

Product Change Notification

PCN No.	Quectel_PCN_2022042905	Date of Issue (DD/MM/YYYY)	29/04/2022
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1. General Information

Type of Change	UE Software Configuration for T-Mobile 3G Sunset Change
Description of Change	<p>The solution of changing Ue_Usage_Setting from “Voice Centric” to “Data Centric” can avoid No Service entirely after T-Mobile 3G sunset, and will not affect the use of UE while 3G is still on.</p> <ul style="list-style-type: none"> It is preferred to change Ue_Usage_Setting through AT command: AT+QNVFW="/nv/item_files/modem/mmode/ue_usage_setting",01 from the customer side. <p>For devices supporting modules of both data and voice:</p> <ul style="list-style-type: none"> If customers need E911 service on T-Mobile network, they CANNOT change T-Mobile “Ue_Usage_Setting” from “Voice Centric” to “Data Centric”. In this case, there will be the risk of No Service, and customer can contact T-Mobile for further support. If customer does not use E911 service on T-Mobile network, Quectel suggest customer change T-Mobile “Ue_Usage_Setting” from “Voice Centric” to “Data Centric” to avoid No Service issue after T-Mobile 3G sunset. <p>For devices supporting modules of Data-only but using data and voice:</p> <p>Quectel suggests that customer change T-Mobile UE usage setting from “Voice Centric” to “Data Centric” to avoid No Service issue after T-Mobile 3G sunset.</p> <p>For devices supporting module of Data-only:</p> <p>Customers needn’t make any setting changes because there is no impact after T-Mobile 3G sunset.</p>
Reason for Change	<p>T-Mobile will have its 3G network sunset on July 1st, 2022. For EC21&EC25&EG21-G&EG25-G(Mini PCIe)&EG91&EG95 series. If the Ue_Usage_Setting is "Voice Centric" and the user device fails to get VoLTE service after T-Mobile's 3G sunset, the device network will be out of service by then. There are 3 scenarios of failing to get VoLTE service, as shown below:</p> <ol style="list-style-type: none"> Customer disables IMS feature by AT command. (U)SIM does not subscribe the VoLTE service. Network fails or rejects IMS PDN bring up.

2. Products Affected

Model	Ordering Code	Firmware Version	T-Mobile UE_Usage_Value	Data-only or Data+Voice
EC21-A	EC21AFA-512-STD	EC21AFAR05A07M4G	Voice centric	Data+Voice

EC21-A MINIPCIE	EC21AFA-512-STD2	EC21AFAR05A06M4G	Voice centric	Data+Voice
	EC21AFA-512-STD6	EC21AGBR05A05M4G	Voice centric	Data+Voice
	EC21AFA-512-SPY	EC21AFAR05A05M4G	Voice centric	Data+Voice
	EC21AFA-MINIPCIE	EC21AFAR05A04M4G	Voice centric	Data+Voice
	EC21AGB-512-SGAS	EC21AFAR75A03M4G	Voice centric	Data+Voice
	EC21AFC-512-STD EC21AFC-MINIPCIE	EC21AFAR75A07M4G	Voice centric	Data+Voice
EC25-A EC25-A MINIPCIE	EC25AFA-512-STD EC25AFA-MINIPCIE EC25AFC-512-STD EC25AFC-MINIPCIE EC25AGB-512-SGAS EC25AGB-MINIPCIE	EC25AFAR75A08M4G	Voice centric	Data+Voice
		EC25AFAR75A07M4G	Voice centric	Data+Voice
		EC25AFAR75A03M4G	Voice centric	Data+Voice
		EC25AFAR05A07M4G	Voice centric	Data+Voice
		EC25AFAR05A06M4G	Voice centric	Data+Voice
		EC25AFAR05A05M4G	Voice centric	Data+Voice
		EC25AFAR05A04M4G	Voice centric	Data+Voice
		EC25AFAR05A01M4G	Voice centric	Data+Voice
		EC25AGBR05A06M4G EC25AGBR05A05M4G	Voice centric Voice centric	Data+Voice Data+Voice
EC25-AF EC25-AF MINIPCIE	EC25AFFA-512-SGAS	EC25AFFAR07A14M4G	Voice centric	Data+Voice
	EC25AFFA-512-MAG	EC25AFFAR07A13M4G	Voice centric	Data+Voice
	EC25AFFAQ-512-SGAS	EC25AFFAR07A09M4G	Voice centric	Data+Voice
	EC25AFFA-MINIPCIE EC25AFFA-MINIPCIE-S EC25AFFA-MINIPCIE-MAG EC25AFFA-MINIPCIE-C	EC25AFFAR07A08M4G	Voice centric	Data+Voice
	EC25AFFAQ-MINIPCIE			
	EC25AFFD-512-SGAS	EC25AFFDR07A10M4G	Data centric	Data only
	EC25AFFD-512-CP	EC25AFFDR07A09M4G	Data centric	Data only
	EC25AFFD-512-EMBMS			
	EC25AFFD-512-ACER	EC25AFFDR07A08M4G	Data centric	Data only

	EC25AFFD-512-VIA EC25AFFDQ-512-SGAS EC25AFFDQ-512-CP EC25AFFD-MINIPCIE EC25AFFD-MINIPCIE-CP EC25AFFD-MINIPCIE-EMBMS EC25AFFD-MINIPCIE-ACER EC25AFFDQ-MINIPCIE EC25AFFDQ-MINIPCIE-CP	EC25AFFDR07A07M4G	Data centric	Data only
EC25-AFX EC25-AFX MINIPCIE	EC25AFXGA-128-SGAS EC25AFXGQ-128-SGAS	EC25AFXGAR07A04M1G	Voice centric	Data+Voice
	EC25AFXGA-128-SW EC25AFXGA-MINIPCIE EC25AFXGQ-MINIPCIE	EC25AFXGAR07A03M1G	Voice centric	Data+Voice
EC25-AFXD EC25-AFXD MINIPCIE	EC25AFXDGA-128-SGAS EC25AFXDGQ-128-SGAS	EC25AFXDGAR07A02M1G	Data centric	Data only
	EC25AFXDGA-MINIPCIE EC25AFXDGQ-MINIPCIE	EC25AFXDGAR07A01M1G	Data centric	Data only
EG21-G EG21-G MINIPCIE	EG21GGB-128-SGNS EG21GGB-MINIPCIE EG21GGB-MINIPCIE-S	EG21GGBR07A11M1G	Voice centric	Data+Voice
EG25-G EG25-G MINIPCIE	EG25GGB-256-SGNS	EG25GGBR07A08M2G	Voice centric	Data+Voice
	EG25GGB-256-CP	EG25GGBR07A07M2G	Voice centric	Data+Voice
	EG25GGB-MINIPCIE			
	EG25GGB-MINIPCIE-S	EG25GGCR07A02M1G	Voice centric	Data+Voice
	EG25GGB-MINIPCIE-CP			
	EG25GGB-MINIPCIE-EUH			
	EG25GGC-128-SGNS EG25GGC-MINIPCIE	EG25GGDR07A07M2G	Data centric	Data only
EG25GGD-256-SGNS				

	EG25GGD-MINIPCIE	EG25GGDR07A08M2G	Data centric	Data only
EG91-NA	EG91NAFB-512-SGNS EG91NAFR-512-SGNS	EG91NAFBR05A07M4G	Voice centric	Data+Voice
	EG91NAFB-512-VVT EG91NAFR-512-VVT	EG91NAFBR05A05M4G	Voice centric	Data+Voice
	EG91NAFR-512-VVT2 EG91NAFR-512-SGNS6	EG91NAFBR05A04M4G	Voice centric	Data+Voice
EG91-NAX	EG91NAXGA-128-SGNS EG91NAXGR-128-SGNS EG91NAXGR-128-SGNS6 EG91NAXGA-128-VVT EG91NAXGR-128-VVT EG91NAXGA-128-JCI	EG91NAXGAR07A03M1G	Voice centric	Data+Voice
EG91-NAXD	EG91NAXDGA-128-SGNS EG91NAXDGR-128-SGNS EG91NAXDGR-128-SGNS6	EG91NAXDGAR07A01M1G	Data centric	Data only
EG91-NS	EG91NSGA-512-SGNS	EG91NSGAR05A04M4G	Voice centric	Data+Voice
		EG91NSGAR05A05M4G	Voice centric	Data+Voice
EG95-NA	EG95NAFB-512-SGNS	EG95NAFBR05A04M4G	Voice centric	Data+Voice
	EG95NAFB-512-EM	EG95NAFBR05A06M4G	Voice centric	Data+Voice
EG95-NAX	EG95NAXGA-128-SGNS EG95NAXGR-128-SGNS EG95NAXGA-128-LYTX EG95NAXGR-128-LYTX	EG95NAXGAR07A03M1G	Voice centric	Data+Voice
EG95-NAXD	EG95NAXDGA-128-SGNS EG95NAXDGR-128-SGNS EG95NAXDGR-128-LYTX	EG95NAXDGAR07A01M1G	Data centric	Data only

3. Customer Impact and Recommended Action

1. The ordering codes (OC) remains unchanged.
2. Customer can take the above measures based on the concrete application scenario of your devices

4. Customer Acknowledgement of Receipt

Please acknowledge receipt of this change notification by replying to info_PCN@quectel.com.

If no feedback is received within 30 days, Quectel may deem that this solution has been tacitly accepted and user devices will change Ue_Usage_Setting to Data Centric using the AT command as described above except user device using E911 service.