REVIEW ITEM DISPOSITION (RID):

RED BOOK RID INITIATION FORM

AGENCY RID NUMBER: UKSA-01

SUBMITTING ORGANIZATION (Agency, Center): UKSA

------------------------------------------------------------------

REVIEWER'S NAME: Matthew Cosby

E-MAIL ADDRESS: Matthew.Cosby@goonhilly.org

------------------------------------------------------------------

DOCUMENT NUMBER: CCSDS 732.1-R-3 Red Book, Issue 3

DOCUMENT NAME: Unified Space Data Link Protocol

DATE ISSUED: August 2017

PAGE NUMBER: 2-7

RID SHORT TITLE: service attributes

------------------------------------------------------------------

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

From…

USLP in association with the COP-1 (reference [9]), COP-P (reference [10]), and SDLS (reference [14]), provide the following service attributes (sequence-controlled, expedited, authenticated and/or encrypted, asynchronous, synchronous, and periodic) that determine the QoS associated with how reliably service data units supplied by the sending user are delivered to the receiving user

To…

USLP in association with the COP-1 (reference [9]), COP-P (reference [10]), and SDLS (reference [14]), provide the following service attributes (sequence-controlled, expedited and authenticated and/or encrypted) that determine the QoS associated with how reliably service data units supplied by the sending user are delivered to the receiving user

------------------------------------------------------------------

CATEGORY OF REQUESTED CHANGE: Recommended

------------------------------------------------------------------

SUPPORTING ANALYSIS:

asynchronous, synchronous, and periodic are not added to USLP by COP-1, COP-P or SDLS

------------------------------------------------------------------

DISPOSITION: Accepted.

REVIEW ITEM DISPOSITION (RID):

RED BOOK RID INITIATION FORM

AGENCY RID NUMBER: UKSA-02

SUBMITTING ORGANIZATION (Agency, Center): UKSA

------------------------------------------------------------------

REVIEWER'S NAME: Matthew Cosby

E-MAIL ADDRESS: Matthew.Cosby@goonhilly.org

------------------------------------------------------------------

DOCUMENT NUMBER: CCSDS 732.1-R-3 Red Book, Issue 3

DOCUMENT NAME: Unified Space Data Link Protocol

DATE ISSUED: August 2017

PAGE NUMBER: 2-8

RID SHORT TITLE: SDLS Services

------------------------------------------------------------------

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

From…

The SDLS services provide the user with the capability of authenticating the Frame originator and/or encrypting the Frame contents. SDLS security services are established by the use of the managed parameters in section 6.

To …

The SDLS protocol provide the user with the capability of authenticating the Frame originator and/or encrypting the Frame contents. SDLS security services are established by the use of the managed parameters in section 6.

------------------------------------------------------------------

CATEGORY OF REQUESTED CHANGE: Recommended

------------------------------------------------------------------

SUPPORTING ANALYSIS:

The use of service here is confusing. SDLP is a protocol, not a service.

------------------------------------------------------------------

DISPOSITION: Accepted.

REVIEW ITEM DISPOSITION (RID):

RED BOOK RID INITIATION FORM

AGENCY RID NUMBER: UKSA-03

SUBMITTING ORGANIZATION (Agency, Center): UKSA

------------------------------------------------------------------

REVIEWER'S NAME: Matthew Cosby

E-MAIL ADDRESS: Matthew.Cosby@goonhilly.org

------------------------------------------------------------------

DOCUMENT NUMBER: CCSDS 732.1-R-3 Red Book, Issue 3

DOCUMENT NAME: Unified Space Data Link Protocol

DATE ISSUED: August 2017

PAGE NUMBER: 2-8

RID SHORT TITLE: Periodic Services is misleading

------------------------------------------------------------------

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

The definition in 2.2.2.7 is misleading. Needs to be completely re-written to indicate that the Data Units supply the frame.

“There is one case in which periodic service is synchronous: when the service is associated with a Master Channel and that Master Channel produces Transfer Frames that are transmitted back-to-back “ is a definition of “synchronous”

------------------------------------------------------------------

CATEGORY OF REQUESTED CHANGE: Recommended

------------------------------------------------------------------

SUPPORTING ANALYSIS:

**synchronous:**Of or pertaining to a sequence of events occurring in a fixed time relationship (within specified tolerance) to another sequence of events.  It should be noted that ‘synchronous’ does not necessarily imply ‘periodic’ or ‘constant rate’.

------------------------------------------------------------------

DISPOSITION: Accepted with Modification.

During the meeting we limited the Insert Service to be the only periodic service. All other references to periodic service was removed. A requirement was added in the Insert Zone (section 4) stating that IZ service shall be a periodic service.

REVIEW ITEM DISPOSITION (RID):

RED BOOK RID INITIATION FORM

AGENCY RID NUMBER: UKSA-04

SUBMITTING ORGANIZATION (Agency, Center): UKSA

------------------------------------------------------------------

REVIEWER'S NAME: Matthew Cosby

E-MAIL ADDRESS: Matthew.Cosby@goonhilly.org

------------------------------------------------------------------

DOCUMENT NUMBER: CCSDS 732.1-R-3 Red Book, Issue 3

DOCUMENT NAME: Unified Space Data Link Protocol

DATE ISSUED: August 2017

PAGE NUMBER: 2-7 until 2-10

RID SHORT TITLE: 2.2.2 are not services but QoS

------------------------------------------------------------------

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

This section should be renamed to “quality of service”

------------------------------------------------------------------

CATEGORY OF REQUESTED CHANGE: Recommended

------------------------------------------------------------------

SUPPORTING ANALYSIS:

------------------------------------------------------------------

DISPOSITION: Rejected. 2.2.2 is currently titled “Service Attributes”

We had a lot of discussion about this section in the last meeting and decided to name it “Service Attributes”. We agreed that this section does not contain service definitions but rather discussed the attributes associated with those services. Propose recommend no change here.

RED BOOK RID INITIATION FORM

AGENCY RID NUMBER: UKSA-05

SUBMITTING ORGANIZATION (Agency, Center): UKSA

------------------------------------------------------------------

REVIEWER'S NAME: Matthew Cosby

E-MAIL ADDRESS: Matthew.Cosby@goonhilly.org

------------------------------------------------------------------

DOCUMENT NUMBER: CCSDS 732.1-R-3 Red Book, Issue 3

DOCUMENT NAME: Unified Space Data Link Protocol

DATE ISSUED: August 2017

PAGE NUMBER: 2-19

RID SHORT TITLE: Go-Back-N consistency

------------------------------------------------------------------

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

From “Go-Back-N” to “Go-Back-n”

------------------------------------------------------------------

CATEGORY OF REQUESTED CHANGE: Recommended

------------------------------------------------------------------

SUPPORTING ANALYSIS:

------------------------------------------------------------------

DISPOSITION: Accepted. Use whatever notation was used in Prox-1, which is little n.

RED BOOK RID INITIATION FORM

AGENCY RID NUMBER: UKSA-06

SUBMITTING ORGANIZATION (Agency, Center): UKSA

------------------------------------------------------------------

REVIEWER'S NAME: Matthew Cosby

E-MAIL ADDRESS: Matthew.Cosby@goonhilly.org

------------------------------------------------------------------

DOCUMENT NUMBER: CCSDS 732.1-R-3 Red Book, Issue 3

DOCUMENT NAME: Unified Space Data Link Protocol

DATE ISSUED: August 2017

PAGE NUMBER: 3-28

RID SHORT TITLE: Use of “private” in the insert zone

------------------------------------------------------------------

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

Remove “private” from section 3.9.1

------------------------------------------------------------------

CATEGORY OF REQUESTED CHANGE: Recommended

------------------------------------------------------------------

SUPPORTING ANALYSIS:

The data is no more private than all the other protocol data units. Also private implies that it is protected.

------------------------------------------------------------------

DISPOSITION: Accepted with Modification.

Private also appears with respect to the IZ in 2.2.3.8.

Recommend these changes instead to 2.2.3.8 & 3.9.1:

From:

The Insert Service provides transfer of private, fixed-length, octet-aligned service data units in fixed-length Transfer Frames …

To:

The Insert Service provides transfer of privately formatted, fixed-length, octet-aligned service data units in fixed-length Transfer Frames…

RED BOOK RID INITIATION FORM

AGENCY RID NUMBER: UKSA-07

SUBMITTING ORGANIZATION (Agency, Center): UKSA

------------------------------------------------------------------

REVIEWER'S NAME: Matthew Cosby

E-MAIL ADDRESS: Matthew.Cosby@goonhilly.org

------------------------------------------------------------------

DOCUMENT NUMBER: CCSDS 732.1-R-3 Red Book, Issue 3

DOCUMENT NAME: Unified Space Data Link Protocol

DATE ISSUED: August 2017

PAGE NUMBER: Table 5-3

RID SHORT TITLE: CLCW is only used for COP-1

------------------------------------------------------------------

DESCRIPTION OF REQUESTED CHANGE: (Use From: "..." To "..." format)

From…

CLCW Reporting Rate as required to support COP

To…

CLCW Reporting Rate as required to support COP-1

------------------------------------------------------------------

CATEGORY OF REQUESTED CHANGE: Recommended

------------------------------------------------------------------

SUPPORTING ANALYSIS:

CLCW is only used in COP-1, not COP-P

------------------------------------------------------------------

DISPOSITION: Accepted.