



# GMLC Interworking Support

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## Feature Summary and Revision History

### Summary Data

|  |  |
|--|--|
| Applicable Product(s) or Functional Area | MME  |
| Applicable Platform(s)                   | <ul style="list-style-type: none"> <li>• ASR 5500</li> <li>• VPC-DI</li> <li>• VPC-SI</li> </ul>                                       |
| Feature Default                          | Enabled - 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>MME Administration Guide</i></li> </ul> |

### Revision History

| Revision Details  | Release |
|-------------------|---------|
| First introduced. | 21.14   |

## Feature Description

MME supports standard 3GPP defined GMLC interworking for location service. Last known location information is now sent when detach and no paging available state.

When the UE is in detached state or not-reachable state and the CLI is configured for the respective state(s) along with the experimental result code, the last known location info AVP's viz., "Location-Estimate, EUTRAN-Positioning-Data, ECGI and Age-Of-Location-Estimate (if the age is greater than 60 seconds)" will be sent.

## GMLC Interworking Support Configuration

This section documents configuration of GMLC Interworking Support related functionality.

### Including Experimental Result Code in PLA

Use the following configuration to Include experimental result code in PLA.

```
configure
  context context_name
    location-service service_name
      pla ue-state { detached | not-reachable } send
  experimental-result-code experimental_result_code
    no pla ue-state { detached | not-reachable } send
  experimental-result-code
  end
```



#### Important

If there is any connection issue and PLA is not sent between SLG peer and MME, in that case if the UE is in detached or not reachable state and CLI for the experimental result code is configured, MME may not encode the experimental result code and the other AVP's in the PLA response message.

Notes:

- **detached**: Specifies the UE disconnecting.
- **not-reachable**: Specifies no paging response.
- **send experimental-result-code experimental\_result\_code**: Sends the result code value to be encoded in PLA depending on ue-state when PLR is received with GMLC Location type set to "Current/Last Known Location". *experimental\_result\_code* must be an integer from 1000 to 6000.
- **no**: Disables the inclusion of experimental result code in PLA.

## Monitoring and Troubleshooting

The following section describes commands available to monitor GMLC Interworking Support on the MME.

## Show Commands and Outputs

### **show location service**

A new show command output "Experimental-Result-Code in PLA: Enabled(UE state not-reachable:4221, Detached:4223)" is added to indicate Experimental Result Code in PLA is enabled or disabled.

