CS业务主叫

UE	Node-B	SRNC	CN

1、RRC(CCCH/RACH/PRACH)：RRC Connection Req

分配RNTI并选择L2/L1参数

2、NBAP：RL Setup Req

开始RX

3、NBAP：RL Setup Resp

4、ALCAP：Establish Req

5、ALCAP：Establish Resp

6、DCH-FP：DL Synchronization

7、DCH-FP：UL Synchronization

开始TX

8、RRC(CCCH/FACH/SCCPCH)：RRC Connection Setup

9、NBAP：RL Restore Ind

10、RRC(DCCH/DCH/PDCH)：RRC Connection Setup Complete

11、RRC(DCCH/DCH/PDCH)：Initial Direct Transfer(CM Service Req)

12、RANAP：Initial UE Message

13、RANAP：Direct Transfer

14、RRC(DCCH/DCH/PDCH)：DL Direct Transfer(User Authentication Req)

15、RRC(DCCH/DCH/PDCH)：DL Direct Transfer(User Authentication Resp)

16、RANAP：Direct Transfer

17、RANAP：Security Mode Command

18、RRC(DCCH/DCH/PDCH)：Security Mode Command

19、RRC(DCCH/DCH/PDCH)：Security Mode Complete

20、RANAP：Security Mode Complete

21、RRC(DCCH/DCH/PDCH)：UL Direct Transfer(Setup)

22、RANAP：Direct Transfer

23、RANAP：Direct Transfer

24、RRC(DCCH/DCH/PDCH)：DL Direct Transfer(Call Proceeding)

25、RANAP：RAB Assignment Req

选择L2/L1和Iu数据承载参数

26、ALCAP：Establishment Req

27、ALCAP：Establishment Resp

28、NBAP：RL Reconfiguration Req

29、NBAP：RL Reconfiguration Resp

30、ALCAP：Establish Req

31、ALCAP：Establish Resp

32、DCH-FP：DL Synchronization

33、DCH-FP：UL Synchronization

34、RRC(DCCH/DCH/PDCH)：RB Setup Req

35、RRC(DCCH/DCH/PDCH)：RB Setup Complete

36、RANAP：RAB Assignment Resp

37、RANAP：Direct Transfer

38、RRC(DCCH/DCH/PDCH)：DL Direct Message(Alerting)

39、RANAP：Direct Transfer

40、RRC(DCCH/DCH/PDCH)：DL Direct Message(Connect)

41、RRC(DCCH/DCH/PDCH)：DL Direct Message(Connect ACK)

42、RANAP：Direct Transfer

通话开始

UE .... Node-B .... SRNC .... CN

1、RANAP：Paging

2、RRC(PCCH/PCH/S-CCPCH)：Paging Type 1

3、RRC(CCCH/RACH/PRACH)：RRC Connection Req

分配RNTI并选
择L2/L1参数

4、NBAP：RL Setup Req

开始RX

5、NBAP：RL Setup Resp

6、ALCAP：Establish Req

7、ALCAP：Establish Resp

8、DCH-FP：DL Synchronization

9、DCH-FP：UL Synchronization

开始TX

10、RRC(CCCH/FACH/SCCPCH)：RRC Connection Setup

11、NBAP：RL Restore Ind

12、RRC(DCCH/DCH/PDCH)：RRC Connection Setup Complete

13、RRC(DCCH/DCH/PDCH)：Initial Direct Transfer(Paging Resp)

14、RANAP：Initial UE Message

15、RANAP：Direct Transfer

16、RRC(DCCH/DCH/PDCH)：DL Direct Transfer(User Authentication Req)

17、RRC(DCCH/DCH/PDCH)：DL Direct Transfer(User Authentication Resp)

18、RANAP：Direct Transfer

19、RANAP：Security Mode Command

20、RRC(DCCH/DCH/PDCH)：Security Mode Command

21、RRC(DCCH/DCH/PDCH)：Security Mode Complete

22、RANAP：Security Mode Complete

23、RANAP：Direct Transfer

24、RRC(DCCH/DCH/PDCH)：UL Direct Transfer(Setup)

25、RRC(DCCH/DCH/PDCH)：DL Direct Transfer(Call Confirm)

26、RANAP：Direct Transfer

27、RANAP：RAB Assignment Req

选择L2/L1和Iu
数据承载参数

28、ALCAP：Establishment Req

29、ALCAP：Establishment Resp

30、NBAP：RL Reconfiguration Req

31、NBAP：RL Reconfiguration Resp

32、ALCAP：Establish Req

33、ALCAP：Establish Resp

34、DCH-FP：DL Synchronization

35、DCH-FP：UL Synchronization

36、RRC(DCCH/DCH/PDCH)：RB Setup Req

37、RRC(DCCH/DCH/PDCH)：RB Setup Complete

38、RANAP：RAB Assignment Resp

39、RRC(DCCH/DCH/PDCH)：DL Direct Message(Alerting)

40、RANAP：Direct Transfer

41、RRC(DCCH/DCH/PDCH)：DL Direct Message(Connect)

42、RANAP：Direct Transfer

43、RANAP：Direct Transfer

44、RRC(DCCH/DCH/PDCH)：DL Direct Message(Connect ACK)

通话开始