

3.5.3 Convention Centre

The Convention Centre is provided jointly by the U.S. Naval Observatory (USNO) and the Bureau International des Poids et Mesures (BIPM), who are working on the new edition of the IERS Conventions. The new edition has been slightly re-organized with respect to Conventions 1996, and numerous updates have been introduced. The work accomplished or in progress 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 and expanded to provide definitions for concepts used throughout the document.

Chapter 2 – Conventional Celestial Reference System and Frame

The chapter has been updated to incorporate the effects of the IAU 2000 24th General Assembly

Chapter 3 – Conventional Dynamical Realization of ICRF

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 is being modified to be consistent with resolutions adopted at the 24th IAU General Assembly and the 2002 IERS Workshop.

Chapter 6 – Geopotential

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

Chapter 7 – Site Displacement

The chapter has been updated to account for models used in IERS analysis centres 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 24th IAU General Assembly

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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 concepts with other sections.

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 24th 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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