

2.0基站产品化测试 - 错误 #1567

XN切换，HandoverRequest信令ie id-GUAMI整个信元赋值错误

2024-02-20 09:52 - 席振斌

状态:	已关闭	开始日期:	2024-02-20
优先级:	普通	计划完成日期:	
指派给:		% 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	FPGA板卡类型:	
发现问题版本:	Rel_2.1.14P	CPU类型:	
目标解决问题版本:	Rel_2.1.14P		

描述

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

File Edit View Window Help

Source Port Destination Port Info

HandoverRequest[Malformed Packet]

Target-CGI: nr (0)
plmn-id: 00F110
Mobile Country Code (MCC): Unknown (1)
Mobile Network Code (MNC): Unknown (01)
nr-CI: 0x0000000000
Item 3: id-GUAMI
ProtocolField
id: id-GUAMI (15)
criticality: reject (0)
value
GUAMI
plmn-ID: 652785
Mobile Country Code (MCC): Unassigned (567)
Mobile Network Code (MNC): Unknown (258)
amf-region-id: 02 [bit length 8, 0000 0010 decimal value 2]
amf-set-id: 00c0 [bit length 10, 6 LSB pad bits, 0000 0000 11... decimal value 3]
amf-pointer: 04 [bit length 6, 2 LSB pad bits, 0000 01... decimal value 1]
Item 4: id-UEContextInfoForRequest
ProtocolField
id: id-UEContextInfoForRequest (03)
id: id-TargetCellGlobalID (78)
criticality: reject (0)
value
Target-CGI: nr (0)
nr
plmn-id: 00F110
Mobile Country Code (MCC): Unknown (1)
Mobile Network Code (MNC): Unknown (01)
nr-CI: 0x0000000000
Item 3: id-GUAMI
ProtocolField
id: id-GUAMI (15)
criticality: reject (0)
value
GUAMI
plmn-ID: 000000
Mobile Country Code (MCC): Unknown (0)
Mobile Network Code (MNC): Unknown (000)
amf-region-id: 00 [bit length 8, 0000 0000 decimal value 0]
amf-set-id: 0000 [bit length 10, 6 LSB pad bits, 0000 0000 00... decimal value 0]
amf-pointer: 00 [bit length 6, 2 LSB pad bits, 0000 00... decimal value 0]
Item 4: id-UEContextInfoForRequest
ProtocolField

0000 00000000 00000000 00000001 00000000 00000110 11010100 01111100
0000 01000100 11010110 10111011 11110101 00000000 00000100 00000000
0000 01000101 00000010 00000000 11100000 10101010 10110001 01000000
0000 01000000 10000100 11011100 00110011 11000000 10101000 00000010
0000 11000000 10101000 00000010 10101010 10010110 00010110 10101010
0000 01110110 11000100 10101111 11100011 11001100 11001010 01100000
0000 00000000 00000011 00000000 11000000 00000011 01111001 11001110
0000 00000000 00000000 00000001 00000000 00000000 00000000 00111101
0000 00000000 00000000 00000000 00000001 00000000 00000000 00000010
0000 00000000 01001001 00000000 00000010 00000000 01101110 00000000
0000 00000000 00000010 00000000 01000000 00000000 01001110 00000000
0000 00000000 00000000 11110001 00010000 00000000 00000000 00000000
0000 00000000 00000000 00011111 00000000 00000111 00000000 01101010
0000 00001100 01010111 00000000 00000000 00000000 00101111 00000011
0000 11000000 10101000 00000010 10110000 00000110 00000000 00000110
0000 00000000 00000000 00000000 00000000 00000000 10011110 00010011
0000 10000100 01100010 10100100 01011001 11111110 11000001 00100011
0000 10101110 00001111 00100010 00111000 11100111 10000010 01100011
0000 11000101 00011000 11010111 11111111 10101001 01011100 10010110
0000 10100001 11010001 10101000 00100100 00101010 00000100 01101011
0000 00110101 10010100 00000000 01101111 00110101 10010100 00000000
0000 00001000 00110111 10010110 11001010 00000000 00110101 10010110

历史记录

- #1 - 2024-02-20 09:54 - 席振斌
- 状态从新建变更为进行中
- #2 - 2024-02-20 10:03 - 席振斌
- 主题从XN切换，目标基站ie id-GUAMI中的信元plmn-ID赋值错误 变更为XN切换，目标基站HandoverRequest信令ie id-GUAMI中的信元plmn-ID赋值错误
- #3 - 2024-02-20 10:26 - 席振斌
- 主题从XN切换，目标基站HandoverRequest信令ie id-GUAMI中的信元plmn-ID赋值错误 变更为XN切换，HandoverRequest信令ie id-GUAMI中的信元plmn-ID赋值错误
- #4 - 2024-02-21 11:22 - 席振斌
- 主题从XN切换，HandoverRequest信令ie id-GUAMI中的信元plmn-ID赋值错误 变更为XN切换，HandoverRequest信令ie id-GUAMI整个信元赋值错误
- #5 - 2024-02-21 11:29 - 席振斌

#6 - 2024-02-27 09:21 - 席振斌
- 指派给从席振斌变更为孙浩

#7 - 2024-02-27 09:25 - 席振斌
- 状态从进行中变更为转测试

更换振斌提供cu版本后，plmn-id赋值都一致，问题已验证通过：

2025-05-07

0301-40-1048.pcap

文件(F) 编辑(E) 视图(V) 翻译(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 p	Destination	Destination	Protocol	C-RNTI	Info	DU-UE	CU-UE	UE-NGAP	5G-TMSI	MSIN	PDU-ID	fiveQI
1182	10:52:50.738001	192.168.62.40	38423	192.168.62.70	38422	XnAP		SMSstatusTransfer							
1183	10:52:50.824541	192.168.62.70	38422	192.168.62.40	38423	XnAP		UEContextRelease							
1184	10:52:50.825359	192.168.62.40	38472	192.168.62.40	38473	FlAP		UEContextReleaseCommand		1	1				
1185	10:52:50.825589	192.168.62.40	38473	192.168.62.40	38472	FlAP		UEContextReleaseComplete		1	1				
1186	10:52:50.828731	192.168.62.70	38500	192.168.62.40	38422	XnAP		HandoverRequest(Nalfomed Packet)							
1187	10:52:50.886812	192.168.62.40	38472	192.168.62.40	38473	FlAP		UEContextSetupRequest			2			5,5,9,9	
1188	10:52:50.894125	192.168.62.40	38473	192.168.62.40	38472	FlAP	17019	UEContextSetupResponse		2	2				
1189	10:52:50.913188	192.168.62.40	38422	192.168.62.70	38500	XnAP		HandoverRequestAcknowledge, RRC Reconfiguration							
1190	10:52:50.931402	192.168.62.70	38500	192.168.62.40	38422	XnAP		SMSstatusTransfer							
1193	10:52:50.990456	192.168.62.40	38473	192.168.62.40	38472	FlAP/NR RRC		ULRRMessageTransfer, RRC Reconfiguration Complete MAC=0x4f9c39a6	2	2					
1195	10:52:50.990836	192.168.62.40	38412	192.168.62.10	38412	NGAP		PathSwitchRequest				2		1,2	
1196	10:52:50.994903	192.168.62.10	38412	192.168.62.40	38412	NGAP		PathSwitchRequestAcknowledge			2			1,2	
1197	10:52:50.995174	192.168.62.40	38422	192.168.62.70	38500	XnAP		UEContextRelease							
1199	10:52:51.052255	192.168.62.40	38473	192.168.62.40	38472	FlAP/NR RRC		ULRRMessageTransfer, Measurement Report MAC=0x5b1dfff9	2	2					
1200	10:52:51.052297	192.168.62.40	38473	192.168.62.40	38472	FlAP/NR RRC		ULRRMessageTransfer, Measurement Report MAC=0x5b1ddeb9	2	2					
1202	10:52:51.054277	192.168.62.40	38423	192.168.62.70	38422	XnAP		HandoverRequest(Nalfomed Packet)							

criticality: reject (0)
value
Cause: radioNetwork (0)
radioNetwork: handover-desirable-for-radio-reasons (1)
Item 2: id-targetCellGlobalID
ProtocolIE-Field
id: id-targetCellGlobalID (78)
criticality: reject (0)
value
Target-CGI: nr (0)
plan-id: 00f110
Mobile Country Code (MCC): Unknown (001)
Mobile Network Code (MNC): Unknown (01)
0000 0000 0000 0000 0000 0000 0000 0000 = nr-CI: 0x00000000
Item 3: id-quami
ProtocolIE-Field
id: id-quami (15)
criticality: reject (0)
value
quami
plan-id: 00f110
Mobile Country Code (MCC): Unknown (001)
Mobile Network Code (MNC): Unknown (01)
amf-region-id: ca [bit length 8, 1100 1010 decimal value 202]
amf-set-id: fe00 [bit length 10, 6 L5B pad bits, 1111 1110 00.. decimal value 1016]
amf-pointer: 00 [bit length 6, 2 L5B pad bits, 0000 00.. decimal value 0]
Item 4: id-UEContextInfoHORequest
ProtocolIE-Field
id: id-UEContextInfoHORequest (83)
criticality: reject (0)
value
UEContextInfoHORequest
ng-c-ue-reference: 373662156375
cp-TNL-info-source: endpointIPAddress (0)
endpointIPAddress: 00000000 [bit length 32, 0000 0000 0000 0000 0000 0000 0000 0000 decimal value 0]

0000 00000000 00000000 00000001 00000000 00000110 11010100 01111100
0000 01000100 11010101 00110011 11011101 00000000 00000000 00000000
0010 01000101 00000010 00000000 11011100 00000000 01010011 01000000
0010 01000000 10000100 00111011 01111010 11000000 10101000 00111110
00001110 10001010 00001010 00001110 01001000 10001010 00001010
0020 00010001 11011100 10110001 10010100 01010101 10010000 10110101
00000000 00000011 00000000 11001011 01000100 00001011 01110100
0030 00000000 00000011 00000000 11001011 11100111 01000100 00001011
0010 00000000 00000000 00000000 00000101 00000000 00000000 00111101
0040 00000000 00000000 00000000 10000000 10111010 00000000 00000110
00000000 01001001 00000000 00000010 00000000 00000011 00000000
0050 00000000 00000010 00000000 01000000 00000000 01001110 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000
0060 00000000 00000000 00001111 00000000 00000011 00000000 00000000
00010000 11010101 11111110 00000000 00000000 01010011 00000000 01111011
0070 00000100 01010111 00000000 00000000 00000110 01010111 00000111
00000000 00000000 00000000 00000000 00000110 00000011 00000000
0080 00000000 00000000 00000000 00000000 00000000 00010001 00010110
01111101 11010101 00110001 00101001 11100011 10100101 00110101 10001111
0090 11100110 01000010 10100010 10110111 10000110 10001111 11001000
00000000 00000001 11100000 11000000 10101000 01000100 00001010 00000000
00a0 10111000 01010011 11111101 01001000 11101101 01100100 10000000
00b0 00000000 00000001 00000100 00000001 01000000 00100000 00000011
00000000 00000001 11100000 10101000 01010000 00001010 00000000
00c0 00000000 00000010 10001111 00000000 00000000 00101000 00000000
00000101 00010000 00000000 00101000 00001000 00000010 01000000
00d0 01000100 00000011 00000010 00000001 00000001 11110000 10101000
01000100 00001010 00000000 00000000 00000010 10001001 00000000
00e0 01001000 00000000 00000000 00001001 00010000 00000000 01001000
00001010 00000000 00000000 00000000 00000000 00000000 00000000
00f0 00001010 00000000 00000000 00000000 01011000 01000000 00001100
00000000 00000000 00000000 00000000 00000000 00000000 00000000
00ff 00000000 00000000 00000000 00000000

Frame (252 bytes) Bitstring tvb (5 bytes) Bitstring tvb (1 byte) Bitstring tvb (2 bytes)

#9 - 2024-07-23 16:49 - 王旭初

- 状态从 已解决 变更为 已关闭

文件

20240220-093503.jpg	537 KB	2024-02-20	席振斌
20240220-095026_22.jpg	528 KB	2024-02-20	席振斌
抓包截图1.png	128 KB	2024-03-01	孙浩
抓包截图2.png	146 KB	2024-03-01	孙浩
0301-40-1048.pcap	308 KB	2024-03-01	孙浩
0301-70-1047.pcap	356 KB	2024-03-01	孙浩