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# 高通协议技术期刊 – 2016/03/04

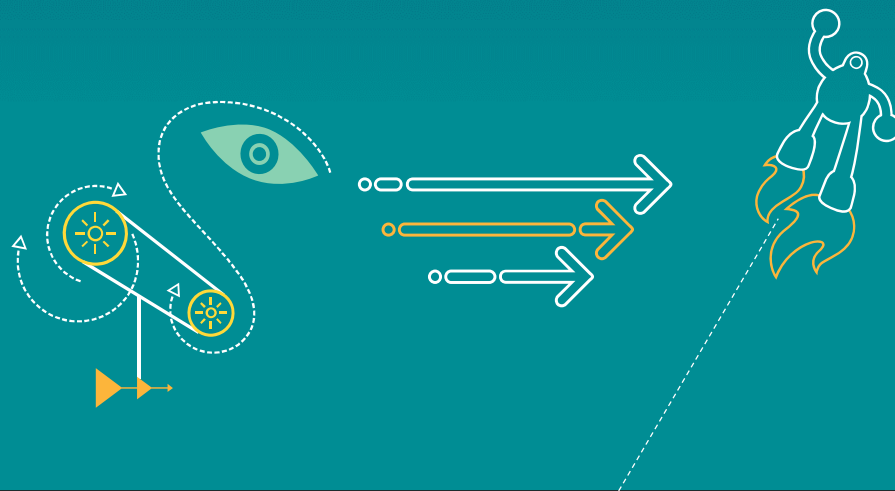
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Qualcomm Technologies, Inc.

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# Revision History

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| 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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- ❑ 《中国移动LTE-TDSCDMA-GSM多模双卡终端技术规范》，类型二终端
- ❑ CMCC/CU/CT Fast Roaming Feature

# 《中国移动LTE-TDSCDMA-GSM多模双卡终端技术规范》，类型二终端

- 中国移动新发布了《中国移动LTE-TDSCDMA-GSM多模双卡终端技术规范》，新的规范中提到了类型二终端，这种终端不再限制CMCC中国国内其他运营商的卡仅工作于GSM only 模式。
- LTE多模双卡终端按照各用户卡能够接入的网络模式分为两种基本类型，两种基本类型差异归纳如下：
  - 类型一：沿用原有LTE多模双卡终端技术要求
    - 中国移动卡自动适配为主卡，中国移动卡为主卡且另一卡为非中国移动卡时不允许更改主副卡设置；
    - 主卡为中国移动USIM卡时，在中国移动大陆地区PLMN下，需具备搜索TD-LTE/TD-SCDMA/GSM网络能力，以及对TD-LTE/TD-SCDMA/GSM相关频点进行测量的能力，同时还需上报TD-LTE/TD-SCDMA/GSM多模能力；在中国移动香港地区PLMN及国际漫游场景下，需具备搜索TD-LTE/LTE FDD/WCDMA/GSM网络能力，以及对TD-LTE/LTE FDD/WCDMA/GSM相关频点进行测量的能力，同时还需上报TD-LTE/LTE FDD/WCDMA/GSM多模能力；
    - 插入两张中国大陆非中国移动USIM卡(或SIM卡)时，只能接入GSM/GPRS/EDGE网络。

# 《中国移动LTE-TDSCDMA-GSM多模双卡终端技术规范》，类型二终端

- 类型二：
  - 中国移动卡自动适配为主卡，中国移动卡为主卡且另一卡为非中国移动卡时不允许更改主副卡设置；
  - 主卡为中国移动USIM卡时，在中国移动大陆地区PLMN下，需具备搜索TD-LTE/LTE FDD/TD-SCDMA/GSM网络能力，以及对TD-LTE/LTE FDD/TD-SCDMA/GSM相关频点进行测量的能力，同时还需上报TD-LTE/LTE FDD/TD-SCDMA/GSM多模能力；但是，主卡为中国移动USIM卡时在中国移动大陆地区的PLMN下开机搜索和脱网重搜等流程中，仍需优先搜索TD-LTE/TD-SCDMA/GSM三模；
  - 插入两张中国大陆非中国移动USIM卡(或SIM卡)时，应按照插入用户卡所属运营商信息工作于LTE/WCDMA/GSM模式。

# 《中国移动LTE-TDSCDMA-GSM多模双卡终端技术规范》，类型二终端

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- 对于此需求，高通相关的FeatureRequest是FR33932，将首先会在如下平台，于今年下半年实施。
- [MSM8998.LA.1.0](#)
- ❑ [MSM8953.LA.1.1](#)

# CMCC/CU/CT Fast Roaming Feature

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- To let UE roam faster while roaming, Fast Roaming Feature is developed for China Carrier CMCC/CU/CT.
- FR 22007 was implemented only for CMCC and NV “73556” will store the preferred PLMN. For details, please refer to 80-NU917-1\_B\_Enhanced\_Sys\_Select\_International\_Roaming.
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- FR 26435 was implemented to cater dual sim CT cards and will use only EHPLMN, SIM OPLMN, SIM UPLMN to prioritize PLMNs. It is not using Preferred PLMN list from NV 73556. That is to say, no need to configure PLMN list manually.



# CMCC/CU/CT Fast Roaming Feature

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- FR 31600 was implemented to extend preferred PLMN list for all customers by providing total 6 preferred PLMNs including NV 73556. In a way not only CMCC, but other carriers also can configure preferred PLMNs in the NV.
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- It was implemented in such a way that, there are 6 new NV's created each can hold a PLMN. Let's call it as PLMN\_NV. And 5 new preferred lists created and we already have one preferred list nv created for CMCC. So in total we have 6 lists and let's call it as PLMN\_LIST\_NV
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- When subscription gets available NAS will check which PLMN\_NV is part of EHPLMN from SIM and we will take corresponding PLMN\_LIST\_NV as preferred list.
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- New NVs created:
- PLMN\_NV : 73793 – 73798
- PLMN\_LIST\_NV: 73556 and 73788 - 73792

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## Questions?

<https://support.cdmatech.com>

