**Android 无线通讯模块设计原理**

1 界面

dialpad1.xml

定义了“0~9,\*，#”数字键的布局；

dialpad\_additional\_buttons\_dial1.xml

定义了“视频”“拨号”“删除”等键的布局；

dialpad\_list\_fragment.xml

定义拨号盘界面的布局

2 拨号流程：

>DialpadFragment: onClick (R.id.dialButton)

>DialpadFragment: dialButtonPressed

>DialpadFragment: newDialNumberIntent (Intent.ACTION\_CALL\_PRIVILEGED)

>OutgoingCallBroadcaster: Start multisimdialer activity

>MsmsDialerActivity: startOutgoingCall

>OutgoingCallBroadcaster: onActivityResult

>OutgoingCallBroadcaster: processIntent (CALL\_PRIVILEGED->CALL)

>OutgoingCallBroadcaster: sendOrderedBroadcast (ACTION\_NEW\_OUTGOING\_CALL)

>OutgoingCallBroadcaster: startSipCallOptionHandler

>SipCallOptionHandler: (Intent.ACTION\_CALL,InCallScreen)

>SipCallOptionHandler: setResultAndFinish

>CallController: placeCall(finally OK to initiate the outgoing call)

>CallController: placeCallInternal(续)

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.( communicate with ril，truly make call)

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>PhoneApp: setBeginningCall(enable the proximity sensor)

>PhoneApp: displayCallScreen(just update call screen if already visible)

->(续)CallController: placeCallInternal

>PhoneUtils.placeCall

>CallManager: dial

> GSMPhone: dial

> GsmCallTracker: dial

> SprdRIL: dial

>RIL: RILSender. handleMessage(EVENT\_SEND)

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> RIL: RILReceiver. run(**rild**)