**3GPP TSG-RAN WG3 Meeting #124 *R3-243894***

**Fukuoka, Japan, 20-24 May 2024**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **36.401** | **CR** | **0093** | **rev** | **1** | **Current version:** | **18.0.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network | **x** | Core Network |  |

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| ***Title:*** | Rapporteur update for 36.401 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | NEC | | | | | | | | | |
| ***Source to TSG:*** | R3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI18 | | | | |  | ***Date:*** | | | 2024-05-20 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **D** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19) Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Rapporteur review of specification and found some editorial correction | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | “NDS/IP (3GPP TS 33.401 [16]” is updated.  mpact Analysis:  Impact assessment towards the previous version of the specification (same release):  This CR has no impact to any functionality | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The spec remains editorial mistake. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **x** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **x** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **x** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Rev 0: R3-243257  Rev 1:   * Changed title from “Rapporteur update for 36.401-CR”. * Added in cover page the Consequences if not approved. | | | | | | | | |

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| *Start of change part* |

# 6 E-UTRAN architecture

## 6.1 Overview



Figure 6.1-1 Overall architecture

The LTE architecture can be further described as follows:

The E-UTRAN consists of a set of eNBs connected to the EPC through the S1.

An eNB can support FDD mode, TDD mode or dual mode operation.

eNBs can be interconnected through the X2.

S1 and X2 are logical interfaces.

The E-UTRAN is layered into a Radio Network Layer (RNL) and a Transport Network Layer (TNL).

The E-UTRAN architecture, i.e. the E-UTRAN logical nodes and interfaces between them, is defined as part of the RNL.

For each E-UTRAN interface (S1, X2) the related TNL protocol and the functionality are specified. The TNL provides services for user plane transport, signalling transport.

In S1-Flex configuration, each eNB is connected to all EPC nodes within a pool area. The pool area is defined in 3GPP TS 23.401 [3].

If security protection for control plane and user plane data on TNL of E-UTRAN interfaces has to be supported, NDS/IP as described in 3GPP TS 33.401 [16] shall be applied.

The eMBMS architecture is defined in 3GPP TS 36.440 [6].

**Skip unchanged part**