

3.0基站产品测试 - 错误 #3968

重建流程中cu没收到RRC Reestablishment Complete消息

2025-08-28 14:10 - 孙浩

状态:	已关闭	开始日期:	2025-08-28
优先级:	普通	计划完成日期:	
指派给:	孙浩	% 完成:	0%
类别:		预期时间:	0.00 小时
目标版本:		耗时:	0.00 小时
问题归属:	CU, DU	目标解决问题版本:	Rel_3.1.2
发现问题版本:	Rel_3.1.2		

描述
【问题描述】重建流程中cu没收到RRC Reestablishment Complete消息，还需du继续定位,另外正常xn与ng切换流程也有问题；

no.	Time	Source	Source port	Destination	Destination port	Protocol	C-RNTI	Info	DU-UE	CU-UE
1244	11:19:12.790665	192.168.62.241	38423	192.168.62.242	38422	XnAP		HandoverRequest, RRC Reconfiguration[Malformed Packet]		
1245	11:19:12.809326	192.168.62.242	38472	192.168.62.242	38473	F1AP		UEContextSetupRequest, RRC Reconfiguration		
1246	11:19:12.818536	192.168.62.242	38473	192.168.62.242	38472	F1AP	17017	UEContextSetupResponse	0	0
1247	11:19:12.826113	192.168.62.242	38422	192.168.62.241	38423	XnAP		HandoverRequestAcknowledge, RRC Reconfiguration		
1248	11:19:12.838821	192.168.62.241	38423	192.168.62.242	38422	XnAP		SNStatusTransfer		
1251	11:19:12.968591	192.168.62.242	38473	192.168.62.242	38472	F1AP/NR RRC		ULRRCCMessageTransfer, RRC Reconfiguration Complete MAC=0x7a77eda3	0	0
1253	11:19:12.969438	192.168.62.242	38412	192.168.62.10	38412	NGAP		PathSwitchRequest		
1254	11:19:12.971845	192.168.62.10	38412	192.168.62.242	38412	NGAP		PathSwitchRequestAcknowledge		
1255	11:19:12.972722	192.168.62.242	38422	192.168.62.241	38423	XnAP		UEContextRelease		
1256	11:19:12.973491	192.168.62.242	38472	192.168.62.242	38473	F1AP		UEContextModificationRequest	0	0
1257	11:19:12.974049	192.168.62.242	38473	192.168.62.242	38472	F1AP		UEContextModificationResponse	0	0
1258	11:19:12.974955	192.168.62.242	38472	192.168.62.242	38473	F1AP/NR RRC		DLRRCCMessageTransfer, RRC Reconfiguration MAC=0xfde7a659	0	0
1259	11:19:13.075328	192.168.62.10	38412	192.168.62.242	38412	NGAP		PathSwitchRequestAcknowledge		
1267	11:19:14.849941	192.168.62.242	38473	192.168.62.242	38472	F1AP/NR RRC	17018	InitialULRRCCMessageTransfer, RRC Reestablishment Request	1	
1268	11:19:14.851386	192.168.62.242	38472	192.168.62.242	38473	F1AP/NR RRC		DLRRCCMessageTransfer, RRC Reestablishment MAC=0x1a6d900b	1,0	0
1269	11:19:14.853070	192.168.62.242	38473	192.168.62.242	38472	F1AP		UEContextModificationRequired	1	0
1270	11:19:14.853448	192.168.62.242	38472	192.168.62.242	38473	F1AP		UEContextModificationConfirm	1	0
1271	11:19:14.971045	192.168.62.242	38412	192.168.62.10	38412	NGAP		UEContextReleaseRequest		
1272	11:19:14.973040	192.168.62.10	38412	192.168.62.242	38412	NGAP		UEContextReleaseCommand		
1273	11:19:14.974026	192.168.62.242	38472	192.168.62.242	38473	F1AP		UEContextReleaseCommand	1	0
1275	11:19:14.974163	192.168.62.242	38473	192.168.62.242	38472	F1AP		UEContextReleaseComplete	1	0
1276	11:19:14.981688	192.168.62.242	38412	192.168.62.10	38412	NGAP		UEContextReleaseComplete		

相关的问题:

关联到 2.0基站产品化测试 - 错误 #1010: reestablish 消息，终端未反馈会reestabli...	已解决	2022-12-30
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历史记录

#1 - 2025-08-28 14:10 - 孙浩

- 关联到 错误#1010: reestablish 消息，终端未反馈会reestablish complete消息；已添加

#2 - 2025-09-01 11:36 - 惠帅帅

- 状态从 新建 变更为 转测试

- 指派给从 惠帅帅 变更为 孙浩

XN切换异常原因:通过原则下发重配消息至终端时RLC_SRB配置信元reestablish字段未置位。

重建立失败原因:切换异常导致目标测UE实例需要释放，此时终端侧上来的重建立消息找不到实例处理，因而重建立会失败。

最新版本已解决上述问题。

#3 - 2025-09-01 16:42 - 孙浩

- 文件 重建立测试xn切换功能验证.png 已添加

- 文件 重建立流程抓包截图.png 已添加

- 文件 重建立打桩测试日志-0828.rar 已添加

- 状态从 转测试 变更为 已解决

基于Rel_3.1.3_Pre1T3版本，替换du、cu包，目前可以xn与ng切换，打桩构造重建立流程完整，问题解决；

242-1606.pcap

文件(F) 编辑(E) 视图(V) 跳转(G) 捕获(C) 分析(A) 统计(S) 电话(V) 无线(W) 工具(T) 帮助(H)

flap || ngap || sdap || nr-rrc || xnap

No.	Time	Source	Source port	Destination	Destination	Protocol	C-RNTI	Info	DU-UE	CU-UE	UE-NGAP	measId
1119	16:11:51.722417	192.168.62.241	38423	192.168.62.242	38422	XNAP		HandoverRequest, RRC Reconfiguration[Malformed Packet]				1,2,3
1120	16:11:51.731657	192.168.62.242	38472	192.168.62.242	38473	F1AP		UEContextSetupRequest, RRC Reconfiguration				1,2,3
1121	16:11:51.734791	192.168.62.242	38473	192.168.62.242	38472	F1AP	17017	UEContextSetupResponse	0	0		
1122	16:11:51.742792	192.168.62.242	38423	192.168.62.241	38423	XNAP		HandoverRequestAcknowledge, RRC Reconfiguration				
1123	16:11:51.755255	192.168.62.241	38423	192.168.62.242	38422	XNAP		SNStatusTransfer				
1124	16:11:51.831890	192.168.62.242	38473	192.168.62.242	38472	F1AP/NR RRC		ULRRcMessageTransfer, RRC Reconfiguration Complete MAC=0x032635c9	0	0		
1126	16:11:51.832443	192.168.62.242	38412	192.168.62.10	38412	NGAP		PathSwitchRequest			0	
1127	16:11:51.835060	192.168.62.10	38412	192.168.62.242	38412	NGAP		PathSwitchRequestAcknowledge			0	
1128	16:11:51.835662	192.168.62.242	38423	192.168.62.241	38423	XNAP		UEContextRelease				
1129	16:11:51.836444	192.168.62.242	38472	192.168.62.242	38473	F1AP		UEContextModificationRequest	0	0		
1130	16:11:51.836792	192.168.62.242	38473	192.168.62.242	38472	F1AP		UEContextModificationResponse	0	0		
1131	16:11:51.837344	192.168.62.242	38472	192.168.62.242	38473	F1AP/NR RRC		DLRRcMessageTransfer, RRC Reconfiguration Complete MAC=0x0496113f	0	0		1,2,3
1132	16:11:51.846347	192.168.62.242	38473	192.168.62.242	38472	F1AP/NR RRC		ULRRcMessageTransfer, RRC Reconfiguration Complete MAC=0x6a3298e8	0	0		
1133	16:11:51.894868	192.168.62.242	38473	192.168.62.242	38472	F1AP/NR RRC		ULRRcMessageTransfer, Measurement Report MAC=0x1835a420	0	0		2
1135	16:11:51.938240	192.168.62.10	38412	192.168.62.242	38412	NGAP		PathSwitchRequestAcknowledge			0	

241-1432.pcap

文件(F) 编辑(E) 视图(V) 跳转(G) 捕获(C) 分析(A) 统计(S) 电话(V) 无线(W) 工具(T) 帮助(H)

flap || ngap || sdap || nr-rrc || xnap

xn切换

重建立

重建立

#4 - 2025-09-03 15:52 - 孙浩

- 文件 重建立流程抓包截图.png 已添加
- 文件 3.1.3pre1T4版本重建立打桩验证最终版-0903.rar 已添加
- 状态从 已解决 变更为 已关闭

在Rel_3.1.3_Pre1T4版本，通过打桩构造重建立，抓包查看重建立流程完整，基本功能（峰值，切换等）业务正常，问题关闭。

241-1432.pcap

文件(F) 编辑(E) 视图(V) 跳转(G) 捕获(C) 分析(A) 统计(S) 电话(Y) 无线(W) 工具(T) 帮助(H)

flap || ngap || sdp || nr-rrc || xnap

No.	Time	Source	Source port	Destination	Destination	Protocol	C-RNTI	Info	DU-UE	CU-UE	UE-NGAP	measId
6390	14:50:13.037446	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC	17019	InitialULRRCTransfer, RRC Reestablishment Request	83			
6391	14:50:13.038885	192.168.62.241	38472	192.168.62.241	38473	F1AP/NR RRC		DLRRCTransfer, RRC Reestablishment MAC=0xbf2da15a	83,82			
6392	14:50:13.039906	192.168.62.241	38473	192.168.62.241	38472	F1AP		UEContextModificationRequired	83			
6393	14:50:13.040202	192.168.62.241	38472	192.168.62.241	38473	F1AP		UEContextModificationConfirm	83			
6394	14:50:13.096558	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, RRC Reestablishment Complete MAC=0x5f4574ca	83			
6395	14:50:13.097091	192.168.62.241	38472	192.168.62.241	38473	F1AP/NR RRC		DLRRCTransfer, RRC Reconfiguration MAC=0xf9fdded8	83			
6396	14:50:13.144072	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, RRC Reconfiguration Complete MAC=0x34fde60f	83			
6397	14:50:13.144109	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0x7cf96230	83			2
6401	14:50:14.1164039	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0x4830c00f	83			2
6409	14:50:15.104021	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0xeeef380ef	83			2
6415	14:50:16.203987	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0xbd9c6a3b	83			2
6421	14:50:17.223977	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0xe9a2858f	83			2
6425	14:50:18.243962	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0x0f0121ef	83			2
6433	14:50:19.263955	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0x0f07b2e3	83			2
6439	14:50:20.283927	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0x079b0451	83			2
6445	14:50:21.303918	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0x48535762	83			2
6451	14:50:22.323907	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0x6b00b61	83			2
6457	14:50:23.343891	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0x9b9d7c72	83			2
6463	14:50:24.363878	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0x63b23a01	83			2
6471	14:50:25.383864	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0x0b7d3407	83			2
6475	14:50:26.403852	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0x22e0732	83			2
6481	14:50:27.423834	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0x27969a08	83			2
6489	14:50:28.443822	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0xae4959a	83			2
6495	14:50:29.463838	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0xc3b65d2e	83			2
6503	14:50:30.483787	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0x43b840b9	83			2
6509	14:50:31.503786	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0x09981209	83			2
6515	14:50:32.523767	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0xaf36990f	83			2
6523	14:50:33.543779	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0xc27b2e0	83			2
6529	14:50:34.563739	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0x6ee2df60	83			2
6533	14:50:35.583730	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0x474bee35	83			2
6539	14:50:36.603707	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0x095e05df	83			2
6547	14:50:37.623702	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0xd547c45	83			2
6553	14:50:38.317107	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC	17022	InitialULRRCTransfer, RRC Reestablishment Request	84			
6554	14:50:38.318376	192.168.62.241	38472	192.168.62.241	38473	F1AP/NR RRC		DLRRCTransfer, RRC Reestablishment MAC=0xbcbdafce	84,83			
6555	14:50:38.319373	192.168.62.241	38473	192.168.62.241	38472	F1AP		UEContextModificationRequired	84			
6556	14:50:38.319696	192.168.62.241	38472	192.168.62.241	38473	F1AP		UEContextModificationConfirm	84			
6557	14:50:38.376216	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, RRC Reestablishment Complete MAC=0x7851cbfd	84			
6558	14:50:38.376727	192.168.62.241	38472	192.168.62.241	38473	F1AP/NR RRC		ULRRCTransfer, RRC Reconfiguration MAC=0xbf19a4b	84			
6559	14:50:38.423696	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, RRC Reconfiguration Complete MAC=0x54c868ea	84			
6560	14:50:38.423734	192.168.62.241	38473	192.168.62.241	38472	F1AP/NR RRC		ULRRCTransfer, Measurement Report MAC=0xf93d8568	84			2

重建立

重建立

文件

重建立流程异常截图.jpg	443 KB	2025-08-28	孙浩
重建立功能验证-切换流程异常重建立流程异常1.rar	12.4 MB	2025-08-28	孙浩
重建立功能验证-切换流程异常重建立流程异常2.rar	25.2 MB	2025-08-28	孙浩
重建立测试xn切换功能验证.png	67.5 KB	2025-09-01	孙浩
重建立流程抓包截图.png	48.9 KB	2025-09-01	孙浩
重建立打桩测试日志-0828.rar	86 MB	2025-09-01	孙浩
重建立流程抓包截图.png	155 KB	2025-09-03	孙浩
3.1.3pre1T4版本重建立打桩验证最终版-0903.rar	74.5 MB	2025-09-03	孙浩