3GPP TSG-RAN WG3 Meeting #128 R3-253945

Malta, MT, 19 – 23 May, 2025

Title: (TP to BLCR for TS 38.413) Further discussion of MBS broadcast service

Agenda Item: 14.3

Source: Huawei, Huawei , Xioami, NEC, CATT, Samsung, ZTE, LGE

Document for: other

# 1 Introduction

Update the MBS service area information by referring to the areaCoordinates as defined in TS 38.331 and update the corresponding semantics descriptions

# Annex1 Text Proposal for TS 38.413 against R3-252525

9.3.1.209 MBS Service Area Information

This IE contains MBS service area information.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **IE/Group Name** | **Presence** | **Range** | **IE type and reference** | **Semantics description** |
| **MBS Service Area Cell List** |  | *0..<maxnoofCellsforMBS>* |  |  |
| >NR CGI | M |  | 9.3.1.7 |  |
| **MBS Service Area TAI List** |  | *0..<maxnoofTAIforMBS>* |  |  |
| >TAI | M |  | 9.3.3.11 |  |
| **MBS Intended Service Area List** |  | *0..<maxnoofIntendedAreasforMBS>* |  |  |
| >Intended Service Area Coordinates | M |  | 9.3.1.x |  |

#### 9.3.1.x Intended Service Area Coordinates

This IE provides information on the Intended Service Area Coordinates for MBS Broadcast Service.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IE/Group Name | Presence | Range | IE type and reference | Semantics description |
| Intended Service Area Coordinates | M |  | OCTET STRING | Includes the *areaCoordinates* contained in the *IntendedServiceAreaInfo* IE as defined in TS 38.331 [18] |

<<<<<<<<<<<<<<<<<<<< Unmodified Text Omitted >>>>>>>>>>>>>>>>>>>>

### 9.4.5 Information Element Definitions

-- ASN1START

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

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-- Information Element Definitions

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

<<<<<<<<<<<<<<<<<<<< Unmodified Text Omitted >>>>>>>>>>>>>>>>>>>>

MBS-ServiceArea ::= CHOICE {

locationindependent MBS-ServiceAreaInformation,

locationdependent MBS-ServiceAreaInformationList,

choice-Extensions ProtocolIE-SingleContainer { {MBS-ServiceArea-ExtIEs} }

}

MBS-ServiceArea-ExtIEs NGAP-PROTOCOL-IES ::= {

...

}

MBS-ServiceAreaInformationList ::= SEQUENCE (SIZE(1..maxnoofMBSServiceAreaInformation)) OF MBS-ServiceAreaInformationItem

MBS-ServiceAreaInformationItem ::= SEQUENCE {

mBS-AreaSessionID MBS-AreaSessionID,

mBS-ServiceAreaInformation MBS-ServiceAreaInformation,

iE-Extensions ProtocolExtensionContainer { {MBS-ServiceAreaInformationItem-ExtIEs} } OPTIONAL,

...

}

MBS-ServiceAreaInformationItem-ExtIEs NGAP-PROTOCOL-EXTENSION ::= {

...

}

MBS-ServiceAreaInformation ::= SEQUENCE {

mBS-ServiceAreaCellList MBS-ServiceAreaCellList OPTIONAL,

mBS-ServiceAreaTAIList MBS-ServiceAreaTAIList OPTIONAL,

iE-Extensions ProtocolExtensionContainer { {MBS-ServiceAreaInformation-ExtIEs} } OPTIONAL,

...

}

MBS-ServiceAreaInformation-ExtIEs NGAP-PROTOCOL-EXTENSION ::= {

{ ID id-MBS-IntendedServiceAreaList CRITICALITY ignore EXTENSION MBS-IntendedServiceAreaList PRESENCE optional },

...

}

MBS-ServiceAreaCellList ::= SEQUENCE (SIZE(1.. maxnoofCellsforMBS)) OF NR-CGI

MBS-ServiceAreaTAIList ::= SEQUENCE (SIZE(1.. maxnoofTAIforMBS)) OF TAI

MBS-IntendedServiceAreaList ::= SEQUENCE (SIZE(1..maxnoofIntendedAreasforMBS)) OF IntendedServiceAreaCoordinates

IntendedServiceAreaCoordinates ::= OCTET STRING

MBS-SessionID ::= SEQUENCE {

tMGI TMGI,

nID NID OPTIONAL,

iE-Extensions ProtocolExtensionContainer { {MBS-SessionID-ExtIEs} } OPTIONAL,

...

}

MBS-SessionID-ExtIEs NGAP-PROTOCOL-EXTENSION ::= {

...

}