**3GPP TSG-RAN3 Meeting #107 electronic *R3-20xxxx***

**Elbonia 24 Feb – 6 Mar 2020**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **36.455** | **CR** | **0xxx** | **rev** | **-** | **Current version:** | **15.2.1** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network | **x** | Core Network | **x** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Addition of broadcast of barometric pressure and TBS assistance data | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | AT&T, FirstNet, NetNav, Polaris Wireless | | | | | | | | | |
| ***Source to TSG:*** | R3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI16, LCS\_LTE\_acc\_enh-Core | | | | |  | ***Date:*** | | | 2020-02-24 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **C** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) Rel-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Broadcast of network assistance data for various wide area positioning methods have been supported for some time to reduce network load, latency and energy consumption. This CR proposes to add support for the broadcast of TBS (Terrestrial Beacon System) and barometric pressure assistance data leveraging the existing framework. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Support for broadcast of TBS and barometric pressure assistance data is added with the addition of new positioning SIB type enumeration values (posSibTypeU-V and posSibTypeX-Y).  This CR is a merger of two separate CRs for broadcast of TBS and broadcast of barometric pressure assistance data: R3-200278 and R3-200235, respectively. The underlying CRs to R3-200235 and R3-200278 were agreed as baseline CRs at RAN3#105bis and RAN3#106. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | No support for broadcast of TBS and barometric pressure assistance data which would be inconsistent with other wide area positioning methods. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 9.2.23, 9.3.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **x** |  | Other core specifications | | | | TS 36.331 CR 4026 and CR 4134, TS 37.355 CR 0001 and CR 0249 | | |
| ***affected:*** | |  | **x** | Test specifications | | | |  | | |
| ***(show related CRs)*** | |  | **x** | O&M Specifications | | | |  | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

**START OF CHANGES**

### 9.2.23 Positioning SIB Type

This parameter defines a specific positioning SIB, as defined in TS 36.355 [13].

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IE/Group Name | Presence | Range | IE type and reference | Semantics description |
| Positioning SIB Type | M |  | ENUMERATED ( posSibType1-1,  posSibType1-2,  posSibType1-3,  posSibType1-4,  posSibType1-5,  posSibType1-6,  posSibType1-7,  posSibType2-1,  posSibType2-2,  posSibType2-3,  posSibType2-4,  posSibType2-5,  posSibType2-6,  posSibType2-7,  posSibType2-8,  posSibType2-9,  posSibType2-10,  posSibType2-11,  posSibType2-12,  posSibType2-13,  posSibType2-14,  posSibType2-15,  posSibType2-16,  posSibType2-17,  posSibType2-18,  posSibType2-19,  posSibType3-1,  ...,  posSibTypeU-V,  posSibTypeX-Y) |  |

**NEXT CHANGE**

### 9.3.3 Elementary Procedure Definitions

-- ASN1START

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

--

-- Elementary Procedure definitions

--

**UNCHANGED PARTS OMITED**

PosSIB-Type ::= ENUMERATED {

posSibType1-1,

posSibType1-2,

posSibType1-3,

posSibType1-4,

posSibType1-5,

posSibType1-6,

posSibType1-7,

posSibType2-1,

posSibType2-2,

posSibType2-3,

posSibType2-4,

posSibType2-5,

posSibType2-6,

posSibType2-7,

posSibType2-8,

posSibType2-9,

posSibType2-10,

posSibType2-11,

posSibType2-12,

posSibType2-13,

posSibType2-14,

posSibType2-15,

posSibType2-16,

posSibType2-17,

posSibType2-18,

posSibType2-19,

posSibType3-1,

...,

posSibTypeU-V,

posSibTypeX-Y

}

**UNCHANGED PARTS OMITED**

**END OF CHANGES**