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**Network-as-a-Service Runbook**

**RAN Architecture Report Template**

**(Draft)**

**Facebook NaaS Runbook**



*April, 2020*

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# Document Control

'- Revision Control sheet allows to maintain a record of changes made on the document.

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| --- | --- | --- | --- |
| Version N° | Issue Date | Status | Reasons for Change |
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Table 1. Revision History

# About Design Template

## Document Purpose

The purpose of this document is to outline the Reference RAN Architecture.

The document is split into following main section and subsections:

* Reference RAN Architecture
  + RF Specification
  + RAN Topology and Scenarios
  + Functional Requirements
  + Engineering Guidelines

*Note: The above sections may change depending on the customer’s needs*

## Document Usage Guidelines

The document is intended to provide a based structure that fulfills the requirements outlined by NaaS Operator.

Reference RAN Architecture provides principles and guidelines to ensure the definition of a RAN Architecture that complies with its service and business requirements.

# Executive Summary

Brief summary of the Reference RAN Architecture that management team can examine to rapidly become acquainted with RAN Architecture content without the necessity to read the complete document.

# Introduction

Brief introduction to document highlighting main parameters and decisions taken during RAN Architecture definition process:

*NaaS Operator may decide which parameters will highlight.*

* RF Main parameters:
* RAN Topology
* Functional Requirements

# Reference RAN Architecture

Details for about the defined RAN Architecture, highlighting its most important component and parameters.

Finally, summary of the Engineering Guidelines.

## RF Specification

### Band and Guard band criteria

### Transmitter Power criteria

## RAN Topology and Scenarios

### BTS Architecture and Types criteria

### Deployment Scenario criteria

### Demarcation Point criteria

## Functional Requirements

### RAN Sharing Scheme criteria

### Voice Services Implementation criteria

### Equipment and Functionalities requirements and criteria

## Engineering Guidelines

### Coverage and Capacity Guidelines criteria

### Infrastructure Requirements criteria