet Switch (IMS VOPS) flag.

Configuring Call Drop Handling in Smart Watch and Multi-SIM Devices

This section describes how to configure this feature.

Enabling Multi-SIM

Use the following configuration to enable Multi-SIM customization feature.

```
configure
   call-control-profile call_control_profile_name
      network-feature-support-ie ims-voice-over-ps supported
srvcc-ue-with-voice-domain-pref
      remove network-feature-support-ie
      end
```

NOTES:

- **srvcc-ue-with-voice-domain-pref**: The MME sets IMS VoPS flag based on the voice-over domain preference and unsets VoPS in the case of CS voice only.

- **remove**: Removes the configuration.

Monitoring and Troubleshooting

This section provides information regarding show commands available to monitor and troubleshoot this feature.

Show Commands and Outputs

```
show call-control-profile full name <profile_name>
```

The output of this command includes the following fields:

- Network Feature Support
- IMS Voice Over PS