REVIEW ITEM DISPOSITION (RID):

RED BOOK RID INITIATION FORM

AGENCY RID NUMBER: ESA-GPC-001

SUBMITTING ORGANIZATION (Agency, Center): ESA, ESOC

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

REVIEWER'S NAME: Gian Paolo Calzolari

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

DOCUMENT NUMBER: CCSDS 211.0-P-4.1 Pink Book, Issue 4.1

DOCUMENT NAME: Proximity-1 Data Link Layer

DATE ISSUED: March 2012

PAGE NUMBER: A-5 & A-11 PARAGRAPH NUMBER: A1.2.3.5.4 & A1.4.6.4

RID SHORT TITLE: **Rd precise computation**

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

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

**For both clauses A1.2.3.5.4 & A1.4.6.4**

**1.** Change from:

“Rd = .48484 \* Rc”

To

“Rd = r \* Rc”

**2.** Add a (foot)note:

“the value of *“r”* corresponds to 1024/2112 = 0.4848484848…”

**3.** Optionally, show the table grid for better readability.

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

CATEGORY OF REQUESTED CHANGE: Technical Fact

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

SUPPORTING ANALYSIS:

The ratio 0.48484 is presented as an exact value. In fact, to achieve the accuracy on Rd values given in the Rd column, the reader must understand that the actual value is 0.484848484848... as given by the division 1024/2112

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

DISPOSITION:

Change to: Rd =1024/2112 \* Rc

REVIEW ITEM DISPOSITION (RID):

RED BOOK RID INITIATION FORM

AGENCY RID NUMBER: ESA-GPC-002

SUBMITTING ORGANIZATION (Agency, Center): ESA, ESOC

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DOCUMENT NUMBER: CCSDS 211.0-P-4.1 Pink Book, Issue 4.1

DOCUMENT NAME: Proximity-1 Data Link Layer

DATE ISSUED: March 2012

PAGE NUMBER: 2-1 PARAGRAPH NUMBER: 2.1.1

RID SHORT TITLE: **Serial data output?**

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

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

From

On the receive side, the Data Link Layer accepts the serial data output from the receiver and processes the protocol data units received. It

To

On the receive side, the Data Link Layer accepts the data output from the receiver and processes the protocol data units received. It

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

CATEGORY OF REQUESTED CHANGE: Technical Fact

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

SUPPORTING ANALYSIS:

The implementation may done without a serial link but e.g. with buffers.

NOTE Similar RID(s) on Physical Layer & C&S Sub-Layer Books.

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

DISPOSITION: Rejected. To be confirmed in Joint meeting.

REVIEW ITEM DISPOSITION (RID):

RED BOOK RID INITIATION FORM

AGENCY RID NUMBER: ESA-GPC-003

SUBMITTING ORGANIZATION (Agency, Center): ESA, ESOC

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DOCUMENT NUMBER: CCSDS 211.0-P-4.1 Pink Book, Issue 4.1

DOCUMENT NAME: Proximity-1 Data Link Layer

DATE ISSUED: March 2012

PAGE NUMBER: 2-1 PARAGRAPH NUMBER: 2.2

RID SHORT TITLE: **Serial coded symbols?**

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

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

From

outputs the serial coded symbol stream from the receiver’s Physical Layer to the Coding and Synchronization Sublayer.

To

outputs the coded symbol stream from the receiver’s Physical Layer to the Coding and Synchronization Sublayer.

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

CATEGORY OF REQUESTED CHANGE: Technical Fact

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

SUPPORTING ANALYSIS:

The implementation may done without a serial link but e.g. with buffers.

NOTE Similar RID(s) on Physical Layer & C&S Sub-Layer Books.

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

DISPOSITION: Rejected. To be confirmed in joint meeting.

REVIEW ITEM DISPOSITION (RID):

RED BOOK RID INITIATION FORM

AGENCY RID NUMBER: ESA-GPC-004

SUBMITTING ORGANIZATION (Agency, Center): ESA, ESOC

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

REVIEWER'S NAME: Gian Paolo Calzolari

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

DOCUMENT NUMBER: CCSDS 211.0-P-4.1 Pink Book, Issue 4.1

DOCUMENT NAME: Proximity-1 Data Link Layer

DATE ISSUED: March 2012

PAGE NUMBER: 6-15 PARAGRAPH NUMBER: 6.3.4

RID SHORT TITLE: **Serial FIFO?**

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

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

From

NOTE – The Output FIFO is a FIFO cache for the storage of bits that are serially output to the C&S Sublayer for encoding.

To

NOTE – The Output FIFO is a FIFO cache for the storage of bits that are output to the C&S Sublayer for encoding.

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

CATEGORY OF REQUESTED CHANGE: Technical Fact

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

SUPPORTING ANALYSIS:

The implementation may done without a serial link but e.g. with buffers.

NOTE Similar RID(s) on Physical Layer & C&S Sub-Layer Books.

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

DISPOSITION: Rejected. To be confirmed in joint.

REVIEW ITEM DISPOSITION (RID):

RED BOOK RID INITIATION FORM

AGENCY RID NUMBER: ESA-GPC-005

SUBMITTING ORGANIZATION (Agency, Center): ESA, ESOC

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

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DOCUMENT NUMBER: CCSDS 211.0-P-4.1 Pink Book, Issue 4.1

DOCUMENT NAME: Proximity-1 Data Link Layer

DATE ISSUED: March 2012

PAGE NUMBER: 6-32 PARAGRAPH NUMBER: 6.6.2

RID SHORT TITLE: **Serial FIFO?**

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

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

From

c) SYMBOL\_INLOCK\_STATUS. SYMBOL\_INLOCK\_STATUS shall be used to signal that symbol synchronization has been acquired, and that the received serial coded symbol stream is being provided to the C&S Sublayer by the Physical Layer.

To

c) SYMBOL\_INLOCK\_STATUS. SYMBOL\_INLOCK\_STATUS shall be used to signal that symbol synchronization has been acquired, and that the received coded symbol stream is being provided to the C&S Sublayer by the Physical Layer.

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

CATEGORY OF REQUESTED CHANGE: Technical Fact

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

SUPPORTING ANALYSIS:

The implementation may done without a serial link but e.g. with buffers.

NOTE Similar RID(s) on Physical Layer & C&S Sub-Layer Books.

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

DISPOSITION: Rejected. To be confirmed in joint.