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IS/ISO/IEC 14888 -1:2008

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

Draft Indian Standard

INFORMATION TECHNOLOGY — SECURITY TECHNIQUES — DIGITAL SIGNATURES WITH APPENDIX –Part 1 General

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 1) which is identical with ISO/IEC 14888-1:2008 'Information technology – Security techniques – Digital Signatures With Appendix – part 1 General' 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 2 Integer factorization based mechanisms
Part 3 Discrete logarithm based mechanisms

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.

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.

Scope of ISO/IEC 14888-1:2008 is as follows:

"ISO/ IEC 14888 specifies several digital signature mechanisms with appendix for messages of arbitrary length.

This part of ISO/IEC 14888 contains general principles and requirements for digital signatures with appendix. It also contains definitions and symbols which are used in all parts of ISO/IEC 14888.

Various means are available to obtain a reliable copy of the public verification key, e.g., a public key certificate. Techniques for managing keys and certificates are outside the scope of ISO/IEC14888. For further information, see ISO/IEC 9594-8 [4], ISO/IC 11770-3 [3] AND ISO/IEC 15945[5].**"**

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 14888-1:2008 or kindly contact.

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