| **Page** | **Section** | **Line** | **Type** | **Comment/ Rationale** | **Source of Comment (Name/Agency)** | **Suggested Disposition** | **Disposition**  **(Completed by Principal Editor)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 4-1 | 4.1 | 2 | ed | The meaning of this term is not clear to me. Could it not be more explicit? | Brigitte Behal/CNES |  | Complete. Modified test to add definition per the term as defined in SANA glossary of terms as “An entity that has the ability to acquire or broadcast navigation messages. “ https://sanaregistry.org/r/terms?status=&term\_0=participant&term\_1=iexact&definition\_0=&definition\_1=iexact&oid=&filter=Apply+filters |
| 4-2 | 4.3.3.2 | 3 | ed | Ref the word “bulges”: Should it not be singular instead of plural? | Brigitte Behal/CNES |  | Complete. Corrected to ‘bulge’ |
| 4-3 | 4.3.4.3 | 5 | ed | Ref the word “are”: Are or is? The subject is "the orientation" (singular) | Brigitte Behal/CNES |  | Complete. No Change: The correct term is “are” since we are referring to two parameters. |
| 4-5 | Fig 4-1 | Right middle | ed | Ref middle block on right: "t" is not really visible on my screen | Brigitte Behal/CNES |  | Complete. No change. This figure is grandfathered in, per agreement by the group. Perhaps the Editor could assist with this item. |
| 4-11 | 4.4.2.2.4 | 4 | te | Not clear to me: does that mean 6-Jan-1980 at 0h? | Brigitte Behal/CNES |  | Complete: changed to state 0h 1980 January 6. |
| 4-13 | 4.4.2.3.2 | 4 | te | Ref [s(TCB)/s(TDB)]: Not clear to me. What is the s function?  I found the following relationship in the literature:  TCB - TDB = 1.550505e-08 x (JD -2443144.5) x 86400, JD being the Julian Date  Could the definition of Lb be more explicit? | Brigitte Behal/CNES |  | Complete. ‘s’ merely refers to the fact that the equation holds for times given in seconds for those systems.  I don’t understand the question posed by providing the relationship in the comment. LB is a constant employed to define the linear relationship between TCB and TDB. Sentence amended to read “Using LB as a constant employed to define the linear relationship, when defined in units of seconds (s), TCB and TDB exhibit a scale difference of” 9followed by equn. |
| 4-13 | 4.4.2.3.2 | 6 | te | Ref “ \*(year-1977.0) : I do not understand. If I apply the previous relationship, I find that TCB –TDB = 0,48896726 s per year. What is the meaning of "(\* year-1977.0)"? | Brigitte Behal/CNES |  | Complete. No Change. The relationship holds starting with year 1977, which is when the IAU defined and aligned the terms TDB, TT, TCG, and TCB. This is common nomenclature. |
| 4-13 | 4.4.2.4 | 2 | Te | Ref “the author”: Who is the author of this document? There is no identified author. | Brigitte Behal/CNES |  | Complete. No Change. The author is given in the reference citation identified in the text. |
| 4-14 | Fig 4-6 | Right | te | Ref FK5 in figure: Clarify FK5 please | Brigitte Behal/CNES |  | Complete. Made entry in Glossary. FK5 is the Fifth Fundamental Catalogue; it is a pseudo-inertial system for geodetics coordinates that was used by the IAU to define motion of the equator and equinox prior to IAU’s use of GCRF. |
| 4-14 | Fig 4-6 | left | te | Ref “TCG=TT+2.2s/cy\*(year-1977.0)”: Does not seem coherent with §4.4.2.2.1 that says:  TT= (1-LG) TCG  where LG=6.9692901 x 10-10  Which leads to TCG = TT\* 1,0000000007  Can you explain please? |  |  | Complete. No Change. 100 yr/century \*365.25 days/yr \*86400 sec/day\*LG = 2.2 seconds/century. The relationship only applies to years since 1977 when the IAU established alignment between the terms TDB, TT, TCG, and TCB. |
| 4-15 | 4.5 | 1 | ed | Ref word “astrodynamic”: should it not be "astrodynamic**s**" or astrodynamical? |  |  | Complete. No Change. The word “astrodynamics” is the adjective, the subject is “constants”; subject-verb agreement is maintained in the sentence as is. |
| 4-15 | 4.6 | 1 | ed | Ref word “astrodynamic”: should it not be "astrodynamic**s**" or astrodynamical? |  |  | Complete. No Change. The word “astrodynamics” is the adjective, the subject is “constants”; subject-verb agreement is maintained in the sentence as is. |
| 5-9 | 5.3.3 | 20 | ed | Ref word “spacecraft”: Shout it not be plural? |  |  | Complete. No Change. The word “spacecraft” is both singular and plural. |
| 6-1 | 6.2.1.2 | 5 | ed | Ref word “that”: Should it not be "these frames"? |  |  | Complete. Changed to “these frames”. |
| 6-3 | 6.2.2.1 | 1 | ed | Ref word “optimetrics”: Optimetrics or opt**o**metrics? |  |  | Complete. No Change. Either form is acceptable. |
| 6-5 | 6.2.2.4 | 6 | Ed | Ref word “’five-way’”: It does not seem coherent with the title of the paragraph |  |  | Complete. No Change. While the measurement is 4-way (along a 4-legged path), the addition of a reference signal adds an additional leg. It is only relevant to a relay-type measurement and does not stand on its own. |
| 6-6 | 6.2.2.5 | 9-10 | Ed | The font size of this sentence is different from the previous sentences. |  |  | Complete. |