

The commands used to query an extended error and report the cause of the last failed operation, such as:

- the failure to release a call;
- the failure to set up a call (both mobile originated or terminated);
- the failure to modify a call by using supplementary services;
- the failure to activate, register, query, deactivate or deregister a supplementary service;
- the failure to attach GPRS or the failure to activate a PDP context;
- the failure to detach GPRS or the failure to deactivate a PDP context.

The release cause **<text>** is a text to describe the cause information given by the network.

AT+QCFG Extended Configuration Settings

The command is used to query and configure various settings of UE.

AT+QCFG="gprsattach" GPRS Attach Mode Configuration

The command specifies the mode to attach GPRS when UE is powered on. This configuration is valid only after the module is restarted.

AT+QCFG="nwscanmode" Network Search Mode Configuration

The command specifies the network mode to be searched. If **<effect>** is omitted, the configuration will take effect immediately.

AT+QCFG="nwscanseq" Network Searching Sequence Configuration

The command specifies the sequence of searching network. This configuration is valid only after the module is restarted.

AT+QCFG="roamservice" Roam Service Configuration

The command is used to enable or disable the roam service. If **<effect>** is omitted, the configuration will take effect immediately.

AT+QCFG="servicedomain" Service Domain Configuration

The command specifies the registered service domain. If **<effect>** is omitted, the configuration will take effect immediately.

AT+QCFG="band" Band Configuration

The command specifies the preferred frequency bands to be searched of UE. If **<effect>** is omitted, the configuration will take effect immediately.

AT+QCFG="hsdpacat" HSDPA Category Configuration

The command specifies the HSDPA category. This configuration is valid only after the module is restarted.

AT+QCFG="hsupacat" HSUPA Category Configuration

The command specifies the HSUPA category. This configuration is valid only after the module is restarted.

AT+QCFG="rrc" RRC Release Version Configuration

The command specifies the RRC release version. This configuration is valid only after the module is restarted.

AT+QCFG="sgsn" UE SGSN Release Version Configuration

The command specifies the UE SGSN release version. This configuration is valid only after the module is restarted.

AT+QCFG="msc" UE MSC Release Version Configuration

The command specifies the UE MSC release version. This configuration is valid only after the module is restarted.

AT+QCFG="PDP/duplicatechk" Establish Multi PDNs with the Same APN

The command allows/refuses establishing multi PDNs with the same APN profile. The configuration will take effect immediately.

AT+QCFG="urc/ri/ring" RI Behavior When RING URC is Presented

AT+QCFG="urc/ri/ring", **AT+QCFG="urc/ri/smsincoming"** and **AT+QCFG="urc/ri/other"** control the RI (ring indicator) behavior when a URC is reported. These configurations will be stored into NV automatically. The ring indicator is active low. **AT+QCFG="urc/ri/ring"** specifies the RI behavior when URC **RING** is presented to indicate an incoming call.

The sum of parameter **<activeduration>** and **<inactiveduration>** determines the interval time of "RING" indications when a call is coming.

AT+QCFG="urc/ri/smsincoming" RI Behavior When Incoming SMSURCs are Presented

The command specifies the RI (ring indicator) behavior when related incoming message URCs are presented. Related incoming message URCs list: **+CMTI,+CMT,+CDS** and **+CBM**.

AT+QCFG="urc/ri/other" RI Behavior When Other URCs are Presented

The command specifies the RI (ring indicator) behavior when other URCs are presented.

AT+QCFG="risignaltype" RI Signal Output Carrier

The command specifies the RI (ring indicator) signal output carrier.

AT+QCFG="urc/delay" Delay URC Indication

The command can delay the output of URC indication until ring indicator pulse ends.

AT+QCFG="urc/cache" URC Cache Function

AT+QCFG="tone/incoming" Ring tone Function

AT+QINDCFG URC Indication Configuration

The command is used to control URC indication.