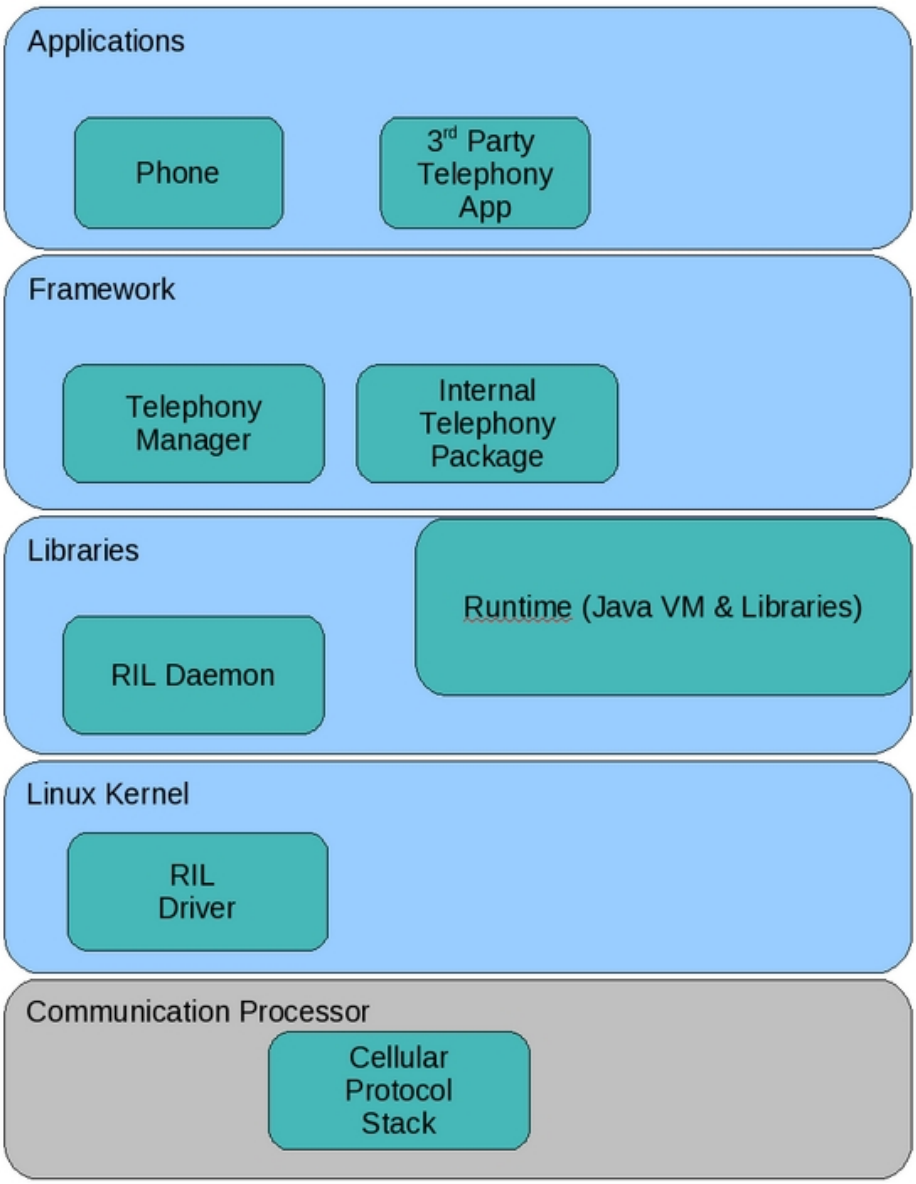
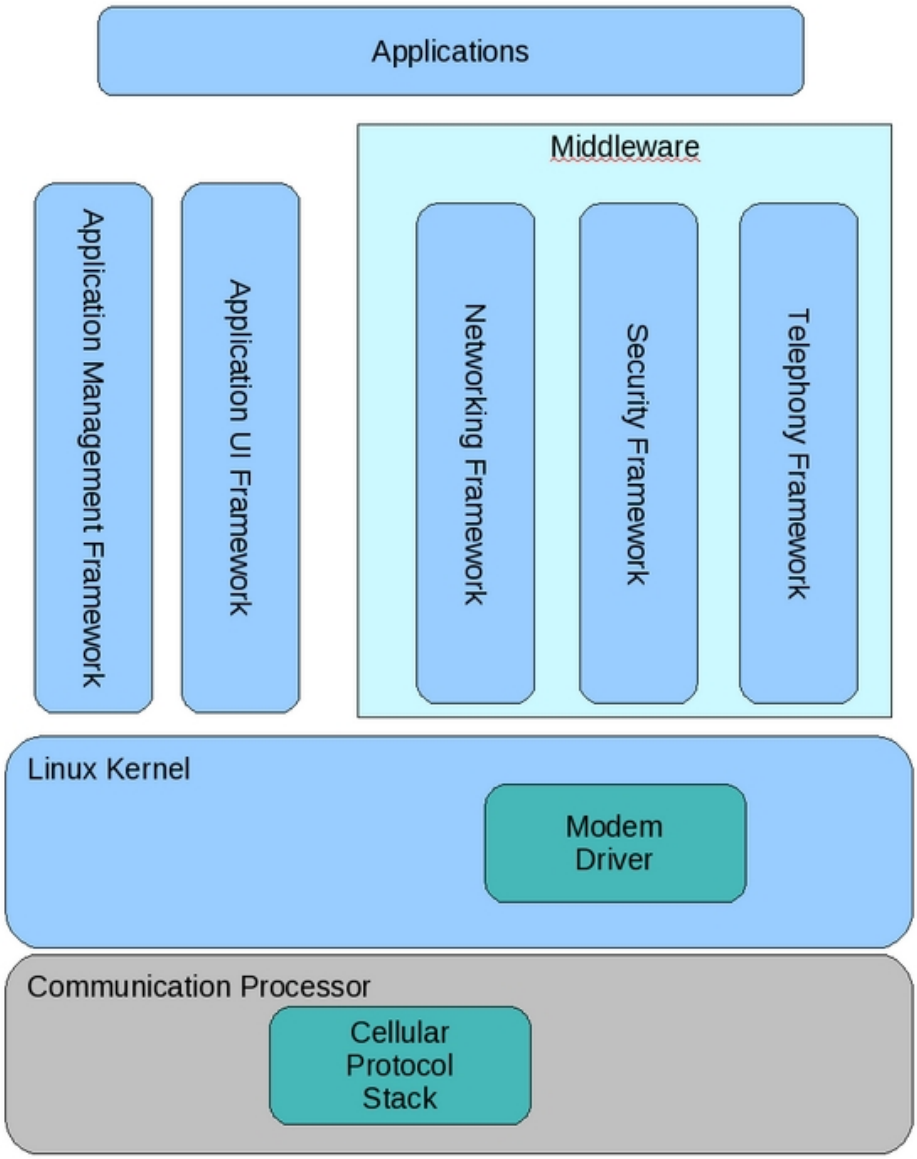
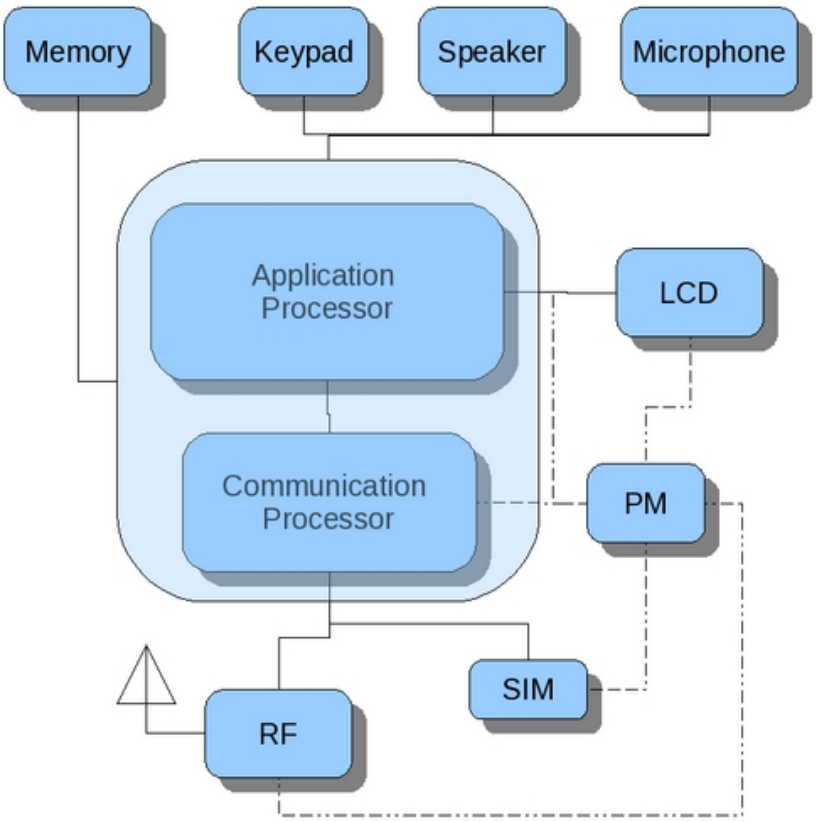

Applications
Phone
3rd Party Telephony App
Framework
Telephony Manager
Internal Telephony Package
Libraries
Runtime (Java VM & Libraries)
RIL Daemon
Linux Kernel
RIL Driver
Communication Processor
Cellular Protocol Stack


Applications
Middleware
Application Management Framework
Application UI Framework
Networking Framework
Security Framework
Telephony Framework
Linux Kernel
Modem Driver
Communication Processor
Cellular Protocol Stack


Memory
Keypad
Speaker
Microphone
Application Processor
LCD
Communication Processor
PM
SIM
RF

New Message Indication +CNMI

Description:

This command selects the procedure for message reception from the network.

Values:

<mode>: controls the processing of unsolicited result codes

Note: Only <mode>=2 is supported.

Any other value for <mode> (0,1 or 3) is accepted (return code will be *OK*), but the processing of unsolicited result codes will be the same as with <mode>=2.

0: Buffer unsolicited result codes in the TA. If TA result code buffer is full, indications can be buffered in some other place, or the oldest indications may be discarded and replaced with the new received indications

1: Discard indication and reject new received message unsolicited result codes when TA-TE link is reserved. Otherwise forward them directly to the TE

2: Buffer unsolicited result codes in the TA when TA-TE link is reserved and flush them to the TE after reservation. Otherwise forward them directly to the TE

3: Forward unsolicited result codes directly to the TE. TA-TE link specific inband used to embed result codes and data when TA is in on-line data mode

<mt>: sets the result code indication routing for SMS-DELIVERs. Default is 0.

0: No SMS-DELIVER indications are routed.

1: SMS-DELIVERs are routed using unsolicited code: +CMTI: "SM",<index>

2: SMS-DELIVERs (except class 2 messages) are routed using unsolicited code: +CMT: [<alpha>,] <length> <CR> <LF> <pdu> (PDU mode) or +CMT: <oa>,[<alpha>,] <scts> [,<tooa>, <fo>, <pid>, <dcs>, <sca>, <tosca>, <length>] <CR><LF><data> (text mode)

3: Class 3 SMS-DELIVERs are routed directly using code in <mt>=2 ; Message of other classes result in indication <mt>=1

<bm>: set the rules for storing received CBMs (Cell Broadcast Message) types depend on its coding scheme, the setting of Select CBM Types (+CSCB command) and <bm>. Default is 0.

0: No CBM indications are routed to the TE. The CBMs are stored.

1: The CBM is stored and an indication of the memory location is routed to the customer application using unsolicited result code: +CBMI: "BM", <index>

2: New CBMs are routed directly to the TE using unsolicited result code. +CBM: <length><CR><LF><pdu> (PDU mode) or +CBM:<sn>,<mid>,<dcs>,<page>,<pages>(Text mode) <CR><LF> <data>

3: Class 3 CBMs: as <bm>=2. Other classes CBMs: as <bm>=1.

<ds> for SMS-STATUS-REPORTs. Default is 0.

0: No SMS-STATUS-REPORTs are routed.

1: SMS-STATUS-REPORTs are routed using unsolicited code: +CDS: <length> <CR> <LF> <pdu> (PDU mode) or +CDS: <fo>,<mr>, [<ra>] , [<tora>], <scts>,<dt>,<st> (Text mode)

2: SMS-STATUS-REPORTs are stored and routed using the unsolicited result code: +CDSI: "SR",<index>

<bfr> Default is 0.

0: TA buffer of unsolicited result codes defined within this command is flushed to the TE when <mode> 1...3 is entered (OK response shall be given before flushing the codes)

1: TA buffer of unsolicited result codes defined within this command is cleared when <mode> 1...3 is entered.

Syntax: AT+CNMI=<mode>,<mt>,<bm>,<ds>,<bfr>

Command	Possible responses
AT+CNMI=2,1,0,0,0 *Note: <mt>=1*	OK
	AT+CMTI: "SM",1 *Note: message received*
AT+CNMI=2,2,0,0,0 *Note: <mt>=2*	OK
	+CMT: "123456","98/10/01,12:30 00+00",129,4,32,240, "15379",129,5<CR><LF> *Note: message received*
AT+CNMI=2,0,0,1,0 *Note: <ds>=1*	OK
AT+CMGS="+33146290800"<CR> Message to send <ctrl-Z> *Note: Send a message in text mode*	+CMGS: 7 OK *Note: Successful transmission*
	+CDS: 2, 116, "+33146290800", 145, "98/10/01,12:30:07+04", "98/10/01 12:30:08+04", 0 *Note: message was correctly delivered*

VOIP protocol stack