

Recommended Standard CCSDS 509.0-B-1 TECHNICAL CORRIGENDUM 1

Issue Date: May 2021

Pointing Request Message

TECHNICAL CORRIGENDUM 1

The Management Council of the Consultative Committee for Space Data Systems (CCSDS) has authorized the publication of technical corrigendum 1 to CCSDS 509.0-B-1, issued February 2018.

Page 3-21, table 3-16, row 1, column 2, change from:

"frameDir and baseFrameDir elements of type *Direction vector*. phaseAngle element of *Phase Angle* type. (See attitude description in annex F.)"

to:

"frameDir and baseFrameDir elements of type *Direction vector*.

phaseAngle element of *Phase Angle* type for the rotation around the reference axis.

(See attitude description in annex F.)

offsetAngle element (optional) of *Phase Angle* type for the rotation off the reference axis."

row 1, column 3, add line after '<phaseAngle ...>':

" <offsetAngle ...>"

Pages 4-3-4-76, tables 4-1-4-20

change cross reference from "table 3-1" to "table 3-10"

Page 4-21, template 4-6,

delete line " <targetBody ref="%targetBodyName%"/>"

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NOTE - Current versions of CCSDS documents are maintained at the CCSDS Web site:

https://public.ccsds.org/

Correspondence regarding CCSDS documents should be addressed to

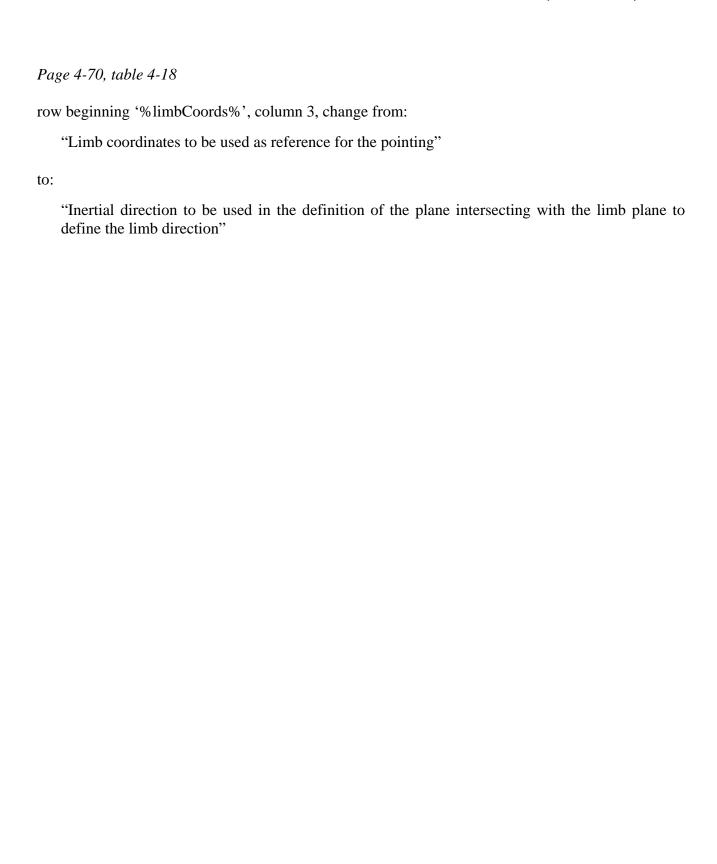
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Page 4-22, table 4-6,
delete row beginning '%targetBodyName%'
Page 4-33, template 4-9
change from " <block name="nadir">" to " <block name="nadirWithPowerOptimizedYawSteering">"
Page 4-38, template 4-10
change from " <block ref="nadir">" to " <block ref="nadirWithPowerOptimizedYawSteering">" to " <brook ref="nadirWithPower
Page 4-38, template 4-10
change from " <block ref="nadir">" to " <block ref="nadirWithPowerOptimizedYawSteering">"
Page 4-41, template 4-11
change from " <block name="nadir">" to " <block name="nadirWithTrackAlignedYawSteering">"
Page 4-46, template 4-12
Page 4-49, template 4-13
change from " <block name="nadir">" to " <block name="nadirWithOrbitalPoleAlignedYawSteering">" to " <brook name="nadirWithOrb
Page 4-54, template 4-14
change from " <block ref="nadir">" to " <block ref="nadirWithOrbitalPoleAlignedYawSteering">"
Page 4-62, table 4-16
row beginning '%limbCoords%', column 3, change from:
                  "Limb coordinates to be used as reference for the pointing"
to:
                  "Inertial direction to be used in the definition of the plane intersecting with the limb plane to
                  define the limb direction"
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