

## 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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## TECHNICAL CORRIGENDUM 1 TO CCSDS 509.0-B-1 (Continued)

*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">`”

*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*

change from “ `<block ref="nadir">`” to “ `<block ref="nadirWithTrackAlignedYawSteering">`”

*Page 4-49, template 4-13*

change from “ `<block name="nadir">`” to “ `<block name="nadirWithOrbitalPoleAlignedYawSteering">`”

*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”

## TECHNICAL CORRIGENDUM 1 TO CCSDS 509.0-B-1 (Continued)

*Page 4-70, table 4-18*

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”