INTERNATIONAL STANDARD

ISO
8601-1

Date and time — Representations for information interchange —

Part 1:
Basic rules

Date et heure — Représentations pour l'échange d'information —

Partie 1: Règles de base

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 154, *Processes, data elements and documents in commerce, industry and administration*.

This first edition of ISO 8601-1, together with ISO 8601-2, cancels and replaces ISO 8601:2004, which has been technically revised.

The main changes compared to ISO 8601:2004 are as follows:

— conversion of the content as Part 1 with the Part title "Basic rules" due to the addition of another Part 2 "Extensions" of ISO 8601;

— replacement of the term "midnight" with "beginning of day", disallowing the value "24" for hour;

— update of terms and definitions:

  — "time point" is now "time";

  — "local time" is now "local time of day";

  — added definition for "time of day" and "local time scale";

  — updated definitions for "standard time of day", "local time of day" and "UTC of day" to rely on "time of day";

  — combined two "day" terms in different domains for consistency;

  — change of the representation of "leap seconds";

— clarification of "calendar day" expressions intended to mean "calendar day of week" (etc.);

— amendment of the recurring time interval (3.1.1.11) to provide a link to ISO 8601-2:2019 which contains in Clause 5 the "repeat rules for recurring time intervals".

A list of all parts in the ISO 8601 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.