CESG POLL ITEM DISPOSITION (PID) INITIATION FORM

AREA PID NUMBER: SLS-01
SUBMITTING AREA: Space Link Services

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DOCUMENT NUMBER: CCSDS 320.0-M-6.2
DOCUMENT NAME: CCSDS SCID Field Code Assignment Procedures
DATE ISSUED: August 2017
PAGE NUMBER: 2-3   PARAGRAPH NUMBER: Table 2-1:
PID SHORT TITLE: Blue colour in Table 2-1: ITU/IEEE Frequency Bands (FB)

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

S-Band **2–4 GHz**	2200–2290 MHz	S-NE	2290–2300 MHz	S-DS
C-Band **4–7 GHz**	3400–4200 MHz	C	N/A	C
X-Band SRS **7–12 GHz**	8450–8500 MHz	XS-NE	8400–8450 MHz	XS-DS
X-Band EESS **7–12 GHz**	8025–8400 MHz	XE-NE	N/A	XE-DS
Ku-Band **12–18 GHz**	13.4–15.35 GHz	Ku	N/A	Ku

From: Blue text

To: Black text
OR add explanation for blue text

CATEGORY OF REQUESTED CHANGE: Technical Fact

SUPPORTING ANALYSIS:

Different colours shall be motivated to avoid confusing the readers.

DISPOSITION: Accepted. Make all the text black.

CESG POLL ITEM DISPOSITION (PID) INITIATION FORM

AREA PID NUMBER: SLS-02
SUBMITTING AREA: Space Link Services

REVIEWER'S NAME: Gian Paolo Calzolari
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DOCUMENT NUMBER: CCSDS 320.0-M-6.2
DOCUMENT NAME: CCSDS SCID Field Code Assignment Procedures
DATE ISSUED: August 2017
PAGE NUMBER: 2-3   PARAGRAPH NUMBER: Table 2-1:
PID SHORT TITLE: What is "Same"?

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

IEEE FB Name	Near Earth Downlink	Abrv	Deep Space Downlink	Abrv
HF-band 0–30 MHz	Same	HF	Same	HF
VHF-band 30–300 MHz	Same	VHF	Same	VHF
UHF-band 300–1000 MHz	Same	UHF	Same	UHF
L-band 1–2 GHz	Same	L	Same	L

From: Same
To: Write actual frequencies values.
OR add explanation for "Same"   (not really recommended)

CATEGORY OF REQUESTED CHANGE: Technical Fact

SUPPORTING ANALYSIS:
Indeed the readers might guess that Same means the same values in the
first column, however this is confusing.
Better repeating actual values.

DISPOSITION: **Accepted. Insert the stated frequencies from column 1 into
                columns 2 and 4, as requested.**

```
             CESG POLL ITEM DISPOSITION (PID) INITIATION FORM

AREA PID NUMBER: SLS-03
SUBMITTING AREA: Space Link Services
----------------------------------------------------------------
REVIEWER'S NAME:   Gian Paolo Calzolari
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DOCUMENT NUMBER:   CCSDS 320.0-M-6.2
DOCUMENT NAME:     CCSDS SCID Field Code Assignment Procedures
DATE ISSUED:       August 2017
PAGE NUMBER:       2-3            PARAGRAPH NUMBER:  Table 2-1:
PID SHORT TITLE:   Why empty boxes?
----------------------------------------------------------------
DESCRIPTION OF REQUESTED CHANGE:   (Use From: "..." To "..." format)
```

Band					
Ku-Band **12–18 GHz**	13.4–15.35 GHz	Ku	N/A		
K-Band **18–27 GHz**		K			K
Ka-Band SRS or EESS 27–40 GHz	25.5–27 GHz	Ka-NE	31.8–32.3 GHz		Ka-DS
Ka-Band SRS **27–40 GHz**	37.0–38.0 GHz	KaS	37.0–38.0 GHz		KaS
V-Band **40–75 GHz** (future)		V			V
W-Band **75–110 GHz** (future)		W			W
Optical 1064 nm (future)		O1			O1
Optical 1550 nm (future)		O2			O2

```
    1)
From: Empty box
To:   Insert actual values OT, in case actual values are not known,
include a TBD and explain that precise values will be fixed in future.

    2)
Is the following change also required?
```
From: K-Band **18–27 GHz**
To: K-Band **18–27 GHz (future)**

```
----------------------------------------------------------------
CATEGORY OF REQUESTED CHANGE:        Technical Fact
----------------------------------------------------------------
SUPPORTING ANALYSIS:
   1) Empty boxes are confusing the readers.
   2) Empty boxes affect 5 rows of the table with 4 of them being marked
      "future". Were empty boxes reserved to future applications?
----------------------------------------------------------------
DISPOSITION:
```
Accepted. Mark the empty cells as follows "TBS footnote 1". Add Footnote 1 to the page stating that precise values will be added in the future as actual frequencies for near Earth & deep space are allocated.

```
                CESG POLL ITEM DISPOSITION (PID) INITIATION FORM

AREA PID NUMBER: SLS-04
SUBMITTING AREA: Space Link Services
----------------------------------------------------------------------
REVIEWER'S NAME:   Gian Paolo Calzolari
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----------------------------------------------------------------------
DOCUMENT NUMBER:   CCSDS 320.0-M-6.2
DOCUMENT NAME:     CCSDS SCID Field Code Assignment Procedures
DATE ISSUED:       August 2017
PAGE NUMBER:       B-1        PARAGRAPH NUMBER:
PID SHORT TITLE:   SRS? EESS?
----------------------------------------------------------------------
DESCRIPTION OF REQUESTED CHANGE:  (Use From: "..." To "..." format)

Add SRS to Annex B.

Add EESS to Annex B


----------------------------------------------------------------------
CATEGORY OF REQUESTED CHANGE:     Technical Fact
----------------------------------------------------------------------
SUPPORTING ANALYSIS:

SRS and EESS are used in Table 2-1 but absent in Annex B


----------------------------------------------------------------------
DISPOSITION:
```

Accepted. Add ITU-R definitions for "Earth exploration - satellite service" (EESS) and "Space Research Service" (SRS) to Annex B.

CESG POLL ITEM DISPOSITION (PID) INITIATION FORM

AREA PID NUMBER: SLS-05
SUBMITTING AREA: Space Link Services

REVIEWER'S NAME: Gian Paolo Calzolari
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DOCUMENT NUMBER: CCSDS 320.0-M-6.2
DOCUMENT NAME: CCSDS SCID Field Code Assignment Procedures
DATE ISSUED: August 2017
PAGE NUMBER: 2-4   PARAGRAPH NUMBER: 2.2
PID SHORT TITLE: band designator

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

From: ... but the correct band designator, for uplink and downlink, must be provided. ...
To: ... but the correct band designator (indicated in the columns marked "Abrv" in
Table 2-1), for uplink and downlink, must be provided. ...

Alternatively, replace "Abrv" (undefined in text and in Annex B)
with e.g. "BD" and define "BD = Band Designator" in Annex B

Note also that Annex A use the term "Frequency Band designator abbreviation" and
consistency may be needed; e.g. using either acronym FBDA or FBD in
Table 2-1.

CATEGORY OF REQUESTED CHANGE: Technical Fact

SUPPORTING ANALYSIS:

Inconsistency is evident.

DISPOSITION:

Accepted.
In Table 2-1 replace "Abrv" with "FBD"
Add "FBD" to Annex B as "Frequency Band Designator"

On pg 2-4, sec 2.2, first paragraph, make the following From: / To: change.

**From: As a result the Q- SCID request must specify the actual frequency band name and
frequency range separately for both uplink and downlink separately so as to avoid
confusion. It is not required to specify the actual frequencies in use, but the correct band
designator, for uplink and downlink, must be provided.**

**To: As a result the Q- SCID request must separately specify the frequency band designator
(FBD) and the actual frequency range for both uplink and downlink, so as to avoid
confusion. It is not required to specify the actual frequencies in use, but the correct FBD,
for uplink and downlink, must be provided.**

```
                CESG POLL ITEM DISPOSITION (PID) INITIATION FORM

AREA PID NUMBER: SLS-06
SUBMITTING AREA: Space Link Services
-------------------------------------------------------------------
REVIEWER'S NAME:   Gian Paolo Calzolari
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DOCUMENT NUMBER:   CCSDS 320.0-M-6.2
DOCUMENT NAME:     CCSDS SCID Field Code Assignment Procedures
DATE ISSUED:       August 2017
PAGE NUMBER:       2-4        PARAGRAPH NUMBER:  First
PID SHORT TITLE:   Different instead of offset
-------------------------------------------------------------------
DESCRIPTION OF REQUESTED CHANGE:  (Use From: "..." To "..." format)
```

From: The uplink frequencies that are used for any given satellite may just be an offset in the same frequency band range, i.e., 2–4 GHz, or they may actually be in a different frequency band, i.e., Ka band downlink and K-band uplink.

To: The uplink frequencies that are used for any given satellite may just be ~~an offset~~ different frequencies in the same frequency band range~~, i.e., 2–4 GHz~~, or they may actually be in a different frequency band, ~~i.e.,~~ Ka-band downlink and K-band uplink.

```
-------------------------------------------------------------------
CATEGORY OF REQUESTED CHANGE:      Recommended
-------------------------------------------------------------------
SUPPORTING ANALYSIS:

The term offset in this context is confusing.
The values shown by i.e. are actually examples and e.g. shall be used.

-------------------------------------------------------------------
DISPOSITION:
```

Accepted. Change the To: text to the following.

To:
The uplink frequencies that are used for any given satellite may be different frequencies in the same frequency band range, e.g., both in the S-band, 2–4 GHz, or they may be in different frequency bands, e.g., Ka-band downlink and K-band uplink.

```
                CESG POLL ITEM DISPOSITION (PID) INITIATION FORM

AREA PID NUMBER: SLS-07
SUBMITTING AREA: Space Link Services
--------------------------------------------------------------------
REVIEWER'S NAME:   Gian Paolo Calzolari
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--------------------------------------------------------------------
DOCUMENT NUMBER:   CCSDS 320.0-M-6.2
DOCUMENT NAME:     CCSDS SCID Field Code Assignment Procedures
DATE ISSUED:       August 2017
PAGE NUMBER:       2-4       PARAGRAPH NUMBER:  First
PID SHORT TITLE:   Unclear sentence #1
--------------------------------------------------------------------
DESCRIPTION OF REQUESTED CHANGE:  (Use From: "..." To "..." format)

From: In some cases these may be called 'Ka-band', or 'Ku-band' frequency
assignments but the actual frequency bands that are in use are,
numerically, different than that.

To: Delete sentence.


--------------------------------------------------------------------
CATEGORY OF REQUESTED CHANGE:     Technical Fact
--------------------------------------------------------------------
SUPPORTING ANALYSIS:

The sentence is unclear and in this context only confuses the reader

--------------------------------------------------------------------
DISPOSITION:
```

Accept, with modifications. Change

From:

In some cases these may be called 'Ka-band', or 'Ku-band' frequency assignments but the actual frequency bands that are in use are, numerically, different than that.

To:

In some cases, like this last example, these uplink and downlink frequencies may be both be referred to as 'Ka-band' assignments, but the actual frequency bands that have been assigned are numerically different than that.

```
                CESG POLL ITEM DISPOSITION (PID) INITIATION FORM

AREA PID NUMBER: SLS-08
SUBMITTING AREA: Space Link Services
-------------------------------------------------------------------
REVIEWER'S NAME:   Gian Paolo Calzolari
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-------------------------------------------------------------------
DOCUMENT NUMBER:   CCSDS 320.0-M-6.2
DOCUMENT NAME:     CCSDS SCID Field Code Assignment Procedures
DATE ISSUED:       August 2017
PAGE NUMBER:       2-4        PARAGRAPH NUMBER:  First
PID SHORT TITLE:   Unclear sentence #2
-------------------------------------------------------------------
DESCRIPTION OF REQUESTED CHANGE:   (Use From: "..." To "..." format)
```

From: As a result the QSCID request must specify the actual frequency band name and frequency range separately for both uplink and downlink separately so as to avoid confusion.

To: As a result the QSCID request must specify the actual frequency band name ~~and frequency range separately~~ for both uplink and downlink separately so as to avoid confusion.

```
Consider also using "frequency band designator" instead of "frequency
band name".
-------------------------------------------------------------------
CATEGORY OF REQUESTED CHANGE: Recommended)
-------------------------------------------------------------------
SUPPORTING ANALYSIS: New text makes the sentence clearer.


-------------------------------------------------------------------
DISPOSITION:
```

Accepted, with modifications.

See the disposition of SLS-05 which addresses exactly this same sentence.

```
             CESG POLL ITEM DISPOSITION (PID) INITIATION FORM

AREA PID NUMBER: SLS-09
SUBMITTING AREA: Space Link Services
----------------------------------------------------------------------
REVIEWER'S NAME:   Gian Paolo Calzolari
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DOCUMENT NUMBER:   CCSDS 320.0-M-6.2
DOCUMENT NAME:     CCSDS SCID Field Code Assignment Procedures
DATE ISSUED:       August 2017
PAGE NUMBER:       2-4        PARAGRAPH NUMBER:  First
PID SHORT TITLE:   Sentence repeating concept
----------------------------------------------------------------------
DESCRIPTION OF REQUESTED CHANGE:   (Use From: "..." To "..." format)
```

From: It is not required to specify the actual frequencies in use, but the correct band designator, for uplink and downlink, must be provided.

```
To: Delete sentence
      OR alternatively
Simply limit the statement to
```
"It is not required to specify the actual frequencies in use."
```
E.g. as final part of the previous sentence.


----------------------------------------------------------------
CATEGORY OF REQUESTED CHANGE:     Technical Fact
----------------------------------------------------------------
SUPPORTING ANALYSIS:
The sentence only repeats the concept – expressed in the previous
sentence - that only frequency bands (for downlink and uplink) shall be
provided.


----------------------------------------------------------------
DISPOSITION:
```

Rejected.

See disposition of SLS-05 for the final text.