**4.1.5.5** The first bit of a Type-2-Report (i.e., bit 1 of the Operational Control Field) shall

indicate the use of this report as follows:

a) if this bit is ‘0’, the contents of the report are project-specific;

b) if this bit is ‘1’, the contents of the report are defined by CCSDS or reserved by CCSDS for futureapplication.

NOTES

1 The value of the first bit of a Type-2-Report may vary between Transfer Frames on

the same Virtual Channel that carries this field.

2 The purpose of this field is to provide a standardized mechanism for reporting a small

number of real-time functions (such as retransmission control or spacecraft clock

calibration); currently the use for retransmission control (Type-1-Reports) has been

defined by CCSDS in reference [B5]. This issue of the Recommendation defines one version of type-2 reports used by SDLS protocol to perform real-time reporting of TC link status (see 4.1.5.6). Other version of type-2 reports may be defined in the future by CCSDS.

**4.1.5.6** ForCCSDS defined Type-2 reports (first bit of Type-2 report set to ‘1’), the second and third bit identify the version of the CCSDS defined Type-2 report:

a) if those 2 version bits are set to ‘00’, the content of the report is a Command Link Security Report (CLSR) specified in Space Data Link Security (SDLS) extended procedures [Bx] and used for real-time reporting of TC link status with respect to security checks.

b) other values than ‘00’ for the version bits are reserved by CCSDS for future application.

[Bx]: Space Data Link Security (SDLS) extended procedures, CCSDS 355.1-B-1, to be later published.