

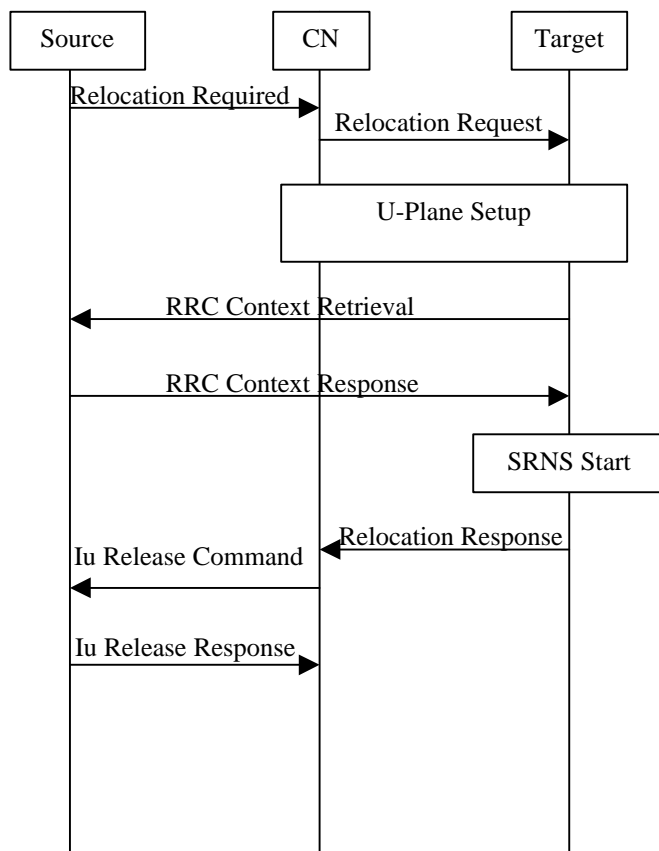
Agenda Item: 6.2
Source: Study Item Rapporteur (BT)
Title: Iu/3 SRNS Relocation
Document for: Decision

Introduction

This study item was to decide between the ARIB/TTC and ETSI proposals for the SRNS Procedure. There has been some discussion by email and an agreement. The key points are summarised in this document.

Candidate Flows

The figures below show the candidate flows, although it should be noted that some of the message names have been abbreviated. It is clear that the main difference is whether the RRC context retrieval is performed via the CN (ETSI), or using the Iur (ARIB/TTC).

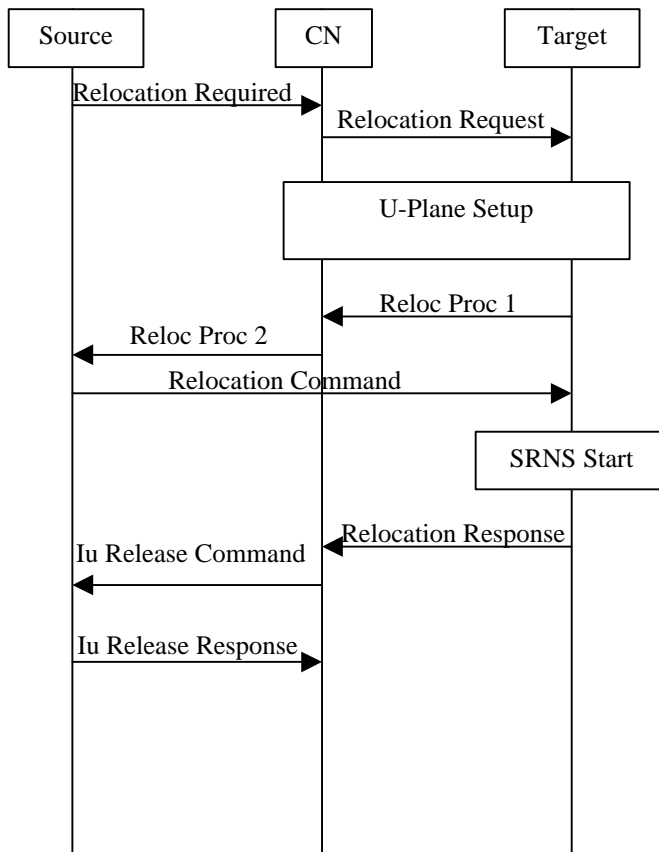


This is the ARIB/TTC proposal. The advantages identified are:

- it keeps more UTRAN specific signalling within UTRAN
- the CN does not need to see the RRC context information
- the RRC context information may be more up to date (depending on what is sent in ETSI Relocation Command)

But it has some problems:

- it is not clear how it can cope with a failure/delay from one CN node, when the other is OK
- in general the failure cases require special treatment, as the success messages cannot be directly replaced with failure messages



This is the ETSI proposal. The advantages identified are:

- it is very similar to the CN switching handover procedure, and so should fit well with MAP/E
- Source RNS can wait for all Proceeding 2 messages before sending Relocation Command
- it is simpler for the CN to estimate the switch time, as it is involved later in the procedure
- if there is a CN suspend, it can be shorter

But the problems are:

- additional signalling via CN

Other Comments

It was noted that there are two ways of retrieving buffered user data, which depend on the architectural decisions taken by TSG-SA WG2. We have already sent them a LS on this issue (from Bonn). However, this study item is primarily concerned with the C-plane interactions.

It was also commented that it is unclear exactly what was in/out of the RRC context information. This was not clarified on the email exploder. In particular, it was not shown how any buffered U-plane data is retrieved from the Source RNS.

Finally, it was not understood how the Target RNS matched Iu transport bearers to radio legs in the ARIB/TTC proposal.

Decision

It has been agreed on the email reflector that the solution using Proceeding 1 and Proceeding 2 messages should be used as the starting point for future development work in RAN WG3.