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**Technical requirements for TAA to certify  
UTC-traceability**

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## Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by National Institute of Information and Communications Technology (NICT)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS X 5094:2011** is replaced with this Standard.

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# Technical requirements for TAA to certify UTC-traceability

## Introduction

This Japanese Industrial Standard was established in 2011, and has been revised this time with the aim of harmonizing its contents with **ISO/IEC 18014-4** : 2015, with some modifications of the technical contents to reflect the needs and conditions unique to Japan.

The dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

This Standard describes an overall architecture for providing trusted time to the time-stamping authority (TSA) and specifies technical guidelines to guarantee its correctness through the use of the time assessment authority (TAA).

## 1 Scope

This Standard

- defines the functionality of the time assessment authority (TAA),
- describes an overall architecture for providing the time to the time-stamping authority (TSA) and to guarantee the correctness of it through the use of the TAA, and
- gives technical guidelines for the TAA to provide, and to provide assurance in, a trusted time source to the TSA.

**NOTE** The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO/IEC 18014-4 : 2015 *Information technology — Security techniques — Time-stamping services — Part 4 : Traceability of time sources* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standards and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

ISO/IEC 18014-1 *Information technology — Security techniques — Time-stamping services — Part 1 : Framework*

ITU-R TF.1876 *Trusted time source for Time Stamp Authority*