**3GPP TSG-CT WG4 Meeting #99e****C4-20xxxx**

**E-Meeting, 18nd – 28th August 2020 was C4-204235**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.572** | **CR** | **0073** | **rev** | **1** | **Current version:** | **16.3.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

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|  | | | | | | | | | | |
| ***Title:*** | Adding missing navigation satellite systems for positioning | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | CATT | | | | | | | | | |
| ***Source to TSG:*** | CT4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5G\_eLCS | | | | |  | ***Date:*** | | | 2020-06-28 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***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:*** | | In TS 37.355 v16.1.0, some additioanl global navigation satellite system are specified such as BDS and NavIC. BDS indicates the Chinese BeiDou Navigation Satellite System, and NavIC means Navigation with Indian Constellation. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Add BDS and NavIC in the GNSS enumeration data type representing the different GNSS systems. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The corresponding GNSS systems are missing in stage 3. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.1.6.3.8, A.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | | This CR will introduce backward compatible corrections in the OpenAPI specification file of Nlmf\_Location API. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\*\*\*\*\*Start of change \*\*\*\*\*

##### 6.1.6.3.8 Enumeration: GnssId

The enumeration GnssId represents the different GNSS systems.

Table 6.1.6.3.8-1: Enumeration GnssId

|  |  |
| --- | --- |
| Enumeration value | Description |
| "GPS" | GPS |
| "GALILEO" | Galileo |
| "SBAS" | Space Based Augmentation Systems |
| "MODERNIZED\_GPS" | Modernized GPS |
| "QZSS" | Quasi Zenith Satellite System |
| "GLONASS" | Global Navigation Satellite System |
| "BDS" | BeiDou Navigation Satellite System |
| "NAVIC" | Navigation with Indian Constellation |

\*\*\*\*\*Next of change \*\*\*\*\*

## A.2 Nlmf\_Location API

\*\*\*\*\*\*skip for clarfication\*\*\*\*\*\*

GnssId:

anyOf:

- type: string

enum:

- GPS

- GALILEO

- SBAS

- MODERNIZED\_GPS

- QZSS

- GLONASS

- BDS

- NAVIC

- type: string

\*\*\*\*\*\*skip for clarfication\*\*\*\*\*\*

\*\*\*\*\*End of changes \*\*\*\*\*