TSG-RAN Meeting #16
Marco Island, FL, USA, 4 - 7 June 2002

RP-020340

Title: **Agreed CRs (Release 4) to TS 25.844**

Source: **TSG-RAN WG2**

Agenda item: **7.2.4**

Doc-1st-	Status-	Spec	CR	Rev	Phase	Subject	Cat	Version	Versio	Workite
R2-021467	agreed	25.844	004		Rel-4	Corrections on ROHC state transitions	F	4.1.0	4.2.0	RANimp-RABSE

3GPP TSG-RAN WG2 Meeting #29
GyeongJu, Korea, 13 - 17 May 2002

R2-021467

CR-Form-v3

CHANGE REQUEST

⌘ **25.844** **CR** **004** ⌘ rev **-** ⌘ Current version: **4.1.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: ⌘ (U)SIM ☐ ME/UE **X** Radio Access Network **X** Core Network ☐

Title:	⌘	Corrections on ROHC state transitions
Source:	⌘	TSG-RAN WG2
Work item code:	⌘	RANimp-RABSE
Date:	⌘	May 2002
Category:	⌘	**F**
Release:	⌘	REL-4

Use one of the following categories:
- ***F*** *(essential correction)*
- ***A*** *(corresponds to a correction in an earlier release)*
- ***B*** *(Addition of feature),*
- ***C*** *(Functional modification of feature)*
- ***D*** *(Editorial modification)*

Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
REL-4	*(Release 4)*
REL-5	*(Release 5)*

Reason for change:	⌘	There are misalignment between RFC3095 and 25.844 spec of ROHC state transition at each mode.
Summary of change:	⌘	The state transition of compressor and decompressor at each mode is clarified according to RFC3095.
Consequences if not approved:	⌘	Error still remains in the spec.

Clauses affected:	⌘	5.1.6.1.1, 5.1.6.1.2, 5.1.6.2.1, 5.1.6.2.2, 5.1.6.3.1, 5.1.6.3.2		
Other specs affected:	⌘	**X** Other core specifications ☐ Test specifications ☐ O&M Specifications	⌘	TR 25.860
Other comments:	⌘			

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://www.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2000-09 contains the specifications resulting from the September 2000 TSG meetings.
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

5.1.6 State transitions

The allowed state transitions are shown in Figure 2 and the rules and packets formats that are required are briefly described in the following subclause of this subclause. A more detailed description can be found in [6].

Figure 2: State transitions

5.1.6.1 Uni-directional mode

5.1.6.1.1 Compressor

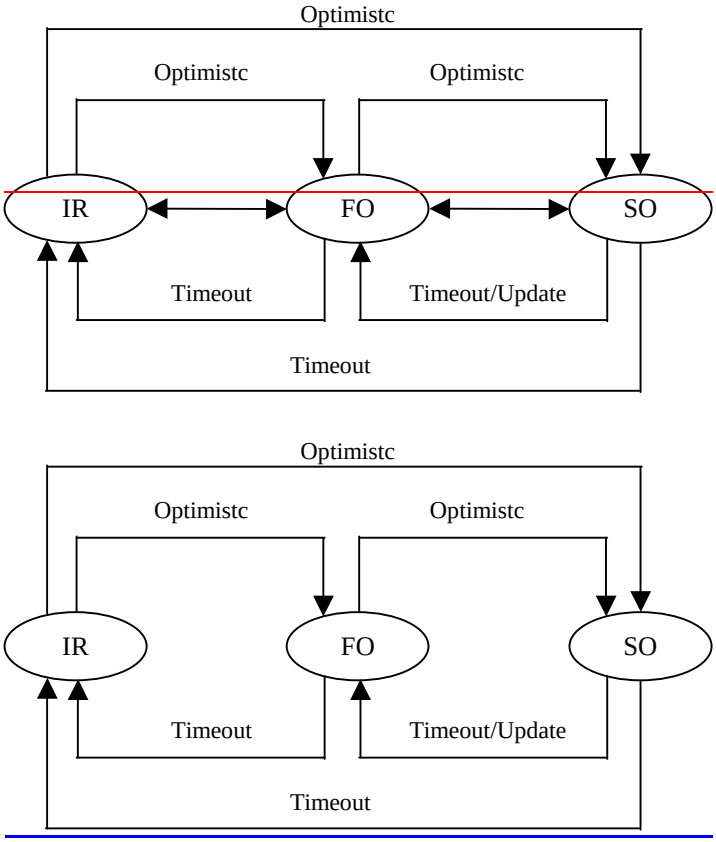

Figure 3: Uni-directional mode compressor logic

5.1.6.1.2 Decompressor

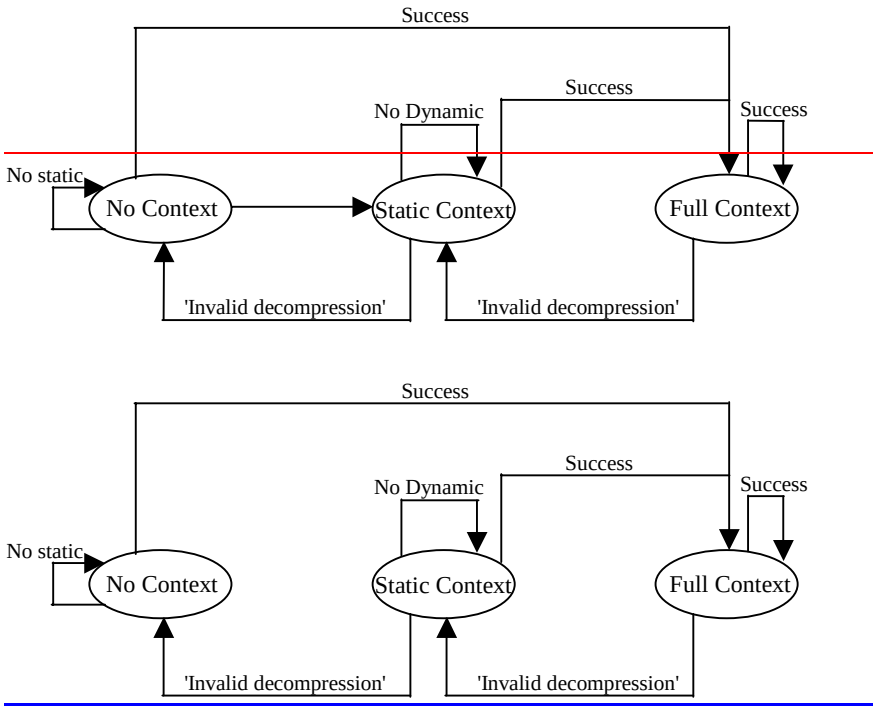

Figure 4: Uni-directional mode decompressor logic

5.1.6.2 Bi-directional optimistic

5.1.6.2.1 Compressor

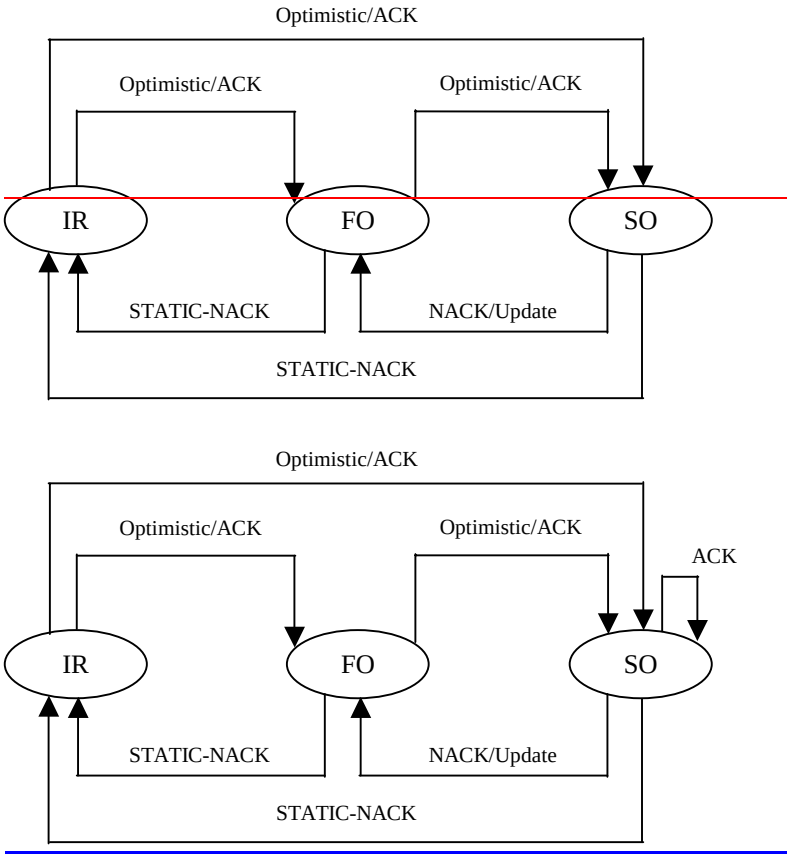

Figure 5: Optimistic mode compressor logic

5.1.6.2.2 Decompressor

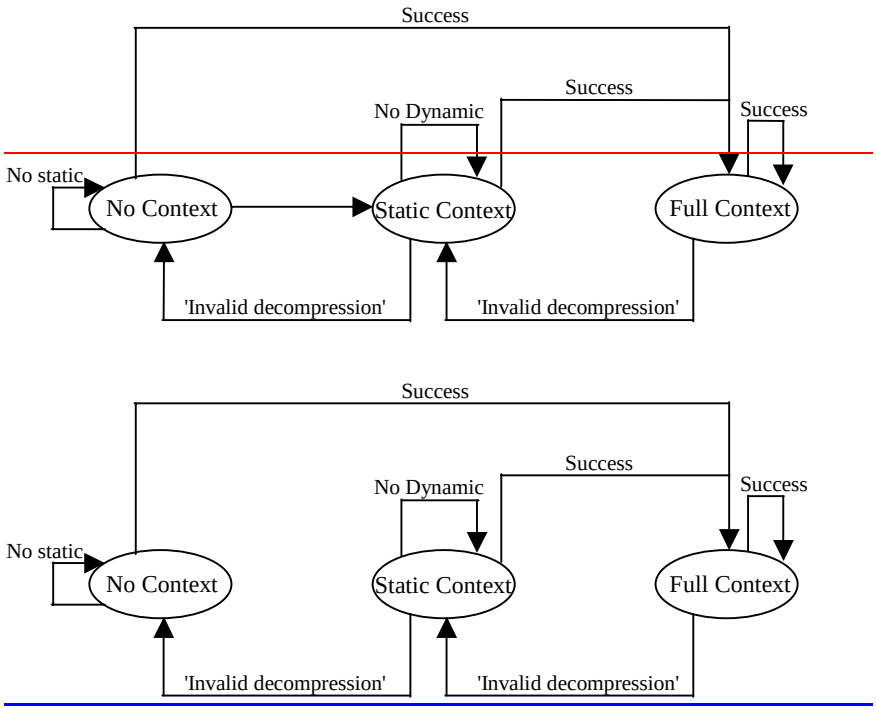

Figure 6: Bi-directional optimistic mode decompressor logic

5.1.6.3 Bi-directional reliable

5.1.6.3.1 Compressor

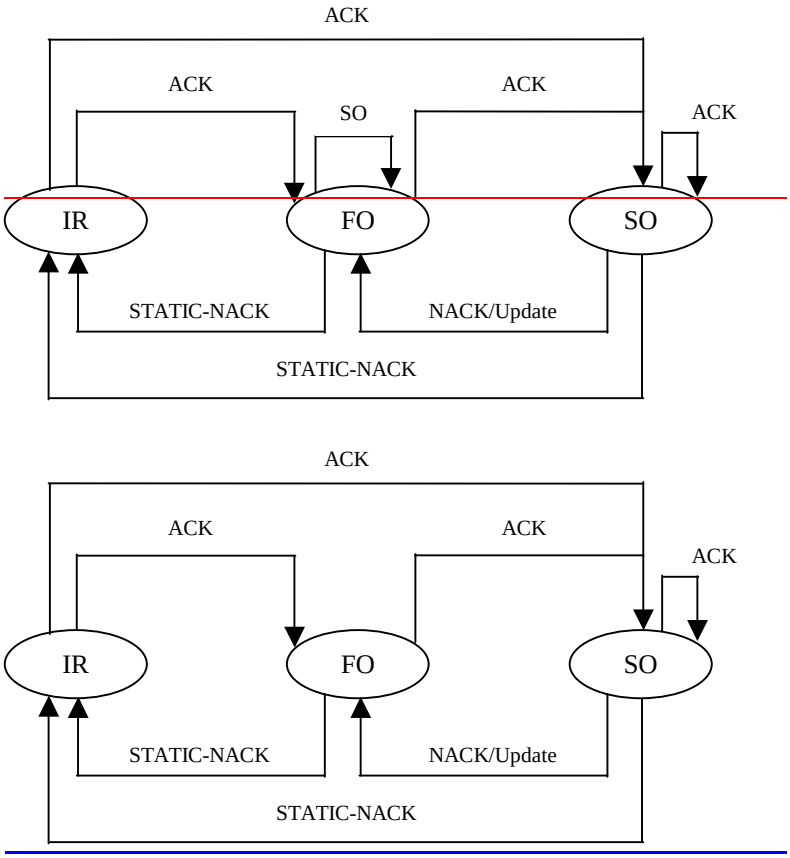

Figure 7: Reliable mode compressor logic

5.1.6.3.2 Decompressor

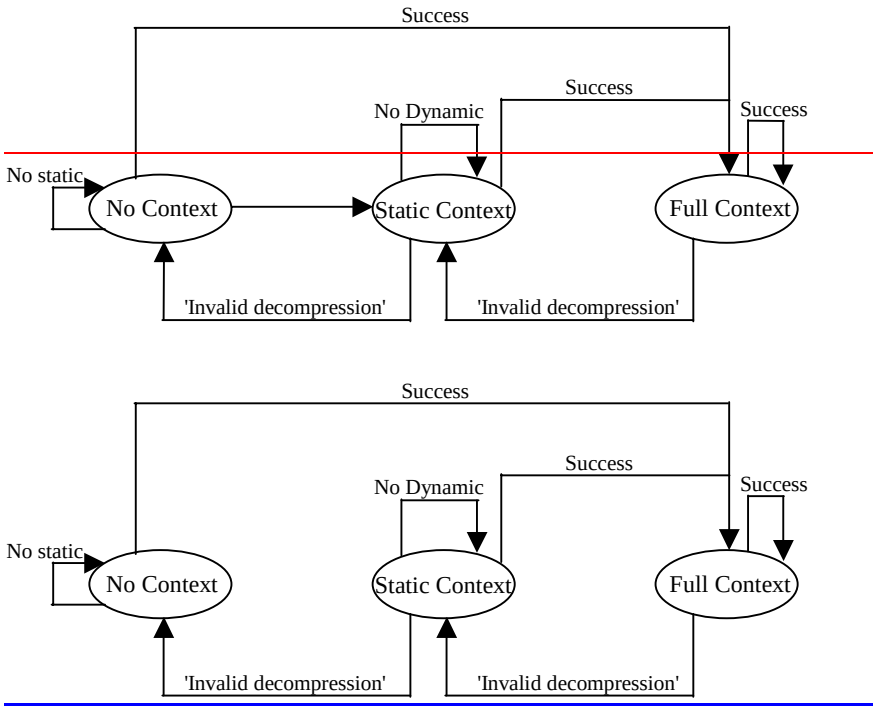

Figure 8: Reliable mode decompressor logic