**TSG RAN Meeting #23**                                                      **RP-040070**
**Phoenix, Arizona, USA, 10 - 12 March 2004**

**Title**                               **CRs (Rel-5 and Rel-6 Category A) to TS 25.423**
**Source**                          **TSG RAN WG3**
**Agenda Item**                **7.4.5**

| RAN3 Tdoc | CR. | Rev. | Cat | Spec. | curr. Vers. | new Vers. | REL | Work Item | Title |
|---|---|---|---|---|---|---|---|---|---|
| **R3-040248** | 907 | - | F | 25.423 | 5.8.0 | 5.9.0 | REL-5 | TEI5 | Ignore Criticality for RL Activation Command |
| **R3-040249** | 908 | - | A | 25.423 | 6.0.0 | 6.1.0 | REL-6 | TEI5 | Ignore Criticality for RL Activation Command |
| **R3-040250** | 909 | - | F | 25.423 | 5.8.0 | 5.9.0 | REL-5 | TEI5 | Ignore Criticality for RL Parameter Update |
| **R3-040251** | 910 | - | A | 25.423 | 6.0.0 | 6.1.0 | REL-6 | TEI5 | Ignore Criticality for RL Parameter Update |
| **R3-040292** | 921 | - | F | 25.423 | 5.8.0 | 5.9.0 | REL-5 | TEI5 | Correction of ASN.1 code |
| **R3-040293** | 922 | - | A | 25.423 | 6.0.0 | 6.1.0 | REL-6 | TEI5 | Correction of ASN.1 code |
| **R3-040455** | 941 | - | F | 25.423 | 5.8.0 | 5.9.0 | REL-5 | HSDPA-IubIur | Criticality Settings for HSDPA. |
| **R3-040456** | 942 | - | A | 25.423 | 6.0.0 | 6.1.0 | REL-6 | HSDPA-IubIur | Criticality Settings for HSDPA. |
| **R3-040462** | 943 | - | F | 25.423 | 5.8.0 | 5.9.0 | REL-5 | TEI5 | GA Incompatibility issue |
| **R3-040463** | 944 | - | A | 25.423 | 6.0.0 | 6.1.0 | REL-6 | TEI5 | GA Incompatibility issue |

*CR-Form-v7*

# CHANGE REQUEST

⌘ **25.423** CR **907** ⌘**rev** **-** ⌘ Current version: **5.8.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

**Proposed change affects:** UICC apps⌘ ☐ ME ☐ Radio Access Network **X** Core Network ☐

| | | |
|---|---|---|
| **Title:** ⌘ | Ignore Criticality for RL Activation Command | |
| **Source:** ⌘ | RAN3 | |
| **Work item code:** ⌘ | TEI5 | **Date:** ⌘ 16/02/2004 |

**Category:** ⌘ **F**

Use <u>one</u> of the following categories:
**F** (correction)
**A** (corresponds to a correction 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.

**Release:** ⌘ Rel-5

Use <u>one</u> of the following releases:
2       (GSM Phase 2)
R96     (Release 1996)
R97     (Release 1997)
R98     (Release 1998)
R99     (Release 1999)
Rel-4   (Release 4)
Rel-5   (Release 5)
Rel-6   (Release 6)

| | |
|---|---|
| **Reason for change:** ⌘ | At RAN3#39, CR 894 has been agreed. This CR corrects the Release 5 of the specification. During the review of the RNSAP/NBAP specifications, it was agreed that the Criticality of the RADIO LINK ACTIVATION COMMAND message and all the Information Elements it contains should be changed to "Ignore". The correction was performed in the tabular format, but not in the ASN.1 for the Information Elements in the RADIO LINK ACTIVATION COMMAND message. |
| **Summary of change:** ⌘ | The Criticality of all the Information Elements contained in the RADIO LINK ACTIVATION COMMAND is changed to "Ignore" in the ASN.1. <br><br> <u>Impact Analysis:</u> <br><br> Impact assessment towards the previous version of the specification (same release): <br><br> This CR has isolated impact with the previous version of the specification (same release) because it affects only one function: Radio Link Delayed Activation. <br><br> This CR has an impact under protocol point of view. <br><br> The impact can be considered isolated because the change affects only one system function namely the Radio Link Delayed Activation. |
| **Consequences if not approved:** ⌘ | The ASN.1 definition of the RADIO LINK ACTIVATION COMMAND will remain inconsistent with the ASN.1 definition principles of RAN3 specifications. |
| **Clauses affected:** ⌘ | 9.3.3 |

| | | **Y** | **N** | | | |
|---|---|---|---|---|---|---|
| **Other specs affected:** | ⌘ | **X** | | Other core specifications | ⌘ | CR 908 on 25.423 v 6.0.0 |
| | | | **X** | Test specifications | | |
| | | | **X** | O&M Specifications | | |
| **Other comments:** | ⌘ | | | | | |

## How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text.  Delete those parts of the specification which are not relevant to the change request.

## 9.3.3     PDU Definitions

```
-- ***************************************************************
--
-- PDU definitions for RNSAP.
--
-- ***************************************************************

RNSAP-PDU-Contents {
itu-t (0) identified-organization (4) etsi (0) mobileDomain (0)
umts-Access (20) modules (3) rnsap (1) version1 (1) rnsap-PDU-Contents (1) }

DEFINITIONS AUTOMATIC TAGS ::=

BEGIN
```

<mark>UNCHANGED TEXT IS REMOVED</mark>

```
-- ***************************************************************
--
-- RADIO LINK ACTIVATION COMMAND FDD
--
-- ***************************************************************

RadioLinkActivationCommandFDD ::= SEQUENCE {
    protocolIEs          ProtocolIE-Container    {{RadioLinkActivationCommandFDD-IEs}},
    protocolExtensions       ProtocolExtensionContainer  {{RadioLinkActivationCommandFDD-Extensions}}        OPTIONAL,
    ...
}

RadioLinkActivationCommandFDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-DelayedActivationList-RL-ActivationCmdFDD      CRITICALITY ignorereject    TYPE   DelayedActivationInformationList-RL-
ActivationCmdFDD          PRESENCE   mandatory   },
    ...
}

RadioLinkActivationCommandFDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

DelayedActivationInformationList-RL-ActivationCmdFDD ::= SEQUENCE (SIZE (1..maxNrOfRLs)) OF ProtocolIE-Single-Container {
    { DelayedActivationInformation-RL-ActivationCmdFDD-IEs} }

DelayedActivationInformation-RL-ActivationCmdFDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-DelayedActivationInformation-RL-ActivationCmdFDD    CRITICALITY ignorereject    TYPE DelayedActivationInformation-RL-ActivationCmdFDD
    PRESENCE optional    }
}

DelayedActivationInformation-RL-ActivationCmdFDD ::= SEQUENCE {
    rL-ID                  RL-ID,
    delayed-activation-update   DelayedActivationUpdate,
```

```
    iE-Extensions                ProtocolExtensionContainer { { DelayedActivationInformation-RL-ActivationCmdFDD-ExtIEs} } OPTIONAL,
    ...
}

DelayedActivationInformation-RL-ActivationCmdFDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

-- ************************************************************
--
-- RADIO LINK ACTIVATION COMMAND TDD
--
-- ************************************************************

RadioLinkActivationCommandTDD ::= SEQUENCE {
    protocolIEs          ProtocolIE-Container    {{RadioLinkActivationCommandTDD-IEs}},
    protocolExtensions   ProtocolExtensionContainer {{RadioLinkActivationCommandTDD-Extensions}}       OPTIONAL,
    ...
}

RadioLinkActivationCommandTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-DelayedActivationList-RL-ActivationCmdTDD     CRITICALITY ignorereject   TYPE   DelayedActivationInformationList-RL-
ActivationCmdTDD            PRESENCE   mandatory   },
    ...
}

RadioLinkActivationCommandTDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

DelayedActivationInformationList-RL-ActivationCmdTDD ::= SEQUENCE (SIZE (1..maxNrOfRLs)) OF ProtocolIE-Single-Container {
    { DelayedActivationInformation-RL-ActivationCmdTDD-IEs} }

DelayedActivationInformation-RL-ActivationCmdTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-DelayedActivationInformation-RL-ActivationCmdTDD    CRITICALITY ignorereject   TYPE DelayedActivationInformation-RL-ActivationCmdTDD
    PRESENCE optional   }
}

DelayedActivationInformation-RL-ActivationCmdTDD ::= SEQUENCE {
    rL-ID                    RL-ID,
    delayed-activation-update   DelayedActivationUpdate,
    iE-Extensions                ProtocolExtensionContainer { { DelayedActivationInformation-RL-ActivationCmdTDD-ExtIEs} } OPTIONAL,
    ...
}

DelayedActivationInformation-RL-ActivationCmdTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}
```

UNCHANGED TEXT IS REMOVED

CR-Form-v7

# CHANGE REQUEST

⌘ **25.423** CR **908** ⌘rev **-** ⌘ Current version: **6.0.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

**Proposed change affects:** UICC apps⌘ ☐    ME ☐ Radio Access Network **X** Core Network ☐

| | |
|---|---|
| ***Title:*** ⌘ | Ignore Criticality for RL Activation Command |
| ***Source:*** ⌘ | RAN3 |
| ***Work item code:*** ⌘ TEI5 | ***Date:*** ⌘ 16/02/2004 |
| ***Category:*** ⌘ **A** | ***Release:*** ⌘ Rel-6 |

*Use one of the following categories:*
 *F (correction)*
 *A (corresponds to a correction 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.

*Use one of the following releases:*
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 R96   (Release 1996)
 R97   (Release 1997)
 R98   (Release 1998)
 R99   (Release 1999)
 Rel-4 (Release 4)
 Rel-5 (Release 5)
 Rel-6 (Release 6)

| | |
|---|---|
| ***Reason for change:*** ⌘ | At RAN3#39, CR 894 has been agreed. This CR corrects the Release 5 of the specification. During the review of the RNSAP/NBAP specifications, it was agreed that the Criticality of the RADIO LINK ACTIVATION COMMAND message and all the Information Elements it contains should be changed to "Ignore". The correction was performed in the tabular format, but not in the ASN.1 for the Information Elements in the RADIO LINK ACTIVATION COMMAND message. |
| ***Summary of change:*** ⌘ | The Criticality of all the Information Elements contained in the RADIO LINK ACTIVATION COMMAND is changed to "Ignore" in the ASN.1.<br><br>Impact Analysis:<br><br>Impact assessment towards the previous version of the specification (same release):<br><br>This CR has isolated impact with the previous version of the specification (same release) because it affects only one function: Radio Link Delayed Activation.<br><br>This CR has an impact under protocol point of view.<br><br>The impact can be considered isolated because the change affects only one system function namely the Radio Link Delayed Activation. |
| ***Consequences if not approved:*** ⌘ | The ASN.1 definition of the RADIO LINK ACTIVATION COMMAND will remain inconsistent with the ASN.1 definition principles of RAN3 specifications. |
| ***Clauses affected:*** ⌘ | 9.3.3 |

| | | Y | N | | | |
|---|---|---|---|---|---|---|
| ***Other specs affected:*** | ⌘ | X | | Other core specifications | ⌘ | CR 907 on 25.423 v 5.8.0 |
| | | | X | Test specifications | | |
| | | | X | O&M Specifications | | |
| ***Other comments:*** | ⌘ | | | | | |

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## 9.3.3    PDU Definitions

```
-- *************************************************************
--
-- PDU definitions for RNSAP.
--
-- *************************************************************

RNSAP-PDU-Contents {
itu-t (0) identified-organization (4) etsi (0) mobileDomain (0)
umts-Access (20) modules (3) rnsap (1) version1 (1) rnsap-PDU-Contents (1) }

DEFINITIONS AUTOMATIC TAGS ::=

BEGIN

UNCHANGED TEXT IS REMOVED

-- *************************************************************
--
-- RADIO LINK ACTIVATION COMMAND FDD
--
-- *************************************************************

RadioLinkActivationCommandFDD ::= SEQUENCE {
    protocolIEs          ProtocolIE-Container     {{RadioLinkActivationCommandFDD-IEs}},
    protocolExtensions   ProtocolExtensionContainer  {{RadioLinkActivationCommandFDD-Extensions}}      OPTIONAL,
    ...
}

RadioLinkActivationCommandFDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-DelayedActivationList-RL-ActivationCmdFDD     CRITICALITY ignorereject   TYPE   DelayedActivationInformationList-RL-
ActivationCmdFDD           PRESENCE   mandatory   },
    ...
}

RadioLinkActivationCommandFDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

DelayedActivationInformationList-RL-ActivationCmdFDD ::= SEQUENCE (SIZE (1..maxNrOfRLs)) OF ProtocolIE-Single-Container {
    { DelayedActivationInformation-RL-ActivationCmdFDD-IEs} }

DelayedActivationInformation-RL-ActivationCmdFDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-DelayedActivationInformation-RL-ActivationCmdFDD    CRITICALITY ignorereject   TYPE DelayedActivationInformation-RL-ActivationCmdFDD
    PRESENCE optional   }
}

DelayedActivationInformation-RL-ActivationCmdFDD ::= SEQUENCE {
    rL-ID                  RL-ID,
    delayed-activation-update   DelayedActivationUpdate,
```

```
    iE-Extensions              ProtocolExtensionContainer { { DelayedActivationInformation-RL-ActivationCmdFDD-ExtIEs} } OPTIONAL,
    ...
}

DelayedActivationInformation-RL-ActivationCmdFDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

-- **************************************************************
--
-- RADIO LINK ACTIVATION COMMAND TDD
--
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RadioLinkActivationCommandTDD ::= SEQUENCE {
    protocolIEs          ProtocolIE-Container   {{RadioLinkActivationCommandTDD-IEs}},
    protocolExtensions   ProtocolExtensionContainer {{RadioLinkActivationCommandTDD-Extensions}}     OPTIONAL,
    ...
}

RadioLinkActivationCommandTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-DelayedActivationList-RL-ActivationCmdTDD     CRITICALITY ignorereject   TYPE   DelayedActivationInformationList-RL-
ActivationCmdTDD            PRESENCE   mandatory   },
    ...
}

RadioLinkActivationCommandTDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
    ...
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DelayedActivationInformationList-RL-ActivationCmdTDD ::= SEQUENCE (SIZE (1..maxNrOfRLs)) OF ProtocolIE-Single-Container {
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DelayedActivationInformation-RL-ActivationCmdTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-DelayedActivationInformation-RL-ActivationCmdTDD    CRITICALITY ignorereject   TYPE DelayedActivationInformation-RL-ActivationCmdTDD
    PRESENCE optional   }
}

DelayedActivationInformation-RL-ActivationCmdTDD ::= SEQUENCE {
    rL-ID                    RL-ID,
    delayed-activation-update   DelayedActivationUpdate,
    iE-Extensions              ProtocolExtensionContainer { { DelayedActivationInformation-RL-ActivationCmdTDD-ExtIEs} } OPTIONAL,
    ...
}

DelayedActivationInformation-RL-ActivationCmdTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}
```

UNCHANGED TEXT IS REMOVED

CR-Form-v7

# CHANGE REQUEST

| ⌘ | **25.423** CR **909** | ⌘ **rev** | **-** | ⌘ | Current version: | **5.8.0** | ⌘ |

*For* **HELP** *on using this form, see bottom of this page or look at the pop-up text over the* ⌘ *symbols.*

---

**Proposed change affects:**   UICC apps⌘ ☐      ME ☐   Radio Access Network **X**   Core Network ☐

---

| | | |
|---|---|---|
| ***Title:*** ⌘ | Ignore Criticality for RL Parameter Update | |
| ***Source:*** ⌘ | RAN3 | |
| ***Work item code:*** ⌘ | TEI5 | ***Date:*** ⌘ 16/02/2004 |
| ***Category:*** ⌘ **F** | | ***Release:*** ⌘ Rel-5 |

*Use one of the following categories:*
  ***F*** *(correction)*
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*Use one of the following releases:*
  *2*     *(GSM Phase 2)*
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  *R97*  *(Release 1997)*
  *R98*  *(Release 1998)*
  *R99*  *(Release 1999)*
  *Rel-4* *(Release 4)*
  *Rel-5* *(Release 5)*
  *Rel-6* *(Release 6)*

---

| | |
|---|---|
| ***Reason for change:*** ⌘ | At RAN3#39, CR 894 has been agreed. This CR corrects the Release 5 of the specification. During the review of the RNSAP/NBAP specifications, it was agreed that the Criticality of the RADIO LINK PARAMETER UPDATE INDICATION message and all the Information Elements it contains should be changed to "Ignore". The correction was performed in the tabular format, but not in the ASN.1 for the Information Elements in the RADIO LINK PARAMETER UPDATE INDICATION message. |
| ***Summary of change:*** ⌘ | The Criticality of all the Information Elements contained in the RADIO LINK PARAMETER UPDATE INDICATION is changed to "Ignore" in the ASN.1. |
| | Impact Analysis: |
| | Impact assessment towards the previous version of the specification (same release): |
| | This CR has isolated impact with the previous version of the specification (same release) because it affects only one function: Radio Link Parameter Update. |
| | This CR has an impact under protocol point of view. |
| | The impact can be considered isolated because the change affects only one system function namely the Radio Link Parameter Update. |
| ***Consequences if not approved:*** ⌘ | The ASN.1 definition of the RADIO LINK PARAMETER UPDATE INDICATION will remain inconsistent with the ASN.1 definition principles of RAN3 specifications. |

| Clauses affected: | ⌘ | 9.3.3 | | | |
|---|---|---|---|---|---|

| | | **Y** | **N** | | |
|---|---|---|---|---|---|
| **Other specs affected:** | ⌘ | X | | Other core specifications | ⌘ CR 910 on 25.423 v 6.0.0 |
| | | | X | Test specifications | |
| | | | X | O&M Specifications | |

| **Other comments:** | ⌘ | |
|---|---|---|

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## 9.3.3    PDU Definitions

```
-- *****************************************************************
--
-- PDU definitions for RNSAP.
--
-- *****************************************************************

RNSAP-PDU-Contents {
itu-t (0) identified-organization (4) etsi (0) mobileDomain (0)
umts-Access (20) modules (3) rnsap (1) version1 (1) rnsap-PDU-Contents (1) }

DEFINITIONS AUTOMATIC TAGS ::=

BEGIN

UNCHANGED TEXT IS REMOVED

-- *****************************************************************
--
-- RADIO LINK PARAMETER UPDATE INDICATION FDD
--
-- *****************************************************************

RadioLinkParameterUpdateIndicationFDD ::= SEQUENCE {
    protocolIEs            ProtocolIE-Container    {{RadioLinkParameterUpdateIndicationFDD-IEs}},
    protocolExtensions     ProtocolExtensionContainer  {{RadioLinkParameterUpdateIndicationFDD-Extensions}}        OPTIONAL,
    ...
}

RadioLinkParameterUpdateIndicationFDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID    id-HSDSCH-FDD-Update-Information                        CRITICALITY ignorereject    TYPE            HSDSCH-FDD-Update-Information
        PRESENCE    optional}|
    { ID    id-RL-ParameterUpdateIndicationFDD-RL-InformationList   CRITICALITY ignorereject    TYPE            RL-ParameterUpdateIndicationFDD-
RL-InformationList      PRESENCE optional   },
    ...
}

RL-ParameterUpdateIndicationFDD-RL-InformationList ::= SEQUENCE (SIZE (1..maxNrOfRLs)) OF ProtocolIE-Single-Container { { RL-
ParameterUpdateIndicationFDD-RL-InformationList-IEs} }

RL-ParameterUpdateIndicationFDD-RL-InformationList-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-RL-ParameterUpdateIndicationFDD-RL-Information-Item     CRITICALITY ignorereject    TYPE RL-ParameterUpdateIndicationFDD-RL-
Information-Item        PRESENCE mandatory  }
}

RL-ParameterUpdateIndicationFDD-RL-Information-Item::= SEQUENCE {
    rL-ID                            RL-ID,
    phase-Reference-Update-Indicator    Phase-Reference-Update-Indicator    OPTIONAL,
    iE-Extensions                    ProtocolExtensionContainer { { RL-ParameterUpdateIndicationFDD-RL-Information-ExtIEs} } OPTIONAL,
    ...
```

```
}

RL-ParameterUpdateIndicationFDD-RL-Information-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

RadioLinkParameterUpdateIndicationFDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

-- *************************************************************
--
-- RADIO LINK PARAMETER UPDATE INDICATION TDD
--
-- *************************************************************

RadioLinkParameterUpdateIndicationTDD ::= SEQUENCE {
    protocolIEs             ProtocolIE-Container    {{RadioLinkParameterUpdateIndicationTDD-IEs}},
    protocolExtensions      ProtocolExtensionContainer  {{RadioLinkParameterUpdateIndicationTDD-Extensions}}        OPTIONAL,
    ...
}

RadioLinkParameterUpdateIndicationTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID    id-HSDSCH-TDD-Update-Information        CRITICALITY    ignorereject        TYPE    HSDSCH-TDD-Update-Information        PRESENCE
    optional},
    ...
}

RadioLinkParameterUpdateIndicationTDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}
```

UNCHANGED TEXT IS REMOVED

CR-Form-v7

# CHANGE REQUEST

| ⌘ | **25.423** CR **910** | ⌘rev | **-** | ⌘ | Current version: | **6.0.0** | ⌘ |

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

**Proposed change affects:**    UICC apps⌘ ☐    ME ☐  Radio Access Network **X**  Core Network ☐

| | | |
|---|---|---|
| ***Title:*** ⌘ | Ignore Criticality for RL Parameter Update | |
| ***Source:*** ⌘ | RAN3 | |
| ***Work item code:*** ⌘ | TEI5 | ***Date:*** ⌘ 16/02/2004 |
| ***Category:*** ⌘ **A** | | ***Release:*** ⌘ Rel-6 |

Use *one* of the following categories:
**F** (correction)
**A** (corresponds to a correction in an earlier release)
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| | |
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| ***Summary of change:*** ⌘ | The Criticality of all the Information Elements contained in the RADIO LINK PARAMETER UPDATE INDICATION is changed to "Ignore" in the ASN.1.

Impact Analysis:

Impact assessment towards the previous version of the specification (same release):

This CR has isolated impact with the previous version of the specification (same release) because it affects only one function: Radio Link Parameter Update.

This CR has an impact under protocol point of view.

The impact can be considered isolated because the change affects only one system function namely the Radio Link Parameter Update. |
| ***Consequences if not approved:*** ⌘ | The ASN.1 definition of the RADIO LINK PARAMETER UPDATE INDICATION will remain inconsistent with the ASN.1 definition principles of RAN3 specifications. |

| Clauses affected: | ⌘ | 9.3.3 | | | |
|---|---|---|---|---|---|

| | | **Y** | **N** | | |
|---|---|---|---|---|---|
| **Other specs affected:** | ⌘ | **X** | | Other core specifications | ⌘ | CR 909 on 25.423 v 5.8.0 |
| | | | **X** | Test specifications | |
| | | | **X** | O&M Specifications | |

| **Other comments:** | ⌘ | |
|---|---|---|

## How to create CRs using this form:

## 9.3.3    PDU Definitions

```
-- ****************************************************************
--
-- PDU definitions for RNSAP.
--
-- ****************************************************************

RNSAP-PDU-Contents {
itu-t (0) identified-organization (4) etsi (0) mobileDomain (0)
umts-Access (20) modules (3) rnsap (1) version1 (1) rnsap-PDU-Contents (1) }

DEFINITIONS AUTOMATIC TAGS ::=

BEGIN

UNCHANGED TEXT IS REMOVED

-- ****************************************************************
--
-- RADIO LINK PARAMETER UPDATE INDICATION FDD
--
-- ****************************************************************

RadioLinkParameterUpdateIndicationFDD ::= SEQUENCE {
    protocolIEs             ProtocolIE-Container     {{RadioLinkParameterUpdateIndicationFDD-IEs}},
    protocolExtensions      ProtocolExtensionContainer  {{RadioLinkParameterUpdateIndicationFDD-Extensions}}         OPTIONAL,
    ...
}

RadioLinkParameterUpdateIndicationFDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID    id-HSDSCH-FDD-Update-Information                              CRITICALITY ignorereject    TYPE            HSDSCH-FDD-Update-Information
        PRESENCE    optional}|
    { ID    id-RL-ParameterUpdateIndicationFDD-RL-InformationList    CRITICALITY ignorereject    TYPE            RL-ParameterUpdateIndicationFDD-
RL-InformationList      PRESENCE optional   },
    ...
}

RL-ParameterUpdateIndicationFDD-RL-InformationList ::= SEQUENCE (SIZE (1..maxNrOfRLs)) OF ProtocolIE-Single-Container { { RL-
ParameterUpdateIndicationFDD-RL-InformationList-IEs} }

RL-ParameterUpdateIndicationFDD-RL-InformationList-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-RL-ParameterUpdateIndicationFDD-RL-Information-Item     CRITICALITY ignorereject    TYPE RL-ParameterUpdateIndicationFDD-RL-
Information-Item        PRESENCE mandatory  }
}

RL-ParameterUpdateIndicationFDD-RL-Information-Item::= SEQUENCE {
    rL-ID                           RL-ID,
    phase-Reference-Update-Indicator    Phase-Reference-Update-Indicator    OPTIONAL,
    iE-Extensions                   ProtocolExtensionContainer { { RL-ParameterUpdateIndicationFDD-RL-Information-ExtIEs} } OPTIONAL,
    ...
```

```
}

RL-ParameterUpdateIndicationFDD-RL-Information-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

RadioLinkParameterUpdateIndicationFDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

-- *************************************************************
--
-- RADIO LINK PARAMETER UPDATE INDICATION TDD
--
-- *************************************************************

RadioLinkParameterUpdateIndicationTDD ::= SEQUENCE {
    protocolIEs           ProtocolIE-Container    {{RadioLinkParameterUpdateIndicationTDD-IEs}},
    protocolExtensions    ProtocolExtensionContainer  {{RadioLinkParameterUpdateIndicationTDD-Extensions}}        OPTIONAL,
    ...
}

RadioLinkParameterUpdateIndicationTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID    id-HSDSCH-TDD-Update-Information        CRITICALITY    ignorereject        TYPE    HSDSCH-TDD-Update-Information        PRESENCE
    optional},
    ...
}

RadioLinkParameterUpdateIndicationTDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}
```

UNCHANGED TEXT IS REMOVED

CR-Form-v7

# CHANGE REQUEST

| ⌘ | **25.423** | CR | **921** | ⌘ rev | **-** | ⌘ | Current version: | **5.8.0** | ⌘ |

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

**Proposed change affects:** UICC apps⌘ ☐  ME ☐  Radio Access Network **X**  Core Network ☐

| | | | |
|---|---|---|---|
| ***Title:*** ⌘ | Correction of ASN.1 code | | |
| ***Source:*** ⌘ | RAN3 | | |
| ***Work item code:***⌘ | TEI5 | ***Date:*** ⌘ | 11/2/2004 |
| ***Category:*** ⌘ | **F** | ***Release:*** ⌘ | Rel-5 |

Use <u>one</u> of the following categories:
  **F** *(correction)*
  **A** *(corresponds to a correction 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 <u>TR 21.900</u>.

Use <u>one</u> of the following releases:
  2     *(GSM Phase 2)*
  R96   *(Release 1996)*
  R97   *(Release 1997)*
  R98   *(Release 1998)*
  R99   *(Release 1999)*
  Rel-4 *(Release 4)*
  Rel-5 *(Release 5)*
  Rel-6 *(Release 6)*

| | |
|---|---|
| ***Reason for change:*** ⌘ | Three errors were found in the ASN.1 code when reviewing v5.7.0 of 25.423. The errors are:<br><br>1. Undefined IE: HSDSCH-TDD-MACdFlows-Information in RadioLinkReconfigurationPrepareTDD-Extensions.<br><br>2. Undefined IE: HSDSCH-MACdFlows-to-Add-ExtIEs in HSDSCH-MACdFlows-Information.<br><br>3. id-TnlQos is used in the Information Element Definitions module but not imported. |
| ***Summary of change:*** ⌘ | The following corrections have been done in the ASN.1:<br><br>HSDSCH-TDD-MACdFlows-Information has been changed to HSDSCH-MACdFlows-Information in RadioLinkReconfigurationPrepareTDD-Extensions.<br><br>HSDSCH-MACdFlows-to-Add-ExtIEs has been changed to HSDSCH-MACdFlows-Information-ExtIEs in HSDSCH-MACdFlows-Information.<br><br>id-TnlQos added to the RNSAP-IEs imported to the Information Element Definitions module.<br><br><u>Impact assessment towards the previous version of the specification (same release):</u><br><br>This CR has impact on the previous version of the specification (same release). This CR has an impact under the protocol point of view.<br><br>The impact affects the ASN.1 code. |

| Consequences if not approved: | ⌘ The ASN.1 code will remain incorrect for 25.423. |
|---|---|

| Clauses affected: | ⌘ 9.3.3, 9.3.4 | | |
|---|---|---|---|

| Other specs affected: | ⌘ | **Y** | **N** | | | | |
|---|---|---|---|---|---|---|---|
| | | X | | Other core specifications | ⌘ | 25.423 v 6.0.0 CR922 | |
| | | | X | Test specifications | | | |
| | | | X | O&M Specifications | | | |

| Other comments: | ⌘ | |
|---|---|---|

## How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text.  Delete those parts of the specification which are not relevant to the change request.

## 9.3.3　PDU Definitions

```
-- *************************************************************
--
-- PDU definitions for RNSAP.
--
-- *************************************************************

/* partly omitted */

-- *************************************************************
--
-- RADIO LINK RECONFIGURATION PREPARE TDD
--
-- *************************************************************

RadioLinkReconfigurationPrepareTDD ::= SEQUENCE {
    protocolIEs                     ProtocolIE-Container        {{RadioLinkReconfigurationPrepareTDD-
IEs}},
    protocolExtensions              ProtocolExtensionContainer {{RadioLinkReconfigurationPrepareTDD-
Extensions}}               OPTIONAL,
    ...
}

RadioLinkReconfigurationPrepareTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-AllowedQueuingTime          CRITICALITY reject  TYPE AllowedQueuingTime
    PRESENCE optional    } |
    { ID id-UL-CCTrCH-InformationAddList-RL-ReconfPrepTDD   CRITICALITY notify  TYPE UL-CCTrCH-
InformationAddList-RL-ReconfPrepTDD PRESENCE optional    } |
    { ID id-UL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD    CRITICALITY notify  TYPE UL-CCTrCH-
InformationModifyList-RL-ReconfPrepTDD  PRESENCE optional    } |
    { ID id-UL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD    CRITICALITY notify  TYPE UL-CCTrCH-
InformationDeleteList-RL-ReconfPrepTDD  PRESENCE optional    } |
    { ID id-DL-CCTrCH-InformationAddList-RL-ReconfPrepTDD   CRITICALITY notify  TYPE DL-CCTrCH-
InformationAddList-RL-ReconfPrepTDD PRESENCE optional    } |
    { ID id-DL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD    CRITICALITY notify  TYPE DL-CCTrCH-
InformationModifyList-RL-ReconfPrepTDD  PRESENCE optional    } |
    { ID id-DL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD    CRITICALITY notify  TYPE DL-CCTrCH-
InformationDeleteList-RL-ReconfPrepTDD  PRESENCE optional    } |
    { ID id-TDD-DCHs-to-Modify        CRITICALITY reject  TYPE TDD-DCHs-to-Modify     PRESENCE
optional    } |
    { ID id-DCHs-to-Add-TDD     CRITICALITY reject  TYPE DCH-TDD-Information         PRESENCE
optional    } |
    { ID id-DCH-DeleteList-RL-ReconfPrepTDD     CRITICALITY reject  TYPE DCH-DeleteList-RL-
ReconfPrepTDD        PRESENCE optional    }|
    { ID id-DSCH-ModifyList-RL-ReconfPrepTDD    CRITICALITY reject  TYPE DSCH-ModifyList-RL-
ReconfPrepTDD        PRESENCE optional    } |
    { ID id-DSCHs-to-Add-TDD        CRITICALITY reject  TYPE DSCH-TDD-Information        PRESENCE
optional    } |
    { ID id-DSCH-DeleteList-RL-ReconfPrepTDD    CRITICALITY reject  TYPE DSCH-DeleteList-RL-
ReconfPrepTDD        PRESENCE optional    } |
    { ID id-USCH-ModifyList-RL-ReconfPrepTDD    CRITICALITY reject  TYPE USCH-ModifyList-RL-
ReconfPrepTDD        PRESENCE optional    } |
    { ID id-USCHs-to-Add        CRITICALITY reject  TYPE USCH-Information        PRESENCE
optional    } |
    { ID id-USCH-DeleteList-RL-ReconfPrepTDD    CRITICALITY reject  TYPE USCH-DeleteList-RL-
ReconfPrepTDD        PRESENCE optional    },
    ...
}

UL-CCTrCH-InformationAddList-RL-ReconfPrepTDD       ::= SEQUENCE (SIZE (0..maxNrOfCCTrCHs)) OF
ProtocolIE-Single-Container { {UL-CCTrCH-AddInformation-RL-ReconfPrepTDD-IEs} }

UL-CCTrCH-AddInformation-RL-ReconfPrepTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-UL-CCTrCH-AddInformation-RL-ReconfPrepTDD   CRITICALITY notify  TYPE UL-CCTrCH-
AddInformation-RL-ReconfPrepTDD PRESENCE mandatory  }
}

UL-CCTrCH-AddInformation-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID                   CCTrCH-ID,
    tFCS                        TFCS,
    tFCI-Coding                 TFCI-Coding,
    punctureLimit               PunctureLimit,
    iE-Extensions               ProtocolExtensionContainer { {UL-CCTrCH-AddInformation-RL-
ReconfPrepTDD-ExtIEs} } OPTIONAL,
    ...
}
```

```
UL-CCTrCH-AddInformation-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-UL-SIRTarget       CRITICALITY reject    EXTENSION    UL-SIR      PRESENCE
optional}|
    -- This IE shall be mandatory for 1.28Mcps TDD, not applicable for 3.84Mcps TDD.
    { ID id-TDD-TPC-UplinkStepSize-InformationAdd-LCR-RL-ReconfPrepTDD CRITICALITY reject
      EXTENSION TDD-TPC-UplinkStepSize-LCR   PRESENCE optional   },
    -- Mandatory for 1.28Mcps TDD, not applicable to 3.84Mcps TDD
    ...
}


UL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD        ::= SEQUENCE (SIZE (0..maxNrOfCCTrCHs)) OF
ProtocolIE-Single-Container { {UL-CCTrCH-ModifyInformation-RL-ReconfPrepTDD-IEs} }

UL-CCTrCH-ModifyInformation-RL-ReconfPrepTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-UL-CCTrCH-ModifyInformation-RL-ReconfPrepTDD   CRITICALITY notify  TYPE UL-CCTrCH-
ModifyInformation-RL-ReconfPrepTDD  PRESENCE mandatory   }
}


UL-CCTrCH-ModifyInformation-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID                  CCTrCH-ID,
    tFCS                       TFCS        OPTIONAL,
    tFCI-Coding                TFCI-Coding         OPTIONAL,
    punctureLimit              PunctureLimit           OPTIONAL,
    iE-Extensions              ProtocolExtensionContainer { {UL-CCTrCH-ModifyInformation-RL-
ReconfPrepTDD-ExtIEs} } OPTIONAL,
    ...
}


UL-CCTrCH-ModifyInformation-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-UL-SIRTarget       CRITICALITY reject    EXTENSION    UL-SIR      PRESENCE
optional}|
    -- This IE shall be applicable for 1.28Mcps TDD only.
    { ID id-TDD-TPC-UplinkStepSize-InformationModify-LCR-RL-ReconfPrepTDD  CRITICALITY reject
      EXTENSION   TDD-TPC-UplinkStepSize-LCR       PRESENCE optional   },
    -- Applicable to 1.28Mcps TDD only
    ...
}


UL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD        ::= SEQUENCE (SIZE (0..maxNrOfCCTrCHs)) OF
ProtocolIE-Single-Container { {UL-CCTrCH-DeleteInformation-RL-ReconfPrepTDD-IEs} }

UL-CCTrCH-DeleteInformation-RL-ReconfPrepTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-UL-CCTrCH-DeleteInformation-RL-ReconfPrepTDD   CRITICALITY notify  TYPE UL-CCTrCH-
DeleteInformation-RL-ReconfPrepTDD  PRESENCE mandatory   }
}


UL-CCTrCH-DeleteInformation-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID                  CCTrCH-ID,
    iE-Extensions              ProtocolExtensionContainer { {UL-CCTrCH-DeleteInformation-RL-
ReconfPrepTDD-ExtIEs} } OPTIONAL,
    ...
}


UL-CCTrCH-DeleteInformation-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}


DL-CCTrCH-InformationAddList-RL-ReconfPrepTDD       ::= SEQUENCE (SIZE (0..maxNrOfCCTrCHs)) OF
ProtocolIE-Single-Container { {DL-CCTrCH-AddInformation-RL-ReconfPrepTDD-IEs} }

DL-CCTrCH-AddInformation-RL-ReconfPrepTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-DL-CCTrCH-InformationAddItem-RL-ReconfPrepTDD   CRITICALITY notify  TYPE DL-CCTrCH-
InformationAddItem-RL-ReconfPrepTDD PRESENCE mandatory   }
}


DL-CCTrCH-InformationAddItem-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID                  CCTrCH-ID,
    tFCS                       TFCS,
    tFCI-Coding                TFCI-Coding,
    punctureLimit              PunctureLimit,
    cCTrCH-TPCList             CCTrCH-TPCAddList-RL-ReconfPrepTDD OPTIONAL,
    iE-Extensions              ProtocolExtensionContainer { {DL-CCTrCH-InformationAddItem-RL-
ReconfPrepTDD-ExtIEs} } OPTIONAL,
    ...
}


DL-CCTrCH-InformationAddItem-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
```

```
      { ID id-TDD-TPC-DownlinkStepSize-InformationAdd-RL-ReconfPrepTDD   CRITICALITY reject
        EXTENSION   TDD-TPC-DownlinkStepSize   PRESENCE optional   },
    ...
}

CCTrCH-TPCAddList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfCCTrCHs)) OF CCTrCH-TPCAddItem-RL-
ReconfPrepTDD

CCTrCH-TPCAddItem-RL-ReconfPrepTDD   ::= SEQUENCE {
    cCTrCH-ID                     CCTrCH-ID,
    iE-Extensions                 ProtocolExtensionContainer { { CCTrCH-TPCAddItem-RL-
ReconfPrepTDD-ExtIEs} } OPTIONAL,
    ...
}

CCTrCH-TPCAddItem-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD        ::= SEQUENCE (SIZE (0..maxNrOfCCTrCHs)) OF
ProtocolIE-Single-Container { {DL-CCTrCH-ModifyInformation-RL-ReconfPrepTDD-IEs} }

DL-CCTrCH-ModifyInformation-RL-ReconfPrepTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-DL-CCTrCH-InformationModifyItem-RL-ReconfPrepTDD   CRITICALITY notify  TYPE DL-CCTrCH-
InformationModifyItem-RL-ReconfPrepTDD  PRESENCE mandatory  }
}

DL-CCTrCH-InformationModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID                     CCTrCH-ID,
    tFCS                          TFCS          OPTIONAL,
    tFCI-Coding                   TFCI-Coding             OPTIONAL,
    punctureLimit                 PunctureLimit           OPTIONAL,
    cCTrCH-TPCList                CCTrCH-TPCModifyList-RL-ReconfPrepTDD       OPTIONAL,
    iE-Extensions                 ProtocolExtensionContainer { {DL-CCTrCH-InformationModifyItem-
RL-ReconfPrepTDD-ExtIEs} } OPTIONAL,
    ...
}

DL-CCTrCH-InformationModifyItem-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-TDD-TPC-DownlinkStepSize-InformationModify-RL-ReconfPrepTDD  CRITICALITY reject
        EXTENSION   TDD-TPC-DownlinkStepSize   PRESENCE optional},
    ...
}

CCTrCH-TPCModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfCCTrCHs)) OF CCTrCH-
TPCModifyItem-RL-ReconfPrepTDD

CCTrCH-TPCModifyItem-RL-ReconfPrepTDD   ::= SEQUENCE {
    cCTrCH-ID                     CCTrCH-ID,
    iE-Extensions                 ProtocolExtensionContainer { { CCTrCH-TPCModifyItem-RL-
ReconfPrepTDD-ExtIEs} } OPTIONAL,
    ...
}

CCTrCH-TPCModifyItem-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD        ::= SEQUENCE (SIZE (0..maxNrOfCCTrCHs)) OF
ProtocolIE-Single-Container { {DL-CCTrCH-DeleteInformation-RL-ReconfPrepTDD-IEs} }

DL-CCTrCH-DeleteInformation-RL-ReconfPrepTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-DL-CCTrCH-InformationDeleteItem-RL-ReconfPrepTDD   CRITICALITY notify  TYPE DL-CCTrCH-
InformationDeleteItem-RL-ReconfPrepTDD  PRESENCE mandatory  }
}

DL-CCTrCH-InformationDeleteItem-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID                     CCTrCH-ID,
    iE-Extensions                 ProtocolExtensionContainer { {DL-CCTrCH-InformationDeleteItem-
RL-ReconfPrepTDD-ExtIEs} } OPTIONAL,
    ...
}

DL-CCTrCH-InformationDeleteItem-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}
```

```
DCH-DeleteList-RL-ReconfPrepTDD                ::= SEQUENCE (SIZE (0..maxNrOfDCHs)) OF DCH-DeleteItem-
RL-ReconfPrepTDD

DCH-DeleteItem-RL-ReconfPrepTDD ::= SEQUENCE {
    dCH-ID                      DCH-ID,
    iE-Extensions               ProtocolExtensionContainer { {DCH-DeleteItem-RL-ReconfPrepTDD-
ExtIEs} } OPTIONAL,
    ...
}

DCH-DeleteItem-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

DSCH-ModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE(0..maxNoOfDSCHs)) OF DSCH-ModifyItem-RL-
ReconfPrepTDD

DSCH-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    dSCH-ID                      DSCH-ID,
    dl-ccTrCHID                  CCTrCH-ID                        OPTIONAL,
    trChSourceStatisticsDescriptor    TrCH-SrcStatisticsDescr OPTIONAL,
    transportFormatSet           TransportFormatSet               OPTIONAL,
    allocationRetentionPriority  AllocationRetentionPriority      OPTIONAL,
    schedulingPriorityIndicator  SchedulingPriorityIndicator      OPTIONAL,
    bLER                         BLER                             OPTIONAL,
    transportBearerRequestIndicator    TransportBearerRequestIndicator,
    iE-Extensions                ProtocolExtensionContainer { {DSCH-ModifyItem-RL-ReconfPrepTDD-
ExtIEs} } OPTIONAL,
    ...
}

DSCH-ModifyItem-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-TrafficClass         CRITICALITY ignore  EXTENSION TrafficClass          PRESENCE
optional    }|
    { ID id-BindingID            CRITICALITY ignore     EXTENSION  BindingID
PRESENCE    optional    }|
    -- Shall be ignored if bearer establishment with ALCAP.
    { ID id-TransportLayerAddress        CRITICALITY ignore     EXTENSION
    TransportLayerAddress        PRESENCE    optional    },
    -- Shall be ignored if bearer establishment with ALCAP.
    ...
}

DSCH-DeleteList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE(0..maxNoOfDSCHs)) OF DSCH-DeleteItem-RL-
ReconfPrepTDD

DSCH-DeleteItem-RL-ReconfPrepTDD ::= SEQUENCE {
    dSCH-ID                      DSCH-ID,
    iE-Extensions                ProtocolExtensionContainer { {DSCH-DeleteItem-RL-ReconfPrepTDD-
ExtIEs} } OPTIONAL,
    ...
}

DSCH-DeleteItem-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

USCH-ModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE(0..maxNoOfUSCHs)) OF USCH-ModifyItem-RL-
ReconfPrepTDD

USCH-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    uSCH-ID                      USCH-ID,
    ul-ccTrCHID                  CCTrCH-ID                        OPTIONAL,
    trChSourceStatisticsDescriptor    TrCH-SrcStatisticsDescr OPTIONAL,
    transportFormatSet           TransportFormatSet               OPTIONAL,
    allocationRetentionPriority  AllocationRetentionPriority      OPTIONAL,
    schedulingPriorityIndicator  SchedulingPriorityIndicator      OPTIONAL,
    bLER                         BLER                             OPTIONAL,
    transportBearerRequestIndicator    TransportBearerRequestIndicator,
    rb-Info                      RB-Info                          OPTIONAL,
    iE-Extensions                ProtocolExtensionContainer { {USCH-ModifyItem-RL-
ReconfPrepTDD-ExtIEs} } OPTIONAL,
    ...
}

USCH-ModifyItem-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-TrafficClass         CRITICALITY ignore  EXTENSION TrafficClass          PRESENCE
optional    }|
```

```
    { ID id-BindingID                    CRITICALITY ignore EXTENSION  BindingID  PRESENCE
    optional    }|
    -- Shall be ignored if bearer establishment with ALCAP.
    { ID id-TransportLayerAddress        CRITICALITY ignore        EXTENSION
    TransportLayerAddress       PRESENCE    optional    }|
    -- Shall be ignored if bearer establishment with ALCAP.
    { ID id-TnlQos                       CRITICALITY   ignore    EXTENSION  TnlQos     PRESENCE
        optional    },
    ...
}

USCH-DeleteList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE(0..maxNoOfUSCHs)) OF USCH-DeleteItem-RL-
ReconfPrepTDD

USCH-DeleteItem-RL-ReconfPrepTDD ::= SEQUENCE {
    uSCH-ID                         USCH-ID,
    iE-Extensions                   ProtocolExtensionContainer { {USCH-DeleteItem-RL-ReconfPrepTDD-
ExtIEs} } OPTIONAL,
    ...
}

USCH-DeleteItem-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

RadioLinkReconfigurationPrepareTDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-PrimaryCCPCH-RSCP-RL-ReconfPrepTDD                    CRITICALITY ignore    EXTENSION
    PrimaryCCPCH-RSCP   PRESENCE optional   }|
    { ID id-DL-TimeSlot-ISCP-Info-RL-ReconfPrepTDD               CRITICALITY ignore    EXTENSION
    DL-TimeSlot-ISCP-Info   PRESENCE optional   }|
    { ID id-DL-Timeslot-ISCP-LCR-Information-RL-ReconfPrepTDD   CRITICALITY ignore    EXTENSION
    DL-TimeSlot-ISCP-LCR-Information    PRESENCE optional   }|
    { ID id-HSDSCH-TDD-Information                                CRITICALITY reject    EXTENSION
HSDSCH-TDD-Information       PRESENCE optional}|
    { ID id-HSDSCH-Information-to-Modify                         CRITICALITY reject    EXTENSION
HSDSCH-Information-to-Modify        PRESENCE optional}|
    { ID id-HSDSCH-MACdFlows-to-Add           CRITICALITY reject      EXTENSION HSDSCH-TDD-
MACdFlows-Information       PRESENCE optional}|
    { ID id-HSDSCH-MACdFlows-to-Delete        CRITICALITY reject      EXTENSION HSDSCH-MACdFlows-
to-Delete   PRESENCE optional}|
    { ID id-HSPDSCH-RL-ID                           CRITICALITY reject    EXTENSION RL-ID
    PRESENCE optional}|
    { ID id-PDSCH-RL-ID             CRITICALITY ignore        EXTENSION RL-ID     PRESENCE
optional }|
    { ID id-UL-Synchronisation-Parameters-LCR        CRITICALITY ignore     EXTENSION   UL-
Synchronisation-Parameters-LCR      PRESENCE    optional    }| -- Mandatory for 1.28Mcps TDD, Not
Applicable to 3.84Mcps TDD
    { ID id-RL-Information-RL-ReconfPrepTDD     CRITICALITY ignore     EXTENSION   RL-Information-
RL-ReconfPrepTDD        PRESENCE    optional    },
    ...
}


RL-Information-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfRLs)) OF RL-InformationIE-RL-
ReconfPrepTDD

RL-InformationIE-RL-ReconfPrepTDD ::= SEQUENCE {
    rL-ID                           RL-ID,
    rL-Specific-DCH-Info            RL-Specific-DCH-Info            OPTIONAL,
    iE-Extensions                   ProtocolExtensionContainer { { RL-InformationIE-RL-
ReconfPrepTDD-ExtIEs} }     OPTIONAL,
    ...
}

RL-InformationIE-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}
```

/* partly omitted */

## 9.3.4    Information Element Definitions

```
-- **************************************************************
--
-- Information Element Definitions
--
-- **************************************************************

RNSAP-IEs {
itu-t (0) identified-organization (4) etsi (0) mobileDomain (0)
umts-Access (20) modules (3) rnsap (1) version1 (1) rnsap-IEs (2) }

DEFINITIONS AUTOMATIC TAGS ::=

BEGIN

IMPORTS
    maxCodeNumComp-1,
    maxNrOfFACHs,
    maxFACHCountPlus1,
    maxIBSEG,
    maxNoOfDSCHs,
    maxNoOfDSCHs-1,
    maxNoOfUSCHs,
    maxNoTFCIGroups,
    maxNoCodeGroups,
    maxNrOfDCHs,
    maxNrOfDL-Codes,
    maxNrOfDLTs,
    maxNrOfDLTsLCR,
    maxNrOfDPCHs,
    maxNrOfDPCHsLCR,
    maxNrOfErrors,
    maxNrOfFDDNeighboursPerRNC,
    maxNrOfMACcshSDU-Length,
    maxNrOfNeighbouringRNCs,
    maxNrOfTDDNeighboursPerRNC,
    maxNrOfLCRTDDNeighboursPerRNC,
    maxNrOfTS,
    maxNrOfULTs,
    maxNrOfULTsLCR,
    maxNrOfGSMNeighboursPerRNC,
    maxRateMatching,
    maxNrOfPoints,
    maxNoOfRB,
    maxNrOfRLs,
    maxNrOfTFCs,
    maxNrOfTFs,
    maxCTFC,
    maxRNCinURA-1,
    maxNrOfSCCPCHs,
    maxTFCI1Combs,
    maxTFCI2Combs,
    maxTFCI2Combs-1,
    maxTGPS,
    maxTTI-Count,
    maxNoGPSTypes,
    maxNoSat,
    maxNrOfSNAs,
    maxNrOfHARQProc,
    maxNrOfHSSCCHCodes,
    maxNrOfMACdFlows,
    maxNrOfMACdFlows-1,
    maxNrOfPDUIndexes,
    maxNrOfPDUIndexes-1,
    maxNrOfPrioQueues,
    maxNrOfPrioQueues-1,
    maxNrOfPriorityClasses,
    maxNrOfSatAlmanac-maxNoSat,

    id-Allowed-Rate-Information,
    id-AntennaColocationIndicator,
    id-BindingID,
    id-Cell-Capacity-Class-Value,
    id-CellCapabilityContainer-FDD,
    id-CellCapabilityContainer-TDD,
    id-CellCapabilityContainer-TDD-LCR,
```

```
    id-CoverageIndicator,
    id-DPC-Mode-Change-SupportIndicator,
    id-DSCH-Specific-FDD-Additional-List,
    id-GERAN-Cell-Capability,
    id-GERAN-Classmark,
    id-Guaranteed-Rate-Information,
    id-HCS-Prio,
    id-Load-Value,
    id-Load-Value-IncrDecrThres,
    id-Neighbouring-GSM-CellInformation,
    id-Neighbouring-UMTS-CellInformationItem,
    id-neighbouring-LCR-TDD-CellInformation,
    id-NRT-Load-Information-Value,
    id-NRT-Load-Information-Value-IncrDecrThres,
    id-OnModification,
    id-Received-Total-Wideband-Power-Value,
    id-Received-Total-Wideband-Power-Value-IncrDecrThres,
    id-RT-Load-Value,
    id-RT-Load-Value-IncrDecrThres,
    id-SFNSFNMeasurementThresholdInformation,
    id-SNA-Information,
    id-TrafficClass,
    id-Transmitted-Carrier-Power-Value,
    id-Transmitted-Carrier-Power-Value-IncrDecrThres,
    id-TUTRANGPSMeasurementThresholdInformation,
    id-UL-Timeslot-ISCP-Value,
    id-UL-Timeslot-ISCP-Value-IncrDecrThres,
    maxNrOfLevels,
    maxNrOfMeasNCell,
    maxNrOfMeasNCell-1,
    id-MessageStructure,
    id-EnhancedDSCHPC,
    id-RestrictionStateIndicator,
    id-Rx-Timing-Deviation-Value-LCR,
    id-TransportLayerAddress,
    id-TypeOfError,
    id-Angle-Of-Arrival-Value-LCR,
    id-IPDL-TDD-ParametersLCR,
    id-DSCH-InitialWindowSize,
    id-Maximum-DL-Power-TimeslotLCR-InformationItem,
    id-Minimum-DL-Power-TimeslotLCR-InformationItem,
    id-HS-SICH-Reception-Quality,
    id-HS-SICH-Reception-Quality-Measurement-Value,
    id-ExtendedGSMCellIndividualOffset,
    id-Unidirectional-DCH-Indicator,
    id-RTLoadValue,
    id-NRTLoadInformationValue,
    id-Satellite-Almanac-Information-ExtItem,
    id-TnlQos

FROM RNSAP-Constants

    Criticality,
    ProcedureID,
    ProtocolIE-ID,
    TransactionID,
    TriggeringMessage
FROM RNSAP-CommonDataTypes

    ProtocolIE-Single-Container{},
    ProtocolExtensionContainer{},
    RNSAP-PROTOCOL-IES,
    RNSAP-PROTOCOL-EXTENSION
FROM RNSAP-Containers;

/* partly omitted */

-- H

HARQ-MemoryPartitioning ::= CHOICE {
    implicit        HARQ-MemoryPartitioning-Implicit,
    explicit        HARQ-MemoryPartitioning-Explicit,
    ...
    }

HARQ-MemoryPartitioning-Implicit    ::= SEQUENCE {
    number-of-Processes         INTEGER (1..8,...),
```

```
    iE-Extensions               ProtocolExtensionContainer { { HARQ-MemoryPartitioning-Implicit-
ExtIEs } }          OPTIONAL,
    ...
}

HARQ-MemoryPartitioning-Implicit-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

HARQ-MemoryPartitioning-Explicit    ::= SEQUENCE {
    hARQ-MemoryPartitioningList      HARQ-MemoryPartitioningList,
    iE-Extensions                    ProtocolExtensionContainer { { HARQ-MemoryPartitioning-
Explicit-ExtIEs } }        OPTIONAL,
    ...
}

HARQ-MemoryPartitioning-Explicit-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

HARQ-MemoryPartitioningList ::= SEQUENCE (SIZE (1..maxNrOfHARQProc)) OF HARQ-MemoryPartitioningItem

HARQ-MemoryPartitioningItem ::= SEQUENCE {
    process-Memory-Size              ENUMERATED {
                                     hms800, hms1600, hms2400, hms3200, hms4000,
                                     hms4800, hms5600, hms6400, hms7200, hms8000,
                                     hms8800, hms9600, hms10400, hms11200, hms12000,
                                     hms12800, hms13600, hms14400, hms15200, hms16000,
                                     hms17600, hms19200, hms20800, hms22400, hms24000,
                                     hms25600, hms27200, hms28800, hms30400, hms32000,
                                     hms36000, hms40000, hms44000, hms48000, hms52000,
                                     hms56000, hms60000, hms64000, hms68000, hms72000,
                                     hms76000, hms80000, hms88000, hms96000, hms104000,
                                     hms112000, hms120000, hms128000, hms136000, hms144000,
                                     hms152000, hms160000, hms176000, hms192000, hms208000,
                                     hms224000, hms240000, hms256000, hms272000, hms288000,
                                     hms304000,...},
    iE-Extensions                    ProtocolExtensionContainer { { HARQ-MemoryPartitioningItem-
ExtIEs } }          OPTIONAL,
    ...
}

HARQ-MemoryPartitioningItem-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}
HCS-Prio    ::= INTEGER (0..7)
-- 0 = lowest priority, ...7 = highest priority

HSDSCH-FDD-Information ::= SEQUENCE {
    hSDSCH-MACdFlows-Information            HSDSCH-MACdFlows-Information,
    uE-Capabilities-Info                   UE-Capabilities-Info,
    cqiFeedback-CycleK                     CQI-Feedback-Cycle,
    cqiRepetitionFactor                    CQI-RepetitionFactor           OPTIONAL,
    -- This IE shall be present if the CQI Feedback Cycle k IE is set to a value greater than 0.
    ackNackRepetitionFactor                AckNack-RepetitionFactor,
    cqiPowerOffset                         CQI-Power-Offset,
    ackPowerOffset                         Ack-Power-Offset,
    nackPowerOffset                        Nack-Power-Offset,
    hsscch-PowerOffset                     HSSCCH-PowerOffset             OPTIONAL,
    iE-Extensions                          ProtocolExtensionContainer { { HSDSCH-FDD-Information-
ExtIEs } }          OPTIONAL,
    ...
}

HSDSCH-FDD-Information-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

HSDSCH-FDD-Information-Response ::= SEQUENCE {
    hSDSCH-MACdFlow-Specific-InfoList-Response    HSDSCH-MACdFlow-Specific-InfoList-Response
                                         OPTIONAL,
    hSSCCH-Specific-InfoList-Response             HSSCCH-FDD-Specific-InfoList-Response
                                         OPTIONAL,
    measurement-Power-Offset                      Measurement-Power-Offset
                                         OPTIONAL,
    hARQ-MemoryPartitioning                       HARQ-MemoryPartitioning
                                         OPTIONAL,
```

```
    iE-Extensions                               ProtocolExtensionContainer { { HSDSCH-FDD-
Information-Response-ExtIEs } }      OPTIONAL,
    ...
}

HSDSCH-FDD-Information-Response-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

HSDSCH-Information-to-Modify ::= SEQUENCE {
    hSDSCH-MACdFlow-Specific-InfoList-to-Modify    HSDSCH-MACdFlow-Specific-InfoList-to-Modify
            OPTIONAL,
    priorityQueue-Info-to-Modify                   PriorityQueue-InfoList-to-Modify
    OPTIONAL,
    mAChs-Reordering-Buffer-Size                   MAChsReorderingBufferSize          OPTIONAL,
    cqiFeedback-CycleK                             CQI-Feedback-Cycle          OPTIONAL,   --
For FDD only
    cqiRepetitionFactor                            CQI-RepetitionFactor        OPTIONAL,   --
For FDD only
    ackNackRepetitionFactor                        AckNack-RepetitionFactor    OPTIONAL,   --
For FDD only
    cqiPowerOffset                                 CQI-Power-Offset            OPTIONAL,   --
For FDD only
    ackPowerOffset                                 Ack-Power-Offset            OPTIONAL,   --
For FDD only
    nackPowerOffset                                Nack-Power-Offset           OPTIONAL,   --
For FDD only
    hsscch-PowerOffset                             HSSCCH-PowerOffset          OPTIONAL,   --
Only for FDD
    hSSCCH-CodeChangeGrant                         HSSCCH-Code-Change-Grant    OPTIONAL,
    tDDAckNackPowerOffset                          TDD-AckNack-Power-Offset    OPTIONAL,   --
For TDD only
    iE-Extensions                                  ProtocolExtensionContainer { { HSDSCH-
Information-to-Modify-ExtIEs } }           OPTIONAL,
    ...
}

HSDSCH-Information-to-Modify-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

HSDSCH-Information-to-Modify-Unsynchronised ::= SEQUENCE {
    hSDSCH-MACdFlow-Specific-InfoList-to-Modify    HSDSCH-MACdFlow-Specific-InfoList-to-Modify
            OPTIONAL,
    priorityQueueInfotoModifyUnsynchronised        PriorityQueue-InfoList-to-Modify-Unsynchronised
    cqiPowerOffset                                 CQI-Power-Offset            OPTIONAL,   --
For FDD only
    ackPowerOffset                                 Ack-Power-Offset            OPTIONAL,   --
For FDD only
    nackPowerOffset                                Nack-Power-Offset           OPTIONAL,   --
For FDD only
    hsscch-PowerOffset                             HSSCCH-PowerOffset          OPTIONAL,   --
Only for FDD
    tDDAckNackPowerOffset                          TDD-AckNack-Power-Offset    OPTIONAL,   --
For TDD only
    iE-Extensions                                  ProtocolExtensionContainer { { HSDSCH-
Information-to-Modify-Unsynchronised-ExtIEs } }        OPTIONAL,
    ...
}

HSDSCH-Information-to-Modify-Unsynchronised-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

HSDSCH-MACdFlow-ID ::= INTEGER (0..maxNrOfMACdFlows-1)

HSDSCH-MACdFlow-Specific-InfoList ::= SEQUENCE (SIZE (1..maxNrOfMACdFlows)) OF HSDSCH-MACdFlow-
Specific-InfoItem

HSDSCH-MACdFlow-Specific-InfoItem ::= SEQUENCE {
    hSDSCH-MACdFlow-ID                 HSDSCH-MACdFlow-ID,
    allocationRetentionPriority        AllocationRetentionPriority,
    trafficClass                       TrafficClass,
    bindingID                          BindingID                         OPTIONAL,
    transportLayerAddress              TransportLayerAddress             OPTIONAL,
    iE-Extensions                      ProtocolExtensionContainer { { HSDSCH-MACdFlow-Specific-
InfoItem-ExtIEs } }          OPTIONAL,
    ...
```

```
}

HSDSCH-MACdFlow-Specific-InfoItem-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

HSDSCH-MACdFlow-Specific-InfoList-Response ::= SEQUENCE (SIZE (0..maxNrOfMACdFlows)) OF HSDSCH-
MACdFlow-Specific-InfoItem-Response

HSDSCH-MACdFlow-Specific-InfoItem-Response ::= SEQUENCE {
    hSDSCH-MACdFlow-ID                 HSDSCH-MACdFlow-ID,
    bindingID                          BindingID                               OPTIONAL,
    transportLayerAddress              TransportLayerAddress                   OPTIONAL,
    hSDSCH-Initial-Capacity-Allocation HSDSCH-Initial-Capacity-Allocation      OPTIONAL,
    iE-Extensions                      ProtocolExtensionContainer { { HSDSCH-MACdFlow-Specific-
InfoItem-Response-ExtIEs } }         OPTIONAL,
    ...
}

HSDSCH-MACdFlow-Specific-InfoItem-Response-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

HSDSCH-MACdFlow-Specific-InfoList-to-Modify ::= SEQUENCE (SIZE (1..maxNrOfMACdFlows)) OF HSDSCH-
MACdFlow-Specific-InfoItem-to-Modify

HSDSCH-MACdFlow-Specific-InfoItem-to-Modify ::= SEQUENCE {
    hSDSCH-MACdFlow-ID                 HSDSCH-MACdFlow-ID,
    allocationRetentionPriority        AllocationRetentionPriority             OPTIONAL,
    transportBearerRequestIndicator    TransportBearerRequestIndicator,
    trafficClass                       TrafficClass                            OPTIONAL,
    bindingID                          BindingID                               OPTIONAL,
    transportLayerAddress              TransportLayerAddress                   OPTIONAL,
    iE-Extensions                      ProtocolExtensionContainer { { HSDSCH-MACdFlow-Specific-
InfoItem-to-Modify-ExtIEs } }        OPTIONAL,
    ...
}

HSDSCH-MACdFlow-Specific-InfoItem-to-Modify-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

HSDSCH-MACdFlows-Information ::= SEQUENCE {
    hSDSCH-MACdFlow-Specific-Info             HSDSCH-MACdFlow-Specific-InfoList,
    priorityQueue-Info                        PriorityQueue-InfoList,
    iE-Extensions                             ProtocolExtensionContainer { { HSDSCH-MACdFlows-
to-AddInformation-ExtIEs } }        OPTIONAL,
    ...
}


HSDSCH-MACdFlows-Information-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

/* partly omitted */
```

CR-Form-v7

# CHANGE REQUEST

| ⌘ | **25.423** | CR | **922** | ⌘rev | **-** | ⌘ | Current version: | **6.0.0** | ⌘ |

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

**Proposed change affects:** UICC apps⌘ ☐   ME ☐   Radio Access Network **X**   Core Network ☐

| | | |
|---|---|---|
| ***Title:*** | ⌘ | Correction of ASN.1 code |
| ***Source:*** | ⌘ | RAN3 |
| ***Work item code:***⌘ | TEI5 | ***Date:*** ⌘  11/2/2004 |
| ***Category:*** ⌘ | **A** | ***Release:*** ⌘  Rel-6 |

Use <u>one</u> of the following categories:
  **F** (correction)
  **A** (corresponds to a correction 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 <u>TR 21.900</u>.

Use <u>one</u> of the following releases:
  2    (GSM Phase 2)
  R96  (Release 1996)
  R97  (Release 1997)
  R98  (Release 1998)
  R99  (Release 1999)
  Rel-4  (Release 4)
  Rel-5  (Release 5)
  Rel-6  (Release 6)

| | |
|---|---|
| ***Reason for change:*** ⌘ | Three errors were found in the ASN.1 code when reviewing v5.7.0 of 25.423. The errors are: |

1. Undefined IE: HSDSCH-TDD-MACdFlows-Information in RadioLinkReconfigurationPrepareTDD-Extensions.

2. Undefined IE: HSDSCH-MACdFlows-to-Add-ExtIEs in HSDSCH-MACdFlows-Information.

3. id-TnlQos is used in the Information Element Definitions module but not imported.

| | |
|---|---|
| ***Summary of change:***⌘ | The following corrections have been done in the ASN.1: |

HSDSCH-TDD-MACdFlows-Information has been changed to HSDSCH-MACdFlows-Information in RadioLinkReconfigurationPrepareTDD-Extensions.

HSDSCH-MACdFlows-to-Add-ExtIEs has been changed to HSDSCH-MACdFlows-Information-ExtIEs in HSDSCH-MACdFlows-Information.

id-TnlQos added to the RNSAP-IEs imported to the Information Element Definitions module.

<u>Impact assessment towards the previous version of the specification (same release):</u>

This CR has impact on the previous version of the specification (same release). This CR has an impact under the protocol point of view.

The impact affects the ASN.1 code.

| Consequences if not approved: | ⌘ The ASN.1 code will remain incorrect for 25.423. |
|---|---|

| Clauses affected: | ⌘ | 9.3.3, 9.3.4 | | | |
|---|---|---|---|---|---|
| | | **Y** | **N** | | |
| Other specs affected: | ⌘ | X | | Other core specifications | ⌘ 25.423 v 5.8.0 CR921 |
| | | | X | Test specifications | |
| | | | X | O&M Specifications | |
| Other comments: | ⌘ | | | | |

## How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm.  Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks"  feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text.  Delete those parts of the specification which are not relevant to the change request.

## 9.3.3    PDU Definitions

```
-- **************************************************************
--
-- PDU definitions for RNSAP.
--
-- **************************************************************

/* partly omitted */

-- **************************************************************
--
-- RADIO LINK RECONFIGURATION PREPARE TDD
--
-- **************************************************************

RadioLinkReconfigurationPrepareTDD ::= SEQUENCE {
    protocolIEs                     ProtocolIE-Container        {{RadioLinkReconfigurationPrepareTDD-
IEs}},
    protocolExtensions              ProtocolExtensionContainer {{RadioLinkReconfigurationPrepareTDD-
Extensions}}                OPTIONAL,
    ...
}

RadioLinkReconfigurationPrepareTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-AllowedQueuingTime          CRITICALITY reject  TYPE AllowedQueuingTime
    PRESENCE optional   } |
    { ID id-UL-CCTrCH-InformationAddList-RL-ReconfPrepTDD   CRITICALITY notify  TYPE UL-CCTrCH-
InformationAddList-RL-ReconfPrepTDD PRESENCE optional    } |
    { ID id-UL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD    CRITICALITY notify  TYPE UL-CCTrCH-
InformationModifyList-RL-ReconfPrepTDD  PRESENCE optional    } |
    { ID id-UL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD    CRITICALITY notify  TYPE UL-CCTrCH-
InformationDeleteList-RL-ReconfPrepTDD PRESENCE optional    } |
    { ID id-DL-CCTrCH-InformationAddList-RL-ReconfPrepTDD   CRITICALITY notify  TYPE DL-CCTrCH-
InformationAddList-RL-ReconfPrepTDD PRESENCE optional    } |
    { ID id-DL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD    CRITICALITY notify  TYPE DL-CCTrCH-
InformationModifyList-RL-ReconfPrepTDD  PRESENCE optional    } |
    { ID id-DL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD    CRITICALITY notify  TYPE DL-CCTrCH-
InformationDeleteList-RL-ReconfPrepTDD PRESENCE optional    } |
    { ID id-TDD-DCHs-to-Modify      CRITICALITY reject  TYPE TDD-DCHs-to-Modify      PRESENCE
optional    } |
    { ID id-DCHs-to-Add-TDD     CRITICALITY reject  TYPE DCH-TDD-Information         PRESENCE
optional    } |
    { ID id-DCH-DeleteList-RL-ReconfPrepTDD     CRITICALITY reject  TYPE DCH-DeleteList-RL-
ReconfPrepTDD       PRESENCE optional   }|
    { ID id-DSCH-ModifyList-RL-ReconfPrepTDD    CRITICALITY reject  TYPE DSCH-ModifyList-RL-
ReconfPrepTDD       PRESENCE optional   } |
    { ID id-DSCHs-to-Add-TDD        CRITICALITY reject  TYPE DSCH-TDD-Information        PRESENCE
optional    } |
    { ID id-DSCH-DeleteList-RL-ReconfPrepTDD    CRITICALITY reject  TYPE DSCH-DeleteList-RL-
ReconfPrepTDD       PRESENCE optional   } |
    { ID id-USCH-ModifyList-RL-ReconfPrepTDD    CRITICALITY reject  TYPE USCH-ModifyList-RL-
ReconfPrepTDD       PRESENCE optional   } |
    { ID id-USCHs-to-Add        CRITICALITY reject  TYPE USCH-Information        PRESENCE
optional    } |
    { ID id-USCH-DeleteList-RL-ReconfPrepTDD    CRITICALITY reject  TYPE USCH-DeleteList-RL-
ReconfPrepTDD       PRESENCE optional   },
    ...
}

UL-CCTrCH-InformationAddList-RL-ReconfPrepTDD       ::= SEQUENCE (SIZE (0..maxNrOfCCTrCHs)) OF
ProtocolIE-Single-Container { {UL-CCTrCH-AddInformation-RL-ReconfPrepTDD-IEs} }

UL-CCTrCH-AddInformation-RL-ReconfPrepTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-UL-CCTrCH-AddInformation-RL-ReconfPrepTDD   CRITICALITY notify  TYPE UL-CCTrCH-
AddInformation-RL-ReconfPrepTDD PRESENCE mandatory  }
}

UL-CCTrCH-AddInformation-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID                   CCTrCH-ID,
    tFCS                        TFCS,
    tFCI-Coding                 TFCI-Coding,
    punctureLimit               PunctureLimit,
    iE-Extensions               ProtocolExtensionContainer { {UL-CCTrCH-AddInformation-RL-
ReconfPrepTDD-ExtIEs} } OPTIONAL,
    ...
}
```

```
UL-CCTrCH-AddInformation-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-UL-SIRTarget        CRITICALITY reject      EXTENSION      UL-SIR      PRESENCE
optional}|
    -- This IE shall be mandatory for 1.28Mcps TDD, not applicable for 3.84Mcps TDD.
    { ID id-TDD-TPC-UplinkStepSize-InformationAdd-LCR-RL-ReconfPrepTDD CRITICALITY reject
        EXTENSION TDD-TPC-UplinkStepSize-LCR    PRESENCE optional   },
    -- Mandatory for 1.28Mcps TDD, not applicable to 3.84Mcps TDD
    ...
}

UL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD        ::= SEQUENCE (SIZE (0..maxNrOfCCTrCHs)) OF
ProtocolIE-Single-Container { {UL-CCTrCH-ModifyInformation-RL-ReconfPrepTDD-IEs} }

UL-CCTrCH-ModifyInformation-RL-ReconfPrepTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-UL-CCTrCH-ModifyInformation-RL-ReconfPrepTDD   CRITICALITY notify  TYPE UL-CCTrCH-
ModifyInformation-RL-ReconfPrepTDD  PRESENCE mandatory  }
}

UL-CCTrCH-ModifyInformation-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID                   CCTrCH-ID,
    tFCS                        TFCS        OPTIONAL,
    tFCI-Coding                 TFCI-Coding         OPTIONAL,
    punctureLimit               PunctureLimit           OPTIONAL,
    iE-Extensions               ProtocolExtensionContainer { {UL-CCTrCH-ModifyInformation-RL-
ReconfPrepTDD-ExtIEs} } OPTIONAL,
    ...
}

UL-CCTrCH-ModifyInformation-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-UL-SIRTarget        CRITICALITY reject      EXTENSION      UL-SIR      PRESENCE
optional}|
    -- This IE shall be applicable for 1.28Mcps TDD only.
    { ID id-TDD-TPC-UplinkStepSize-InformationModify-LCR-RL-ReconfPrepTDD  CRITICALITY reject
        EXTENSION  TDD-TPC-UplinkStepSize-LCR       PRESENCE optional   },
    -- Applicable to 1.28Mcps TDD only
    ...
}

UL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD        ::= SEQUENCE (SIZE (0..maxNrOfCCTrCHs)) OF
ProtocolIE-Single-Container { {UL-CCTrCH-DeleteInformation-RL-ReconfPrepTDD-IEs} }

UL-CCTrCH-DeleteInformation-RL-ReconfPrepTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-UL-CCTrCH-DeleteInformation-RL-ReconfPrepTDD   CRITICALITY notify  TYPE UL-CCTrCH-
DeleteInformation-RL-ReconfPrepTDD  PRESENCE mandatory  }
}

UL-CCTrCH-DeleteInformation-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID                   CCTrCH-ID,
    iE-Extensions               ProtocolExtensionContainer { {UL-CCTrCH-DeleteInformation-RL-
ReconfPrepTDD-ExtIEs} } OPTIONAL,
    ...
}

UL-CCTrCH-DeleteInformation-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-CCTrCH-InformationAddList-RL-ReconfPrepTDD       ::= SEQUENCE (SIZE (0..maxNrOfCCTrCHs)) OF
ProtocolIE-Single-Container { {DL-CCTrCH-AddInformation-RL-ReconfPrepTDD-IEs} }

DL-CCTrCH-AddInformation-RL-ReconfPrepTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-DL-CCTrCH-InformationAddItem-RL-ReconfPrepTDD   CRITICALITY notify  TYPE DL-CCTrCH-
InformationAddItem-RL-ReconfPrepTDD PRESENCE mandatory  }
}

DL-CCTrCH-InformationAddItem-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID                   CCTrCH-ID,
    tFCS                        TFCS,
    tFCI-Coding                 TFCI-Coding,
    punctureLimit               PunctureLimit,
    cCTrCH-TPCList              CCTrCH-TPCAddList-RL-ReconfPrepTDD OPTIONAL,
    iE-Extensions               ProtocolExtensionContainer { {DL-CCTrCH-InformationAddItem-RL-
ReconfPrepTDD-ExtIEs} } OPTIONAL,
    ...
}

DL-CCTrCH-InformationAddItem-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
```

```
    { ID id-TDD-TPC-DownlinkStepSize-InformationAdd-RL-ReconfPrepTDD    CRITICALITY reject
        EXTENSION   TDD-TPC-DownlinkStepSize    PRESENCE optional   },
    ...
}

CCTrCH-TPCAddList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfCCTrCHs)) OF CCTrCH-TPCAddItem-RL-
ReconfPrepTDD

CCTrCH-TPCAddItem-RL-ReconfPrepTDD   ::= SEQUENCE {
    cCTrCH-ID                        CCTrCH-ID,
    iE-Extensions                    ProtocolExtensionContainer { { CCTrCH-TPCAddItem-RL-
ReconfPrepTDD-ExtIEs} } OPTIONAL,
    ...
}

CCTrCH-TPCAddItem-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-CCTrCH-InformationModifyList-RL-ReconfPrepTDD        ::= SEQUENCE (SIZE (0..maxNrOfCCTrCHs)) OF
ProtocolIE-Single-Container { {DL-CCTrCH-ModifyInformation-RL-ReconfPrepTDD-IEs} }

DL-CCTrCH-ModifyInformation-RL-ReconfPrepTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-DL-CCTrCH-InformationModifyItem-RL-ReconfPrepTDD    CRITICALITY notify  TYPE DL-CCTrCH-
InformationModifyItem-RL-ReconfPrepTDD  PRESENCE mandatory  }
}

DL-CCTrCH-InformationModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID                        CCTrCH-ID,
    tFCS                             TFCS           OPTIONAL,
    tFCI-Coding                      TFCI-Coding              OPTIONAL,
    punctureLimit                    PunctureLimit             OPTIONAL,
    cCTrCH-TPCList                   CCTrCH-TPCModifyList-RL-ReconfPrepTDD      OPTIONAL,
    iE-Extensions                    ProtocolExtensionContainer { {DL-CCTrCH-InformationModifyItem-
RL-ReconfPrepTDD-ExtIEs} } OPTIONAL,
    ...
}

DL-CCTrCH-InformationModifyItem-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-TDD-TPC-DownlinkStepSize-InformationModify-RL-ReconfPrepTDD  CRITICALITY reject
        EXTENSION   TDD-TPC-DownlinkStepSize    PRESENCE optional},
    ...
}

CCTrCH-TPCModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfCCTrCHs)) OF CCTrCH-
TPCModifyItem-RL-ReconfPrepTDD

CCTrCH-TPCModifyItem-RL-ReconfPrepTDD    ::= SEQUENCE {
    cCTrCH-ID                        CCTrCH-ID,
    iE-Extensions                    ProtocolExtensionContainer { { CCTrCH-TPCModifyItem-RL-
ReconfPrepTDD-ExtIEs} } OPTIONAL,
    ...
}

CCTrCH-TPCModifyItem-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

DL-CCTrCH-InformationDeleteList-RL-ReconfPrepTDD        ::= SEQUENCE (SIZE (0..maxNrOfCCTrCHs)) OF
ProtocolIE-Single-Container { {DL-CCTrCH-DeleteInformation-RL-ReconfPrepTDD-IEs} }

DL-CCTrCH-DeleteInformation-RL-ReconfPrepTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-DL-CCTrCH-InformationDeleteItem-RL-ReconfPrepTDD    CRITICALITY notify  TYPE DL-CCTrCH-
InformationDeleteItem-RL-ReconfPrepTDD  PRESENCE mandatory  }
}

DL-CCTrCH-InformationDeleteItem-RL-ReconfPrepTDD ::= SEQUENCE {
    cCTrCH-ID                        CCTrCH-ID,
    iE-Extensions                    ProtocolExtensionContainer { {DL-CCTrCH-InformationDeleteItem-
RL-ReconfPrepTDD-ExtIEs} } OPTIONAL,
    ...
}

DL-CCTrCH-InformationDeleteItem-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}
```

```
DCH-DeleteList-RL-ReconfPrepTDD                 ::= SEQUENCE (SIZE (0..maxNrOfDCHs)) OF DCH-DeleteItem-
RL-ReconfPrepTDD

DCH-DeleteItem-RL-ReconfPrepTDD ::= SEQUENCE {
    dCH-ID                      DCH-ID,
    iE-Extensions               ProtocolExtensionContainer { {DCH-DeleteItem-RL-ReconfPrepTDD-
ExtIEs} } OPTIONAL,
    ...
}

DCH-DeleteItem-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

DSCH-ModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE(0..maxNoOfDSCHs)) OF DSCH-ModifyItem-RL-
ReconfPrepTDD

DSCH-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    dSCH-ID                         DSCH-ID,
    dl-ccTrCHID                     CCTrCH-ID                           OPTIONAL,
    trChSourceStatisticsDescriptor  TrCH-SrcStatisticsDescr OPTIONAL,
    transportFormatSet              TransportFormatSet                  OPTIONAL,
    allocationRetentionPriority     AllocationRetentionPriority     OPTIONAL,
    schedulingPriorityIndicator     SchedulingPriorityIndicator     OPTIONAL,
    bLER                            BLER                                OPTIONAL,
    transportBearerRequestIndicator TransportBearerRequestIndicator,
    iE-Extensions                   ProtocolExtensionContainer { {DSCH-ModifyItem-RL-ReconfPrepTDD-
ExtIEs} } OPTIONAL,
    ...
}

DSCH-ModifyItem-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-TrafficClass           CRITICALITY ignore  EXTENSION TrafficClass              PRESENCE
optional    }|
    { ID id-BindingID              CRITICALITY ignore    EXTENSION  BindingID
PRESENCE    optional    }|
    -- Shall be ignored if bearer establishment with ALCAP.
    { ID id-TransportLayerAddress          CRITICALITY ignore     EXTENSION
    TransportLayerAddress        PRESENCE    optional    },
    -- Shall be ignored if bearer establishment with ALCAP.
    ...
}

DSCH-DeleteList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE(0..maxNoOfDSCHs)) OF DSCH-DeleteItem-RL-
ReconfPrepTDD

DSCH-DeleteItem-RL-ReconfPrepTDD ::= SEQUENCE {
    dSCH-ID                         DSCH-ID,
    iE-Extensions                   ProtocolExtensionContainer { {DSCH-DeleteItem-RL-ReconfPrepTDD-
ExtIEs} } OPTIONAL,
    ...
}

DSCH-DeleteItem-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

USCH-ModifyList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE(0..maxNoOfUSCHs)) OF USCH-ModifyItem-RL-
ReconfPrepTDD

USCH-ModifyItem-RL-ReconfPrepTDD ::= SEQUENCE {
    uSCH-ID                         USCH-ID,
    ul-ccTrCHID                     CCTrCH-ID                           OPTIONAL,
    trChSourceStatisticsDescriptor  TrCH-SrcStatisticsDescr OPTIONAL,
    transportFormatSet              TransportFormatSet                  OPTIONAL,
    allocationRetentionPriority     AllocationRetentionPriority     OPTIONAL,
    schedulingPriorityIndicator     SchedulingPriorityIndicator     OPTIONAL,
    bLER                            BLER                                OPTIONAL,
    transportBearerRequestIndicator TransportBearerRequestIndicator,
    rb-Info                         RB-Info                             OPTIONAL,
    iE-Extensions                   ProtocolExtensionContainer { {USCH-ModifyItem-RL-
ReconfPrepTDD-ExtIEs} } OPTIONAL,
    ...
}

USCH-ModifyItem-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-TrafficClass           CRITICALITY ignore  EXTENSION TrafficClass              PRESENCE
optional    }|
```

```
    { ID id-BindingID                CRITICALITY ignore  EXTENSION   BindingID   PRESENCE
    optional    }|
    -- Shall be ignored if bearer establishment with ALCAP.
    { ID id-TransportLayerAddress           CRITICALITY ignore      EXTENSION
    TransportLayerAddress       PRESENCE    optional    }|
    -- Shall be ignored if bearer establishment with ALCAP.
    { ID id-TnlQos                   CRITICALITY   ignore   EXTENSION   TnlQos   PRESENCE
        optional    },
    ...
}

USCH-DeleteList-RL-ReconfPrepTDD ::= SEQUENCE (SIZE(0..maxNoOfUSCHs)) OF USCH-DeleteItem-RL-
ReconfPrepTDD

USCH-DeleteItem-RL-ReconfPrepTDD ::= SEQUENCE {
    uSCH-ID                          USCH-ID,
    iE-Extensions                    ProtocolExtensionContainer { {USCH-DeleteItem-RL-ReconfPrepTDD-
ExtIEs} } OPTIONAL,
    ...
}

USCH-DeleteItem-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

RadioLinkReconfigurationPrepareTDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-PrimaryCCPCH-RSCP-RL-ReconfPrepTDD                CRITICALITY ignore    EXTENSION
    PrimaryCCPCH-RSCP   PRESENCE optional    }|
    { ID id-DL-TimeSlot-ISCP-Info-RL-ReconfPrepTDD           CRITICALITY ignore    EXTENSION
    DL-TimeSlot-ISCP-Info   PRESENCE optional    }|
    { ID id-DL-Timeslot-ISCP-LCR-Information-RL-ReconfPrepTDD   CRITICALITY ignore    EXTENSION
    DL-TimeSlot-ISCP-LCR-Information    PRESENCE optional    }|
    { ID id-HSDSCH-TDD-Information                           CRITICALITY reject    EXTENSION
HSDSCH-TDD-Information      PRESENCE optional}|
    { ID id-HSDSCH-Information-to-Modify                     CRITICALITY reject    EXTENSION
HSDSCH-Information-to-Modify        PRESENCE optional}|
    { ID id-HSDSCH-MACdFlows-to-Add            CRITICALITY reject     EXTENSION HSDSCH-TDD-
MACdFlows-Information        PRESENCE optional}|
    { ID id-HSDSCH-MACdFlows-to-Delete         CRITICALITY reject     EXTENSION HSDSCH-MACdFlows-
to-Delete   PRESENCE optional}|
    { ID id-HSPDSCH-RL-ID                      CRITICALITY reject     EXTENSION RL-ID
    PRESENCE optional}|
    { ID id-PDSCH-RL-ID            CRITICALITY ignore       EXTENSION RL-ID     PRESENCE
optional }|
    { ID id-UL-Synchronisation-Parameters-LCR           CRITICALITY ignore      EXTENSION   UL-
Synchronisation-Parameters-LCR        PRESENCE    optional    }| -- Mandatory for 1.28Mcps TDD, Not
Applicable to 3.84Mcps TDD
    { ID id-RL-Information-RL-ReconfPrepTDD     CRITICALITY ignore      EXTENSION   RL-Information-
RL-ReconfPrepTDD        PRESENCE    optional    },
    ...
}


RL-Information-RL-ReconfPrepTDD ::= SEQUENCE (SIZE (1..maxNrOfRLs)) OF RL-InformationIE-RL-
ReconfPrepTDD

RL-InformationIE-RL-ReconfPrepTDD ::= SEQUENCE {
    rL-ID                            RL-ID,
    rL-Specific-DCH-Info             RL-Specific-DCH-Info        OPTIONAL,
    iE-Extensions                    ProtocolExtensionContainer { { RL-InformationIE-RL-
ReconfPrepTDD-ExtIEs} }     OPTIONAL,
    ...
}

RL-InformationIE-RL-ReconfPrepTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}
```

/* partly omitted */

## 9.3.4 Information Element Definitions

```
-- ************************************************************
--
-- Information Element Definitions
--
-- ************************************************************

RNSAP-IEs {
itu-t (0) identified-organization (4) etsi (0) mobileDomain (0)
umts-Access (20) modules (3) rnsap (1) version1 (1) rnsap-IEs (2) }

DEFINITIONS AUTOMATIC TAGS ::=

BEGIN

IMPORTS
    maxCodeNumComp-1,
    maxNrOfFACHs,
    maxFACHCountPlus1,
    maxIBSEG,
    maxNoOfDSCHs,
    maxNoOfDSCHs-1,
    maxNoOfUSCHs,
    maxNoTFCIGroups,
    maxNoCodeGroups,
    maxNrOfDCHs,
    maxNrOfDL-Codes,
    maxNrOfDLTs,
    maxNrOfDLTsLCR,
    maxNrOfDPCHs,
    maxNrOfDPCHsLCR,
    maxNrOfErrors,
    maxNrOfFDDNeighboursPerRNC,
    maxNrOfMACcshSDU-Length,
    maxNrOfNeighbouringRNCs,
    maxNrOfTDDNeighboursPerRNC,
    maxNrOfLCRTDDNeighboursPerRNC,
    maxNrOfTS,
    maxNrOfULTs,
    maxNrOfULTsLCR,
    maxNrOfGSMNeighboursPerRNC,
    maxRateMatching,
    maxNrOfPoints,
    maxNoOfRB,
    maxNrOfRLs,
    maxNrOfTFCs,
    maxNrOfTFs,
    maxCTFC,
    maxRNCinURA-1,
    maxNrOfSCCPCHs,
    maxTFCI1Combs,
    maxTFCI2Combs,
    maxTFCI2Combs-1,
    maxTGPS,
    maxTTI-Count,
    maxNoGPSTypes,
    maxNoSat,
    maxNrOfSNAs,
    maxNrOfHARQProc,
    maxNrOfHSSCCHCodes,
    maxNrOfMACdFlows,
    maxNrOfMACdFlows-1,
    maxNrOfPDUIndexes,
    maxNrOfPDUIndexes-1,
    maxNrOfPrioQueues,
    maxNrOfPrioQueues-1,
    maxNrOfPriorityClasses,
    maxNrOfSatAlmanac-maxNoSat,

    id-Allowed-Rate-Information,
    id-AntennaColocationIndicator,
    id-BindingID,
    id-Cell-Capacity-Class-Value,
    id-CellCapabilityContainer-FDD,
    id-CellCapabilityContainer-TDD,
    id-CellCapabilityContainer-TDD-LCR,
```

```
        id-CoverageIndicator,
        id-DPC-Mode-Change-SupportIndicator,
        id-DSCH-Specific-FDD-Additional-List,
        id-GERAN-Cell-Capability,
        id-GERAN-Classmark,
        id-Guaranteed-Rate-Information,
        id-HCS-Prio,
        id-Load-Value,
        id-Load-Value-IncrDecrThres,
        id-Neighbouring-GSM-CellInformation,
        id-Neighbouring-UMTS-CellInformationItem,
        id-neighbouring-LCR-TDD-CellInformation,
        id-NRT-Load-Information-Value,
        id-NRT-Load-Information-Value-IncrDecrThres,
        id-OnModification,
        id-Received-Total-Wideband-Power-Value,
        id-Received-Total-Wideband-Power-Value-IncrDecrThres,
        id-RT-Load-Value,
        id-RT-Load-Value-IncrDecrThres,
        id-SFNSFNMeasurementThresholdInformation,
        id-SNA-Information,
        id-TrafficClass,
        id-Transmitted-Carrier-Power-Value,
        id-Transmitted-Carrier-Power-Value-IncrDecrThres,
        id-TUTRANGPSMeasurementThresholdInformation,
        id-UL-Timeslot-ISCP-Value,
        id-UL-Timeslot-ISCP-Value-IncrDecrThres,
        maxNrOfLevels,
        maxNrOfMeasNCell,
        maxNrOfMeasNCell-1,
        id-MessageStructure,
        id-EnhancedDSCHPC,
        id-RestrictionStateIndicator,
        id-Rx-Timing-Deviation-Value-LCR,
        id-TransportLayerAddress,
        id-TypeOfError,
        id-Angle-Of-Arrival-Value-LCR,
        id-IPDL-TDD-ParametersLCR,
        id-DSCH-InitialWindowSize,
        id-Maximum-DL-Power-TimeslotLCR-InformationItem,
        id-Minimum-DL-Power-TimeslotLCR-InformationItem,
        id-HS-SICH-Reception-Quality,
        id-HS-SICH-Reception-Quality-Measurement-Value,
        id-ExtendedGSMCellIndividualOffset,
        id-Unidirectional-DCH-Indicator,
        id-RTLoadValue,
        id-NRTLoadInformationValue,
        id-Satellite-Almanac-Information-ExtItem,
        id-TnlQos

FROM RNSAP-Constants

        Criticality,
        ProcedureID,
        ProtocolIE-ID,
        TransactionID,
        TriggeringMessage
FROM RNSAP-CommonDataTypes

        ProtocolIE-Single-Container{},
        ProtocolExtensionContainer{},
        RNSAP-PROTOCOL-IES,
        RNSAP-PROTOCOL-EXTENSION
FROM RNSAP-Containers;

/* partly omitted */

-- H

HARQ-MemoryPartitioning ::= CHOICE {
    implicit        HARQ-MemoryPartitioning-Implicit,
    explicit        HARQ-MemoryPartitioning-Explicit,
    ...
    }

HARQ-MemoryPartitioning-Implicit    ::= SEQUENCE {
    number-of-Processes         INTEGER (1..8,...),
```

```
    iE-Extensions                    ProtocolExtensionContainer { { HARQ-MemoryPartitioning-Implicit-
ExtIEs } }              OPTIONAL,
    ...
}

HARQ-MemoryPartitioning-Implicit-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

HARQ-MemoryPartitioning-Explicit    ::= SEQUENCE {
    hARQ-MemoryPartitioningList      HARQ-MemoryPartitioningList,
    iE-Extensions                    ProtocolExtensionContainer { { HARQ-MemoryPartitioning-
Explicit-ExtIEs } }        OPTIONAL,
    ...
}

HARQ-MemoryPartitioning-Explicit-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

HARQ-MemoryPartitioningList ::= SEQUENCE (SIZE (1..maxNrOfHARQProc)) OF HARQ-MemoryPartitioningItem

HARQ-MemoryPartitioningItem ::= SEQUENCE {
    process-Memory-Size              ENUMERATED {
                                     hms800, hms1600, hms2400, hms3200, hms4000,
                                     hms4800, hms5600, hms6400, hms7200, hms8000,
                                     hms8800, hms9600, hms10400, hms11200, hms12000,
                                     hms12800, hms13600, hms14400, hms15200, hms16000,
                                     hms17600, hms19200, hms20800, hms22400, hms24000,
                                     hms25600, hms27200, hms28800, hms30400, hms32000,
                                     hms36000, hms40000, hms44000, hms48000, hms52000,
                                     hms56000, hms60000, hms64000, hms68000, hms72000,
                                     hms76000, hms80000, hms88000, hms96000, hms104000,
                                     hms112000, hms120000, hms128000, hms136000, hms144000,
                                     hms152000, hms160000, hms176000, hms192000, hms208000,
                                     hms224000, hms240000, hms256000, hms272000, hms288000,
                                     hms304000,...},
    iE-Extensions                    ProtocolExtensionContainer { { HARQ-MemoryPartitioningItem-
ExtIEs } }              OPTIONAL,
    ...
}

HARQ-MemoryPartitioningItem-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}
HCS-Prio    ::= INTEGER (0..7)
-- 0 = lowest priority, ...7 = highest priority

HSDSCH-FDD-Information ::= SEQUENCE {
    hSDSCH-MACdFlows-Information      HSDSCH-MACdFlows-Information,
    uE-Capabilities-Info             UE-Capabilities-Info,
    cqiFeedback-CycleK               CQI-Feedback-Cycle,
    cqiRepetitionFactor              CQI-RepetitionFactor          OPTIONAL,
    -- This IE shall be present if the CQI Feedback Cycle k IE is set to a value greater than 0.
    ackNackRepetitionFactor          AckNack-RepetitionFactor,
    cqiPowerOffset                   CQI-Power-Offset,
    ackPowerOffset                   Ack-Power-Offset,
    nackPowerOffset                  Nack-Power-Offset,
    hsscch-PowerOffset               HSSCCH-PowerOffset            OPTIONAL,
    iE-Extensions                    ProtocolExtensionContainer { { HSDSCH-FDD-Information-
ExtIEs } }              OPTIONAL,
    ...
}

HSDSCH-FDD-Information-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

HSDSCH-FDD-Information-Response ::= SEQUENCE {
    hSDSCH-MACdFlow-Specific-InfoList-Response    HSDSCH-MACdFlow-Specific-InfoList-Response
                                     OPTIONAL,
    hSSCCH-Specific-InfoList-Response             HSSCCH-FDD-Specific-InfoList-Response
                                     OPTIONAL,
    measurement-Power-Offset                      Measurement-Power-Offset
                                     OPTIONAL,
    hARQ-MemoryPartitioning                       HARQ-MemoryPartitioning
                                     OPTIONAL,
```

```
    iE-Extensions                              ProtocolExtensionContainer { { HSDSCH-FDD-
Information-Response-ExtIEs } }      OPTIONAL,
    ...
}

HSDSCH-FDD-Information-Response-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

HSDSCH-Information-to-Modify ::= SEQUENCE {
    hSDSCH-MACdFlow-Specific-InfoList-to-Modify    HSDSCH-MACdFlow-Specific-InfoList-to-Modify
            OPTIONAL,
    priorityQueue-Info-to-Modify                   PriorityQueue-InfoList-to-Modify
    OPTIONAL,
    mAChs-Reordering-Buffer-Size                   MAChsReorderingBufferSize              OPTIONAL,
    cqiFeedback-CycleK                             CQI-Feedback-Cycle          OPTIONAL,   --
For FDD only
    cqiRepetitionFactor                            CQI-RepetitionFactor        OPTIONAL,   --
For FDD only
    ackNackRepetitionFactor                        AckNack-RepetitionFactor    OPTIONAL,   --
For FDD only
    cqiPowerOffset                                 CQI-Power-Offset            OPTIONAL,   --
For FDD only
    ackPowerOffset                                 Ack-Power-Offset            OPTIONAL,   --
For FDD only
    nackPowerOffset                                Nack-Power-Offset           OPTIONAL,   --
For FDD only
    hssech-PowerOffset                             HSSCCH-PowerOffset          OPTIONAL,   --
Only for FDD
    hSSCCH-CodeChangeGrant                         HSSCCH-Code-Change-Grant    OPTIONAL,
    tDDAckNackPowerOffset                          TDD-AckNack-Power-Offset    OPTIONAL,   --
For TDD only
    iE-Extensions                                  ProtocolExtensionContainer { { HSDSCH-
Information-to-Modify-ExtIEs } }             OPTIONAL,
    ...
}

HSDSCH-Information-to-Modify-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

HSDSCH-Information-to-Modify-Unsynchronised ::= SEQUENCE {
    hSDSCH-MACdFlow-Specific-InfoList-to-Modify    HSDSCH-MACdFlow-Specific-InfoList-to-Modify
            OPTIONAL,
    priorityQueueInfotoModifyUnsynchronised        PriorityQueue-InfoList-to-Modify-Unsynchronised
    cqiPowerOffset                                 CQI-Power-Offset            OPTIONAL,   --
For FDD only
    ackPowerOffset                                 Ack-Power-Offset            OPTIONAL,   --
For FDD only
    nackPowerOffset                                Nack-Power-Offset           OPTIONAL,   --
For FDD only
    hssech-PowerOffset                             HSSCCH-PowerOffset          OPTIONAL,   --
Only for FDD
    tDDAckNackPowerOffset                          TDD-AckNack-Power-Offset    OPTIONAL,   --
For TDD only
    iE-Extensions                                  ProtocolExtensionContainer { { HSDSCH-
Information-to-Modify-Unsynchronised-ExtIEs } }      OPTIONAL,
    ...
}

HSDSCH-Information-to-Modify-Unsynchronised-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

HSDSCH-MACdFlow-ID ::= INTEGER (0..maxNrOfMACdFlows-1)

HSDSCH-MACdFlow-Specific-InfoList ::= SEQUENCE (SIZE (1..maxNrOfMACdFlows)) OF HSDSCH-MACdFlow-
Specific-InfoItem

HSDSCH-MACdFlow-Specific-InfoItem ::= SEQUENCE {
    hSDSCH-MACdFlow-ID                HSDSCH-MACdFlow-ID,
    allocationRetentionPriority       AllocationRetentionPriority,
    trafficClass                      TrafficClass,
    bindingID                         BindingID                         OPTIONAL,
    transportLayerAddress             TransportLayerAddress             OPTIONAL,
    iE-Extensions                     ProtocolExtensionContainer { { HSDSCH-MACdFlow-Specific-
InfoItem-ExtIEs } }        OPTIONAL,
    ...
```

```
}

HSDSCH-MACdFlow-Specific-InfoItem-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

HSDSCH-MACdFlow-Specific-InfoList-Response ::= SEQUENCE (SIZE (0..maxNrOfMACdFlows)) OF HSDSCH-
MACdFlow-Specific-InfoItem-Response

HSDSCH-MACdFlow-Specific-InfoItem-Response ::= SEQUENCE {
    hSDSCH-MACdFlow-ID               HSDSCH-MACdFlow-ID,
    bindingID                        BindingID                              OPTIONAL,
    transportLayerAddress            TransportLayerAddress                  OPTIONAL,
    hSDSCH-Initial-Capacity-Allocation  HSDSCH-Initial-Capacity-Allocation  OPTIONAL,
    iE-Extensions                    ProtocolExtensionContainer { { HSDSCH-MACdFlow-Specific-
InfoItem-Response-ExtIEs } }         OPTIONAL,
    ...
}

HSDSCH-MACdFlow-Specific-InfoItem-Response-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

HSDSCH-MACdFlow-Specific-InfoList-to-Modify ::= SEQUENCE (SIZE (1..maxNrOfMACdFlows)) OF HSDSCH-
MACdFlow-Specific-InfoItem-to-Modify

HSDSCH-MACdFlow-Specific-InfoItem-to-Modify ::= SEQUENCE {
    hSDSCH-MACdFlow-ID               HSDSCH-MACdFlow-ID,
    allocationRetentionPriority      AllocationRetentionPriority            OPTIONAL,
    transportBearerRequestIndicator  TransportBearerRequestIndicator,
    trafficClass                     TrafficClass                          OPTIONAL,
    bindingID                        BindingID                              OPTIONAL,
    transportLayerAddress            TransportLayerAddress                  OPTIONAL,
    iE-Extensions                    ProtocolExtensionContainer { { HSDSCH-MACdFlow-Specific-
InfoItem-to-Modify-ExtIEs } }        OPTIONAL,
    ...
}

HSDSCH-MACdFlow-Specific-InfoItem-to-Modify-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

HSDSCH-MACdFlows-Information ::= SEQUENCE {
    hSDSCH-MACdFlow-Specific-Info            HSDSCH-MACdFlow-Specific-InfoList,
    priorityQueue-Info                       PriorityQueue-InfoList,
    iE-Extensions                            ProtocolExtensionContainer { { HSDSCH-MACdFlows-
to AddInformation-ExtIEs } }         OPTIONAL,
    ...
}


HSDSCH-MACdFlows-Information-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}
```

/* partly omitted */

*CR-Form-v7*

# CHANGE REQUEST

⌘ **25.423** CR **941** ⌘**rev** **-** ⌘ Current version: **5.8.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

**Proposed change affects:** UICC apps⌘ ☐  ME ☐ Radio Access Network **X** Core Network ☐

| | | |
|---|---|---|
| ***Title:*** ⌘ | Criticality Settings for HSDPA | |
| ***Source:*** ⌘ | RAN3 | |
| ***Work item code:***⌘ | HSDPA-IubIur | ***Date:*** ⌘ 16/02/2004 |

| | |
|---|---|
| ***Category:*** ⌘ **F** | ***Release:*** ⌘ Rel-5 |

*Use one of the following categories:*
 ***F*** *(correction)*
 ***A*** *(corresponds to a correction 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.

*Use one of the following releases:*
 *2 (GSM Phase 2)*
 *R96 (Release 1996)*
 *R97 (Release 1997)*
 *R98 (Release 1998)*
 *R99 (Release 1999)*
 *Rel-4 (Release 4)*
 *Rel-5 (Release 5)*
 *Rel-6 (Release 6)*

| | |
|---|---|
| ***Reason for change:*** ⌘ | One of the principles for setting Criticality is that in response messages the "Ignore" Criticality is used in the vast majority of the cases. This is due to the fact that once the receiving node sends the response message, the procedure is completed for it and does not exist anymore, thus receiving an ERROR INDICATION (due to e.g. a Reject criticality) after would be pretty meaningless for that node. |
| ***Summary of change:***⌘ | The Criticality is changed from "reject" to "ignore" for HSDPA-related IEs in response messages.<br><br>Impact Analysis:<br><br>Impact assessment towards the previous version of the specification (same release):<br><br>This CR has isolated impact with the previous version of the specification (same release) because it affects only one function: HSDPA.<br><br>This CR has an impact under protocol point of view.<br><br>The impact can be considered isolated because the change affects only one system function namely the HSDPA. |
| ***Consequences if not approved:*** ⌘ | The Criticality settings for HSDPA-related IEs will remain incorrect. |
| ***Clauses affected:*** ⌘ | 9.1.4.1, 9.1.4.2, 9.1.5.1, 9.1.12.1, 9.1.12.2, 9.1.17.1, 9.1.17.2, 9.3.3 |

| | | Y | N | | | |
|---|---|---|---|---|---|---|
| ***Other specs affected:*** | ⌘ | X | | Other core specifications | ⌘ | CR 942 on 25.423 v 6.0.0 |
| | | | X | Test specifications | | |
| | | | X | O&M Specifications | | |
| ***Other comments:*** | ⌘ | | | | | |

## How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

## 9.1.4 RADIO LINK SETUP RESPONSE

### 9.1.4.1 FDD Message

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| Message Type | M | | 9.2.1.40 | | YES | reject |
| Transaction ID | M | | 9.2.1.59 | | – | |
| D-RNTI | O | | 9.2.1.24 | | YES | ignore |
| CN PS Domain Identifier | O | | 9.2.1.12 | | YES | ignore |
| CN CS Domain Identifier | O | | 9.2.1.11 | | YES | ignore |
| **RL Information Response** | | 1..<maxno ofRLs> | | | EACH | ignore |
| >RL ID | M | | 9.2.1.49 | | – | |
| >RL Set ID | M | | 9.2.2.35 | | – | |
| >URA Information | O | | 9.2.1.70B | | – | |
| >SAI | M | | 9.2.1.52 | | – | |
| >Cell GAI | O | | 9.2.1.5A | | – | |
| >UTRAN Access Point Position | O | | 9.2.1.70A | | – | |
| >Received Total Wide Band Power | M | | 9.2.2.35A | | – | |
| >Secondary CCPCH Info | O | | 9.2.2.37B | | – | |
| >DL Code Information | M | | FDD DL Code Information 9.2.2.14A | | – | |
| >CHOICE *Diversity Indication* | M | | | | – | |
| >>*Combining* | | | | | – | |
| >>>RL ID | M | | 9.2.1.49 | Reference RL ID for the combining | – | |
| >>>DCH Information Response | O | | 9.2.1.16A | | YES | ignore |
| >>*Non Combining or First RL* | | | | | – | |
| >>>DCH Information Response | M | | 9.2.1.16A | | – | |
| >SSDT Support Indicator | M | | 9.2.2.43 | | – | |
| >Maximum Uplink SIR | M | | Uplink SIR 9.2.1.69 | | – | |
| >Minimum Uplink SIR | M | | Uplink SIR 9.2.1.69 | | – | |
| >Closed Loop Timing Adjustment Mode | O | | 9.2.2.3A | | – | |
| >Maximum Allowed UL Tx Power | M | | 9.2.1.35 | | – | |
| >Maximum DL TX Power | M | | DL Power 9.2.1.21A | | – | |
| >Minimum DL TX Power | M | | DL Power 9.2.1.21A | | – | |
| >Primary Scrambling Code | O | | 9.2.1.45 | | – | |
| >UL UARFCN | O | | UARFCN 9.2.1.66 | Corresponds to Nu in ref. [6] | – | |
| >DL UARFCN | O | | UARFCN 9.2.1.66 | Corresponds to Nd in ref. [6] | – | |
| >Primary CPICH Power | M | | 9.2.1.44 | | – | |
| >DSCH Information Response | O | | DSCH FDD Information Response | | YES | ignore |

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| | | | 9.2.2.13B | | | |
| >Neighbouring UMTS Cell Information | O | | 9.2.1.41A | | – | |
| >Neighbouring GSM Cell Information | O | | 9.2.1.41C | | – | |
| >PC Preamble | M | | 9.2.2.27a | | – | |
| >SRB Delay | M | | 9.2.2.39A | | – | |
| >Cell GA Additional Shapes | O | | 9.2.1.5B | | YES | ignore |
| >DL Power Balancing Activation Indicator | O | | 9.2.2.10B | | YES | ignore |
| >HS-DSCH Information Response | O | | HS-DSCH FDD Information Response 9.2.2.19b | | YES | ignore |
| >TFCI PC Support Indicator | O | | 9.2.2.46A | | YES | ignore |
| >HCS Prio | O | | 9.2.1.30N | | YES | ignore |
| >Primary CPICH Usage For Channel Estimation | O | | 9.2.2.32A | | YES | ignore |
| Uplink SIR Target | O | | Uplink SIR 9.2.1.69 | | YES | ignore |
| Criticality Diagnostics | O | | 9.2.1.13 | | YES | ignore |
| DSCH-RNTI | O | | 9.2.1.26Ba | | YES | ignore |
| HS-DSCH-RNTI | O | | 9.2.1.30P | | YES | ignore~~reject~~ |

| Range bound | Explanation |
|---|---|
| *maxnoofRLs* | Maximum number of RLs for one UE. |

## 9.1.4.2 TDD Message

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| Message Type | M | | 9.2.1.40 | | YES | reject |
| Transaction ID | M | | 9.2.1.59 | | – | |
| D-RNTI | O | | 9.2.1.24 | | YES | ignore |
| CN PS Domain Identifier | O | | 9.2.1.12 | | YES | ignore |
| CN CS Domain Identifier | O | | 9.2.1.11 | | YES | ignore |
| **RL Information Response** | | *0..1* | | Mandatory for 3.84Mcps TDD , not applicable to 1.28Mcps TDD | YES | ignore |
| >RL ID | M | | 9.2.1.49 | | – | |
| >URA Information | O | | 9.2.1.70B | | – | |
| >SAI | M | | 9.2.1.52 | | – | |
| >Cell GAI | O | | 9.2.1.5A | | – | |
| >UTRAN Access Point Position | O | | 9.2.1.70A | | – | |
| >UL Time Slot ISCP Info | M | | 9.2.3.13D | | – | |
| >Maximum Uplink SIR | M | | Uplink SIR 9.2.1.69 | | – | |
| >Minimum Uplink SIR | M | | Uplink SIR 9.2.1.69 | | – | |
| >Maximum Allowed UL Tx Power | M | | 9.2.1.35 | | – | |
| >Maximum DL TX Power | M | | DL Power 9.2.1.21A | | – | |
| >Minimum DL TX Power | M | | DL Power 9.2.1.21A | | – | |
| >UARFCN | O | | UARFCN 9.2.1.66 | Corresponds to Nt in ref. [7] | – | |
| >Cell Parameter ID | O | | 9.2.1.8 | | – | |
| >Sync Case | O | | 9.2.1.54 | | – | |
| >SCH Time Slot | C-Case2 | | 9.2.1.51 | | – | |
| >SCTD Indicator | O | | 9.2.1.78 | | – | |
| >PCCPCH Power | M | | 9.2.1.43 | | – | |
| >Timing Advance Applied | M | | 9.2.3.12A | | – | |
| >Alpha Value | M | | 9.2.3.a | | – | |
| >UL PhysCH SF Variation | M | | 9.2.3.13B | | – | |
| >Synchronisation Configuration | M | | 9.2.3.7E | | – | |
| >Secondary CCPCH Info TDD | O | | 9.2.3.7B | | – | |
| **>UL CCTrCH Information** | | *0..<maxno ofCCTrCH s>* | | For DCH | GLOBAL | ignore |
| >>CCTrCH ID | M | | 9.2.3.2 | | – | |
| **>>UL DPCH Information** | | *0..1* | | | YES | ignore |
| >>>Repetition Period | M | | 9.2.3.7 | | – | |
| >>>Repetition Length | M | | 9.2.3.6 | | – | |
| >>>TDD DPCH Offset | M | | 9.2.3.8A | | – | |
| >>>UL Timeslot Information | M | | 9.2.3.13C | | – | |
| >>Uplink SIR Target CCTrCH | O | | Uplink SIR 9.2.1.69 | | YES | ignore |
| **>DL CCTrCH Information** | | *0..<maxno ofCCTrCH s>* | | For DCH | GLOBAL | ignore |
| >>CCTrCH ID | M | | 9.2.3.2 | | – | |
| **>>DL DPCH Information** | | *0..1* | | | YES | ignore |
| >>>Repetition Period | M | | 9.2.3.7 | | – | |

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| >>>Repetition Length | M | | 9.2.3.6 | | – | |
| >>>TDD DPCH Offset | M | | 9.2.3.8A | | – | |
| >>>DL Timeslot Information | M | | 9.2.3.2C | | | |
| >>CCTrCH Maximum DL TX Power | O | | DL Power 9.2.1.21A | Maximum allowed power on DPCH | YES | ignore |
| >>CCTrCH Minimum DL TX Power | O | | DL Power 9.2.1.21A | Minimum allowed power on DPCH | YES | ignore |
| >DCH Information Response | O | | 9.2.1.16A | | YES | ignore |
| **>DSCH Information Response** | | 0 .. <maxnoof DSCHs> | | | GLOBAL | ignore |
| >>DSCH ID | M | | 9.2.1.26A | | – | |
| >>DSCH Flow Control Information | M | | 9.2.1.26B | | – | |
| >>Binding ID | O | | 9.2.1.3 | | – | |
| >>Transport Layer Address | O | | 9.2.1.62 | | – | |
| >>Transport Format Management | M | | 9.2.3.13 | | – | |
| **>USCH Information Response** | | 0 .. <maxnoof USCHs> | | | GLOBAL | ignore |
| >>USCH ID | M | | 9.2.3.14 | | – | |
| >>Binding ID | O | | 9.2.1.3 | | – | |
| >>Transport Layer Address | O | | 9.2.1.62 | | – | |
| >>Transport Format Management | M | | 9.2.3.13 | | – | |
| >Neighbouring UMTS Cell Information | O | | 9.2.1.41A | | – | |
| >Neighbouring GSM Cell Information | O | | 9.2.1.41C | | – | |
| >Cell GA Additional Shapes | O | | 9.2.1.5B | | YES | ignore |
| >HS-DSCH Information Response | O | | HS-DSCH TDD Information Response 9.2.3.3ab | | YES | ignore |
| >HCS Prio | O | | 9.2.1.30N | | YES | ignore |
| >Time Slot for SCH | C-Case1 | | Time Slot 9.2.1.56 | | YES | ignore |
| Uplink SIR Target | M | | Uplink SIR 9.2.1.69 | | YES | ignore |
| Criticality Diagnostics | O | | 9.2.1.13 | | YES | ignore |
| **RL Information Response LCR** | | 0..1 | | Mandatory for 1.28Mcps TDD, not applicable to 1.28Mcps TDD | YES | ignore |
| >RL ID | M | | 9.2.1.49 | | – | |
| >URA Information | M | | 9.2.1.70B | | – | |
| >SAI | M | | 9.2.1.52 | | – | |
| >Cell GAI | O | | 9.2.1.5A | | – | |
| >UTRAN Access Point Position | O | | 9.2.1.70A | | – | |
| >UL Time Slot ISCP Info LCR | M | | 9.2.3.13H | | – | |
| >Maximum Uplink SIR | M | | Uplink SIR | | | |

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| | | | 9.2.1.69 | | | |
| >Minimum Uplink SIR | M | | Uplink SIR 9.2.1.69 | | – | |
| >Maximum Allowed UL Tx Power | M | | 9.2.1.35 | | – | |
| >Maximum DL TX Power | M | | DL Power 9.2.1.21A | | – | |
| >Minimum DL TX Power | M | | DL Power 9.2.1.21A | | – | |
| >UARFCN | O | | UARFCN 9.2.1.66 | Corresponds to Nt in ref. [7] | – | |
| >Cell Parameter ID | O | | 9.2.1.8 | | – | |
| >SCTD Indicator | O | | 9.2.1.78 | | – | |
| >PCCPCH Power | M | | 9.2.1.43 | | – | |
| >Alpha Value | M | | 9.2.3.a | | – | |
| >UL PhysCH SF Variation | M | | 9.2.3.13B | | – | |
| >Synchronisation Configuration | M | | 9.2.3.7E | | – | |
| >Secondary CCPCH Info TDD LCR | O | | 9.2.3.7F | | – | |
| **>UL CCTrCH Information LCR** | | 0..<maxnoofCCTrCHsLCR> | | For DCH | GLOBAL | ignore |
| >>CCTrCH ID | M | | 9.2.3.2 | | – | |
| **>>UL DPCH Information LCR** | | 0..1 | | | YES | ignore |
| >>>Repetition Period | M | | 9.2.3.7 | | – | |
| >>>Repetition Length | M | | 9.2.3.6 | | – | |
| >>>TDD DPCH Offset | M | | 9.2.3.8A | | – | |
| >>>UL Timeslot Information LCR | M | | 9.2.3.13G | | – | |
| >>Uplink SIR Target CCTrCH | O | | Uplink SIR 9.2.1.69 | | YES | ignore |
| **>DL CCTrCH Information LCR** | | 0..<maxnoofCCTrCHsLCR> | | For DCH | GLOBAL | ignore |
| >>CCTrCH ID | M | | 9.2.3.2 | | – | |
| **>>DL DPCH Information LCR** | | 0..1 | | | YES | ignore |
| >>>Repetition Period | M | | 9.2.3.7 | | – | |
| >>>Repetition Length | M | | 9.2.3.6 | | – | |
| >>>TDD DPCH Offset | M | | 9.2.3.8A | | – | |
| >>>DL Timeslot Information LCR | M | | 9.2.3.2E | | | |
| >>>TSTD Indicator | M | | 9.2.3.13E | | – | |
| >DCH Information Response | O | | 9.2.1.16A | | YES | ignore |
| **>DSCH Information Response LCR** | | 0 .. <maxnoofDSCHsLCR> | | | GLOBAL | ignore |
| >>DSCH ID | M | | 9.2.1.26A | | – | |
| >>DSCH Flow Control Information | M | | 9.2.1.26B | | – | |
| >>Binding ID | O | | 9.2.1.3 | | – | |
| >>Transport Layer Address | O | | 9.2.1.62 | | – | |
| >>Transport Format Management | M | | 9.2.3.13 | | – | |
| **>USCH Information Response LCR** | | 0 .. <maxnoofUSCHsLCR> | | | GLOBAL | ignore |
| >>USCH ID | M | | 9.2.3.14 | | – | |

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| >>Binding ID | O | | 9.2.1.3 | | – | |
| >>Transport Layer Address | O | | 9.2.1.62 | | – | |
| >>Transport Format Management | M | | 9.2.3.13 | | – | |
| >Neighbouring UMTS Cell Information | O | | 9.2.1.41A | | – | |
| >Neighbouring GSM Cell Information | O | | 9.2.1.41C | | – | |
| >HCS Prio | O | | 9.2.1.30N | | YES | ignore |
| >HS-DSCH Information Response LCR | O | | HS-DSCH TDD Information Response 9.2.3.3ab | | YES | ignore |
| >Cell GA Additional Shapes | O | | 9.2.1.5B | | YES | ignore |
| >Uplink Timing Advance Control LCR | M | | 9.2.3.13K | | YES | ignore |
| HS-DSCH-RNTI | O | | 9.2.1.30P | | YES | ignore~~reject~~ |
| DSCH RNTI | O | | 9.2.1.26Ba | | YES | ignore |

| Condition | Explanation |
|---|---|
| Case2 | The IE shall be present if *Sync Case* IE is equal to "Case2". |
| Case1 | This IE shall be present if *Sync Case* IE is equal to "Case1". |

| Range bound | Explanation |
|---|---|
| *maxnoofDSCHs* | Maximum number of DSCHs for one UE for 3.84Mcps TDD. |
| *maxnoofUSCHs* | Maximum number of USCHs for one UE for 3.84Mcps TDD. |
| *maxnoofCCTrCHs* | Maximum number of CCTrCH for one UE for 3.84Mcps TDD. |
| *maxnoofDSCHsLCR* | Maximum number of DSCHs for one UE for 1.28Mcps TDD. |
| *maxnoofUSCHsLCR* | Maximum number of USCHs for one UE for 1.28Mcps TDD. |
| *maxnoofCCTrCHsLCR* | Maximum number of CCTrCH for one UE for 1.28Mcps TDD. |

## 9.1.5    RADIO LINK SETUP FAILURE

### 9.1.5.1    FDD Message

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| Message Type | M | | 9.2.1.40 | | YES | reject |
| Transaction ID | M | | 9.2.1.59 | | – | |
| D-RNTI | O | | 9.2.1.24 | | YES | ignore |
| CN PS Domain Identifier | O | | 9.2.1.12 | | YES | ignore |
| CN CS Domain Identifier | O | | 9.2.1.11 | | YES | ignore |
| CHOICE *Cause Level* | M | | | | YES | ignore |
| >*General* | | | | | – | |
| >>Cause | M | | 9.2.1.5 | | – | |
| >*RL Specific* | | | | | – | |
| **>>Unsuccessful RL Information Response** | | 1..<maxnoofRLs> | | | EACH | ignore |
| >>>RL ID | M | | 9.2.1.49 | | – | |
| >>>Cause | M | | 9.2.1.5 | | – | |
| **>>Successful RL Information Response** | | 0..<maxnoofRLs-1> | | | EACH | ignore |
| >>>RL ID | M | | 9.2.1.49 | | – | |
| >>>RL Set ID | M | | 9.2.2.35 | | – | |
| >>>URA Information | O | | 9.2.1.70B | | – | |
| >>>SAI | M | | 9.2.1.52 | | – | |
| >>>Cell GAI | O | | 9.2.1.5A | | – | |
| >>>UTRAN Access Point Position | O | | 9.2.1.70A | | – | |
| >>>Received Total Wide Band Power | M | | 9.2.2.35A | | – | |
| >>>Secondary CCPCH Info | O | | 9.2.2.37B | | – | |
| >>>DL Code Information | M | | FDD DL Code Information 9.2.2.14A | | – | |
| >>>CHOICE *Diversity Indication* | M | | | | – | |
| >>>>*Combining* | | | | | – | |
| >>>>>RL ID | M | | 9.2.1.49 | Reference RL ID for the combining | – | |
| >>>>>DCH Information Response | O | | 9.2.1.16A | | YES | ignore |
| >>>>*Non Combining or First RL* | | | | | – | |
| >>>>>DCH Information Response | M | | 9.2.1.16A | | – | |
| >>>SSDT Support Indicator | M | | 9.2.2.43 | | – | |
| >>>Maximum Uplink SIR | M | | Uplink SIR 9.2.1.69 | | – | |
| >>>Minimum Uplink SIR | M | | Uplink SIR 9.2.1.69 | | – | |
| >>>Closed Loop Timing Adjustment Mode | O | | 9.2.2.3A | | – | |
| >>>Maximum Allowed UL Tx Power | M | | 9.2.1.35 | | – | |
| >>>Maximum DL TX Power | M | | DL Power 9.2.1.21A | | – | |
| >>>Minimum DL TX Power | M | | DL Power 9.2.1.21A | | – | |
| >>>Primary CPICH Power | M | | 9.2.1.44 | | – | |

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| >>>Primary Scrambling Code | O | | 9.2.1.45 | | – | |
| >>>UL UARFCN | O | | UARFCN 9.2.1.66 | Corresponds to Nu in ref. [6] | – | |
| >>>DL UARFCN | O | | UARFCN 9.2.1.66 | Corresponds to Nd in ref. [6] | – | |
| >>>DSCH Information Response | O | | DSCH FDD Information Response 9.2.2.13B | | YES | ignore |
| >>>Neighbouring UMTS Cell Information | O | | 9.2.1.41A | | – | |
| >>>Neighbouring GSM Cell Information | O | | 9.2.1.41C | | – | |
| >>>PC Preamble | M | | 9.2.2.27a | | – | |
| >>>SRB Delay | M | | 9.2.2.39A | | – | |
| >>>Cell GA Additional Shapes | O | | 9.2.1.5B | | YES | ignore |
| >>>DL Power Balancing Activation Indicator | O | | 9.2.2.10B | | YES | ignore |
| >>>HS-DSCH Information Response | O | | HS-DSCH FDD Information Response 9.2.2.19b | | YES | ignore |
| >>>TFCI PC Support Indicator | O | | 9.2.2.46A | | YES | ignore |
| >>>HCS Prio | O | | 9.2.1.30N | | YES | ignore |
| >>>Primary CPICH Usage For Channel Estimation | O | | 9.2.2.32A | | YES | ignore |
| >>DSCH-RNTI | O | | 9.2.1.26Ba | | YES | ignore |
| >>HS-DSCH-RNTI | O | | 9.2.1.30P | | YES | ignore~~reject~~ |
| Uplink SIR Target | O | | Uplink SIR 9.2.1.69 | | YES | ignore |
| Criticality Diagnostics | O | | 9.2.1.13 | | YES | ignore |

| Range bound | Explanation |
|---|---|
| *maxnoofRLs* | Maximum number of RLs for one UE. |

## 9.1.12    RADIO LINK RECONFIGURATION READY

### 9.1.12.1       FDD Message

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| Message Type | M | | 9.2.1.40 | | YES | reject |
| Transaction ID | M | | 9.2.1.59 | | – | |
| **RL Information Response** | | 0..<maxnoofRLs> | | | EACH | ignore |
| >RL ID | M | | 9.2.1.49 | | – | |
| >Maximum Uplink SIR | O | | Uplink SIR 9.2.1.69 | | – | |
| >Minimum Uplink SIR | O | | Uplink SIR 9.2.1.69 | | – | |
| >Maximum DL TX Power | O | | DL Power 9.2.1.21A | | – | |
| >Minimum DL TX Power | O | | DL Power 9.2.1.21A | | – | |
| >Secondary CCPCH Info | O | | 9.2.2.37B | | – | |
| >DL Code Information | O | | FDD DL Code Information 9.2.2.14A | | YES | ignore |
| >DCH Information Response | O | | 9.2.1.16A | | YES | ignore |
| >DSCHs to be Added or Modified | O | | DSCH FDD Information Response 9.2.2.13B | | YES | ignore |
| >DL Power Balancing Updated Indicator | O | | 9.2.2.10D | | YES | ignore |
| >HS-DSCH Information Response | O | | HS-DSCH FDD Information Response 9.2.2.19b | | YES | ignore |
| >Primary CPICH Usage For Channel Estimation | O | | 9.2.2.32A | | YES | ignore |
| >Secondary CPICH Information Change | O | | 9.2.2.38B | | YES | ignore |
| Criticality Diagnostics | O | | 9.2.1.13 | | YES | ignore |
| DSCH-RNTI | O | | 9.2.1.26Ba | | YES | ignore |
| HS-DSCH-RNTI | O | | 9.2.1.30P | | YES | ignore~~reject~~ |
| MAC-hs Reset Indicator | O | | 9.2.1.34B | | YES | ignore~~reject~~ |

| Range bound | Explanation |
|---|---|
| *maxnoofRLs* | Maximum number of RLs for a UE. |

## 9.1.12.2    TDD Message

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| Message Type | M | | 9.2.1.40 | | YES | reject |
| Transaction ID | M | | 9.2.1.59 | | – | |
| **RL Information Response** | | *0..<maxnoof RLs>* | | See Note 1 below | YES | ignore |
| >RL ID | M | | 9.2.1.49 | | – | |
| >Maximum Uplink SIR | O | | Uplink SIR 9.2.1.69 | | – | |
| >Minimum Uplink SIR | O | | Uplink SIR 9.2.1.69 | | – | |
| >Maximum DL TX Power | O | | DL Power 9.2.1.21A | | – | |
| >Minimum DL TX Power | O | | DL Power 9.2.1.21A | | – | |
| >Secondary CCPCH Info TDD | O | | 9.2.3.7B | | – | |
| **>UL CCTrCH Information** | | *0..<maxnoof CCTrCHs>* | | For DCH | GLOBAL | ignore |
| >>CCTrCH ID | M | | 9.2.3.2 | | – | |
| **>>UL DPCH to be Added** | | *0..1* | | Applicable to 3.84Mcps TDD only | YES | ignore |
| >>>Repetition Period | M | | 9.2.3.7 | | – | |
| >>>Repetition Length | M | | 9.2.3.6 | | – | |
| >>>TDD DPCH Offset | M | | 9.2.3.8A | | – | |
| >>> Rx Timing Deviation | O | | 9.2.3.7A | | – | |
| >>>UL Timeslot Information | M | | 9.2.3.13C | | – | |
| **>>UL DPCH to be Modified** | | *0..1* | | | YES | ignore |
| >>>Repetition Period | O | | 9.2.3.7 | | – | |
| >>>Repetition Length | O | | 9.2.3.6 | | – | |
| >>>TDD DPCH Offset | O | | 9.2.3.8A | | – | |
| **>>>UL Timeslot Information** | | *0..<maxnoO fTS>* | | Applicable to 3.84Mcps TDD only | – | |
| >>>>Time Slot | M | | 9.2.1.56 | | – | |
| >>>>Midamble Shift And Burst Type | O | | 9.2.3.4 | | – | |
| >>>>TFCI Presence | O | | 9.2.1.55 | | – | |
| **>>>>UL Code Information** | | *0..<maxnoO fDPCHs>* | | | – | |
| >>>>>DPCH ID | M | | 9.2.3.3 | | – | |
| >>>>>TDD Channelisation Code | O | | 9.2.3.8 | | – | |
| **>>>UL Timeslot Information LCR** | | *0..<maxnoO fTSLCR>* | | Applicable to 1.28Mcps TDD only | GLOBAL | ignore |
| >>>>Time Slot LCR | M | | 9.2.3.12a | | – | |
| >>>>Midamble Shift LCR | O | | 9.2.3.4C | | – | |
| >>>>TFCI Presence | O | | 9.2.1.55 | | – | |

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| >>>>UL Code Information LCR | | 0..<maxnoOfDPCHLCR> | | | GLOBAL | ignore |
| >>>>>DPCH ID | M | | 9.2.3.3 | | – | |
| >>>>>TDD Channelisation Code LCR | O | | 9.2.3.8a | | – | |
| >>>>> TDD UL DPCH Time Slot Format LCR | O | | 9.2.3.10C | | YES | reject |
| >>UL DPCH to be Deleted | | 0..<maxnoofDPCHs> | | | GLOBAL | ignore |
| >>>DPCH ID | M | | 9.2.3.3 | | – | |
| >>UL DPCH to be Added LCR | | 0..1 | | Applicable to 1.28Mcps TDD only | YES | ignore |
| >>>Repetition Period | M | | 9.2.3.7 | | – | |
| >>>Repetition Length | M | | 9.2.3.6 | | – | |
| >>>TDD DPCH Offset | M | | 9.2.3.8A | | – | |
| >>>UL Timeslot Information LCR | M | | 9.2.3.13G | | – | |
| >DL CCTrCH Information | | 0..<maxnoofCCTrCHs> | | For DCH | GLOBAL | ignore |
| >>CCTrCH ID | M | | 9.2.3.2 | | – | |
| >>DL DPCH to be Added | | 0..1 | | Applicable to 3.84Mcps TDD only | YES | ignore |
| >>>Repetition Period | M | | 9.2.3.7 | | – | |
| >>>Repetition Length | M | | 9.2.3.6 | | – | |
| >>>TDD DPCH Offset | M | | 9.2.3.8A | | – | |
| >>>DL Timeslot Information | M | | 9.2.3.2C | | – | |
| >>DL DPCH to be Modified | | 0..1 | | | YES | ignore |
| >>>Repetition Period | O | | 9.2.3.7 | | – | |
| >>>Repetition Length | O | | 9.2.3.6 | | – | |
| >>>TDD DPCH Offset | O | | 9.2.3.8A | | – | |
| >>>DL Timeslot Information | | 0..<maxnoOfTS> | | Applicable to 3.84Mcps TDD only | – | |
| >>>>Time Slot | M | | 9.2.1.56 | | – | |
| >>>>Midamble Shift And Burst Type | O | | 9.2.3.4 | | – | |
| >>>>TFCI Presence | O | | 9.2.1.55 | | – | |
| >>>>DL Code Information | | 0..<maxnoOfDPCHs> | | | – | |
| >>>>>DPCH ID | M | | 9.2.3.3 | | – | |
| >>>>>TDD Channelisation Code | O | | 9.2.3.8 | | – | |
| >>>DL Timeslot Information LCR | | 0..<maxnoOfTSLCR> | | Applicable to 1.28Mcps TDD only | GLOBAL | ignore |
| >>>>Time Slot LCR | M | | 9.2.3.12a | | – | |
| >>>>Midamble Shift LCR | O | | 9.2.3.4C | | – | |
| >>>>TFCI Presence | O | | 9.2.1.55 | | – | |
| >>>>DL Code Information LCR | | 0..<maxnoOfDPCHLCR> | | | GLOBAL | ignore |
| >>>>>DPCH ID | M | | 9.2.3.3 | | – | |
| >>>>>TDD | O | | 9.2.3.8a | | – | |

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| Channelisation Code LCR | | | | | | |
| >>>>> TDD DL DPCH Time Slot Format LCR | O | | 9.2.3.8E | | YES | reject |
| >>>>Maximum DL TX Power | O | | DL Power 9.2.1.21A | Maximum allowed power on DPCH | YES | ignore |
| >>>>Minimum DL TX Power | O | | DL Power 9.2.1.21A | Minimum allowed power on DPCH | YES | ignore |
| **>>DL DPCH to be Deleted** | | *0..<maxnoof DPCHs>* | | | GLOBAL | ignore |
| >>>DPCH ID | M | | 9.2.3.3 | | – | |
| **>>DL DPCH to be Added LCR** | | *0..1* | | Applicable to 1.28Mcps TDD only | YES | ignore |
| >>>Repetition Period | M | | 9.2.3.7 | | – | |
| >>>Repetition Length | M | | 9.2.3.6 | | – | |
| >>>TDD DPCH Offset | M | | 9.2.3.8A | | – | |
| >>>DL Timeslot Information LCR | M | | 9.2.3.2E | | – | |
| >>CCTrCH Maximum DL TX Power | O | | DL Power 9.2.1.21A | Maximum allowed power on DPCH Applicable to 3.84Mcps TDD only | YES | ignore |
| >>CCTrCH Minimum DL TX Power | O | | DL Power 9.2.1.21A | Minimum allowed power on DPCH Applicable to 3.84Mcps TDD only | YES | ignore |
| >DCH Information Response | O | | 9.2.1.16A | | YES | ignore |
| **>DSCH to be Added or Modified** | | *0 .. <maxnoof DSCHs>* | | | GLOBAL | ignore |
| >>DSCH ID | M | | 9.2.1.26A | | – | |
| >>Transport Format Management | M | | 9.2.3.13 | | – | |
| >>DSCH Flow Control Information | M | | 9.2.1.26B | | – | |
| >>Binding ID | O | | 9.2.1.3 | | – | |
| >>Transport Layer Address | O | | 9.2.1.62 | | – | |
| **>USCH to be Added or Modified** | | *0 .. <maxnoof USCHs>* | | | GLOBAL | ignore |
| >>USCH ID | M | | 9.2.3.14 | | – | |
| >>Transport Format Management | M | | 9.2.3.13 | | – | |
| >>Binding ID | O | | 9.2.1.3 | | – | |
| >>Transport Layer Address | O | | 9.2.1.62 | | – | |
| >HS-DSCH Information Response | O | | HS-DSCH TDD Information | | YES | ignore |

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
|  |  |  | Response 9.2.3.3ab |  |  |  |
| >Uplink Timing Advance Control LCR | O |  | 9.2.3.13K | Applicable to 1.28Mcps TDD only | YES | ignore |
| Criticality Diagnostics | O |  | 9.2.1.13 |  | YES | ignore |
| HS-DSCH-RNTI | O |  | 9.2.1.30P |  | YES | ignore~~reject~~ |
| DSCH-RNTI | O |  | 9.2.1.26Ba |  | YES | ignore |
| MAC-hs Reset Indicator | O |  | 9.2.1.34B |  | YES | ignore~~reject~~ |

Note 1: This information element is a simplified representation of the ASN.1. Repetition 1 and repetition 2 through maxnoofRLs are represented by separate ASN.1 structures with different criticalities.

| Range bound | Explanation |
|---|---|
| *maxnoofDSCHs* | Maximum number of DSCHs for one UE. |
| *maxnoofUSCHs* | Maximum number of USCHs for one UE. |
| *maxnoofCCTrCHs* | Maximum number of CCTrCHs for a UE. |
| *maxnoofTS* | Maximum number of Timeslots for a UE for 3.84Mcps TDD. |
| *maxnoofDPCHs* | Maximum number of DPCH for a UE for 3.84Mcps TDD. |
| *maxnoofTSLCRs* | Maximum number of Timeslots for a UE for 1.28Mcps TDD. |
| *maxnoofDPCHLCRs* | Maximum number of DPCH for a UE for 1.28Mcps TDD. |
| *maxnoofRLs* | Maximum number of RLs for one UE |

## 9.1.17    RADIO LINK RECONFIGURATION RESPONSE

### 9.1.17.1    FDD Message

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| Message Type | M | | 9.2.1.40 | | YES | reject |
| Transaction ID | M | | 9.2.1.59 | | – | |
| **RL Information Response** | | 0..<maxnoofRLs> | | | EACH | ignore |
| >RL ID | M | | 9.2.1.49 | | – | |
| >Maximum Uplink SIR | O | | Uplink SIR 9.2.1.69 | | – | |
| >Minimum Uplink SIR | O | | Uplink SIR 9.2.1.69 | | – | |
| >Maximum DL TX Power | O | | DL Power 9.2.1.21A | | – | |
| >Minimum DL TX Power | O | | DL Power 9.2.1.21A | | – | |
| >Secondary CCPCH Info | O | | 9.2.2.37B | | – | |
| >DCH Information Response | O | | 9.2.1.16A | | YES | ignore |
| >DL Code Information | O | | FDD DL Code Information 9.2.2.14A | | YES | ignore |
| >DL Power Balancing Updated Indicator | O | | 9.2.2.10D | | YES | ignore |
| >HS-DSCH Information Response | O | | HS-DSCH FDD Information Response 9.2.2.19b | | YES | ignore |
| Criticality Diagnostics | O | | 9.2.1.13 | | YES | ignore |
| HS-DSCH-RNTI | O | | 9.2.1.30P | | YES | ignore~~reject~~ |
| MAC-hs Reset Indicator | O | | 9.2.1.34B | | YES | ignore~~reject~~ |

| Range Bound | Explanation |
|---|---|
| *maxnoofRLs* | Maximum number of RLs for a UE. |

## 9.1.17.2    TDD Message

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| Message Type | M | | 9.2.1.40 | | YES | reject |
| Transaction ID | M | | 9.2.1.59 | | – | |
| **RL Information Response** | | *0..<maxno ofRLs>* | | See note 1 below | YES | ignore |
| >RL ID | M | | 9.2.1.49 | | – | |
| >Maximum Uplink SIR | O | | Uplink SIR 9.2.1.69 | | – | |
| >Minimum Uplink SIR | O | | Uplink SIR 9.2.1.69 | | – | |
| >Maximum DL TX Power | O | | DL Power 9.2.1.21A | | – | |
| >Minimum DL TX Power | O | | DL Power 9.2.1.21A | | – | |
| >DCH Information Response | O | | 9.2.1.16A | | YES | ignore |
| **>DL CCTrCH Information** | | *0..<maxno ofCCTrCH s>* | | For DCH | GLOBAL | ignore |
| >>CCTrCH ID | M | | 9.2.3.2 | | – | |
| **>>DL DPCH To Modify LCR** | | *0..1* | | Applicable to 1.28Mcps TDD only | YES | ignore |
| **>>>DL Timeslot Information LCR** | | *0..<maxno OfTSLCR >* | | | – | |
| >>>>Time Slot LCR | M | | 9.2.3.12a | | – | |
| >>>>Maximum DL TX Power | O | | DL Power 9.2.1.21A | Maximum allowed power on DPCH | – | |
| >>>>Minimum DL TX Power | O | | DL Power 9.2.1.21A | Minimum allowed power on DPCH | – | |
| >>CCTrCH Maximum DL TX Power | O | | DL Power 9.2.1.21A | Maximum allowed power on DPCH Applicable to 3.84Mcps TDD only | YES | ignore |
| >>CCTrCH Minimum DL TX Power | O | | DL Power 9.2.1.21A | Minimum allowed power on DPCH Applicable to 3.84Mcps TDD only | YES | ignore |
| >Uplink Timing Advance Control LCR | O | | 9.2.3.13K | Applicable to 1.28Mcps TDD only | YES | ignore |
| >HS-DSCH Information Response | O | | HS-DSCH TDD Information Response 9.2.3.3ab | | YES | ignore |
| Criticality Diagnostics | O | | 9.2.1.13 | | YES | ignore |
| HS-DSCH-RNTI | O | | 9.2.1.30P | | YES | ignore~~reject~~ |
| MAC-hs Reset Indicator | O | | 9.2.1.34B | | YES | ignore~~reject~~ |

Note 1: This information element is a simplified representation of the ASN.1. Repetition 1 and repetition 2 through maxnoofRLs are represented by separate ASN.1 structures with different criticalities.

| Range bound | Explanation |
|---|---|
| *maxnoofCCTrCHs* | Maximum number of CCTrCHs for a UE. |
| *maxnoofTSLCRs* | Maximum number of Timeslots for a UE for 1.28Mcps TDD. |
| *maxnoofRLs* | Maximum number of RLs for one UE |

## 9.3.3    PDU Definitions

```
-- ***************************************************************
--
-- PDU definitions for RNSAP.
--
-- ***************************************************************

RNSAP-PDU-Contents {
itu-t (0) identified-organization (4) etsi (0) mobileDomain (0)
umts-Access (20) modules (3) rnsap (1) version1 (1) rnsap-PDU-Contents (1) }

DEFINITIONS AUTOMATIC TAGS ::=

BEGIN

UNCHANGED TEXT IS REMOVED

-- ***************************************************************
--
-- RADIO LINK SETUP RESPONSE FDD
--
-- ***************************************************************

RadioLinkSetupResponseFDD ::= SEQUENCE {
    protocolIEs                    ProtocolIE-Container       {{RadioLinkSetupResponseFDD-IEs}},
    protocolExtensions             ProtocolExtensionContainer {{RadioLinkSetupResponseFDD-Extensions}}                          OPTIONAL,
    ...
}

RadioLinkSetupResponseFDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-D-RNTI                          CRITICALITY ignore  TYPE D-RNTI                           PRESENCE optional  } |
    { ID id-CN-PS-DomainIdentifier          CRITICALITY ignore  TYPE CN-PS-DomainIdentifier      PRESENCE optional } |
    { ID id-CN-CS-DomainIdentifier          CRITICALITY ignore  TYPE CN-CS-DomainIdentifier      PRESENCE optional } |
    { ID id-RL-InformationResponseList-RL-SetupRspFDD   CRITICALITY ignore  TYPE RL-InformationResponseList-RL-SetupRspFDD  PRESENCE mandatory   }
|
    { ID id-UL-SIRTarget                    CRITICALITY ignore  TYPE UL-SIR                PRESENCE optional } |
    { ID id-CriticalityDiagnostics          CRITICALITY ignore  TYPE CriticalityDiagnostics     PRESENCE optional },
    ...
}

RL-InformationResponseList-RL-SetupRspFDD        ::= SEQUENCE (SIZE (1..maxNrOfRLs)) OF ProtocolIE-Single-Container { {RL-
InformationResponseItemIEs-RL-SetupRspFDD} }

RL-InformationResponseItemIEs-RL-SetupRspFDD RNSAP-PROTOCOL-IES ::= {
    { ID id-RL-InformationResponseItem-RL-SetupRspFDD   CRITICALITY ignore  TYPE RL-InformationResponseItem-RL-SetupRspFDD  PRESENCE mandatory   }
}

RL-InformationResponseItem-RL-SetupRspFDD ::= SEQUENCE {
    rL-ID                          RL-ID,
    rL-Set-ID                      RL-Set-ID,
```

```
    uRA-Information                 URA-Information     OPTIONAL,
    sAI                             SAI,
    gA-Cell                         GA-Cell     OPTIONAL,
    gA-AccessPointPosition          GA-AccessPointPosition     OPTIONAL,
    received-total-wide-band-power  Received-total-wide-band-power,
    secondary-CCPCH-Info            Secondary-CCPCH-Info        OPTIONAL,
    dl-CodeInformation              FDD-DL-CodeInformation,
    diversityIndication             DiversityIndication-RL-SetupRspFDD,

    sSDT-SupportIndicator           SSDT-SupportIndicator,
    maxUL-SIR                       UL-SIR,
    minUL-SIR                       UL-SIR,
    closedlooptimingadjustmentmode  Closedlooptimingadjustmentmode  OPTIONAL,
    maximumAllowedULTxPower         MaximumAllowedULTxPower,
    maximumDLTxPower                DL-Power,
    minimumDLTxPower                DL-Power,
    primaryScramblingCode           PrimaryScramblingCode   OPTIONAL,
    uL-UARFCN                       UARFCN                  OPTIONAL,
    dL-UARFCN                       UARFCN                  OPTIONAL,
    primaryCPICH-Power              PrimaryCPICH-Power,
    dSCHInformationResponse         DSCH-InformationResponse-RL-SetupRspFDD OPTIONAL,
    neighbouring-UMTS-CellInformation   Neighbouring-UMTS-CellInformation OPTIONAL,
    neighbouring-GSM-CellInformation    Neighbouring-GSM-CellInformation OPTIONAL,
    pC-Preamble                     PC-Preamble,
    sRB-Delay                       SRB-Delay,
    iE-Extensions                   ProtocolExtensionContainer { {RL-InformationResponseItem-RL-SetupRspFDD-ExtIEs} } OPTIONAL,
    ...
}

RL-InformationResponseItem-RL-SetupRspFDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-GA-CellAdditionalShapes         CRITICALITY ignore EXTENSION   GA-CellAdditionalShapes      PRESENCE optional }|
    { ID id-DL-PowerBalancing-ActivationIndicator   CRITICALITY ignore      EXTENSION       DL-PowerBalancing-ActivationIndicator    PRESENCE
optional}|
    { ID id-HSDSCH-FDD-Information-Response          CRITICALITY ignore      EXTENSION HSDSCH-FDD-Information-Response    PRESENCE optional}|
    { ID id-TFCI-PC-SupportIndicator        CRITICALITY ignore EXTENSION   TFCI-PC-SupportIndicator     PRESENCE optional }|
    { ID id-HCS-Prio            CRITICALITY ignore EXTENSION   HCS-Prio           PRESENCE optional }|
    { ID id-Primary-CPICH-Usage-For-Channel-Estimation      CRITICALITY ignore EXTENSION  Primary-CPICH-Usage-For-Channel-Estimation    PRESENCE
optional },
    ...
}

DiversityIndication-RL-SetupRspFDD ::= CHOICE {
    combining                       Combining-RL-SetupRspFDD,
    nonCombiningOrFirstRL           NonCombiningOrFirstRL-RL-SetupRspFDD
}

Combining-RL-SetupRspFDD ::= SEQUENCE {
    rL-ID                           RL-ID,
    iE-Extensions                   ProtocolExtensionContainer { { CombiningItem-RL-SetupRspFDD-ExtIEs} } OPTIONAL,
    ...
}

CombiningItem-RL-SetupRspFDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
```

```
    { ID id-DCH-InformationResponse         CRITICALITY ignore  EXTENSION DCH-InformationResponse        PRESENCE optional },
    ...
}

NonCombiningOrFirstRL-RL-SetupRspFDD ::= SEQUENCE {
    dCH-InformationResponse     DCH-InformationResponse,
    iE-Extensions               ProtocolExtensionContainer { { NonCombiningOrFirstRLItem-RL-SetupRspFDD-ExtIEs} } OPTIONAL,
    ...
}

NonCombiningOrFirstRLItem-RL-SetupRspFDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

DSCH-InformationResponse-RL-SetupRspFDD ::= ProtocolIE-Single-Container {{ DSCH-InformationResponseIE-RL-SetupRspFDD }}

DSCH-InformationResponseIE-RL-SetupRspFDD RNSAP-PROTOCOL-IES ::= {
    { ID id-DSCH-FDD-InformationResponse  CRITICALITY ignore   TYPE   DSCH-FDD-InformationResponse PRESENCE mandatory }
}

RadioLinkSetupResponseFDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-DSCH-RNTI               CRITICALITY ignore        EXTENSION DSCH-RNTI     PRESENCE optional }|
    { ID id-HSDSCH-RNTI             CRITICALITY ignorereject  EXTENSION HSDSCH-RNTI                  PRESENCE optional },
    ...
}

-- *************************************************************
--
-- RADIO LINK SETUP RESPONSE TDD
--
-- *************************************************************

RadioLinkSetupResponseTDD ::= SEQUENCE {
    protocolIEs                 ProtocolIE-Container      {{RadioLinkSetupResponseTDD-IEs}},
    protocolExtensions          ProtocolExtensionContainer {{RadioLinkSetupResponseTDD-Extensions}}               OPTIONAL,
    ...
}

RadioLinkSetupResponseTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-D-RNTI                    CRITICALITY ignore  TYPE D-RNTI                        PRESENCE optional } |
    { ID id-CN-PS-DomainIdentifier        CRITICALITY ignore  TYPE CN-PS-DomainIdentifier      PRESENCE optional } |
    { ID id-CN-CS-DomainIdentifier        CRITICALITY ignore  TYPE CN-CS-DomainIdentifier      PRESENCE optional } |
    { ID id-RL-InformationResponse-RL-SetupRspTDD  CRITICALITY ignore  TYPE RL-InformationResponse-RL-SetupRspTDD PRESENCE optional } |
    --Mandatory for 3.84Mcps TDD only
    { ID id-UL-SIRTarget              CRITICALITY ignore  TYPE UL-SIR                   PRESENCE mandatory } |
    { ID id-CriticalityDiagnostics        CRITICALITY ignore  TYPE CriticalityDiagnostics      PRESENCE optional },
    ...
}

RL-InformationResponse-RL-SetupRspTDD ::= SEQUENCE {
    rL-ID                     RL-ID,
    uRA-Information           URA-Information    OPTIONAL,
    sAI                       SAI,
```

```
    gA-Cell                        GA-Cell      OPTIONAL,
    gA-AccessPointPosition         GA-AccessPointPosition  OPTIONAL,
    ul-TimeSlot-ISCP-Info          UL-TimeSlot-ISCP-Info,
    maxUL-SIR                      UL-SIR,
    minUL-SIR                      UL-SIR,
    maximumAllowedULTxPower        MaximumAllowedULTxPower,
    maximumDLTxPower               DL-Power,
    minimumDLTxPower               DL-Power,
    uARFCNforNt                    UARFCN               OPTIONAL,
    cellParameterID                CellParameterID    OPTIONAL,
    syncCase                       SyncCase           OPTIONAL,
    sCH-TimeSlot                   SCH-TimeSlot       OPTIONAL,
    -- This IE shall be present if Sync Case IE is equal to "Case2". --
    sCTD-Indicator                 SCTD-Indicator  OPTIONAL,
    pCCPCH-Power                   PCCPCH-Power,
    timingAdvanceApplied           TimingAdvanceApplied,
    alphaValue                     AlphaValue,
    ul-PhysCH-SF-Variation         UL-PhysCH-SF-Variation,
    synchronisationConfiguration          SynchronisationConfiguration,
    secondary-CCPCH-Info-TDD       Secondary-CCPCH-Info-TDD   OPTIONAL,
    ul-CCTrCHInformation           UL-CCTrCHInformationList-RL-SetupRspTDD     OPTIONAL,
    dl-CCTrCHInformation           DL-CCTrCHInformationList-RL-SetupRspTDD     OPTIONAL,
    dCH-InformationResponse        DCH-InformationResponseList-RL-SetupRspTDD  OPTIONAL,
    dsch-InformationResponse       DSCH-InformationResponse-RL-SetupRspTDD OPTIONAL,
    usch-InformationResponse       USCH-InformationResponse-RL-SetupRspTDD OPTIONAL,
    neighbouring-UMTS-CellInformation          Neighbouring-UMTS-CellInformation OPTIONAL,
    neighbouring-GSM-CellInformation           Neighbouring-GSM-CellInformation OPTIONAL,
    iE-Extensions                  ProtocolExtensionContainer { {RL-InformationResponse-RL-SetupRspTDD-ExtIEs} } OPTIONAL,
    ...
}

RL-InformationResponse-RL-SetupRspTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-GA-CellAdditionalShapes         CRITICALITY ignore  EXTENSION  GA-CellAdditionalShapes     PRESENCE optional }|
    { ID id-HSDSCH-TDD-Information-Response    CRITICALITY ignore     EXTENSION HSDSCH-TDD-Information-Response     PRESENCE optional}|
    { ID id-HCS-Prio            CRITICALITY ignore EXTENSION   HCS-Prio         PRESENCE optional }|
    { ID id-TimeSlot-RL-SetupRspTDD    CRITICALITY ignore  EXTENSION   TimeSlot    PRESENCE conditional  },
    -- This IE shall be present if Sync Case IE is Case1. --
    ...
}


UNCHANGED TEXT IS REMOVED


RadioLinkSetupResponseTDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-RL-LCR-InformationResponse-RL-SetupRspTDD   CRITICALITY ignore  EXTENSION   RL-LCR-InformationResponse-RL-SetupRspTDD     PRESENCE
optional}|
    --Mandatory for 1.28Mcps TDD only
    { ID id-HSDSCH-RNTI           CRITICALITY ignorereject      EXTENSION HSDSCH-RNTI                PRESENCE optional }|
    { ID id-DSCH-RNTI             CRITICALITY ignore      EXTENSION DSCH-RNTI    PRESENCE optional },
    ...
}
```

```
RL-LCR-InformationResponse-RL-SetupRspTDD ::= SEQUENCE {
    rL-ID                       RL-ID,
    uRA-Information             URA-Information,
    sAI                         SAI,
    gA-Cell                     GA-Cell     OPTIONAL,
    gA-AccessPointPosition      GA-AccessPointPosition  OPTIONAL,
    ul-TimeSlot-ISCP-LCR-Info   UL-TimeSlot-ISCP-LCR-Info,
    maxUL-SIR                   UL-SIR,
    minUL-SIR                   UL-SIR,
    maximumAllowedULTxPower      MaximumAllowedULTxPower,
    maximumDLTxPower            DL-Power,
    minimumDLTxPower           DL-Power,
    uARFCNforNt                 UARFCN              OPTIONAL,
    cellParameterID             CellParameterID     OPTIONAL,
    sCTD-Indicator      SCTD-Indicator  OPTIONAL,
    pCCPCH-Power                PCCPCH-Power,
    alphaValue                 AlphaValue,
    ul-PhysCH-SF-Variation      UL-PhysCH-SF-Variation,
    synchronisationConfiguration            SynchronisationConfiguration,
    secondary-LCR-CCPCH-Info-TDD            Secondary-LCR-CCPCH-Info-TDD               OPTIONAL,
    ul-LCR-CCTrCHInformation                UL-LCR-CCTrCHInformationList-RL-SetupRspTDD    OPTIONAL,
    dl-LCR-CCTrCHInformation                DL-LCR-CCTrCHInformationList-RL-SetupRspTDD    OPTIONAL,
    dCH-InformationResponse                 DCH-InformationResponseList-RL-SetupRspTDD     OPTIONAL,
    dsch-LCR-InformationResponse            DSCH-LCR-InformationResponse-RL-SetupRspTDD    OPTIONAL,
    usch-LCR-InformationResponse            USCH-LCR-InformationResponse-RL-SetupRspTDD    OPTIONAL,
    neighbouring-UMTS-CellInformation       Neighbouring-UMTS-CellInformation           OPTIONAL,
    neighbouring-GSM-CellInformation        Neighbouring-GSM-CellInformation            OPTIONAL,
    iE-Extensions                           ProtocolExtensionContainer { { RL-LCR-InformationResponseList-RL-SetupRspTDD-ExtIEs} }   OPTIONAL,
    ...
}

RL-LCR-InformationResponseList-RL-SetupRspTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-GA-CellAdditionalShapes                 CRITICALITY ignore  EXTENSION   GA-CellAdditionalShapes     PRESENCE optional }|
    { ID id-HCS-Prio                                CRITICALITY ignore  EXTENSION   HCS-Prio                    PRESENCE optional }|
    { ID id-HSDSCH-TDD-Information-Response-LCR      CRITICALITY ignore  EXTENSION HSDSCH-TDD-Information-Response   PRESENCE optional}|
    { ID id-UL-TimingAdvanceCtrl-LCR                CRITICALITY ignore  EXTENSION   UL-TimingAdvanceCtrl-LCR    PRESENCE optional },
    --Mandatory for 1.28Mcps TDD only
    ...
}
```

UNCHANGED TEXT IS REMOVED

```
-- **************************************************************
--
-- RADIO LINK SETUP FAILURE FDD
--
-- **************************************************************

RadioLinkSetupFailureFDD ::= SEQUENCE {
    protocolIEs                 ProtocolIE-Container        {{RadioLinkSetupFailureFDD-IEs}},
    protocolExtensions          ProtocolExtensionContainer {{RadioLinkSetupFailureFDD-Extensions}}                    OPTIONAL,
```

```
    ...
}

RadioLinkSetupFailureFDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-D-RNTI                      CRITICALITY ignore  TYPE D-RNTI                     PRESENCE optional   } |
    { ID id-CN-PS-DomainIdentifier             CRITICALITY ignore  TYPE CN-PS-DomainIdentifier      PRESENCE optional } |
    { ID id-CN-CS-DomainIdentifier             CRITICALITY ignore  TYPE CN-CS-DomainIdentifier      PRESENCE optional } |
    { ID id-CauseLevel-RL-SetupFailureFDD              CRITICALITY ignore   TYPE CauseLevel-RL-SetupFailureFDD    PRESENCE mandatory }|
    { ID id-UL-SIRTarget              CRITICALITY ignore  TYPE UL-SIR               PRESENCE optional } |
    { ID id-CriticalityDiagnostics            CRITICALITY ignore  TYPE CriticalityDiagnostics       PRESENCE optional },
    ...
}

CauseLevel-RL-SetupFailureFDD ::= CHOICE {
    generalCause        GeneralCauseList-RL-SetupFailureFDD,
    rLSpecificCause     RLSpecificCauseList-RL-SetupFailureFDD,
    ...
}

GeneralCauseList-RL-SetupFailureFDD ::= SEQUENCE {
    cause                               Cause,
    iE-Extensions                       ProtocolExtensionContainer { { GeneralCauseItem-RL-SetupFailureFDD-ExtIEs} }   OPTIONAL,
    ...
}

GeneralCauseItem-RL-SetupFailureFDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

RLSpecificCauseList-RL-SetupFailureFDD ::= SEQUENCE {
    unsuccessful-RL-InformationRespList-RL-SetupFailureFDD     UnsuccessfulRL-InformationResponseList-RL-SetupFailureFDD,
    successful-RL-InformationRespList-RL-SetupFailureFDD       SuccessfulRL-InformationResponseList-RL-SetupFailureFDD  OPTIONAL,
    iE-Extensions                       ProtocolExtensionContainer { { RLSpecificCauseItem-RL-SetupFailureFDD-ExtIEs} }   OPTIONAL,
    ...
}

RLSpecificCauseItem-RL-SetupFailureFDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-DSCH-RNTI           CRITICALITY ignore     EXTENSION DSCH-RNTI                    PRESENCE optional }|
    { ID id-HSDSCH-RNTI         CRITICALITY ignore reject        EXTENSION HSDSCH-RNTI             PRESENCE optional },
    ...
}

UnsuccessfulRL-InformationResponseList-RL-SetupFailureFDD ::= SEQUENCE (SIZE (1..maxNrOfRLs)) OF ProtocolIE-Single-Container { {UnsuccessfulRL-
InformationResponse-RL-SetupFailureFDD-IEs} }

UnsuccessfulRL-InformationResponse-RL-SetupFailureFDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-UnsuccessfulRL-InformationResponse-RL-SetupFailureFDD      CRITICALITY ignore  TYPE UnsuccessfulRL-InformationResponse-RL-
SetupFailureFDD    PRESENCE mandatory  }
}

UnsuccessfulRL-InformationResponse-RL-SetupFailureFDD ::= SEQUENCE {
    rL-ID                   RL-ID,
    cause                   Cause,
```

```
    iE-Extensions                      ProtocolExtensionContainer { {UnsuccessfulRL-InformationResponse-RL-SetupFailureFDD-ExtIEs} } OPTIONAL,
    ...
}

UnsuccessfulRL-InformationResponse-RL-SetupFailureFDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

SuccessfulRL-InformationResponseList-RL-SetupFailureFDD ::= SEQUENCE (SIZE (0..maxNrOfRLs-1)) OF ProtocolIE-Single-Container { {SuccessfulRL-
InformationResponse-RL-SetupFailureFDD-IEs} }

SuccessfulRL-InformationResponse-RL-SetupFailureFDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-SuccessfulRL-InformationResponse-RL-SetupFailureFDD     CRITICALITY ignore  TYPE SuccessfulRL-InformationResponse-RL-SetupFailureFDD
    PRESENCE mandatory   }
}

SuccessfulRL-InformationResponse-RL-SetupFailureFDD ::= SEQUENCE {
    rL-ID                              RL-ID,
    rL-Set-ID                          RL-Set-ID,
    uRA-Information                    URA-Information    OPTIONAL,
    sAI                                SAI,
    gA-Cell                            GA-Cell    OPTIONAL,
    gA-AccessPointPosition             GA-AccessPointPosition     OPTIONAL,
    received-total-wide-band-power                              Received-total-wide-band-power,
    secondary-CCPCH-Info               Secondary-CCPCH-Info       OPTIONAL,
    dl-CodeInformation                 FDD-DL-CodeInformation,
    diversityIndication                DiversityIndication-RL-SetupFailureFDD,

    sSDT-SupportIndicator              SSDT-SupportIndicator,
    maxUL-SIR                          UL-SIR,
    minUL-SIR                          UL-SIR,
    closedlooptimingadjustmentmode     Closedlooptimingadjustmentmode  OPTIONAL,
    maximumAllowedULTxPower            MaximumAllowedULTxPower,
    maximumDLTxPower                   DL-Power,
    minimumDLTxPower                   DL-Power,
    primaryCPICH-Power                 PrimaryCPICH-Power,
    primaryScramblingCode              PrimaryScramblingCode   OPTIONAL,
    uL-UARFCN                                  UARFCN      OPTIONAL,
    dL-UARFCN                                  UARFCN      OPTIONAL,
    dSCH-InformationResponse-RL-SetupFailureFDD     DSCH-InformationResponseList-RL-SetupFailureFDD      OPTIONAL,
    neighbouring-UMTS-CellInformation    Neighbouring-UMTS-CellInformation OPTIONAL,
    neighbouring-GSM-CellInformation     Neighbouring-GSM-CellInformation OPTIONAL,
    pC-Preamble                        PC-Preamble,
    sRB-Delay                          SRB-Delay,
    iE-Extensions                      ProtocolExtensionContainer { {SuccessfulRL-InformationResponse-RL-SetupFailureFDD-ExtIEs} } OPTIONAL,
    ...
}

SuccessfulRL-InformationResponse-RL-SetupFailureFDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-GA-CellAdditionalShapes         CRITICALITY ignore EXTENSION  GA-CellAdditionalShapes     PRESENCE optional }|
    { ID id-DL-PowerBalancing-ActivationIndicator   CRITICALITY ignore      EXTENSION      DL-PowerBalancing-ActivationIndicator    PRESENCE
optional}|
    { ID id-HSDSCH-FDD-Information-Response          CRITICALITY ignore      EXTENSION HSDSCH-FDD-Information-Response    PRESENCE optional}|
```

```
    { ID id-TFCI-PC-SupportIndicator          CRITICALITY ignore  EXTENSION    TFCI-PC-SupportIndicator    PRESENCE optional }|
    { ID id-HCS-Prio            CRITICALITY ignore  EXTENSION    HCS-Prio        PRESENCE optional }|
    { ID id-Primary-CPICH-Usage-For-Channel-Estimation      CRITICALITY ignore  EXTENSION    Primary-CPICH-Usage-For-Channel-Estimation    PRESENCE
optional },
    ...
}
```

UNCHANGED TEXT IS REMOVED

```
-- ***************************************************************
--
-- RADIO LINK RECONFIGURATION READY FDD
--
-- ***************************************************************

RadioLinkReconfigurationReadyFDD ::= SEQUENCE {
    protocolIEs                   ProtocolIE-Container      {{RadioLinkReconfigurationReadyFDD-IEs}},
    protocolExtensions            ProtocolExtensionContainer {{RadioLinkReconfigurationReadyFDD-Extensions}}                OPTIONAL,
    ...
}

RadioLinkReconfigurationReadyFDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-RL-InformationResponseList-RL-ReconfReadyFDD   CRITICALITY ignore  TYPE RL-InformationResponseList-RL-ReconfReadyFDD    PRESENCE
optional    } |
    { ID id-CriticalityDiagnostics        CRITICALITY ignore  TYPE CriticalityDiagnostics      PRESENCE optional },
    ...
}

RL-InformationResponseList-RL-ReconfReadyFDD        ::= SEQUENCE (SIZE (0..maxNrOfRLs)) OF ProtocolIE-Single-Container { {RL-InformationResponse-
RL-ReconfReadyFDD-IEs} }

RL-InformationResponse-RL-ReconfReadyFDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-RL-InformationResponseItem-RL-ReconfReadyFDD   CRITICALITY ignore  TYPE RL-InformationResponseItem-RL-ReconfReadyFDD    PRESENCE
mandatory   }
}

RL-InformationResponseItem-RL-ReconfReadyFDD ::= SEQUENCE {
    rL-ID                     RL-ID,
    max-UL-SIR                UL-SIR         OPTIONAL,
    min-UL-SIR                UL-SIR         OPTIONAL,
    maximumDLTxPower          DL-Power       OPTIONAL,
    minimumDLTxPower          DL-Power       OPTIONAL,
    secondary-CCPCH-Info      Secondary-CCPCH-Info     OPTIONAL,
    dl-CodeInformationList    DL-CodeInformationList-RL-ReconfReadyFDD   OPTIONAL,
    dCHInformationResponse    DCH-InformationResponseList-RL-ReconfReadyFDD   OPTIONAL,
    dSCHsToBeAddedOrModified  DSCHsToBeAddedOrModified-RL-ReconfReadyFDD       OPTIONAL,
    iE-Extensions             ProtocolExtensionContainer { {RL-InformationResponseItem-RL-ReconfReadyFDD-ExtIEs} } OPTIONAL,
    ...
}

RL-InformationResponseItem-RL-ReconfReadyFDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-DL-PowerBalancing-UpdatedIndicator        CRITICALITY ignore  EXTENSION DL-PowerBalancing-UpdatedIndicator    PRESENCE optional}|
```

```
    { ID id-HSDSCH-FDD-Information-Response            CRITICALITY ignore  EXTENSION HSDSCH-FDD-Information-Response          PRESENCE optional}|
    { ID id-Primary-CPICH-Usage-For-Channel-Estimation CRITICALITY ignore  EXTENSION Primary-CPICH-Usage-For-Channel-Estimation  PRESENCE optional
}|
    { ID id-Secondary-CPICH-Information-Change         CRITICALITY ignore  EXTENSION Secondary-CPICH-Information-Change        PRESENCE optional
},
    ...
}

DL-CodeInformationList-RL-ReconfReadyFDD ::= ProtocolIE-Single-Container {{ DL-CodeInformationListIEs-RL-ReconfReadyFDD }}

DL-CodeInformationListIEs-RL-ReconfReadyFDD RNSAP-PROTOCOL-IES ::= {
    { ID id-FDD-DL-CodeInformation   CRITICALITY ignore TYPE FDD-DL-CodeInformation     PRESENCE mandatory }
}

DCH-InformationResponseList-RL-ReconfReadyFDD                  ::= ProtocolIE-Single-Container { {DCH-InformationResponseListIEs-RL-ReconfReadyFDD} }

DCH-InformationResponseListIEs-RL-ReconfReadyFDD RNSAP-PROTOCOL-IES ::= {
    { ID id-DCH-InformationResponse    CRITICALITY ignore  TYPE DCH-InformationResponse       PRESENCE mandatory }
}

DSCHsToBeAddedOrModified-RL-ReconfReadyFDD ::= ProtocolIE-Single-Container { {DSCHsToBeAddedOrModifiedIEs-RL-ReconfReadyFDD} }

DSCHsToBeAddedOrModifiedIEs-RL-ReconfReadyFDD RNSAP-PROTOCOL-IES ::= {
    { ID id-DSCHsToBeAddedOrModified-FDD   CRITICALITY ignore  TYPE DSCH-FDD-InformationResponse   PRESENCE mandatory   }
}

RadioLinkReconfigurationReadyFDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-DSCH-RNTI              CRITICALITY ignore        EXTENSION DSCH-RNTI    PRESENCE optional }|
    { ID id-HSDSCH-RNTI        CRITICALITY ignore reject        EXTENSION HSDSCH-RNTI            PRESENCE optional }|
    { ID id-MAChs-ResetIndicator   CRITICALITY ignore reject        EXTENSION MAChs-ResetIndicator        PRESENCE optional },
    ...
}

-- ****************************************************************
--
-- RADIO LINK RECONFIGURATION READY TDD
--
-- ****************************************************************

RadioLinkReconfigurationReadyTDD ::= SEQUENCE {
    protocolIEs               ProtocolIE-Container      {{RadioLinkReconfigurationReadyTDD-IEs}},
    protocolExtensions        ProtocolExtensionContainer {{RadioLinkReconfigurationReadyTDD-Extensions}}                OPTIONAL,
    ...
}

RadioLinkReconfigurationReadyTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-RL-InformationResponse-RL-ReconfReadyTDD
                       CRITICALITY ignore  TYPE RL-InformationResponse-RL-ReconfReadyTDD   PRESENCE optional  } |
    --This RL-InformationResponse-RL-ReconfReadyTDD is for the first RL repetition in the list.
    --Repetitions 2 and on are defined in Multiple-RL-InformationResponse-RL-ReconfReadyTDD.
    { ID id-CriticalityDiagnostics        CRITICALITY ignore  TYPE CriticalityDiagnostics     PRESENCE optional },
    ...
}
```

```
RL-InformationResponse-RL-ReconfReadyTDD ::= SEQUENCE {
    rL-ID                           RL-ID,
    max-UL-SIR                      UL-SIR          OPTIONAL,
    min-UL-SIR                      UL-SIR          OPTIONAL,
    maximumDLTxPower                DL-Power        OPTIONAL,
    minimumDLTxPower                DL-Power        OPTIONAL,
    secondary-CCPCH-Info-TDD        Secondary-CCPCH-Info-TDD   OPTIONAL,
    ul-CCTrCH-Information           UL-CCTrCH-InformationList-RL-ReconfReadyTDD    OPTIONAL,
    dl-CCTrCH-Information           DL-CCTrCH-InformationList-RL-ReconfReadyTDD OPTIONAL,
    dCHInformationResponse          DCH-InformationResponseList-RL-ReconfReadyTDD   OPTIONAL,
    dSCHsToBeAddedOrModified        DSCHToBeAddedOrModified-RL-ReconfReadyTDD   OPTIONAL,
    uSCHsToBeAddedOrModified        USCHToBeAddedOrModified-RL-ReconfReadyTDD   OPTIONAL,
    iE-Extensions                   ProtocolExtensionContainer { {RL-InformationResponse-RL-ReconfReadyTDD-ExtIEs} } OPTIONAL,
    ...
}

RL-InformationResponse-RL-ReconfReadyTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-HSDSCH-TDD-Information-Response     CRITICALITY ignore  EXTENSION HSDSCH-TDD-Information-Response    PRESENCE optional}|
    { ID id-UL-TimingAdvanceCtrl-LCR           CRITICALITY ignore  EXTENSION   UL-TimingAdvanceCtrl-LCR     PRESENCE optional },
    --For 1.28Mcps TDD only
    ...
}
```

<mark>UNCHANGED TEXT IS REMOVED</mark>

```
RadioLinkReconfigurationReadyTDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-HSDSCH-RNTI             CRITICALITY ignorereject       EXTENSION HSDSCH-RNTI          PRESENCE optional }|
    { ID id-DSCH-RNTI               CRITICALITY ignore     EXTENSION DSCH-RNTI                    PRESENCE optional }|
    { ID id-MAChs-ResetIndicator    CRITICALITY ignorereject       EXTENSION MAChs-ResetIndicator     PRESENCE optional }|
    { ID id-Multiple-RL-InformationResponse-RL-ReconfReadyTDD   CRITICALITY ignore      EXTENSION   Multiple-RL-InformationResponse-RL-
ReconfReadyTDD       PRESENCE    optional},
-- This is for RL repetitions 2 and on in RL list.
    ...
}

Multiple-RL-InformationResponse-RL-ReconfReadyTDD ::= SEQUENCE (SIZE (1..maxNrOfRLs-1)) OF RL-InformationResponse-RL-ReconfReadyTDD
```

<mark>UNCHANGED TEXT IS REMOVED</mark>

```
-- *************************************************************
--
-- RADIO LINK RECONFIGURATION RESPONSE FDD
--
-- *************************************************************

RadioLinkReconfigurationResponseFDD ::= SEQUENCE {
    protocolIEs                     ProtocolIE-Container     {{RadioLinkReconfigurationResponseFDD-IEs}},
    protocolExtensions              ProtocolExtensionContainer {{RadioLinkReconfigurationResponseFDD-Extensions}}            OPTIONAL,
    ...
```

```
}

RadioLinkReconfigurationResponseFDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-RL-InformationResponseList-RL-ReconfRspFDD     CRITICALITY ignore  TYPE RL-InformationResponseList-RL-ReconfRspFDD        PRESENCE
optional    } |
    { ID id-CriticalityDiagnostics          CRITICALITY ignore  TYPE CriticalityDiagnostics       PRESENCE optional },
    ...
}

RL-InformationResponseList-RL-ReconfRspFDD      ::= SEQUENCE (SIZE (0..maxNrOfRLs)) OF ProtocolIE-Single-Container { {RL-InformationResponse-RL-
ReconfRspFDD-IEs} }

RL-InformationResponse-RL-ReconfRspFDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-RL-InformationResponseItem-RL-ReconfRspFDD     CRITICALITY ignore  TYPE RL-InformationResponseItem-RL-ReconfRspFDD    PRESENCE
mandatory   }
}

RL-InformationResponseItem-RL-ReconfRspFDD ::= SEQUENCE {
    rL-ID                       RL-ID,
    max-UL-SIR                  UL-SIR          OPTIONAL,
    min-UL-SIR                  UL-SIR          OPTIONAL,
    maximumDLTxPower            DL-Power        OPTIONAL,
    minimumDLTxPower            DL-Power        OPTIONAL,
    secondary-CCPCH-Info        Secondary-CCPCH-Info        OPTIONAL,
    dCHsInformationResponseList    DCH-InformationResponseList-RL-ReconfRspFDD OPTIONAL,
    dL-CodeInformationList-RL-ReconfResp    DL-CodeInformationList-RL-ReconfRspFDD  OPTIONAL,
    iE-Extensions               ProtocolExtensionContainer { {RL-InformationResponseItem-RL-ReconfRspFDD-ExtIEs} } OPTIONAL,
    ...
}

RL-InformationResponseItem-RL-ReconfRspFDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-DL-PowerBalancing-UpdatedIndicator  CRITICALITY ignore      EXTENSION       DL-PowerBalancing-UpdatedIndicator      PRESENCE optional}|
    { ID id-HSDSCH-FDD-Information-Response      CRITICALITY ignore      EXTENSION       HSDSCH-FDD-Information-Response          PRESENCE optional},
    ...
}

DCH-InformationResponseList-RL-ReconfRspFDD             ::= ProtocolIE-Single-Container { {DCH-InformationResponseListIEs-RL-ReconfRspFDD} }

DCH-InformationResponseListIEs-RL-ReconfRspFDD RNSAP-PROTOCOL-IES ::= {
    { ID id-DCH-InformationResponse     CRITICALITY ignore  TYPE DCH-InformationResponse        PRESENCE mandatory }
}

DL-CodeInformationList-RL-ReconfRspFDD ::= ProtocolIE-Single-Container {{ DL-CodeInformationListIEs-RL-ReconfRspFDD }}

DL-CodeInformationListIEs-RL-ReconfRspFDD RNSAP-PROTOCOL-IES ::= {
    { ID id-FDD-DL-CodeInformation   CRITICALITY ignore TYPE FDD-DL-CodeInformation     PRESENCE optional }
}

RadioLinkReconfigurationResponseFDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-HSDSCH-RNTI         CRITICALITY ignorereject        EXTENSION HSDSCH-RNTI            PRESENCE optional }|
    { ID id-MAChs-ResetIndicator    CRITICALITY ignorereject        EXTENSION MAChs-ResetIndicator       PRESENCE optional },
    ...
}
```

```
-- ************************************************************
--
-- RADIO LINK RECONFIGURATION RESPONSE TDD
--
-- ************************************************************

RadioLinkReconfigurationResponseTDD ::= SEQUENCE {
    protocolIEs                    ProtocolIE-Container      {{RadioLinkReconfigurationResponseTDD-IEs}},
    protocolExtensions             ProtocolExtensionContainer {{RadioLinkReconfigurationResponseTDD-Extensions}}              OPTIONAL,
    ...
}

RadioLinkReconfigurationResponseTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-RL-InformationResponse-RL-ReconfRspTDD    CRITICALITY ignore  TYPE RL-InformationResponse-RL-ReconfRspTDD        PRESENCE optional }
|
    --This RL-InformationResponse-RL-ReconfRspTDD is for the first RL repetition in the list.
    --Repetitions 2 and on are defined in Multiple-RL-InformationResponse-RL-ReconfRspTDD.
    { ID id-CriticalityDiagnostics        CRITICALITY ignore  TYPE CriticalityDiagnostics      PRESENCE optional },
    ...
}

RL-InformationResponse-RL-ReconfRspTDD ::= SEQUENCE {
    rL-ID                          RL-ID,
    max-UL-SIR                     UL-SIR          OPTIONAL,
    min-UL-SIR                     UL-SIR          OPTIONAL,
    maximumDLTxPower               DL-Power        OPTIONAL,
    minimumDLTxPower               DL-Power        OPTIONAL,
    dCHsInformationResponseList    DCH-InformationResponseList-RL-ReconfRspTDD OPTIONAL,
    iE-Extensions                  ProtocolExtensionContainer { {RL-InformationResponse-RL-ReconfRspTDD-ExtIEs} } OPTIONAL,
    ...
}

RL-InformationResponse-RL-ReconfRspTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-DL-CCTrCH-InformationList-RL-ReconfRspTDD   CRITICALITY ignore  EXTENSION DL-CCTrCH-InformationList-RL-ReconfRspTDD   PRESENCE optional
}|
    { ID id-UL-TimingAdvanceCtrl-LCR                    CRITICALITY ignore  EXTENSION UL-TimingAdvanceCtrl-LCR     PRESENCE optional }|
    --For 1.28Mcps TDD only
    { ID id-HSDSCH-TDD-Information-Response             CRITICALITY ignore  EXTENSION HSDSCH-TDD-Information-Response    PRESENCE optional},
    ...
}
```

<mark>UNCHANGED TEXT IS REMOVED</mark>

```
RadioLinkReconfigurationResponseTDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-HSDSCH-RNTI              CRITICALITY ignore reject        EXTENSION HSDSCH-RNTI              PRESENCE optional }|
    { ID id-MAChs-ResetIndicator     CRITICALITY ignore reject        EXTENSION MAChs-ResetIndicator     PRESENCE optional }|
    { ID id-RL-ReconfigurationResponseTDD-RL-Information    CRITICALITY ignore       EXTENSION  Multiple-RL-InformationResponse-RL-ReconfRspTDD
    PRESENCE    optional},
    ...
}
```

```
Multiple-RL-InformationResponse-RL-ReconfRspTDD ::= SEQUENCE (SIZE (1..maxNrOfRLs-1)) OF RL-InformationResponse-RL-ReconfRspTDD
--Includes the 2nd through the max number of radio link information repetitions.
```

UNCHANGED TEXT IS REMOVED

*CR-Form-v7*

# CHANGE REQUEST

⌘ **25.423** CR **942** ⌘**rev** **-** ⌘ Current version: **6.0.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

**Proposed change affects:** UICC apps⌘ ☐  ME ☐ Radio Access Network **X** Core Network ☐

| | | |
|---|---|---|
| *Title:* ⌘ | Criticality Settings for HSDPA | |
| *Source:* ⌘ | RAN3 | |
| *Work item code:*⌘ | HSDPA-IubIur | *Date:* ⌘ 16/02/2004 |
| *Category:* ⌘ | **A** | *Release:* ⌘ Rel-6 |

*Use one of the following categories:*
*F (correction)*
*A (corresponds to a correction 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.

*Use one of the following releases:*
*2 (GSM Phase 2)*
*R96 (Release 1996)*
*R97 (Release 1997)*
*R98 (Release 1998)*
*R99 (Release 1999)*
*Rel-4 (Release 4)*
*Rel-5 (Release 5)*
*Rel-6 (Release 6)*

| | |
|---|---|
| *Reason for change:* ⌘ | One of the principles for setting Criticality is that in response messages the "Ignore" Criticality is used in the vast majority of the cases. This is due to the fact that once the receiving node sends the response message, the procedure is completed for it and does not exist anymore, thus receiving an ERROR INDICATION (due to e.g. a Reject criticality) after would be pretty meaningless for that node. |
| *Summary of change:*⌘ | The Criticality is changed from "reject" to "ignore" for HSDPA-related IEs in response messages.<br><br>Impact Analysis:<br><br>Impact assessment towards the previous version of the specification (same release):<br><br>This CR has isolated impact with the previous version of the specification (same release) because it affects only one function: HSDPA.<br><br>This CR has an impact under protocol point of view.<br><br>The impact can be considered isolated because the change affects only one system function namely the HSDPA. |
| *Consequences if not approved:* ⌘ | The Criticality settings for HSDPA-related IEs will remain incorrect. |
| *Clauses affected:* ⌘ | 9.1.4.1, 9.1.4.2, 9.1.5.1, 9.1.12.1, 9.1.12.2, 9.1.17.1, 9.1.17.2, 9.3.3 |

| | | **Y** | **N** | | | |
|---|---|---|---|---|---|---|
| ***Other specs*** | ⌘ | **X** | | Other core specifications | ⌘ | CR 941 on 25.423 v 5.8.0 |
| ***affected:*** | | | **X** | Test specifications | | |
| | | | **X** | O&M Specifications | | |
| ***Other comments:*** | ⌘ | | | | | |

## How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks"  feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text.  Delete those parts of the specification which are not relevant to the change request.

## 9.1.4 RADIO LINK SETUP RESPONSE

### 9.1.4.1 FDD Message

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| Message Type | M | | 9.2.1.40 | | YES | reject |
| Transaction ID | M | | 9.2.1.59 | | – | |
| D-RNTI | O | | 9.2.1.24 | | YES | ignore |
| CN PS Domain Identifier | O | | 9.2.1.12 | | YES | ignore |
| CN CS Domain Identifier | O | | 9.2.1.11 | | YES | ignore |
| **RL Information Response** | | 1..<maxnoofRLs> | | | EACH | ignore |
| >RL ID | M | | 9.2.1.49 | | – | |
| >RL Set ID | M | | 9.2.2.35 | | – | |
| >URA Information | O | | 9.2.1.70B | | – | |
| >SAI | M | | 9.2.1.52 | | – | |
| >Cell GAI | O | | 9.2.1.5A | | – | |
| >UTRAN Access Point Position | O | | 9.2.1.70A | | – | |
| >Received Total Wide Band Power | M | | 9.2.2.35A | | – | |
| >Secondary CCPCH Info | O | | 9.2.2.37B | | – | |
| >DL Code Information | M | | FDD DL Code Information 9.2.2.14A | | – | |
| >CHOICE *Diversity Indication* | M | | | | – | |
| >>*Combining* | | | | | – | |
| >>>RL ID | M | | 9.2.1.49 | Reference RL ID for the combining | – | |
| >>>DCH Information Response | O | | 9.2.1.16A | | YES | ignore |
| >>*Non Combining or First RL* | | | | | – | |
| >>>DCH Information Response | M | | 9.2.1.16A | | – | |
| >SSDT Support Indicator | M | | 9.2.2.43 | | – | |
| >Maximum Uplink SIR | M | | Uplink SIR 9.2.1.69 | | – | |
| >Minimum Uplink SIR | M | | Uplink SIR 9.2.1.69 | | – | |
| >Closed Loop Timing Adjustment Mode | O | | 9.2.2.3A | | – | |
| >Maximum Allowed UL Tx Power | M | | 9.2.1.35 | | – | |
| >Maximum DL TX Power | M | | DL Power 9.2.1.21A | | – | |
| >Minimum DL TX Power | M | | DL Power 9.2.1.21A | | – | |
| >Primary Scrambling Code | O | | 9.2.1.45 | | – | |
| >UL UARFCN | O | | UARFCN 9.2.1.66 | Corresponds to Nu in ref. [6] | – | |
| >DL UARFCN | O | | UARFCN 9.2.1.66 | Corresponds to Nd in ref. [6] | – | |
| >Primary CPICH Power | M | | 9.2.1.44 | | – | |
| >DSCH Information Response | O | | DSCH FDD Information Response | | YES | ignore |

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| | | | 9.2.2.13B | | | |
| >Neighbouring UMTS Cell Information | O | | 9.2.1.41A | | – | |
| >Neighbouring GSM Cell Information | O | | 9.2.1.41C | | – | |
| >PC Preamble | M | | 9.2.2.27a | | – | |
| >SRB Delay | M | | 9.2.2.39A | | – | |
| >Cell GA Additional Shapes | O | | 9.2.1.5B | | YES | ignore |
| >DL Power Balancing Activation Indicator | O | | 9.2.2.10B | | YES | ignore |
| >HS-DSCH Information Response | O | | HS-DSCH FDD Information Response 9.2.2.19b | | YES | ignore |
| >TFCI PC Support Indicator | O | | 9.2.2.46A | | YES | ignore |
| >HCS Prio | O | | 9.2.1.30N | | YES | ignore |
| >Primary CPICH Usage For Channel Estimation | O | | 9.2.2.32A | | YES | ignore |
| >Secondary CPICH Information | O | | 9.2.2.38A | | YES | ignore |
| Uplink SIR Target | O | | Uplink SIR 9.2.1.69 | | YES | ignore |
| Criticality Diagnostics | O | | 9.2.1.13 | | YES | ignore |
| DSCH-RNTI | O | | 9.2.1.26Ba | | YES | ignore |
| HS-DSCH-RNTI | O | | 9.2.1.30P | | YES | ignore~~reject~~ |

| Range bound | Explanation |
|---|---|
| *maxnoofRLs* | Maximum number of RLs for one UE. |

### 9.1.4.2    TDD Message

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| Message Type | M | | 9.2.1.40 | | YES | reject |
| Transaction ID | M | | 9.2.1.59 | | – | |
| D-RNTI | O | | 9.2.1.24 | | YES | ignore |
| CN PS Domain Identifier | O | | 9.2.1.12 | | YES | ignore |
| CN CS Domain Identifier | O | | 9.2.1.11 | | YES | ignore |
| **RL Information Response** | | *0..1* | | Mandatory for 3.84Mcps TDD , not applicable to 1.28Mcps TDD | YES | ignore |
| >RL ID | M | | 9.2.1.49 | | – | |
| >URA Information | O | | 9.2.1.70B | | – | |
| >SAI | M | | 9.2.1.52 | | – | |
| >Cell GAI | O | | 9.2.1.5A | | – | |
| >UTRAN Access Point Position | O | | 9.2.1.70A | | – | |
| >UL Time Slot ISCP Info | M | | 9.2.3.13D | | – | |
| >Maximum Uplink SIR | M | | Uplink SIR 9.2.1.69 | | – | |
| >Minimum Uplink SIR | M | | Uplink SIR 9.2.1.69 | | – | |
| >Maximum Allowed UL Tx Power | M | | 9.2.1.35 | | – | |
| >Maximum DL TX Power | M | | DL Power 9.2.1.21A | | – | |
| >Minimum DL TX Power | M | | DL Power 9.2.1.21A | | – | |
| >UARFCN | O | | UARFCN 9.2.1.66 | Corresponds to Nt in ref. [7] | – | |
| >Cell Parameter ID | O | | 9.2.1.8 | | – | |
| >Sync Case | O | | 9.2.1.54 | | – | |
| >SCH Time Slot | C-Case2 | | 9.2.1.51 | | – | |
| >SCTD Indicator | O | | 9.2.1.78 | | – | |
| >PCCPCH Power | M | | 9.2.1.43 | | – | |
| >Timing Advance Applied | M | | 9.2.3.12A | | – | |
| >Alpha Value | M | | 9.2.3.a | | – | |
| >UL PhysCH SF Variation | M | | 9.2.3.13B | | – | |
| >Synchronisation Configuration | M | | 9.2.3.7E | | – | |
| >Secondary CCPCH Info TDD | O | | 9.2.3.7B | | – | |
| **>UL CCTrCH Information** | | *0..<maxno ofCCTrCH s>* | | For DCH | GLOBAL | ignore |
| >>CCTrCH ID | M | | 9.2.3.2 | | – | |
| **>>UL DPCH Information** | | *0..1* | | | YES | ignore |
| >>>Repetition Period | M | | 9.2.3.7 | | – | |
| >>>Repetition Length | M | | 9.2.3.6 | | – | |
| >>>TDD DPCH Offset | M | | 9.2.3.8A | | – | |
| >>>UL Timeslot Information | M | | 9.2.3.13C | | – | |
| >>Uplink SIR Target CCTrCH | O | | Uplink SIR 9.2.1.69 | | YES | ignore |
| **>DL CCTrCH Information** | | *0..<maxno ofCCTrCH s>* | | For DCH | GLOBAL | ignore |
| >>CCTrCH ID | M | | 9.2.3.2 | | – | |
| **>>DL DPCH Information** | | *0..1* | | | YES | ignore |
| >>>Repetition Period | M | | 9.2.3.7 | | – | |

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| >>>Repetition Length | M | | 9.2.3.6 | | – | |
| >>>TDD DPCH Offset | M | | 9.2.3.8A | | – | |
| >>>DL Timeslot Information | M | | 9.2.3.2C | | | |
| >>CCTrCH Maximum DL TX Power | O | | DL Power 9.2.1.21A | Maximum allowed power on DPCH | YES | ignore |
| >>CCTrCH Minimum DL TX Power | O | | DL Power 9.2.1.21A | Minimum allowed power on DPCH | YES | ignore |
| >DCH Information Response | O | | 9.2.1.16A | | YES | ignore |
| **>DSCH Information Response** | | 0 .. <*maxnoof DSCHs*> | | | GLOBAL | ignore |
| >>DSCH ID | M | | 9.2.1.26A | | – | |
| >>DSCH Flow Control Information | M | | 9.2.1.26B | | – | |
| >>Binding ID | O | | 9.2.1.3 | | – | |
| >>Transport Layer Address | O | | 9.2.1.62 | | – | |
| >>Transport Format Management | M | | 9.2.3.13 | | – | |
| **>USCH Information Response** | | 0 .. <*maxnoof USCHs*> | | | GLOBAL | ignore |
| >>USCH ID | M | | 9.2.3.14 | | – | |
| >>Binding ID | O | | 9.2.1.3 | | – | |
| >>Transport Layer Address | O | | 9.2.1.62 | | – | |
| >>Transport Format Management | M | | 9.2.3.13 | | – | |
| >Neighbouring UMTS Cell Information | O | | 9.2.1.41A | | – | |
| >Neighbouring GSM Cell Information | O | | 9.2.1.41C | | – | |
| >Cell GA Additional Shapes | O | | 9.2.1.5B | | YES | ignore |
| >HS-DSCH Information Response | O | | HS-DSCH TDD Information Response 9.2.3.3ab | | YES | ignore |
| >HCS Prio | O | | 9.2.1.30N | | YES | ignore |
| >Time Slot for SCH | C-Case1 | | Time Slot 9.2.1.56 | | YES | ignore |
| Uplink SIR Target | M | | Uplink SIR 9.2.1.69 | | YES | ignore |
| Criticality Diagnostics | O | | 9.2.1.13 | | YES | ignore |
| **RL Information Response LCR** | | 0..1 | | Mandatory for 1.28Mcps TDD, not applicable to 1.28Mcps TDD | YES | ignore |
| >RL ID | M | | 9.2.1.49 | | – | |
| >URA Information | M | | 9.2.1.70B | | – | |
| >SAI | M | | 9.2.1.52 | | – | |
| >Cell GAI | O | | 9.2.1.5A | | – | |
| >UTRAN Access Point Position | O | | 9.2.1.70A | | – | |
| >UL Time Slot ISCP Info LCR | M | | 9.2.3.13H | | – | |
| >Maximum Uplink SIR | M | | Uplink SIR | | – | |

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| | | | 9.2.1.69 | | | |
| >Minimum Uplink SIR | M | | Uplink SIR 9.2.1.69 | | – | |
| >Maximum Allowed UL Tx Power | M | | 9.2.1.35 | | – | |
| >Maximum DL TX Power | M | | DL Power 9.2.1.21A | | – | |
| >Minimum DL TX Power | M | | DL Power 9.2.1.21A | | – | |
| >UARFCN | O | | UARFCN 9.2.1.66 | Corresponds to Nt in ref. [7] | – | |
| >Cell Parameter ID | O | | 9.2.1.8 | | – | |
| >SCTD Indicator | O | | 9.2.1.78 | | – | |
| >PCCPCH Power | M | | 9.2.1.43 | | – | |
| >Alpha Value | M | | 9.2.3.a | | – | |
| >UL PhysCH SF Variation | M | | 9.2.3.13B | | – | |
| >Synchronisation Configuration | M | | 9.2.3.7E | | – | |
| >Secondary CCPCH Info TDD LCR | O | | 9.2.3.7F | | – | |
| **>UL CCTrCH Information LCR** | | 0..<maxnoofCCTrCHsLCR> | | For DCH | GLOBAL | ignore |
| >>CCTrCH ID | M | | 9.2.3.2 | | – | |
| **>>UL DPCH Information LCR** | | 0..1 | | | YES | ignore |
| >>>Repetition Period | M | | 9.2.3.7 | | – | |
| >>>Repetition Length | M | | 9.2.3.6 | | – | |
| >>>TDD DPCH Offset | M | | 9.2.3.8A | | – | |
| >>>UL Timeslot Information LCR | M | | 9.2.3.13G | | – | |
| >>Uplink SIR Target CCTrCH | O | | Uplink SIR 9.2.1.69 | | YES | ignore |
| **>DL CCTrCH Information LCR** | | 0..<maxnoofCCTrCHsLCR> | | For DCH | GLOBAL | ignore |
| >>CCTrCH ID | M | | 9.2.3.2 | | – | |
| **>>DL DPCH Information LCR** | | 0..1 | | | YES | ignore |
| >>>Repetition Period | M | | 9.2.3.7 | | – | |
| >>>Repetition Length | M | | 9.2.3.6 | | – | |
| >>>TDD DPCH Offset | M | | 9.2.3.8A | | – | |
| >>>DL Timeslot Information LCR | M | | 9.2.3.2E | | | |
| >>>TSTD Indicator | M | | 9.2.3.13E | | – | |
| >DCH Information Response | O | | 9.2.1.16A | | YES | ignore |
| **>DSCH Information Response LCR** | | 0 .. <maxnoofDSCHsLCR> | | | GLOBAL | ignore |
| >>DSCH ID | M | | 9.2.1.26A | | – | |
| >>DSCH Flow Control Information | M | | 9.2.1.26B | | – | |
| >>Binding ID | O | | 9.2.1.3 | | – | |
| >>Transport Layer Address | O | | 9.2.1.62 | | – | |
| >>Transport Format Management | M | | 9.2.3.13 | | – | |
| **>USCH Information Response LCR** | | 0 .. <maxnoofUSCHsLCR> | | | GLOBAL | ignore |
| >>USCH ID | M | | 9.2.3.14 | | – | |

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| >>Binding ID | O | | 9.2.1.3 | | – | |
| >>Transport Layer Address | O | | 9.2.1.62 | | – | |
| >>Transport Format Management | M | | 9.2.3.13 | | – | |
| >Neighbouring UMTS Cell Information | O | | 9.2.1.41A | | – | |
| >Neighbouring GSM Cell Information | O | | 9.2.1.41C | | – | |
| >HCS Prio | O | | 9.2.1.30N | | YES | ignore |
| >HS-DSCH Information Response LCR | O | | HS-DSCH TDD Information Response 9.2.3.3ab | | YES | ignore |
| >Cell GA Additional Shapes | O | | 9.2.1.5B | | YES | ignore |
| >Uplink Timing Advance Control LCR | M | | 9.2.3.13K | | YES | ignore |
| HS-DSCH-RNTI | O | | 9.2.1.30P | | YES | ignore~~reject~~ |
| DSCH RNTI | O | | 9.2.1.26Ba | | YES | ignore |

| Condition | Explanation |
|---|---|
| Case2 | The IE shall be present if *Sync Case* IE is equal to "Case2". |
| Case1 | This IE shall be present if *Sync Case* IE is equal to "Case1". |

| Range bound | Explanation |
|---|---|
| *maxnoofDSCHs* | Maximum number of DSCHs for one UE for 3.84Mcps TDD. |
| *maxnoofUSCHs* | Maximum number of USCHs for one UE for 3.84Mcps TDD. |
| *maxnoofCCTrCHs* | Maximum number of CCTrCH for one UE for 3.84Mcps TDD. |
| *maxnoofDSCHsLCR* | Maximum number of DSCHs for one UE for 1.28Mcps TDD. |
| *maxnoofUSCHsLCR* | Maximum number of USCHs for one UE for 1.28Mcps TDD. |
| *maxnoofCCTrCHsLCR* | Maximum number of CCTrCH for one UE for 1.28Mcps TDD. |

## 9.1.5 RADIO LINK SETUP FAILURE

### 9.1.5.1 FDD Message

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| Message Type | M | | 9.2.1.40 | | YES | reject |
| Transaction ID | M | | 9.2.1.59 | | – | |
| D-RNTI | O | | 9.2.1.24 | | YES | ignore |
| CN PS Domain Identifier | O | | 9.2.1.12 | | YES | ignore |
| CN CS Domain Identifier | O | | 9.2.1.11 | | YES | ignore |
| CHOICE *Cause Level* | M | | | | YES | ignore |
| >*General* | | | | | – | |
| >>Cause | M | | 9.2.1.5 | | – | |
| >*RL Specific* | | | | | – | |
| **>>Unsuccessful RL Information Response** | | 1..<maxnoofRLs> | | | EACH | ignore |
| >>>RL ID | M | | 9.2.1.49 | | – | |
| >>>Cause | M | | 9.2.1.5 | | – | |
| **>>Successful RL Information Response** | | 0..<maxnoofRLs-1> | | | EACH | ignore |
| >>>RL ID | M | | 9.2.1.49 | | – | |
| >>>RL Set ID | M | | 9.2.2.35 | | – | |
| >>>URA Information | O | | 9.2.1.70B | | – | |
| >>>SAI | M | | 9.2.1.52 | | – | |
| >>>Cell GAI | O | | 9.2.1.5A | | – | |
| >>>UTRAN Access Point Position | O | | 9.2.1.70A | | – | |
| >>>Received Total Wide Band Power | M | | 9.2.2.35A | | – | |
| >>>Secondary CCPCH Info | O | | 9.2.2.37B | | – | |
| >>>DL Code Information | M | | FDD DL Code Information 9.2.2.14A | | – | |
| >>>CHOICE *Diversity Indication* | M | | | | – | |
| >>>>*Combining* | | | | | – | |
| >>>>>RL ID | M | | 9.2.1.49 | Reference RL ID for the combining | – | |
| >>>>>DCH Information Response | O | | 9.2.1.16A | | YES | ignore |
| >>>>*Non Combining or First RL* | | | | | – | |
| >>>>>DCH Information Response | M | | 9.2.1.16A | | – | |
| >>>SSDT Support Indicator | M | | 9.2.2.43 | | – | |
| >>>Maximum Uplink SIR | M | | Uplink SIR 9.2.1.69 | | – | |
| >>>Minimum Uplink SIR | M | | Uplink SIR 9.2.1.69 | | – | |
| >>>Closed Loop Timing Adjustment Mode | O | | 9.2.2.3A | | – | |
| >>>Maximum Allowed UL Tx Power | M | | 9.2.1.35 | | – | |
| >>>Maximum DL TX Power | M | | DL Power 9.2.1.21A | | – | |
| >>>Minimum DL TX Power | M | | DL Power 9.2.1.21A | | – | |
| >>>Primary CPICH Power | M | | 9.2.1.44 | | – | |

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| >>>Primary Scrambling Code | O | | 9.2.1.45 | | – | |
| >>>UL UARFCN | O | | UARFCN 9.2.1.66 | Corresponds to Nu in ref. [6] | – | |
| >>>DL UARFCN | O | | UARFCN 9.2.1.66 | Corresponds to Nd in ref. [6] | – | |
| >>>DSCH Information Response | O | | DSCH FDD Information Response 9.2.2.13B | | YES | ignore |
| >>>Neighbouring UMTS Cell Information | O | | 9.2.1.41A | | – | |
| >>>Neighbouring GSM Cell Information | O | | 9.2.1.41C | | – | |
| >>>PC Preamble | M | | 9.2.2.27a | | – | |
| >>>SRB Delay | M | | 9.2.2.39A | | – | |
| >>>Cell GA Additional Shapes | O | | 9.2.1.5B | | YES | ignore |
| >>>DL Power Balancing Activation Indicator | O | | 9.2.2.10B | | YES | ignore |
| >>>HS-DSCH Information Response | O | | HS-DSCH FDD Information Response 9.2.2.19b | | YES | ignore |
| >>>TFCI PC Support Indicator | O | | 9.2.2.46A | | YES | ignore |
| >>>HCS Prio | O | | 9.2.1.30N | | YES | ignore |
| >>>Primary CPICH Usage For Channel Estimation | O | | 9.2.2.32A | | YES | ignore |
| >>>Secondary CPICH Information | O | | 9.2.2.38A | | YES | ignore |
| >>DSCH-RNTI | O | | 9.2.1.26Ba | | YES | ignore |
| >>HS-DSCH-RNTI | O | | 9.2.1.30P | | YES | ignore~~reject~~ |
| Uplink SIR Target | O | | Uplink SIR 9.2.1.69 | | YES | ignore |
| Criticality Diagnostics | O | | 9.2.1.13 | | YES | ignore |

| Range bound | Explanation |
|---|---|
| *maxnoofRLs* | Maximum number of RLs for one UE. |

## 9.1.12    RADIO LINK RECONFIGURATION READY

### 9.1.12.1    FDD Message

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| Message Type | M | | 9.2.1.40 | | YES | reject |
| Transaction ID | M | | 9.2.1.59 | | – | |
| **RL Information Response** | | *0..<maxno ofRLs>* | | | EACH | ignore |
| >RL ID | M | | 9.2.1.49 | | – | |
| >Maximum Uplink SIR | O | | Uplink SIR 9.2.1.69 | | – | |
| >Minimum Uplink SIR | O | | Uplink SIR 9.2.1.69 | | – | |
| >Maximum DL TX Power | O | | DL Power 9.2.1.21A | | – | |
| >Minimum DL TX Power | O | | DL Power 9.2.1.21A | | – | |
| >Secondary CCPCH Info | O | | 9.2.2.37B | | – | |
| >DL Code Information | O | | FDD DL Code Information 9.2.2.14A | | YES | ignore |
| >DCH Information Response | O | | 9.2.1.16A | | YES | ignore |
| >DSCHs to be Added or Modified | O | | DSCH FDD Information Response 9.2.2.13B | | YES | ignore |
| >DL Power Balancing Updated Indicator | O | | 9.2.2.10D | | YES | ignore |
| >HS-DSCH Information Response | O | | HS-DSCH FDD Information Response 9.2.2.19b | | YES | ignore |
| >Primary CPICH Usage For Channel Estimation | O | | 9.2.2.32A | | YES | ignore |
| >Secondary CPICH Information Change | O | | 9.2.2.38B | | YES | ignore |
| Criticality Diagnostics | O | | 9.2.1.13 | | YES | ignore |
| DSCH-RNTI | O | | 9.2.1.26Ba | | YES | ignore |
| HS-DSCH-RNTI | O | | 9.2.1.30P | | YES | ignore~~reject~~ |
| MAC-hs Reset Indicator | O | | 9.2.1.34B | | YES | ignore~~reject~~ |

| Range bound | Explanation |
|---|---|
| *maxnoofRLs* | Maximum number of RLs for a UE. |

## 9.1.12.2    TDD Message

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| Message Type | M | | 9.2.1.40 | | YES | reject |
| Transaction ID | M | | 9.2.1.59 | | – | |
| **RL Information Response** | | *0..<maxnoof RLs>* | | See Note 1 below | YES | ignore |
| >RL ID | M | | 9.2.1.49 | | – | |
| >Maximum Uplink SIR | O | | Uplink SIR 9.2.1.69 | | – | |
| >Minimum Uplink SIR | O | | Uplink SIR 9.2.1.69 | | – | |
| >Maximum DL TX Power | O | | DL Power 9.2.1.21A | | – | |
| >Minimum DL TX Power | O | | DL Power 9.2.1.21A | | – | |
| >Secondary CCPCH Info TDD | O | | 9.2.3.7B | | – | |
| **>UL CCTrCH Information** | | *0..<maxnoof CCTrCHs>* | | For DCH | GLOBAL | ignore |
| >>CCTrCH ID | M | | 9.2.3.2 | | – | |
| **>>UL DPCH to be Added** | | *0..1* | | Applicable to 3.84Mcps TDD only | YES | ignore |
| >>>Repetition Period | M | | 9.2.3.7 | | – | |
| >>>Repetition Length | M | | 9.2.3.6 | | – | |
| >>>TDD DPCH Offset | M | | 9.2.3.8A | | – | |
| >>> Rx Timing Deviation | O | | 9.2.3.7A | | – | |
| >>>UL Timeslot Information | M | | 9.2.3.13C | | – | |
| **>>UL DPCH to be Modified** | | *0..1* | | | YES | ignore |
| >>>Repetition Period | O | | 9.2.3.7 | | – | |
| >>>Repetition Length | O | | 9.2.3.6 | | – | |
| >>>TDD DPCH Offset | O | | 9.2.3.8A | | – | |
| **>>>UL Timeslot Information** | | *0..<maxnoO fTS>* | | Applicable to 3.84Mcps TDD only | – | |
| >>>>Time Slot | M | | 9.2.1.56 | | – | |
| >>>>Midamble Shift And Burst Type | O | | 9.2.3.4 | | – | |
| >>>>TFCI Presence | O | | 9.2.1.55 | | – | |
| **>>>>UL Code Information** | | *0..<maxnoO fDPCHs>* | | | – | |
| >>>>>DPCH ID | M | | 9.2.3.3 | | – | |
| >>>>>TDD Channelisation Code | O | | 9.2.3.8 | | – | |
| **>>>UL Timeslot Information LCR** | | *0..<maxnoO fTSLCR>* | | Applicable to 1.28Mcps TDD only | GLOBAL | ignore |
| >>>>Time Slot LCR | M | | 9.2.3.12a | | – | |
| >>>>Midamble Shift LCR | O | | 9.2.3.4C | | – | |
| >>>>TFCI Presence | O | | 9.2.1.55 | | – | |

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| **>>>>UL Code Information LCR** | | *0..<maxnoOfDPCHLCR>* | | | GLOBAL | ignore |
| >>>>>DPCH ID | M | | 9.2.3.3 | | – | |
| >>>>>TDD Channelisation Code LCR | O | | 9.2.3.8a | | – | |
| >>>>> TDD UL DPCH Time Slot Format LCR | O | | 9.2.3.10C | | YES | reject |
| **>>UL DPCH to be Deleted** | | *0..<maxnoof DPCHs>* | | | GLOBAL | ignore |
| >>>DPCH ID | M | | 9.2.3.3 | | – | |
| **>>UL DPCH to be Added LCR** | | *0..1* | | Applicable to 1.28Mcps TDD only | YES | ignore |
| >>>Repetition Period | M | | 9.2.3.7 | | – | |
| >>>Repetition Length | M | | 9.2.3.6 | | – | |
| >>>TDD DPCH Offset | M | | 9.2.3.8A | | – | |
| >>>UL Timeslot Information LCR | M | | 9.2.3.13G | | – | |
| **>DL CCTrCH Information** | | *0..<maxnoof CCTrCHs>* | | For DCH | GLOBAL | ignore |
| >>CCTrCH ID | M | | 9.2.3.2 | | – | |
| **>>DL DPCH to be Added** | | *0..1* | | Applicable to 3.84Mcps TDD only | YES | ignore |
| >>>Repetition Period | M | | 9.2.3.7 | | – | |
| >>>Repetition Length | M | | 9.2.3.6 | | – | |
| >>>TDD DPCH Offset | M | | 9.2.3.8A | | – | |
| >>>DL Timeslot Information | M | | 9.2.3.2C | | – | |
| **>>DL DPCH to be Modified** | | *0..1* | | | YES | ignore |
| >>>Repetition Period | O | | 9.2.3.7 | | – | |
| >>>Repetition Length | O | | 9.2.3.6 | | – | |
| >>>TDD DPCH Offset | O | | 9.2.3.8A | | – | |
| **>>>DL Timeslot Information** | | *0..<maxnoOfTS>* | | Applicable to 3.84Mcps TDD only | – | |
| >>>>Time Slot | M | | 9.2.1.56 | | – | |
| >>>>Midamble Shift And Burst Type | O | | 9.2.3.4 | | – | |
| >>>>TFCI Presence | O | | 9.2.1.55 | | – | |
| **>>>>DL Code Information** | | *0..<maxnoOfDPCHs>* | | | – | |
| >>>>>DPCH ID | M | | 9.2.3.3 | | – | |
| >>>>>TDD Channelisation Code | O | | 9.2.3.8 | | – | |
| **>>>DL Timeslot Information LCR** | | *0..<maxnoOfTSLCR>* | | Applicable to 1.28Mcps TDD only | GLOBAL | ignore |
| >>>>Time Slot LCR | M | | 9.2.3.12a | | – | |
| >>>>Midamble Shift LCR | O | | 9.2.3.4C | | – | |
| >>>>TFCI Presence | O | | 9.2.1.55 | | – | |
| **>>>>DL Code Information LCR** | | *0..<maxnoOfDPCHLCR>* | | | GLOBAL | ignore |
| >>>>>DPCH ID | M | | 9.2.3.3 | | – | |
| >>>>>TDD | O | | 9.2.3.8a | | – | |

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| Channelisation Code LCR | | | | | | |
| >>>>> TDD DL DPCH Time Slot Format LCR | O | | 9.2.3.8E | | YES | reject |
| >>>>Maximum DL TX Power | O | | DL Power 9.2.1.21A | Maximum allowed power on DPCH | YES | ignore |
| >>>>Minimum DL TX Power | O | | DL Power 9.2.1.21A | Minimum allowed power on DPCH | YES | ignore |
| **>>DL DPCH to be Deleted** | | *0..<maxnoof DPCHs>* | | | GLOBAL | ignore |
| >>>DPCH ID | M | | 9.2.3.3 | | – | |
| **>>DL DPCH to be Added LCR** | | *0..1* | | Applicable to 1.28Mcps TDD only | YES | ignore |
| >>>Repetition Period | M | | 9.2.3.7 | | – | |
| >>>Repetition Length | M | | 9.2.3.6 | | – | |
| >>>TDD DPCH Offset | M | | 9.2.3.8A | | – | |
| >>>DL Timeslot Information LCR | M | | 9.2.3.2E | | – | |
| >>CCTrCH Maximum DL TX Power | O | | DL Power 9.2.1.21A | Maximum allowed power on DPCH Applicable to 3.84Mcps TDD only | YES | ignore |
| >>CCTrCH Minimum DL TX Power | O | | DL Power 9.2.1.21A | Minimum allowed power on DPCH Applicable to 3.84Mcps TDD only | YES | ignore |
| >DCH Information Response | O | | 9.2.1.16A | | YES | ignore |
| **>DSCH to be Added or Modified** | | *0 .. <maxnoof DSCHs>* | | | GLOBAL | ignore |
| >>DSCH ID | M | | 9.2.1.26A | | – | |
| >>Transport Format Management | M | | 9.2.3.13 | | – | |
| >>DSCH Flow Control Information | M | | 9.2.1.26B | | – | |
| >>Binding ID | O | | 9.2.1.3 | | – | |
| >>Transport Layer Address | O | | 9.2.1.62 | | – | |
| **>USCH to be Added or Modified** | | *0 .. <maxnoof USCHs>* | | | GLOBAL | ignore |
| >>USCH ID | M | | 9.2.3.14 | | – | |
| >>Transport Format Management | M | | 9.2.3.13 | | – | |
| >>Binding ID | O | | 9.2.1.3 | | – | |
| >>Transport Layer Address | O | | 9.2.1.62 | | – | |
| >HS-DSCH Information Response | O | | HS-DSCH TDD Information | | YES | ignore |

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| | | | Response 9.2.3.3ab | | | |
| >Uplink Timing Advance Control LCR | O | | 9.2.3.13K | Applicable to 1.28Mcps TDD only | YES | ignore |
| Criticality Diagnostics | O | | 9.2.1.13 | | YES | ignore |
| HS-DSCH-RNTI | O | | 9.2.1.30P | | YES | ignore~~reject~~ |
| DSCH-RNTI | O | | 9.2.1.26Ba | | YES | ignore |
| MAC-hs Reset Indicator | O | | 9.2.1.34B | | YES | ignore~~reject~~ |

Note 1: This information element is a simplified representation of the ASN.1. Repetition 1 and repetition 2 through maxnoofRLs are represented by separate ASN.1 structures with different criticalities.

| Range bound | Explanation |
|---|---|
| *maxnoofDSCHs* | Maximum number of DSCHs for one UE. |
| *maxnoofUSCHs* | Maximum number of USCHs for one UE. |
| *maxnoofCCTrCHs* | Maximum number of CCTrCHs for a UE. |
| *maxnoofTS* | Maximum number of Timeslots for a UE for 3.84Mcps TDD. |
| *maxnoofDPCHs* | Maximum number of DPCH for a UE for 3.84Mcps TDD. |
| *maxnoofTSLCRs* | Maximum number of Timeslots for a UE for 1.28Mcps TDD. |
| *maxnoofDPCHLCRs* | Maximum number of DPCH for a UE for 1.28Mcps TDD. |
| *maxnoofRLs* | Maximum number of RLs for one UE |

## 9.1.17 RADIO LINK RECONFIGURATION RESPONSE

### 9.1.17.1 FDD Message

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| Message Type | M | | 9.2.1.40 | | YES | reject |
| Transaction ID | M | | 9.2.1.59 | | – | |
| **RL Information Response** | | *0..<maxnoofRLs>* | | | EACH | ignore |
| >RL ID | M | | 9.2.1.49 | | – | |
| >Maximum Uplink SIR | O | | Uplink SIR 9.2.1.69 | | – | |
| >Minimum Uplink SIR | O | | Uplink SIR 9.2.1.69 | | – | |
| >Maximum DL TX Power | O | | DL Power 9.2.1.21A | | – | |
| >Minimum DL TX Power | O | | DL Power 9.2.1.21A | | – | |
| >Secondary CCPCH Info | O | | 9.2.2.37B | | – | |
| >DCH Information Response | O | | 9.2.1.16A | | YES | ignore |
| >DL Code Information | O | | FDD DL Code Information 9.2.2.14A | | YES | ignore |
| >DL Power Balancing Updated Indicator | O | | 9.2.2.10D | | YES | ignore |
| >HS-DSCH Information Response | O | | HS-DSCH FDD Information Response 9.2.2.19b | | YES | ignore |
| Criticality Diagnostics | O | | 9.2.1.13 | | YES | ignore |
| HS-DSCH-RNTI | O | | 9.2.1.30P | | YES | ignore~~reject~~ |
| MAC-hs Reset Indicator | O | | 9.2.1.34B | | YES | ignore~~reject~~ |

| Range Bound | Explanation |
|---|---|
| *maxnoofRLs* | Maximum number of RLs for a UE. |

## 9.1.17.2     TDD Message

| IE/Group Name | Presence | Range | IE Type and Reference | Semantics Description | Criticality | Assigned Criticality |
|---|---|---|---|---|---|---|
| Message Type | M | | 9.2.1.40 | | YES | reject |
| Transaction ID | M | | 9.2.1.59 | | – | |
| **RL Information Response** | | *0..<maxno ofRLs>* | | See note 1 below | YES | ignore |
| >RL ID | M | | 9.2.1.49 | | – | |
| >Maximum Uplink SIR | O | | Uplink SIR 9.2.1.69 | | – | |
| >Minimum Uplink SIR | O | | Uplink SIR 9.2.1.69 | | – | |
| >Maximum DL TX Power | O | | DL Power 9.2.1.21A | | – | |
| >Minimum DL TX Power | O | | DL Power 9.2.1.21A | | – | |
| >DCH Information Response | O | | 9.2.1.16A | | YES | ignore |
| **>DL CCTrCH Information** | | *0..<maxno ofCCTrCH s>* | | For DCH | GLOBAL | ignore |
| >>CCTrCH ID | M | | 9.2.3.2 | | – | |
| **>>DL DPCH To Modify LCR** | | *0..1* | | Applicable to 1.28Mcps TDD only | YES | ignore |
| **>>>DL Timeslot Information LCR** | | *0..<maxno OfTSLCR >* | | | – | |
| >>>>Time Slot LCR | M | | 9.2.3.12a | | – | |
| >>>>Maximum DL TX Power | O | | DL Power 9.2.1.21A | Maximum allowed power on DPCH | – | |
| >>>>Minimum DL TX Power | O | | DL Power 9.2.1.21A | Minimum allowed power on DPCH | – | |
| >>CCTrCH Maximum DL TX Power | O | | DL Power 9.2.1.21A | Maximum allowed power on DPCH Applicable to 3.84Mcps TDD only | YES | ignore |
| >>CCTrCH Minimum DL TX Power | O | | DL Power 9.2.1.21A | Minimum allowed power on DPCH Applicable to 3.84Mcps TDD only | YES | ignore |
| >Uplink Timing Advance Control LCR | O | | 9.2.3.13K | Applicable to 1.28Mcps TDD only | YES | ignore |
| >HS-DSCH Information Response | O | | HS-DSCH TDD Information Response 9.2.3.3ab | | YES | ignore |
| Criticality Diagnostics | O | | 9.2.1.13 | | YES | ignore |
| HS-DSCH-RNTI | O | | 9.2.1.30P | | YES | ignore~~reject~~ |
| MAC-hs Reset Indicator | O | | 9.2.1.34B | | YES | ignore~~reject~~ |

Note 1: This information element is a simplified representation of the ASN.1. Repetition 1 and repetition 2 through maxnoofRLs are represented by separate ASN.1 structures with different criticalities.

| Range bound | Explanation |
|---|---|
| *maxnoofCCTrCHs* | Maximum number of CCTrCHs for a UE. |
| *maxnoofTSLCRs* | Maximum number of Timeslots for a UE for 1.28Mcps TDD. |
| *maxnoofRLs* | Maximum number of RLs for one UE |

## 9.3.3 PDU Definitions

```
-- ***************************************************************
--
-- PDU definitions for RNSAP.
--
-- ***************************************************************

RNSAP-PDU-Contents {
itu-t (0) identified-organization (4) etsi (0) mobileDomain (0)
umts-Access (20) modules (3) rnsap (1) version1 (1) rnsap-PDU-Contents (1) }

DEFINITIONS AUTOMATIC TAGS ::=

BEGIN

UNCHANGED TEXT IS REMOVED

-- ***************************************************************
--
-- RADIO LINK SETUP RESPONSE FDD
--
-- ***************************************************************

RadioLinkSetupResponseFDD ::= SEQUENCE {
    protocolIEs                    ProtocolIE-Container       {{RadioLinkSetupResponseFDD-IEs}},
    protocolExtensions             ProtocolExtensionContainer {{RadioLinkSetupResponseFDD-Extensions}}               OPTIONAL,
    ...
}

RadioLinkSetupResponseFDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-D-RNTI                             CRITICALITY ignore  TYPE D-RNTI                            PRESENCE optional   } |
    { ID id-CN-PS-DomainIdentifier             CRITICALITY ignore  TYPE CN-PS-DomainIdentifier      PRESENCE optional } |
    { ID id-CN-CS-DomainIdentifier             CRITICALITY ignore  TYPE CN-CS-DomainIdentifier      PRESENCE optional } |
    { ID id-RL-InformationResponseList-RL-SetupRspFDD   CRITICALITY ignore  TYPE RL-InformationResponseList-RL-SetupRspFDD  PRESENCE mandatory   }
|
    { ID id-UL-SIRTarget                       CRITICALITY ignore  TYPE UL-SIR                  PRESENCE optional } |
    { ID id-CriticalityDiagnostics             CRITICALITY ignore  TYPE CriticalityDiagnostics      PRESENCE optional },
    ...
}

RL-InformationResponseList-RL-SetupRspFDD        ::= SEQUENCE (SIZE (1..maxNrOfRLs)) OF ProtocolIE-Single-Container { {RL-
InformationResponseItemIEs-RL-SetupRspFDD} }

RL-InformationResponseItemIEs-RL-SetupRspFDD RNSAP-PROTOCOL-IES ::= {
    { ID id-RL-InformationResponseItem-RL-SetupRspFDD   CRITICALITY ignore  TYPE RL-InformationResponseItem-RL-SetupRspFDD  PRESENCE mandatory   }
}

RL-InformationResponseItem-RL-SetupRspFDD ::= SEQUENCE {
    rL-ID                         RL-ID,
    rL-Set-ID                     RL-Set-ID,
```

```
    uRA-Information                 URA-Information     OPTIONAL,
    sAI                             SAI,
    gA-Cell                         GA-Cell     OPTIONAL,
    gA-AccessPointPosition          GA-AccessPointPosition      OPTIONAL,
    received-total-wide-band-power  Received-total-wide-band-power,
    secondary-CCPCH-Info            Secondary-CCPCH-Info        OPTIONAL,
    dl-CodeInformation              FDD-DL-CodeInformation,
    diversityIndication             DiversityIndication-RL-SetupRspFDD,

    sSDT-SupportIndicator           SSDT-SupportIndicator,
    maxUL-SIR                       UL-SIR,
    minUL-SIR                       UL-SIR,
    closedlooptimingadjustmentmode  Closedlooptimingadjustmentmode  OPTIONAL,
    maximumAllowedULTxPower         MaximumAllowedULTxPower,
    maximumDLTxPower                DL-Power,
    minimumDLTxPower                DL-Power,
    primaryScramblingCode           PrimaryScramblingCode   OPTIONAL,
    uL-UARFCN                       UARFCN                  OPTIONAL,
    dL-UARFCN                       UARFCN                  OPTIONAL,
    primaryCPICH-Power              PrimaryCPICH-Power,
    dSCHInformationResponse         DSCH-InformationResponse-RL-SetupRspFDD OPTIONAL,
    neighbouring-UMTS-CellInformation   Neighbouring-UMTS-CellInformation OPTIONAL,
    neighbouring-GSM-CellInformation    Neighbouring-GSM-CellInformation OPTIONAL,
    pC-Preamble                     PC-Preamble,
    sRB-Delay                       SRB-Delay,
    iE-Extensions                   ProtocolExtensionContainer { {RL-InformationResponseItem-RL-SetupRspFDD-ExtIEs} } OPTIONAL,
    ...
}

RL-InformationResponseItem-RL-SetupRspFDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-GA-CellAdditionalShapes                     CRITICALITY ignore  EXTENSION GA-CellAdditionalShapes                     PRESENCE optional
}|
    { ID id-DL-PowerBalancing-ActivationIndicator       CRITICALITY ignore  EXTENSION DL-PowerBalancing-ActivationIndicator       PRESENCE optional
}|
    { ID id-HSDSCH-FDD-Information-Response              CRITICALITY ignore  EXTENSION HSDSCH-FDD-Information-Response              PRESENCE optional
}|
    { ID id-TFCI-PC-SupportIndicator                    CRITICALITY ignore  EXTENSION TFCI-PC-SupportIndicator                    PRESENCE optional
}|
    { ID id-HCS-Prio                                    CRITICALITY ignore  EXTENSION HCS-Prio                                    PRESENCE optional
}|
    { ID id-Primary-CPICH-Usage-For-Channel-Estimation  CRITICALITY ignore  EXTENSION Primary-CPICH-Usage-For-Channel-Estimation  PRESENCE optional
}|
    { ID id-Secondary-CPICH-Information                 CRITICALITY ignore  EXTENSION Secondary-CPICH-Information                 PRESENCE optional
},
    ...
}

DiversityIndication-RL-SetupRspFDD ::= CHOICE {
    combining                       Combining-RL-SetupRspFDD,
    nonCombiningOrFirstRL           NonCombiningOrFirstRL-RL-SetupRspFDD
}

Combining-RL-SetupRspFDD ::= SEQUENCE {
```

```
    rL-ID                          RL-ID,
    iE-Extensions                  ProtocolExtensionContainer { { CombiningItem-RL-SetupRspFDD-ExtIEs} } OPTIONAL,
    ...
}

CombiningItem-RL-SetupRspFDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-DCH-InformationResponse       CRITICALITY ignore  EXTENSION DCH-InformationResponse     PRESENCE optional },
    ...
}

NonCombiningOrFirstRL-RL-SetupRspFDD ::= SEQUENCE {
    dCH-InformationResponse     DCH-InformationResponse,
    iE-Extensions               ProtocolExtensionContainer { { NonCombiningOrFirstRLItem-RL-SetupRspFDD-ExtIEs} } OPTIONAL,
    ...
}

NonCombiningOrFirstRLItem-RL-SetupRspFDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

DSCH-InformationResponse-RL-SetupRspFDD ::= ProtocolIE-Single-Container {{ DSCH-InformationResponseIE-RL-SetupRspFDD }}

DSCH-InformationResponseIE-RL-SetupRspFDD RNSAP-PROTOCOL-IES ::= {
    { ID id-DSCH-FDD-InformationResponse   CRITICALITY ignore   TYPE    DSCH-FDD-InformationResponse PRESENCE mandatory }
}

RadioLinkSetupResponseFDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-DSCH-RNTI              CRITICALITY ignore       EXTENSION DSCH-RNTI     PRESENCE optional }|
    { ID id-HSDSCH-RNTI            CRITICALITY ignorereject     EXTENSION HSDSCH-RNTI             PRESENCE optional },
    ...
}

-- *************************************************************
--
-- RADIO LINK SETUP RESPONSE TDD
--
-- *************************************************************

RadioLinkSetupResponseTDD ::= SEQUENCE {
    protocolIEs                    ProtocolIE-Container      {{RadioLinkSetupResponseTDD-IEs}},
    protocolExtensions             ProtocolExtensionContainer {{RadioLinkSetupResponseTDD-Extensions}}                    OPTIONAL,
    ...
}

RadioLinkSetupResponseTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-D-RNTI                     CRITICALITY ignore  TYPE D-RNTI                          PRESENCE optional } |
    { ID id-CN-PS-DomainIdentifier         CRITICALITY ignore  TYPE CN-PS-DomainIdentifier      PRESENCE optional } |
    { ID id-CN-CS-DomainIdentifier         CRITICALITY ignore  TYPE CN-CS-DomainIdentifier      PRESENCE optional } |
    { ID id-RL-InformationResponse-RL-SetupRspTDD   CRITICALITY ignore  TYPE RL-InformationResponse-RL-SetupRspTDD PRESENCE optional } |
    --Mandatory for 3.84Mcps TDD only
    { ID id-UL-SIRTarget               CRITICALITY ignore  TYPE UL-SIR                 PRESENCE mandatory } |
    { ID id-CriticalityDiagnostics         CRITICALITY ignore  TYPE CriticalityDiagnostics       PRESENCE optional },
    ...
```

```
}

RL-InformationResponse-RL-SetupRspTDD ::= SEQUENCE {
    rL-ID                     RL-ID,
    uRA-Information           URA-Information     OPTIONAL,
    sAI                       SAI,
    gA-Cell                   GA-Cell     OPTIONAL,
    gA-AccessPointPosition     GA-AccessPointPosition  OPTIONAL,
    ul-TimeSlot-ISCP-Info     UL-TimeSlot-ISCP-Info,
    maxUL-SIR                 UL-SIR,
    minUL-SIR                 UL-SIR,
    maximumAllowedULTxPower    MaximumAllowedULTxPower,
    maximumDLTxPower          DL-Power,
    minimumDLTxPower          DL-Power,
    uARFCNforNt               UARFCN              OPTIONAL,
    cellParameterID           CellParameterID    OPTIONAL,
    syncCase                  SyncCase            OPTIONAL,
    sCH-TimeSlot              SCH-TimeSlot        OPTIONAL,
    -- This IE shall be present if Sync Case IE is equal to "Case2". --
    sCTD-Indicator            SCTD-Indicator  OPTIONAL,
    pCCPCH-Power              PCCPCH-Power,
    timingAdvanceApplied      TimingAdvanceApplied,
    alphaValue                AlphaValue,
    ul-PhysCH-SF-Variation    UL-PhysCH-SF-Variation,
    synchronisationConfiguration        SynchronisationConfiguration,
    secondary-CCPCH-Info-TDD            Secondary-CCPCH-Info-TDD    OPTIONAL,
    ul-CCTrCHInformation                UL-CCTrCHInformationList-RL-SetupRspTDD    OPTIONAL,
    dl-CCTrCHInformation                DL-CCTrCHInformationList-RL-SetupRspTDD    OPTIONAL,
    dCH-InformationResponse             DCH-InformationResponseList-RL-SetupRspTDD  OPTIONAL,
    dsch-InformationResponse            DSCH-InformationResponse-RL-SetupRspTDD OPTIONAL,
    usch-InformationResponse            USCH-InformationResponse-RL-SetupRspTDD OPTIONAL,
    neighbouring-UMTS-CellInformation         Neighbouring-UMTS-CellInformation OPTIONAL,
    neighbouring-GSM-CellInformation          Neighbouring-GSM-CellInformation OPTIONAL,
    iE-Extensions                       ProtocolExtensionContainer { {RL-InformationResponse-RL-SetupRspTDD-ExtIEs} } OPTIONAL,
    ...
}

RL-InformationResponse-RL-SetupRspTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-GA-CellAdditionalShapes        CRITICALITY ignore EXTENSION  GA-CellAdditionalShapes    PRESENCE optional }|
    { ID id-HSDSCH-TDD-Information-Response    CRITICALITY ignore    EXTENSION HSDSCH-TDD-Information-Response    PRESENCE optional}|
    { ID id-HCS-Prio          CRITICALITY ignore EXTENSION  HCS-Prio        PRESENCE optional }|
    { ID id-TimeSlot-RL-SetupRspTDD    CRITICALITY ignore EXTENSION  TimeSlot   PRESENCE conditional  },
    -- This IE shall be present if Sync Case IE is Case1. --
    ...
}
```

<mark>UNCHANGED TEXT IS REMOVED</mark>

```
RadioLinkSetupResponseTDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-RL-LCR-InformationResponse-RL-SetupRspTDD   CRITICALITY ignore  EXTENSION   RL-LCR-InformationResponse-RL-SetupRspTDD    PRESENCE
optional}|
```

```
    --Mandatory for 1.28Mcps TDD only
    { ID id-HSDSCH-RNTI          CRITICALITY ignorereject        EXTENSION HSDSCH-RNTI              PRESENCE optional }|
    { ID id-DSCH-RNTI            CRITICALITY ignore        EXTENSION DSCH-RNTI     PRESENCE optional },
    ...
}

RL-LCR-InformationResponse-RL-SetupRspTDD ::= SEQUENCE {
    rL-ID                        RL-ID,
    uRA-Information              URA-Information,
    sAI                          SAI,
    gA-Cell                      GA-Cell     OPTIONAL,
    gA-AccessPointPosition       GA-AccessPointPosition  OPTIONAL,
    ul-TimeSlot-ISCP-LCR-Info    UL-TimeSlot-ISCP-LCR-Info,
    maxUL-SIR                    UL-SIR,
    minUL-SIR                    UL-SIR,
    maximumAllowedULTxPower      MaximumAllowedULTxPower,
    maximumDLTxPower             DL-Power,
    minimumDLTxPower             DL-Power,
    uARFCNforNt                  UARFCN                  OPTIONAL,
    cellParameterID              CellParameterID         OPTIONAL,
    sCTD-Indicator       SCTD-Indicator  OPTIONAL,
    pCCPCH-Power                 PCCPCH-Power,
    alphaValue                   AlphaValue,
    ul-PhysCH-SF-Variation       UL-PhysCH-SF-Variation,
    synchronisationConfiguration          SynchronisationConfiguration,
    secondary-LCR-CCPCH-Info-TDD          Secondary-LCR-CCPCH-Info-TDD                  OPTIONAL,
    ul-LCR-CCTrCHInformation              UL-LCR-CCTrCHInformationList-RL-SetupRspTDD    OPTIONAL,
    dl-LCR-CCTrCHInformation              DL-LCR-CCTrCHInformationList-RL-SetupRspTDD    OPTIONAL,
    dCH-InformationResponse               DCH-InformationResponseList-RL-SetupRspTDD    OPTIONAL,
    dsch-LCR-InformationResponse          DSCH-LCR-InformationResponse-RL-SetupRspTDD   OPTIONAL,
    usch-LCR-InformationResponse          USCH-LCR-InformationResponse-RL-SetupRspTDD   OPTIONAL,
    neighbouring-UMTS-CellInformation     Neighbouring-UMTS-CellInformation             OPTIONAL,
    neighbouring-GSM-CellInformation      Neighbouring-GSM-CellInformation              OPTIONAL,
    iE-Extensions                         ProtocolExtensionContainer { { RL-LCR-InformationResponseList-RL-SetupRspTDD-ExtIEs} }   OPTIONAL,
    ...
}

RL-LCR-InformationResponseList-RL-SetupRspTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-GA-CellAdditionalShapes              CRITICALITY ignore  EXTENSION   GA-CellAdditionalShapes     PRESENCE optional }|
    { ID id-HCS-Prio                             CRITICALITY ignore  EXTENSION   HCS-Prio                    PRESENCE optional }|
    { ID id-HSDSCH-TDD-Information-Response-LCR   CRITICALITY ignore  EXTENSION HSDSCH-TDD-Information-Response  PRESENCE optional}|
    { ID id-UL-TimingAdvanceCtrl-LCR             CRITICALITY ignore  EXTENSION   UL-TimingAdvanceCtrl-LCR    PRESENCE optional },
    --Mandatory for 1.28Mcps TDD only
    ...
}
```

UNCHANGED TEXT IS REMOVED

```
-- ***************************************************************
--
-- RADIO LINK SETUP FAILURE FDD
```

```
--
-- *****************************************************************

RadioLinkSetupFailureFDD ::= SEQUENCE {
    protocolIEs                      ProtocolIE-Container        {{RadioLinkSetupFailureFDD-IEs}},
    protocolExtensions               ProtocolExtensionContainer {{RadioLinkSetupFailureFDD-Extensions}}               OPTIONAL,
    ...
}

RadioLinkSetupFailureFDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-D-RNTI                   CRITICALITY ignore  TYPE D-RNTI                    PRESENCE optional   } |
    { ID id-CN-PS-DomainIdentifier       CRITICALITY ignore  TYPE CN-PS-DomainIdentifier    PRESENCE optional } |
    { ID id-CN-CS-DomainIdentifier       CRITICALITY ignore  TYPE CN-CS-DomainIdentifier    PRESENCE optional } |
    { ID id-CauseLevel-RL-SetupFailureFDD            CRITICALITY ignore   TYPE CauseLevel-RL-SetupFailureFDD    PRESENCE mandatory }|
    { ID id-UL-SIRTarget                 CRITICALITY ignore  TYPE UL-SIR                    PRESENCE optional  } |
    { ID id-CriticalityDiagnostics       CRITICALITY ignore  TYPE CriticalityDiagnostics    PRESENCE optional },
    ...
}

CauseLevel-RL-SetupFailureFDD ::= CHOICE {
    generalCause        GeneralCauseList-RL-SetupFailureFDD,
    rLSpecificCause     RLSpecificCauseList-RL-SetupFailureFDD,
    ...
}

GeneralCauseList-RL-SetupFailureFDD ::= SEQUENCE {
    cause                                   Cause,
    iE-Extensions                           ProtocolExtensionContainer { { GeneralCauseItem-RL-SetupFailureFDD-ExtIEs} }   OPTIONAL,
    ...
}

GeneralCauseItem-RL-SetupFailureFDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

RLSpecificCauseList-RL-SetupFailureFDD ::= SEQUENCE {
    unsuccessful-RL-InformationRespList-RL-SetupFailureFDD     UnsuccessfulRL-InformationResponseList-RL-SetupFailureFDD,
    successful-RL-InformationRespList-RL-SetupFailureFDD       SuccessfulRL-InformationResponseList-RL-SetupFailureFDD  OPTIONAL,
    iE-Extensions                           ProtocolExtensionContainer { { RLSpecificCauseItem-RL-SetupFailureFDD-ExtIEs} }   OPTIONAL,
    ...
}

RLSpecificCauseItem-RL-SetupFailureFDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-DSCH-RNTI         CRITICALITY ignore      EXTENSION DSCH-RNTI                    PRESENCE optional }|
    { ID id-HSDSCH-RNTI       CRITICALITY ignorereject      EXTENSION HSDSCH-RNTI                PRESENCE optional },
    ...
}

UnsuccessfulRL-InformationResponseList-RL-SetupFailureFDD ::= SEQUENCE (SIZE (1..maxNrOfRLs)) OF ProtocolIE-Single-Container { {UnsuccessfulRL-
InformationResponse-RL-SetupFailureFDD-IEs} }

UnsuccessfulRL-InformationResponse-RL-SetupFailureFDD-IEs RNSAP-PROTOCOL-IES ::= {
```

```
    { ID id-UnsuccessfulRL-InformationResponse-RL-SetupFailureFDD      CRITICALITY ignore  TYPE UnsuccessfulRL-InformationResponse-RL-
SetupFailureFDD      PRESENCE mandatory  }
}

UnsuccessfulRL-InformationResponse-RL-SetupFailureFDD ::= SEQUENCE {
    rL-ID                        RL-ID,
    cause                        Cause,
    iE-Extensions                   ProtocolExtensionContainer { {UnsuccessfulRL-InformationResponse-RL-SetupFailureFDD-ExtIEs} } OPTIONAL,
    ...
}

UnsuccessfulRL-InformationResponse-RL-SetupFailureFDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

SuccessfulRL-InformationResponseList-RL-SetupFailureFDD ::= SEQUENCE (SIZE (0..maxNrOfRLs-1)) OF ProtocolIE-Single-Container { {SuccessfulRL-
InformationResponse-RL-SetupFailureFDD-IEs} }

SuccessfulRL-InformationResponse-RL-SetupFailureFDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-SuccessfulRL-InformationResponse-RL-SetupFailureFDD     CRITICALITY ignore  TYPE SuccessfulRL-InformationResponse-RL-SetupFailureFDD
    PRESENCE mandatory  }
}

SuccessfulRL-InformationResponse-RL-SetupFailureFDD ::= SEQUENCE {
    rL-ID                                RL-ID,
    rL-Set-ID                            RL-Set-ID,
    uRA-Information                      URA-Information    OPTIONAL,
    sAI                                  SAI,
    gA-Cell                              GA-Cell    OPTIONAL,
    gA-AccessPointPosition               GA-AccessPointPosition     OPTIONAL,
    received-total-wide-band-power                                   Received-total-wide-band-power,
    secondary-CCPCH-Info                 Secondary-CCPCH-Info       OPTIONAL,
    dl-CodeInformation                   FDD-DL-CodeInformation,
    diversityIndication                  DiversityIndication-RL-SetupFailureFDD,

    sSDT-SupportIndicator                SSDT-SupportIndicator,
    maxUL-SIR                            UL-SIR,
    minUL-SIR                            UL-SIR,
    closedlooptimingadjustmentmode       Closedlooptimingadjustmentmode  OPTIONAL,
    maximumAllowedULTxPower              MaximumAllowedULTxPower,
    maximumDLTxPower                     DL-Power,
    minimumDLTxPower                     DL-Power,
    primaryCPICH-Power                   PrimaryCPICH-Power,
    primaryScramblingCode                PrimaryScramblingCode   OPTIONAL,
    uL-UARFCN                               UARFCN      OPTIONAL,
    dL-UARFCN                               UARFCN      OPTIONAL,
    dSCH-InformationResponse-RL-SetupFailureFDD     DSCH-InformationResponseList-RL-SetupFailureFDD      OPTIONAL,
    neighbouring-UMTS-CellInformation    Neighbouring-UMTS-CellInformation OPTIONAL,
    neighbouring-GSM-CellInformation     Neighbouring-GSM-CellInformation OPTIONAL,
    pC-Preamble                          PC-Preamble,
    sRB-Delay                            SRB-Delay,
    iE-Extensions                        ProtocolExtensionContainer { {SuccessfulRL-InformationResponse-RL-SetupFailureFDD-ExtIEs} } OPTIONAL,
    ...
```

```
}

SuccessfulRL-InformationResponse-RL-SetupFailureFDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-GA-CellAdditionalShapes                  CRITICALITY ignore  EXTENSION GA-CellAdditionalShapes                    PRESENCE optional
}|
    { ID id-DL-PowerBalancing-ActivationIndicator    CRITICALITY ignore  EXTENSION DL-PowerBalancing-ActivationIndicator      PRESENCE optional
}|
    { ID id-HSDSCH-FDD-Information-Response           CRITICALITY ignore  EXTENSION HSDSCH-FDD-Information-Response            PRESENCE optional
}|
    { ID id-TFCI-PC-SupportIndicator                 CRITICALITY ignore  EXTENSION TFCI-PC-SupportIndicator                  PRESENCE optional
}|
    { ID id-HCS-Prio                                 CRITICALITY ignore  EXTENSION HCS-Prio                                  PRESENCE optional
}|
    { ID id-Primary-CPICH-Usage-For-Channel-Estimation CRITICALITY ignore  EXTENSION Primary-CPICH-Usage-For-Channel-Estimation  PRESENCE optional
}|
    { ID id-Secondary-CPICH-Information              CRITICALITY ignore  EXTENSION Secondary-CPICH-Information               PRESENCE optional
},
    ...
}

DiversityIndication-RL-SetupFailureFDD ::= CHOICE {
    combining                       Combining-RL-SetupFailureFDD,
    nonCombiningOrFirstRL           NonCombiningOrFirstRL-RL-SetupFailureFDD
}

Combining-RL-SetupFailureFDD ::= SEQUENCE {
    rL-ID                     RL-ID,
    iE-Extensions             ProtocolExtensionContainer { { CombiningItem-RL-SetupFailureFDD-ExtIEs} } OPTIONAL,
    ...
}

CombiningItem-RL-SetupFailureFDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-DCH-InformationResponse        CRITICALITY ignore  EXTENSION DCH-InformationResponse       PRESENCE optional },
    ...
}

NonCombiningOrFirstRL-RL-SetupFailureFDD ::= SEQUENCE {
    dCH-InformationResponse               DCH-InformationResponse,
    iE-Extensions                         ProtocolExtensionContainer { { NonCombiningOrFirstRLItem-RL-SetupFailureFDD-ExtIEs} } OPTIONAL,
    ...
}

NonCombiningOrFirstRLItem-RL-SetupFailureFDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

DSCH-InformationResponseList-RL-SetupFailureFDD ::= ProtocolIE-Single-Container {{ DSCH-InformationResponseListIEs-RL-SetupFailureFDD }}

DSCH-InformationResponseListIEs-RL-SetupFailureFDD RNSAP-PROTOCOL-IES ::= {
    { ID id-DSCH-FDD-InformationResponse   CRITICALITY ignore  TYPE DSCH-FDD-InformationResponse   PRESENCE mandatory }
}

RadioLinkSetupFailureFDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
```

```
    ...
}


UNCHANGED TEXT IS REMOVED

-- ***************************************************************
--
-- RADIO LINK RECONFIGURATION READY FDD
--
-- ***************************************************************

RadioLinkReconfigurationReadyFDD ::= SEQUENCE {
    protocolIEs                     ProtocolIE-Container        {{RadioLinkReconfigurationReadyFDD-IEs}},
    protocolExtensions              ProtocolExtensionContainer {{RadioLinkReconfigurationReadyFDD-Extensions}}                    OPTIONAL,
    ...
}

RadioLinkReconfigurationReadyFDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-RL-InformationResponseList-RL-ReconfReadyFDD   CRITICALITY ignore  TYPE RL-InformationResponseList-RL-ReconfReadyFDD    PRESENCE
optional    } |
    { ID id-CriticalityDiagnostics          CRITICALITY ignore  TYPE CriticalityDiagnostics      PRESENCE optional },
    ...
}

RL-InformationResponseList-RL-ReconfReadyFDD       ::= SEQUENCE (SIZE (0..maxNrOfRLs)) OF ProtocolIE-Single-Container { {RL-InformationResponse-
RL-ReconfReadyFDD-IEs} }

RL-InformationResponse-RL-ReconfReadyFDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-RL-InformationResponseItem-RL-ReconfReadyFDD   CRITICALITY ignore  TYPE RL-InformationResponseItem-RL-ReconfReadyFDD    PRESENCE
mandatory   }
}

RL-InformationResponseItem-RL-ReconfReadyFDD ::= SEQUENCE {
    rL-ID                         RL-ID,
    max-UL-SIR                    UL-SIR        OPTIONAL,
    min-UL-SIR                    UL-SIR        OPTIONAL,
    maximumDLTxPower              DL-Power      OPTIONAL,
    minimumDLTxPower              DL-Power      OPTIONAL,
    secondary-CCPCH-Info          Secondary-CCPCH-Info        OPTIONAL,
    dl-CodeInformationList        DL-CodeInformationList-RL-ReconfReadyFDD    OPTIONAL,
    dCHInformationResponse        DCH-InformationResponseList-RL-ReconfReadyFDD   OPTIONAL,
    dSCHsToBeAddedOrModified      DSCHsToBeAddedOrModified-RL-ReconfReadyFDD      OPTIONAL,
    iE-Extensions                 ProtocolExtensionContainer { {RL-InformationResponseItem-RL-ReconfReadyFDD-ExtIEs} } OPTIONAL,
    ...
}

RL-InformationResponseItem-RL-ReconfReadyFDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-DL-PowerBalancing-UpdatedIndicator         CRITICALITY ignore  EXTENSION DL-PowerBalancing-UpdatedIndicator     PRESENCE optional}|
    { ID id-HSDSCH-FDD-Information-Response             CRITICALITY ignore  EXTENSION HSDSCH-FDD-Information-Response         PRESENCE optional}|
    { ID id-Primary-CPICH-Usage-For-Channel-Estimation CRITICALITY ignore  EXTENSION Primary-CPICH-Usage-For-Channel-Estimation  PRESENCE optional
}|
```

```
    { ID id-Secondary-CPICH-Information-Change        CRITICALITY ignore  EXTENSION Secondary-CPICH-Information-Change      PRESENCE optional }
},
    ...
}

DL-CodeInformationList-RL-ReconfReadyFDD ::= ProtocolIE-Single-Container {{ DL-CodeInformationListIEs-RL-ReconfReadyFDD }}

DL-CodeInformationListIEs-RL-ReconfReadyFDD RNSAP-PROTOCOL-IES ::= {
    { ID id-FDD-DL-CodeInformation   CRITICALITY ignore TYPE FDD-DL-CodeInformation    PRESENCE mandatory }
}

DCH-InformationResponseList-RL-ReconfReadyFDD              ::= ProtocolIE-Single-Container { {DCH-InformationResponseListIEs-RL-ReconfReadyFDD} }

DCH-InformationResponseListIEs-RL-ReconfReadyFDD RNSAP-PROTOCOL-IES ::= {
    { ID id-DCH-InformationResponse    CRITICALITY ignore  TYPE DCH-InformationResponse      PRESENCE mandatory }
}

DSCHsToBeAddedOrModified-RL-ReconfReadyFDD ::= ProtocolIE-Single-Container { {DSCHsToBeAddedOrModifiedIEs-RL-ReconfReadyFDD} }

DSCHsToBeAddedOrModifiedIEs-RL-ReconfReadyFDD RNSAP-PROTOCOL-IES ::= {
    { ID id-DSCHsToBeAddedOrModified-FDD    CRITICALITY ignore  TYPE DSCH-FDD-InformationResponse   PRESENCE mandatory  }
}

RadioLinkReconfigurationReadyFDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-DSCH-RNTI           CRITICALITY ignore        EXTENSION DSCH-RNTI    PRESENCE optional }|
    { ID id-HSDSCH-RNTI         CRITICALITY ignorereject        EXTENSION HSDSCH-RNTI        PRESENCE optional }|
    { ID id-MAChs-ResetIndicator    CRITICALITY ignorereject        EXTENSION MAChs-ResetIndicator      PRESENCE optional },
    ...
}

-- *************************************************************
--
-- RADIO LINK RECONFIGURATION READY TDD
--
-- *************************************************************

RadioLinkReconfigurationReadyTDD ::= SEQUENCE {
    protocolIEs              ProtocolIE-Container      {{RadioLinkReconfigurationReadyTDD-IEs}},
    protocolExtensions           ProtocolExtensionContainer {{RadioLinkReconfigurationReadyTDD-Extensions}}            OPTIONAL,
    ...
}

RadioLinkReconfigurationReadyTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-RL-InformationResponse-RL-ReconfReadyTDD
                        CRITICALITY ignore  TYPE RL-InformationResponse-RL-ReconfReadyTDD   PRESENCE optional  } |
    --This RL-InformationResponse-RL-ReconfReadyTDD is for the first RL repetition in the list.
    --Repetitions 2 and on are defined in Multiple-RL-InformationResponse-RL-ReconfReadyTDD.
    { ID id-CriticalityDiagnostics       CRITICALITY ignore  TYPE CriticalityDiagnostics     PRESENCE optional },
    ...
}

RL-InformationResponse-RL-ReconfReadyTDD ::= SEQUENCE {
    rL-ID             RL-ID,
```

```
    max-UL-SIR                      UL-SIR          OPTIONAL,
    min-UL-SIR                      UL-SIR          OPTIONAL,
    maximumDLTxPower                DL-Power        OPTIONAL,
    minimumDLTxPower                DL-Power        OPTIONAL,
    secondary-CCPCH-Info-TDD        Secondary-CCPCH-Info-TDD    OPTIONAL,
    ul-CCTrCH-Information           UL-CCTrCH-InformationList-RL-ReconfReadyTDD     OPTIONAL,
    dl-CCTrCH-Information           DL-CCTrCH-InformationList-RL-ReconfReadyTDD OPTIONAL,
    dCHInformationResponse          DCH-InformationResponseList-RL-ReconfReadyTDD   OPTIONAL,
    dSCHsToBeAddedOrModified        DSCHToBeAddedOrModified-RL-ReconfReadyTDD   OPTIONAL,
    uSCHsToBeAddedOrModified        USCHToBeAddedOrModified-RL-ReconfReadyTDD   OPTIONAL,
    iE-Extensions                   ProtocolExtensionContainer { {RL-InformationResponse-RL-ReconfReadyTDD-ExtIEs} } OPTIONAL,
    ...
}

RL-InformationResponse-RL-ReconfReadyTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-HSDSCH-TDD-Information-Response    CRITICALITY ignore  EXTENSION HSDSCH-TDD-Information-Response    PRESENCE optional}|
    { ID id-UL-TimingAdvanceCtrl-LCR          CRITICALITY ignore  EXTENSION   UL-TimingAdvanceCtrl-LCR      PRESENCE optional },
    --For 1.28Mcps TDD only
    ...
}
```

UNCHANGED TEXT IS REMOVED

```
RadioLinkReconfigurationReadyTDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-HSDSCH-RNTI                CRITICALITY ignorereject           EXTENSION HSDSCH-RNTI              PRESENCE optional }|
    { ID id-DSCH-RNTI                  CRITICALITY ignore     EXTENSION DSCH-RNTI                PRESENCE optional }|
    { ID id-MAChs-ResetIndicator       CRITICALITY ignorereject           EXTENSION MAChs-ResetIndicator     PRESENCE optional }|
    { ID id-Multiple-RL-InformationResponse-RL-ReconfReadyTDD   CRITICALITY ignore     EXTENSION   Multiple-RL-InformationResponse-RL-
ReconfReadyTDD      PRESENCE    optional},
-- This is for RL repetitions 2 and on in RL list.
    ...
}

Multiple-RL-InformationResponse-RL-ReconfReadyTDD ::= SEQUENCE (SIZE (1..maxNrOfRLs-1)) OF RL-InformationResponse-RL-ReconfReadyTDD
```

UNCHANGED TEXT IS REMOVED

```
-- **************************************************************
--
-- RADIO LINK RECONFIGURATION RESPONSE FDD
--
-- **************************************************************

RadioLinkReconfigurationResponseFDD ::= SEQUENCE {
    protocolIEs                     ProtocolIE-Container      {{RadioLinkReconfigurationResponseFDD-IEs}},
    protocolExtensions              ProtocolExtensionContainer {{RadioLinkReconfigurationResponseFDD-Extensions}}          OPTIONAL,
    ...
}
```

```
RadioLinkReconfigurationResponseFDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-RL-InformationResponseList-RL-ReconfRspFDD     CRITICALITY ignore  TYPE RL-InformationResponseList-RL-ReconfRspFDD      PRESENCE
optional   } |
    { ID id-CriticalityDiagnostics          CRITICALITY ignore  TYPE CriticalityDiagnostics      PRESENCE optional },
    ...
}

RL-InformationResponseList-RL-ReconfRspFDD     ::= SEQUENCE (SIZE (0..maxNrOfRLs)) OF ProtocolIE-Single-Container { {RL-InformationResponse-RL-
ReconfRspFDD-IEs} }

RL-InformationResponse-RL-ReconfRspFDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-RL-InformationResponseItem-RL-ReconfRspFDD     CRITICALITY ignore  TYPE RL-InformationResponseItem-RL-ReconfRspFDD   PRESENCE
mandatory   }
}

RL-InformationResponseItem-RL-ReconfRspFDD ::= SEQUENCE {
    rL-ID                          RL-ID,
    max-UL-SIR                     UL-SIR        OPTIONAL,
    min-UL-SIR                     UL-SIR        OPTIONAL,
    maximumDLTxPower               DL-Power      OPTIONAL,
    minimumDLTxPower               DL-Power      OPTIONAL,
    secondary-CCPCH-Info           Secondary-CCPCH-Info      OPTIONAL,
    dCHsInformationResponseList    DCH-InformationResponseList-RL-ReconfRspFDD OPTIONAL,
    dL-CodeInformationList-RL-ReconfResp   DL-CodeInformationList-RL-ReconfRspFDD  OPTIONAL,
    iE-Extensions                  ProtocolExtensionContainer { {RL-InformationResponseItem-RL-ReconfRspFDD-ExtIEs} } OPTIONAL,
    ...
}

RL-InformationResponseItem-RL-ReconfRspFDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-DL-PowerBalancing-UpdatedIndicator  CRITICALITY ignore     EXTENSION      DL-PowerBalancing-UpdatedIndicator    PRESENCE optional}|
    { ID id-HSDSCH-FDD-Information-Response    CRITICALITY ignore     EXTENSION      HSDSCH-FDD-Information-Response       PRESENCE optional},
    ...
}

DCH-InformationResponseList-RL-ReconfRspFDD             ::= ProtocolIE-Single-Container { {DCH-InformationResponseListIEs-RL-ReconfRspFDD} }

DCH-InformationResponseListIEs-RL-ReconfRspFDD RNSAP-PROTOCOL-IES ::= {
    { ID id-DCH-InformationResponse     CRITICALITY ignore  TYPE DCH-InformationResponse       PRESENCE mandatory }
}

DL-CodeInformationList-RL-ReconfRspFDD ::= ProtocolIE-Single-Container {{ DL-CodeInformationListIEs-RL-ReconfRspFDD }}

DL-CodeInformationListIEs-RL-ReconfRspFDD RNSAP-PROTOCOL-IES ::= {
    { ID id-FDD-DL-CodeInformation   CRITICALITY ignore TYPE FDD-DL-CodeInformation     PRESENCE optional }
}

RadioLinkReconfigurationResponseFDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-HSDSCH-RNTI            CRITICALITY ignore reject        EXTENSION HSDSCH-RNTI             PRESENCE optional }|
    { ID id-MAChs-ResetIndicator   CRITICALITY ignore reject        EXTENSION MAChs-ResetIndicator      PRESENCE optional },
    ...
}

-- *************************************************************
```

```
--
-- RADIO LINK RECONFIGURATION RESPONSE TDD
--
-- *************************************************************

RadioLinkReconfigurationResponseTDD ::= SEQUENCE {
    protocolIEs                     ProtocolIE-Container        {{RadioLinkReconfigurationResponseTDD-IEs}},
    protocolExtensions              ProtocolExtensionContainer {{RadioLinkReconfigurationResponseTDD-Extensions}}                    OPTIONAL,
    ...
}

RadioLinkReconfigurationResponseTDD-IEs RNSAP-PROTOCOL-IES ::= {
    { ID id-RL-InformationResponse-RL-ReconfRspTDD     CRITICALITY ignore  TYPE RL-InformationResponse-RL-ReconfRspTDD       PRESENCE optional }
|
    --This RL-InformationResponse-RL-ReconfRspTDD is for the first RL repetition in the list.
    --Repetitions 2 and on are defined in Multiple-RL-InformationResponse-RL-ReconfRspTDD.
    { ID id-CriticalityDiagnostics        CRITICALITY ignore  TYPE CriticalityDiagnostics       PRESENCE optional },
    ...
}

RL-InformationResponse-RL-ReconfRspTDD ::= SEQUENCE {
    rL-ID                           RL-ID,
    max-UL-SIR                      UL-SIR          OPTIONAL,
    min-UL-SIR                      UL-SIR          OPTIONAL,
    maximumDLTxPower                DL-Power        OPTIONAL,
    minimumDLTxPower                DL-Power        OPTIONAL,
    dCHsInformationResponseList     DCH-InformationResponseList-RL-ReconfRspTDD OPTIONAL,
    iE-Extensions                   ProtocolExtensionContainer { {RL-InformationResponse-RL-ReconfRspTDD-ExtIEs} } OPTIONAL,
    ...
}

RL-InformationResponse-RL-ReconfRspTDD-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-DL-CCTrCH-InformationList-RL-ReconfRspTDD   CRITICALITY ignore  EXTENSION DL-CCTrCH-InformationList-RL-ReconfRspTDD   PRESENCE optional
}|
    { ID id-UL-TimingAdvanceCtrl-LCR                    CRITICALITY ignore  EXTENSION UL-TimingAdvanceCtrl-LCR     PRESENCE optional }|
    --For 1.28Mcps TDD only
    { ID id-HSDSCH-TDD-Information-Response             CRITICALITY ignore  EXTENSION HSDSCH-TDD-Information-Response    PRESENCE optional},
    ...
}
```

<mark>UNCHANGED TEXT IS REMOVED</mark>

```
RadioLinkReconfigurationResponseTDD-Extensions RNSAP-PROTOCOL-EXTENSION ::= {
    { ID id-HSDSCH-RNTI             CRITICALITY ignore          EXTENSION HSDSCH-RNTI              PRESENCE optional }|
    { ID id-MAChs-ResetIndicator    CRITICALITY ignore          EXTENSION MAChs-ResetIndicator        PRESENCE optional }|
    { ID id-RL-ReconfigurationResponseTDD-RL-Information    CRITICALITY ignore     EXTENSION    Multiple-RL-InformationResponse-RL-ReconfRspTDD
    PRESENCE     optional},
    ...
}

Multiple-RL-InformationResponse-RL-ReconfRspTDD ::= SEQUENCE (SIZE (1..maxNrOfRLs-1)) OF RL-InformationResponse-RL-ReconfRspTDD
```

--Includes the 2nd through the max number of radio link information repetitions.

UNCHANGED TEXT IS REMOVED

*CR-Form-v7*

# CHANGE REQUEST

| ⌘ | **25.423 CR 943** | ⌘**rev** | **-** | ⌘ | Current version: | **5.8.0** | ⌘ |

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

**Proposed change affects:**   UICC apps⌘ ☐   ME ☐   Radio Access Network **X**   Core Network ☐

| | | |
|---|---|---|
| ***Title:*** ⌘ | GA Incompatibility issue | |
| ***Source:*** ⌘ | RAN3 | |
| ***Work item code:***⌘ | TEI5 | ***Date:*** ⌘ 16/02/2004 |

| | | | |
|---|---|---|---|
| ***Category:*** ⌘ | **F** | ***Release:*** ⌘ | Rel-5 |

*Use one of the following categories:*
  ***F*** *(correction)*
  ***A*** *(corresponds to a correction 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.

*Use one of the following releases:*
  *2     (GSM Phase 2)*
  *R96  (Release 1996)*
  *R97  (Release 1997)*
  *R98  (Release 1998)*
  *R99  (Release 1999)*
  *Rel-4 (Release 4)*
  *Rel-5 (Release 5)*
  *Rel-6 (Release 6)*

| | |
|---|---|
| ***Reason for change:*** ⌘ | At RAN3#39, CR 894 has been agreed. This CR corrects the Release 5 of the specification. Among the approved corrections, the ASN.1 definition of the *Altitude And Direction* IE and the *Uncertainty Ellipse* IE has been changed to include an Extension Container in the sequence. However, these IEs exist since Rel-4 and such a correction in Rel-5 only creates an incompatibility between the two releases. |
| ***Summary of change:***⌘ | The Extension Container in the sequence in the ASN.1 definition of the *Altitude And Direction* IE and the *Uncertainty Ellipse* IE is removed in the Rel-5 specification.

Impact Analysis:

Impact assessment towards the previous version of the specification (same release):

This CR has isolated impact with the previous version of the specification (same release) because it affects only Cell Geographical Area information provided by the DRNC.

This CR has an impact under functional and protocol point of view.

The impact can be considered isolated because the change affects one system function namely providing Cell Geographical Area information from the DRNC to the SRNC. |
| ***Consequences if*** ⌘ ***not approved:*** | Incompatibility between Rel-4 and Rel-5 of RNSAP will remain. |

| Clauses affected: | ⌘ | 9.3.4 | | | | |
|---|---|---|---|---|---|---|
| | | **Y** | **N** | | | |
| **Other specs affected:** | ⌘ | **X** | | Other core specifications | ⌘ | CR 944 on 25.423 v 6.0.0 |
| | | | **X** | Test specifications | | |
| | | | **X** | O&M Specifications | | |
| **Other comments:** | ⌘ | | | | | |

## How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text.  Delete those parts of the specification which are not relevant to the change request.

## 9.3.4    Information Element Definitions

```
-- *************************************************************
--
-- Information Element Definitions
--
-- *************************************************************

RNSAP-IEs {
itu-t (0) identified-organization (4) etsi (0) mobileDomain (0)
umts-Access (20) modules (3) rnsap (1) version1 (1) rnsap-IEs (2) }

DEFINITIONS AUTOMATIC TAGS ::=

BEGIN
```

UNCHANGED TEXT IS REMOVED

```
GA-Cell ::= SEQUENCE (SIZE (1..maxNrOfPoints)) OF
    SEQUENCE {
        cell-GAIgeographicalCoordinate      GeographicalCoordinate,
        iE-Extensions              ProtocolExtensionContainer { {GA-Cell-ExtIEs} } OPTIONAL,
        ...
    }

GA-Cell-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

GA-CellAdditionalShapes ::= CHOICE {
    pointWithUncertainty                        GA-PointWithUnCertainty,
    pointWithUncertaintyEllipse                 GA-PointWithUnCertaintyEllipse,
    pointWithAltitude                           GA-PointWithAltitude,
    pointWithAltitudeAndUncertaintyEllipsoid    GA-PointWithAltitudeAndUncertaintyEllipsoid,
    ellipsoidArc                                GA-EllipsoidArc,
    ...
    }

GA-AltitudeAndDirection ::= SEQUENCE {
    directionOfAltitude    ENUMERATED {height, depth},
    altitude               INTEGER (0..32767),
    iE-Extensions          ProtocolExtensionContainer { { GA-AltitudeAndDirection-ExtIEs} } OPTIONAL,
    ...
}

GA-AltitudeAndDirection-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}
```

```
GA-EllipsoidArc ::= SEQUENCE {
    geographicalCoordinates     GeographicalCoordinate,
    innerRadius                 INTEGER (0..65535),
    uncertaintyRadius           INTEGER (0..127),
    offsetAngle                 INTEGER (0..179),
    includedAngle               INTEGER (0..179),
    confidence                  INTEGER (0..127),
    iE-Extensions               ProtocolExtensionContainer { { GA-EllipsoidArc-ExtIEs} } OPTIONAL,
    ...
}

GA-EllipsoidArc-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

GA-PointWithAltitude ::= SEQUENCE {
    geographicalCoordinates     GeographicalCoordinate,
    altitudeAndDirection        GA-AltitudeAndDirection,
    iE-Extensions               ProtocolExtensionContainer { { GA-PointWithAltitude-ExtIEs} } OPTIONAL,
    ...
}

GA-PointWithAltitude-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

GA-PointWithAltitudeAndUncertaintyEllipsoid ::= SEQUENCE {
    geographicalCoordinates     GeographicalCoordinate,
    altitudeAndDirection        GA-AltitudeAndDirection,
    uncertaintyEllipse          GA-UncertaintyEllipse,
    uncertaintyAltitude         INTEGER (0..127),
    confidence                  INTEGER (0..127),
    iE-Extensions               ProtocolExtensionContainer { { GA-PointWithAltitudeAndUncertaintyEllipsoid-ExtIEs} } OPTIONAL,
    ...
}

GA-PointWithAltitudeAndUncertaintyEllipsoid-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

GA-PointWithUnCertaintyEllipse ::= SEQUENCE {
    geographicalCoordinates     GeographicalCoordinate,
    uncertaintyEllipse          GA-UncertaintyEllipse,
    confidence                  INTEGER (0..127),
    iE-Extensions               ProtocolExtensionContainer { { GA-PointWithUnCertaintyEllipse-ExtIEs} } OPTIONAL,
    ...
}

GA-PointWithUnCertaintyEllipse-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

GA-UncertaintyEllipse ::= SEQUENCE {
```

```
    uncertaintySemi-major      INTEGER (0..127),
    uncertaintySemi-minor      INTEGER (0..127),
    orientationOfMajorAxis     INTEGER (0..179),    -- The values 90..179 shall not be used.
    iE-Extensions              ProtocolExtensionContainer { { GA-UncertaintyEllipse-ExtIEs} } OPTIONAL, ...
}

GA-UncertaintyEllipse-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

GA-PointWithUnCertainty ::=SEQUENCE {
    geographicalCoordinates    GeographicalCoordinate,
    uncertaintyCode            INTEGER (0..127),
    iE-Extensions              ProtocolExtensionContainer { {GA-PointWithUnCertainty-ExtIEs} } OPTIONAL,
    ...
}

GA-PointWithUnCertainty-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

GA-AccessPointPosition ::= SEQUENCE {
    geographicalCoordinate     GeographicalCoordinate,
    iE-Extensions              ProtocolExtensionContainer { {GA-AccessPoint-ExtIEs} } OPTIONAL,
    ...
}

GA-AccessPoint-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}
```

UNCHANGED TEXT IS REMOVED

<div style="text-align:right">*CR-Form-v7*</div>

# CHANGE REQUEST

| ⌘ | **25.423** CR **944** | ⌘**rev** | **-** | ⌘ Current version: | **6.0.0** | ⌘ |

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

**Proposed change affects:** UICC apps⌘ ☐ ME ☐ Radio Access Network **X** Core Network ☐

| | | | | | |
|---|---|---|---|---|---|
| *Title:* | ⌘ | GA Incompatibility issue | | | |
| *Source:* | ⌘ | RAN3 | | | |
| *Work item code:*⌘ | TEI5 | | *Date:* ⌘ | 16/02/2004 | |
| *Category:* | ⌘ | **A** | *Release:* ⌘ | Rel-6 | |

Use <u>one</u> of the following categories:
**F** (correction)
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| *Reason for change:* | ⌘ | At RAN3#39, CR 894 has been agreed. This CR corrects the Release 5 of the specification. Among the approved corrections, the ASN.1 definition of the *Altitude And Direction* IE and the *Uncertainty Ellipse* IE has been changed to include an Extension Container in the sequence. However, these IEs exist since Rel-4 and such a correction in Rel-5 only creates an incompatibility between the two releases. |
| *Summary of change:*⌘ | | The Extension Container in the sequence in the ASN.1 definition of the *Altitude And Direction* IE and the *Uncertainty Ellipse* IE is removed in the Rel-6 specification. |
| | | Impact Analysis: |
| | | Impact assessment towards the previous version of the specification (same release): |
| | | This CR has isolated impact with the previous version of the specification (same release) because it affects only Cell Geographical Area information provided by the DRNC. |
| | | This CR has an impact under functional and protocol point of view. |
| | | The impact can be considered isolated because the change affects one system function namely providing Cell Geographical Area information from the DRNC to the SRNC. |
| *Consequences if not approved:* | ⌘ | Incompatibility between Rel-4 and Rel-5(Rel-6) of RNSAP will remain. |

| Clauses affected: | ⌘ | 9.3.4 | | | | |
|---|---|---|---|---|---|---|
| | | **Y** | **N** | | | |
| **Other specs affected:** | ⌘ | X | | Other core specifications | ⌘ | CR 943 on 25.423 v 5.8.0 |
| | | | X | Test specifications | | |
| | | | X | O&M Specifications | | |
| **Other comments:** | ⌘ | | | | | |

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    SEQUENCE {
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        iE-Extensions           ProtocolExtensionContainer { {GA-Cell-ExtIEs} } OPTIONAL,
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GA-Cell-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

GA-CellAdditionalShapes ::= CHOICE {
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    ellipsoidArc                                GA-EllipsoidArc,
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GA-EllipsoidArc ::= SEQUENCE {
```

```
    geographicalCoordinates     GeographicalCoordinate,
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    offsetAngle                 INTEGER (0..179),
    includedAngle               INTEGER (0..179),
    confidence                  INTEGER (0..127),
    iE-Extensions               ProtocolExtensionContainer { { GA-EllipsoidArc-ExtIEs} } OPTIONAL,
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}

GA-EllipsoidArc-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

GA-PointWithAltitude ::= SEQUENCE {
    geographicalCoordinates     GeographicalCoordinate,
    altitudeAndDirection        GA-AltitudeAndDirection,
    iE-Extensions               ProtocolExtensionContainer { { GA-PointWithAltitude-ExtIEs} } OPTIONAL,
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GA-PointWithAltitude-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
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}

GA-PointWithAltitudeAndUncertaintyEllipsoid ::= SEQUENCE {
    geographicalCoordinates     GeographicalCoordinate,
    altitudeAndDirection        GA-AltitudeAndDirection,
    uncertaintyEllipse          GA-UncertaintyEllipse,
    uncertaintyAltitude         INTEGER (0..127),
    confidence                  INTEGER (0..127),
    iE-Extensions               ProtocolExtensionContainer { { GA-PointWithAltitudeAndUncertaintyEllipsoid-ExtIEs} } OPTIONAL,
    ...
}

GA-PointWithAltitudeAndUncertaintyEllipsoid-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

GA-PointWithUnCertaintyEllipse ::= SEQUENCE {
    geographicalCoordinates     GeographicalCoordinate,
    uncertaintyEllipse          GA-UncertaintyEllipse,
    confidence                  INTEGER (0..127),
    iE-Extensions               ProtocolExtensionContainer { { GA-PointWithUnCertaintyEllipse-ExtIEs} } OPTIONAL,
    ...
}

GA-PointWithUnCertaintyEllipse-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

GA-UncertaintyEllipse ::= SEQUENCE {
    uncertaintySemi-major       INTEGER (0..127),
```

```
    uncertaintySemi-minor        INTEGER (0..127),
    orientationOfMajorAxis       INTEGER (0..179),   -- The values 90..179 shall not be used.
    iE-Extensions                ProtocolExtensionContainer { { GA-UncertaintyEllipse-ExtIEs} } OPTIONAL, ...
}

GA-UncertaintyEllipse-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

GA-PointWithUnCertainty ::=SEQUENCE {
    geographicalCoordinates     GeographicalCoordinate,
    uncertaintyCode             INTEGER (0..127),
    iE-Extensions               ProtocolExtensionContainer { {GA-PointWithUnCertainty-ExtIEs} } OPTIONAL,
    ...
}

GA-PointWithUnCertainty-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}

GA-AccessPointPosition ::= SEQUENCE {
    geographicalCoordinate      GeographicalCoordinate,
    iE-Extensions               ProtocolExtensionContainer { {GA-AccessPoint-ExtIEs} } OPTIONAL,
    ...
}

GA-AccessPoint-ExtIEs RNSAP-PROTOCOL-EXTENSION ::= {
    ...
}
```

UNCHANGED TEXT IS REMOVED