

**Agenda Item:** 8.3  
**Source:** Nokia  
**Title:** **UTRAN Definitions**  
**Document for:** Decision

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## 1 Introduction

During the discussion on Iu SWG of RAN WG3 mtg #6, Nokia was asked to draft definitions for source SRNC and target SRNC to be used e.g. in description of relocation procedure.

Based on the results of offline discussions this paper proposes a draft for the definitions that could be used to identify the different objects that need to be addressed in UTRAN specifications related to the relocation of SRNS..

## 2 Proposed definitions

### Relocation of SRNS

Relocation of SRNS is a UMTS functionality used to relocate the serving RNS role from one RNS (or equivalent functionality from an other relocation source external to UMTS) to another RNS (or to an other relocation target external to UMTS). This UMTS functionality is realised by several elementary procedures executed in several interfaces and by several protocols and it may or may not involve a change in the radio resources used between UTRAN and UE.

### Serving RNS (SRNS)

A role an RNS can take with respect to a specific connection between an UE and UTRAN. ~~There is one Serving RNS for each UE that has a connection to UTRAN.~~ The Serving RNS is in charge of the radio connection between a UE and the UTRAN. The Serving RNS terminates the Iu for this UE.

At a given time there is one Serving RNS for each UE that has a connection to UTRAN, except that during execution of procedures related to the UTRAN functionality relocation of SRNS there exists a time period during which the location of SRNS role is dependent on the UMTS node at which the SRNS role determination is made.

### Serving RNC (SRNC)

SRNC is the RNC belonging to SRNS.

### Source RNS

A role, with respect to a specific connection between an UE and UTRAN, that RNS takes when it decides to initiate a relocation of SRNS.

### Source RNC

Source RNC is the RNC belonging to source RNS.

### Target RNS

A role an RNC gets with respect to a specific connection between UE and UTRAN when it is being a subject of a relocation of SRNS which is being made towards that RNC.

### Target RNC

Target RNC is the RNC belonging to target RNS.