

Agenda Item: 8.3
Source: Ericsson
Title: RLC Data PDU Formats
Document for: Decision

RLC Data PDU Formats

1 Introduction

This document proposes new data PDU formats, which are more in line the model in S2.22TSGR2#3(99)205, "3GPP S2.22 V0.0.2 Description of the RLC protocol". The only difference from the current PDU format in S2.22 is that the A/U field has been removed and that the D/C field is introduced. The A/U field is no longer needed since AMD and UMD PDUs are not multiplexed on RLC level. The D/C field is needed for acknowledged mode entities to distinguish between data and control PDUs.

2 Proposal

It is proposed that Figure 1 and Figure 2 below replaces Figure 9-1 and Figure 9-2 in S2.22 TSGR2#3(99)205, "3GPP S2.22 V0.0.2 Description of the RLC protocol".

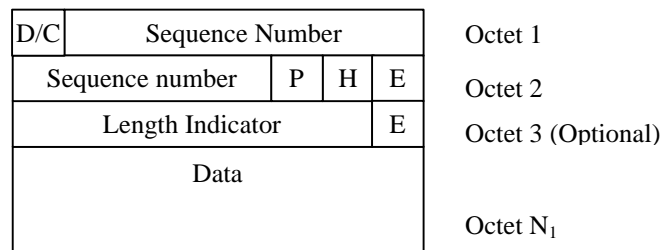


Figure 1. Acknowledged Mode Data PDU (AMD PDU).

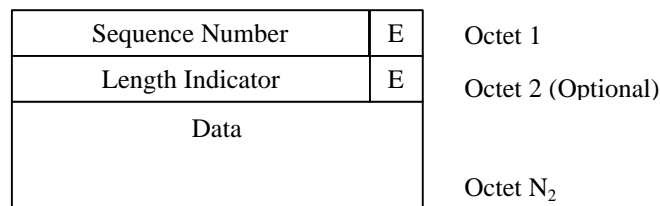


Figure 2. Unacknowledged Mode Data PDU (UMD PDU)

Further, it is proposed that the description of the A/U bit in section 9.2 in S2.22 TSGR2#3(99)205, "3GPP S2.22 V0.0.2 Description of the RLC protocol". is removed and that following description is included instead:

D/C field: 1 bit

The D/C field indicates the type of an acknowledged mode PDU. It can be either a data or control PDU.

Bit	Description
0	Control PDU

3 References

- [1] TSGR2#3(99)205, "3GPP S2.22 V0.0.2 Description of the RLC protocol".