OsmoHNBGW - Bug #5837

osmo-iuh: UE-REGISTER-REQ with uE_Identity type IMEI not implemented.

12/20/2022 03:43 PM - pespin

<table>
<thead>
<tr>
<th>Status:</th>
<th>New</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td></td>
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<tr>
<td>Category:</td>
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<td>Target version:</td>
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<td>Spec Reference:</td>
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**Start date:** 12/20/2022

**Due date:**

**% Done:** 0%

**Description**

Implementation missing in hnbgw_rx_ue_register_req (HNBAP_Ue_Identity_PR_iMEI, type=4).

If it is received, we should lookup context_ue based on known IMEIs.

It was seen in a osmo-hnbgw in a lab setup against a real hNodeb, MSC, etc.

received 30 bytes from client
Decoding message HNBAP_UERegisterRequestIEs (hnbpap_decoder.c:357)

UE-REGISTER-REQ with unsupported UE Id type 4

From wireshark:

UTRAN Iuh interface HNBAP signalling
HNBAP-PDU: initiatingMessage (0)

  initiatingMessage
    procedureCode: id-UEReister (3)
    criticality: reject (0)
    value
      UERegisterRequest
      protocolIEs: 3 items
      Item 0: id-UE-Identity
        ProtocolIE-Field
        id: id-UE-Identity (5)
        criticality: reject (0)
        value
        UE-Identity: iMEI (3)
        iMEI: 3522241501421000 [bit length 60, 4 LSB pad bits]
      Item 1: id-Registration-Cause
        ProtocolIE-Field
        id: id-Registration-Cause (12)
        criticality: ignore (1)
        value
        Registration-Cause: normal (1)
      Item 2: id-UE-Capabilities
        ProtocolIE-Field
        id: id-UE-Capabilities (13)
        criticality: reject (0)
        value
        UE-Capabilities
        access-stratum-release-indicator: rel-6 (3)
        csg-capability: not-csg-capable (1)

Hexstream for the message: 0003001a00000300050009303522241501421000000c400140000d00010d