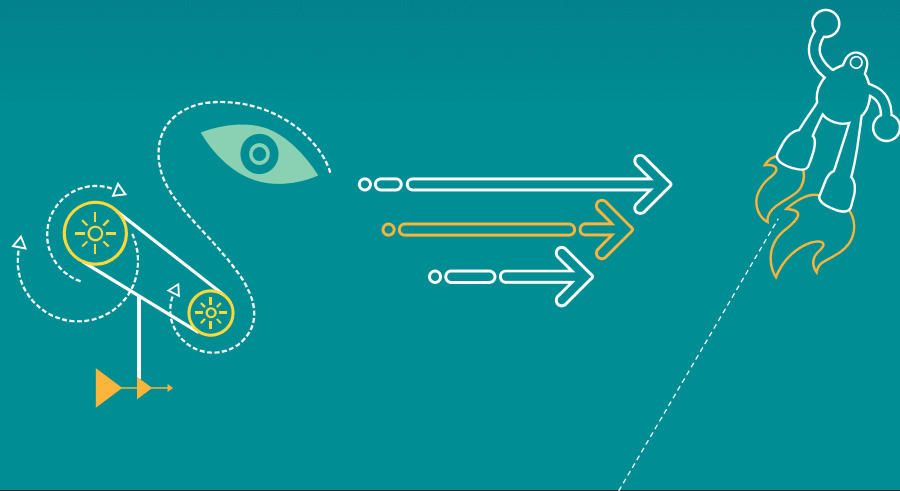

高通协议技术期刊 – 2016/03/31



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Revision History

Revision	Date	Description
A	Mar 2016	Initial release

Note: There is no Rev. I, O, Q, S, X, or Z per Mil. standards.

Contents

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UE CU LTE MT CSFB call fail since network side do not support Rel11

- Issue Description:
- UE is in CU LTE network. MT call. UE CSFB to WCDMA. After UE send PAGING_RESPONSE, NW abruptly release CS connection immediately.
-
- Analysis:
- In PAGING_RESPONSE message, NAS is using Rel-11 IE 'add_update_params_incl = 1 (0x1)' (with CSMT flag set). It is quite possible that NW\Infra in that region, does not yet support this Rel-11 IE, due to which, it was not be able to process\decode it after receiving from UE. And hence abruptly released the connection. In case of MT call, after UE sent PAGING_RESPONSE, NW abruptly released CS connection immediately.

UE CU LTE MT CSFB call fail since network side do not support Rel11

- \\ UE sends Paging response here with 'add_update_params_incl' included and CSMT flag set to 1, following which NW immediately releases connection in W.

03:58:20.311 [8B] 0x713A UMTS UE OTA -- PAGING_RESPONSE

Message Direction = From UE

:

add_update_params_incl = 1 (0x1)

add_update_params

csmo = 0 (0x0) (no additional info)

csmt = 1 (0x1) (cs fallback MT call)

03:58:20.803 [BD] 0x412F WCDMA Signaling Messages -- DL_DCCH RRC Connection Release

rrcConnectionRelease-r3

```
{  
rrc-TransactionIdentifier 0,  
n-308 1,  
releaseCause unspecified
```

rrcConnectionRelease-v860ext

```
{  
redirectionInfo interRATInfo : eutra :  
{  
eutra-TargetFreqInfoList  
{  
{  
dlEUTRACarrierFreq 1650  
}}}
```

UE CU LTE MT CSFB call fail since network side do not support Rel11

- Fix
- we made change from NAS by new CR#988467.
- By CR# 988467 , add support for NV #73785.
"IEI_ADD_UPDATE_PARAMS" will be excluded in paging response if this NV item is set.
- Also this NV item is not SUB specific, this needs to be set on SUB1 whose value will be applicable to all the SUB's.
- By default NV EFS ID 73785 is set to FALSE meaning additional IE will be sent in paging response.
- If NV EFS ID 73785 is configured to TRUE on SUB1 then the same value will be used for both the SUB's in which case we should not see additional IE being sent to network.
- Temporary Fix.
- Since this is Rel11 NAS feature, By setting NAS NV 65538 -
/nv/item_files/modem/lte/lte_3gpp_release_ver" to REL10, UE will not include "IEI_ADD_UPDATE_PARAMS" in paging response.

MCFG/MBN Chinese Video for Self-Study

- Please download below Chinese Video for self-study.
- 80-P4983-1. VD80-P4983-1SC will be available in April.
- VD80-N5576-96SC

- **[background]**
- MBN selection in MCFG is already verified by lots of mass products.
- To support more MBN in one phone, we introduce AP MBN selection.
- But comparing to MCFG MBN solution, AP MBN selection need more time to verify.
-
- **[Next step]**
- Most OEM should use MCFG selection instead of AP MBN selection.
- Only for globe phone, which need 6+ MBN should use AP MBN selection.
- For any problem or question, pls contact us through modem/MCFG case or mail.

CMCC/CU/CT Fast Roaming Feature 80-P5770-1

- 80-P5770-1 (A) ROAMING ENHANCEMENT FOR CMCC/CU/CT
- This document describes roaming enhancement principles and detailed configurations.

Questions?

<https://support.cdmatech.com>

