

**Doc. No. : LITD 17 (12706)**  
**IS/ ISO/IEC 18014-4:2015**

**BUREAU OF INDIAN STANDARDS**

**DRAFT FOR COMMENTS ONLY**

**Draft Indian Standard**

**INFORMATION TECHNOLOGY — SECURITY TECHNIQUES —  
TIME-STAMPING SERVICES —  
PART 4: TRACEABILITY OF TIME SOURCES**

ICS 35.040

Last date for receipt of comments is: 13 August 2018

Information Systems Security and Biometrics Sectional Committee, LITD 17

**NATIONAL FOREWORD**

(Formal clauses to be added later)

This Draft Indian Standard (Part 4) which is identical with ISO/IEC 18014-4:2015 'Information technology – Security techniques – Time stamping services – Part 4: Traceability of time sources' issued by International Organization for Standardization (ISO) and International Electro technical Commission (IEC) will be adopted by the Bureau of Indian Standards on the recommendations of the Information Systems Security and Biometrics Sectional Committee, and approval of the Electronics and Information Technology Division Council.

Other parts in this series are:

Part 1 Framework

Part 2 Mechanisms producing independent tokens

Part 3 Mechanisms producing linked tokens

The text of ISO/IEC Standard may be approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.

b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standard also exist. For undated references, the latest edition of the referenced document applies, including any corrigenda and amendment. The corresponding Indian Standard which is to be substituted in its respective place is listed below along with its degree of equivalence for the edition indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO/IEC 18014-1 Information technology — Security techniques — Time-stamping services — Part 1: Framework	IS/ISO/IEC 18014-1:2008 Information technology — Security techniques — Time-stamping services — Part 1: Framework (Under Print)	Identical with ISO/IEC 18014- 1:2008

The technical committee has reviewed the provisions of following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard. For undated references, the latest edition of the referenced document applies, including any corrigenda and amendment.

<i>International Standards</i>	<i>Title</i>
ITU-R TF.1876	Trusted time source for Time Stamp Authority

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (revised)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

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Scope of ISO/IEC 18014-4:2015 is as follows:

“This part of ISO/IEC 18014

- 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 Technical content of this document has not been enclosed as these are identical with the corresponding ISO/IEC Standard. For details please refer ISO/IEC 18014-4:2015 or kindly contact.

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