REVIEW ITEM DISPOSITION (RID):

RED BOOK RID INITIATION FORM

AGENCY RID NUMBER: ESA-IAS-01

SUBMITTING ORGANIZATION (Agency, Center): ESA, ESTEC

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DOCUMENT NUMBER: CCSDS 732.0-P-4.2 Pink Sheets, Issue 4.2

DOCUMENT NAME: AOS Space Data Link Protocol

DATE ISSUED: September 2024

PAGE NUMBER: 4-4 PARAGRAPH NUMBER: 4.1.2.2.3.3

RID SHORT TITLE:

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DESCRIPTION OF REQUESTED CHANGE:

From:

4.1.2.2.3.3 If the SCID Extension field is not set to ‘00’ then these two bits are to be interpreted as two additional high-order bits added at the beginning (i.e., the most left justified when drawing a figure) of the 8-bit SCID, defining the 10-bit SCID.

To:

4.1.2.2.3.3 If the SCID Extension field is not set to ‘00’ then these two bits are to be interpreted as the Most Significant Bits of the 10-bit SCID.

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

CATEGORY OF REQUESTED CHANGE:

Technical Fact \_\_\_ Recommended \_X\_\_ Editorial \_\_\_

NOTES:

TECHNICAL FACT: Major technical change of sufficient magnitude as to

render the Recommendation inaccurate and unacceptable if not

corrected. (Supporting analysis/rationale is essential.)

RECOMMENDED: Change of a nature that would, if incorporated, produce

a marked improvement in document quality and acceptance.

EDITORIAL: Typographical or other factual error needing correction.

(This type of change will be made without feedback to submitter.)

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SUPPORTING ANALYSIS:

Edition in line with 1.6.3 CONVENTIONS.

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DISPOSITION: Accepted with Modifications. First of all, the term, SCID Extension Field is unnecessary.

*New Formulation:*

4.1.2.2.3 Spacecraft ID

Bits 2–9 of the Transfer Frame Primary Header shall contain the 8 least significant bits (LSB) of the Spacecraft Identifier (SCID).

Bits 42-43 of the Transfer Frame Primary Header shall contain the 2 most significant bits (MSB)of the Spacecraft Identifier (SCID).

NOTE: For AOS (732.0-B) Version 5 and higher, the Version 2 SCID is 10 bits in length. For previous versions, it is 8 bits and Bits 42-43 are defined as reserved spares.

NOTE – The Space Assigned Numbers Authority (SANA) assigns Spacecraft Identifiers according to the procedures in reference [7].

REVIEW ITEM DISPOSITION (RID):

RED BOOK RID INITIATION FORM

AGENCY RID NUMBER: ESA-IAS-02

SUBMITTING ORGANIZATION (Agency, Center): ESA, ESTEC

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DOCUMENT NUMBER: CCSDS 732.0-P-4.2 Pink Sheets, Issue 4.2

DOCUMENT NAME: AOS Space Data Link Protocol

DATE ISSUED: September 2024

PAGE NUMBER: 4-6 PARAGRAPH NUMBER: 4.1.2.5.4.2

RID SHORT TITLE:

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DESCRIPTION OF REQUESTED CHANGE:

From:

4.1.2.5.4.2 The interpretation of this field is defined in 4.1.2.2.3.

To:

4.1.2.5.4.2 The interpretation of this field is defined in 4.1.2.2.3.

NOTE – This field represents the Most Significant Bits of the SCID.

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

CATEGORY OF REQUESTED CHANGE:

Technical Fact \_\_\_ Recommended \_X\_\_ Editorial \_\_\_

NOTES:

TECHNICAL FACT: Major technical change of sufficient magnitude as to

render the Recommendation inaccurate and unacceptable if not

corrected. (Supporting analysis/rationale is essential.)

RECOMMENDED: Change of a nature that would, if incorporated, produce

a marked improvement in document quality and acceptance.

EDITORIAL: Typographical or other factual error needing correction.

(This type of change will be made without feedback to submitter.)

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SUPPORTING ANALYSIS:

Edition in line with 1.6.3 CONVENTIONS and as a complement to RID-IAS-01.

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DISPOSITION: Rejected.

We have identified the LSB and MSB now in Figure 4-2 and also in the text of the SCID field itself.

REVIEW ITEM DISPOSITION (RID):

RED BOOK RID INITIATION FORM

AGENCY RID NUMBER: ESA-IAS-03

SUBMITTING ORGANIZATION (Agency, Center): ESA, ESTEC

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DOCUMENT NUMBER: CCSDS 732.0-P-4.2 Pink Sheets, Issue 4.2

DOCUMENT NAME: AOS Space Data Link Protocol

DATE ISSUED: September 2024

PAGE NUMBER: A-5 PARAGRAPH NUMBER: Table A-4

RID SHORT TITLE:

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DESCRIPTION OF REQUESTED CHANGE:

From:

Table A-4: AOS Protocol Data Unit

To:

Table A-4: AOS Protocol Data Unit

With the addition of a new row after AOS-47 as follows

Item Description Reference Status Support

AOS-47.1 SCID length 4.1.2.2,3 M 10-bit or 8-bit

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CATEGORY OF REQUESTED CHANGE:

Technical Fact \_\_\_ Recommended \_\_X\_ Editorial \_\_\_

NOTES:

TECHNICAL FACT: Major technical change of sufficient magnitude as to

render the Recommendation inaccurate and unacceptable if not

corrected. (Supporting analysis/rationale is essential.)

RECOMMENDED: Change of a nature that would, if incorporated, produce

a marked improvement in document quality and acceptance.

EDITORIAL: Typographical or other factual error needing correction.

(This type of change will be made without feedback to submitter.)

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SUPPORTING ANALYSIS:

It is important to state whether the implementation supports 8 or 10 bits SCID.

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DISPOSITION: Accepted with modifications. (Part of the secretariat’s job is to update the PICS. However, the new SCID length has to be 10 bits. No 8 bit option going forward.