REVIEW ITEM DISPOSITION (RID):

RED BOOK RID INITIATION FORM

AGENCY RID NUMBER: 01

SUBMITTING ORGANIZATION (Agency, Center): CNES

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DOCUMENT NUMBER: CCSDS 734.2-P-1.1 Pink Book, Issue 1.1

DOCUMENT NAME: CCSDS Bundle Protocol Specification

DATE ISSUED: April 2023

PAGE NUMBER: 1-4 PARAGRAPH NUMBER: 1.4.3.2

RID SHORT TITLE: Administrative Record definition missing

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DESCRIPTION OF REQUESTED CHANGE:

There is no definition of Administrative Record in the book.

In page 1-4, in the definition of Administrative Element, it is written “of administrative records (defined below)”, but there is no such definition (while this definition is in the RFC9171).

Either add the definition of Administrative Record or remove (defined below).

Option 1/

From: “…”

To: “Administrative record: A BP administrative record is an ADU that is exchanged between the administrative elements of nodes' application agents for some BP administrative purpose. The only administrative record defined in this specification is the status report, discussed later.”

Option 2/

From: “administrative element, AE: In the context of an application agent, the node component that constructs and requests transmission of administrative records (defined below), including status reports, and accepts delivery of and processes any administrative records that the node receives.”

To: “administrative element, AE: In the context of an application agent, the node component that constructs and requests transmission of administrative records, including status reports, and accepts delivery of and processes any administrative records that the node receives.”

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CATEGORY OF REQUESTED CHANGE:

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

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SUPPORTING ANALYSIS:

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DISPOSITION:

REVIEW ITEM DISPOSITION (RID):

RED BOOK RID INITIATION FORM

AGENCY RID NUMBER: 02

SUBMITTING ORGANIZATION (Agency, Center): CNES

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DOCUMENT NUMBER: CCSDS 734.2-P-1.1 Pink Book, Issue 1.1

DOCUMENT NAME: CCSDS Bundle Protocol Specification

DATE ISSUED: April 2023

PAGE NUMBER: 1-4 PARAGRAPH NUMBER: 1.4.3.2

RID SHORT TITLE: bundle node definition

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DESCRIPTION OF REQUESTED CHANGE:

How can a Bundle node send or receive Bundles if it has zero convergence layer adapter? A Bundle node has to implement one application agent? It cannot instantiate only the Bunde Protocol Agent and a set of zero or one application agent? Even, if this definition is in the RFC 9171, I don’t understand it.

I would suggest:

From: “bundle node, node: Any entity that can send and/or receive bundles. Each bundle node has three conceptual components: a ‘bundle protocol agent’, a set of zero or more ‘convergence layer adapters’, and an ‘application agent’.”

To: “bundle node, node: Any entity that can send and/or receive bundles. Each bundle node has three conceptual components: a ‘bundle protocol agent’, a set of one or more ‘convergence layer adapters’, and a set of zero or one ‘application agent’.”

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CATEGORY OF REQUESTED CHANGE:

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

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SUPPORTING ANALYSIS:

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DISPOSITION:

REVIEW ITEM DISPOSITION (RID):

RED BOOK RID INITIATION FORM

AGENCY RID NUMBER: 03

SUBMITTING ORGANIZATION (Agency, Center): CNES

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DOCUMENT NUMBER: CCSDS 734.2-P-1.1 Pink Book, Issue 1.1

DOCUMENT NAME: CCSDS Bundle Protocol Specification

DATE ISSUED: April 2023

PAGE NUMBER: 4-8 PARAGRAPH NUMBER: 4.4.4.4

RID SHORT TITLE: Missing BundleRequestID.indication definition

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DESCRIPTION OF REQUESTED CHANGE:

This paragraph states that “Receipt of Send.request shall cause the BP agent to initiate bundle transmission procedures and shall cause a BundleRequestID.indication to be returned to the issuer of the send request.”

I did not find the definition of BundleRequestID.indication in the document.

I would suggest to add this definition.

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CATEGORY OF REQUESTED CHANGE:

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

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SUPPORTING ANALYSIS:

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DISPOSITION:

REVIEW ITEM DISPOSITION (RID):

RED BOOK RID INITIATION FORM

AGENCY RID NUMBER: 04

SUBMITTING ORGANIZATION (Agency, Center): CNES

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DOCUMENT NUMBER: CCSDS 734.2-P-1.1 Pink Book, Issue 1.1

DOCUMENT NAME: CCSDS Bundle Protocol Specification

DATE ISSUED: April 2023

PAGE NUMBER: A-7 PARAGRAPH NUMBER: A5.5

RID SHORT TITLE: Missing status for Administrative Records

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DESCRIPTION OF REQUESTED CHANGE:

The column status is empty for Administrative Records.

I would suggest to indicate whether it is mandatory or optional.

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CATEGORY OF REQUESTED CHANGE:

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

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SUPPORTING ANALYSIS:

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DISPOSITION: