

### 3.5.3 Convention Centre

The IERS Conventions Centre is provided jointly by the U.S. Naval Observatory (USNO) and the Bureau International des Poids et Mesures (BIPM). The work accomplished in 2002 is the following:

#### Chapter 1 – General Definitions and Numerical Standards

The chapter has been updated for consistency of notation and concepts with other sections according to IAG and IAU working groups.

#### Chapter 2 – Conventional Celestial Reference System and Frame

The chapter has been updated to incorporate the effects of the IAU 2000 24<sup>th</sup> General Assembly.

#### Chapter 3 – Conventional Dynamical Reference Frame

The chapter has been updated to be consistent with notation and concepts of other sections.

#### Chapter 4 – Conventional Terrestrial Reference System

The Chapter has been updated for ITRF2000.

#### Chapter 5 – Transformation Between the Celestial and Terrestrial Systems

The chapter was modified to be consistent with resolutions adopted at the 24<sup>th</sup> IAU General Assembly and the 2002 IERS Workshop. Nicole Capitaine and Patrick Wallace have provided a major revision.

#### Chapter 6 – Geopotential

The chapter has been updated to include the EGM96 conventional geopotential model and the treatment of tides.

#### Chapter 7 – Site Displacement

The chapter has been updated to account for models used in IERS analysis centers and to ensure consistency with chapters 4 and 6.

#### Chapter 8 – Tidal Variations in the Earth's Rotation

The chapter has been updated to be consistent with resolutions adopted at the 24<sup>th</sup> IAU General Assembly.

#### Chapter 9 – Tropospheric Model

The chapter has been updated.

#### Chapter 10 – General Relativistic Models for Time, Coordinates and Equations of Motion

The chapter has been updated for consistency of notation and con-

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cepts with other sections. New software for the TCB-TCG transformation, developed by Harada and Fukushima, has been checked against existing programs and added to the list of such standards.

#### Chapter 11 – General Relativistic Models for Propagation

The chapter has been updated for consistency of notation and concepts with other sections.

#### Appendix – Resolutions of the 24<sup>th</sup> IAU General Assembly

New versions of chapters and accompanying software are posted on the web as they become available, see  
<<http://maia.usno.navy.mil/conv2000.html>>.

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