

Cluster Acceptance Report

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| --- | --- | --- | --- | --- | --- |
| Optimization Cluster No.: | | 0,1 | 0,2 | | 0,3 |
| 1,0 | | 1,1 | 1,3 |
| 2,0 | | 2,1 | 2,2 | | 2,3 |
| 3,0 | 3,1 | 3,2 | 3,3 | 3,4 | 3,5 |
| 4,1 | 4,2 | 4,3 | 4,4 | 4,5 |
| 5,0 | | 5,1 | 5,2 | | 5,3 |
| 6,0 | | 6,1 | 6,2 | | 6,3 |

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**1 Scope**

The purpose of this document is to present the Cluster Acceptance standard and Result of TE LTE project.

**2 Acceptance KPI**

Ninety percent (90%) of sites of the desired cluster should be on air before starting the cluster test. Only agreed special cases of some sites will be considered as standalone sites (SSV) and will be excluded from the cluster acceptance.

**2.1 Drive Test KPIs (Cluster Level)**

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| 0,0 | 0,1 |
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**2.2 OSS KPIs (Cluster Level)**

|  |  |
| --- | --- |
| 0,0 | 0,1 |
| 1,0 | 1,1 |
| 2,0 | 2,1 |
| 3,0 | 3,1 |
| 4,0 | 4,1 |
| 5,0 | 5,1 |
| 6,0 | 6,1 |
| 7,0 | 7,1 |
| 8,0 | 8,1 |
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**Drive Test Criteria**

Detailed routes are considered shared for validation before DT start.

OSS RFP KPIs commitment to be communicated

Below rounds to be considered in DT and targets following DT RFP commitment.

a) L700 locked connected:

Round 1: UE DL + UE CSFB MO.

Round 2: UE DL 100% load.

Round 3: UE UL.

b) L1800 locked connected:

Round 4: UE DL + UE CSFB MT.

Round 5: UE DL 100% load.

Round 6: UE UL.

c) Free Connected:

Round 7: UE DL + IDLE.

Round 8: (You tube + Web browsing in same round) (Measurements Only).

In parallel design validation should be assessed following Nokia RFP commitment and taking into consideration the below KPIs:

Within 4db of the best server:

% of area with 4 servers or more should be <2%

% of area with 2 servers or more should be <35%

Within 10db of the best server:

% of area with 7 servers or more should be <2%

Average and % of achievement for both 700Mhz and 1800Mhz under 100% load following “TE\_RFP\_Coverage Results\_v16” design commitment sheet for (RSRP, RSRQ, SNR, DL and UL Throughput).

**4 Definitions of KPI Formula**

|  |  |
| --- | --- |
| 0,0 | 0,1 |
| 1,0 | 1,1 |
| 2,0 | 2,1 |
| 3,0 | 3,1 |
| 4,0 | 4,1 |
| 5,0 | 5,1 |
| 6,0 | 6,1 |
| 7,0 | 7,1 |
| 8,0 | 8,1 |
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**5 Drive Test Definition**

**5.1 Drive Test devices**

The followings are the general tools configuration of the drive test.

|  |  |
| --- | --- |
| 0,0 | 0,1 |
| 1,0 | 1,1 |
| 2,0 | 2,1 |
| 3,0 | 3,1 |
| 4,0 | 4,1 |
| 5,0 | 5,1 |
| 6,0 | 6,1 |
| 7,0 | 7,1 |
| 8,0 | 8,1 |

Cluster Site List