

**Agenda Item:**

**Source: BT**

**Title: Iu Interface Definitions**

**Document for: Approval**

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## **1. Introduction**

Currently there is no agreed definition for the Source and Target SRNS/C, although there is a suitable placeholder in the documentation [1]. This document proposes definitions and also that the defined terms are used consistently in the Iu documentation. It is not proposed to include any of the italic text in the definitions – this is only for clarification.

## **2. Proposed Definitions**

Source SRNC – This term describes the RNC that fulfils the role of SRNC before the successful completion of the ongoing procedure (e.g. Relocation). An RNC remains as the Source SRNC for the duration of the elementary procedure. The Source SRNC belongs to the Source SRNS.

Target SRNC – This term describes the RNC that fulfils the role of SRNC after the successful completion of the ongoing procedure (e.g. Relocation). An RNC remains as the Target SRNC for the duration of the elementary procedure. The Target SRNC belongs to the Target SRNS.

*These definitions are deliberately unspecific about the precise time that the Target SRNC becomes the SRNC, to enable the elementary procedures to be properly defined and for the failure cases to be unambiguously described.*

*The use of SRNC (rather than RNC) is at the suggestion of the RAN3 chairman, in order to make it simpler to correlate the RANAP and RNSAP specifications. While the letter S is redundant on the Iu interface, it does make the overall system simpler to understand if it is used. However, it does introduce some confusion for the CL procedures (e.g. paging) where there may be no SRNC defined, and the message may anyway be sent to several RNCs.*

## **3. Other Related Proposals**

It is further proposed to use SRNC and CN consistently as the termination points for RANAP connection oriented procedures and the Iu user plane protocol. In cases

involving more than one SRNC (e.g. Relocation), then Source SRNC, Target SRNC (as defined above) and CN should be used.

For RANAP connectionless procedures, RNC and CN should be used as the termination points.

#### **4. References**

[1] UMTS 25.410 - UTRAN Iu Interface, General Aspects and Principles