**IS XXXXX: XXXX**

***भारतीय मानक***

***Indian Standard***

**ISO 22311: 2012**

**सामाजिक सुरक्षा — वीडियो-निगरानी — निर्यात अंतर-संचालनीयता**

**Societal Security — Video-Surveillance — Export Interoperability**

ICS 03.100.01

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BUREAU OF INDIAN STANDARDS

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# Risk Management, Security and Resilience Sectional Committee, MSD 17

# NATIONAL FOREWORD

This Indian Standard which is identical with ISO 22311: 2012 ‘Societal Security — Video-Surveillance — Export Interoperability’ issued by the International Organization for Standardization (ISO) was adopted by the Bureau of Indian Standards on the recommendation of the Risk Management, Security and Resilience Sectional Committee and approval of the Management and Systems Division Council.

The text of the International Standard has been 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:

1. Wherever the words ‘International Standard’ appear referring to this standard, they should be read as `Indian Standard’.

In this adopted standard, references appear to certain International Standards for which Indian Standards also exist. The correspondence Indian standards, which is to be substituted in its place, are listed below along with degree of equivalent for the editions indicated:

|  |  |  |
| --- | --- | --- |
| *International Standard* | *Corresponding Indian Standard* | *Degree of Equivalence* |
| ISO/IEC 14496-2:2004, Information technology — Coding of audio-visual objects — Part 2: Visual | IS/ISO/IEC 14496-2 : 2004, Information Technology - Coding of Audio-Visual Objects Part 2 Visual | Identical |
| ISO/IEC 14496-3:2009, Information technology — Coding of audio-visual objects — Part 3: Audio | IS/ISO/IEC 14496-3 : 2019, Information technology Coding of audio-visual objects Part 3: Audio First Revision | Identical |
| ISO/IEC 14496-10:2012, Information technology — Coding of audio-visual objects — Part 10: Advanced Video Coding | IS/ISO/IEC 14496-10 : 2014, Information technology — Coding of audio-visual objects — Part 10: Advanced Video Coding | Identical |
| ISO/IEC 14496-12:2012, Information technology — Coding of audio-visual objects — Part 12: ISO base media file format | IS/ISO/IEC 14496-12 : 2015, Information technology — Coding of audio-visual objects — Part 12: ISO base media file format | Identical |
| ISO/IEC 14496-14:2003, Information technology— Coding of audio-visual objects— Part 14: MP4 file format | IS/ISO/IEC 14496-14 : 2020,  Information Technology Coding Of Audio-Visual Objects Part 14 Mp4 File Format (First Revision) | Identical |
| ISO/IEC 14496-15:2010, Information technology — Coding of audio-visual objects — Part 15: Advanced Video Coding (AVC) file format | IS/ISO/IEC 14496-15 : 2019, Information Technology — Coding Of Audio-Visual Objects  Part 15 Carriage Of Network Abstraction Layer (NAL) Unit Structured Video In The ISO Base Media File Format (First Revision) | Identical |

In this adopted standard, references appear to certain International Standards for which no Indian Standards exist. The technical committee have reviewed the provisions of the following international standards referred in this standard and has decided that they are acceptable for use in conjunction with this standard:

|  |  |
| --- | --- |
| *International Standard* | *Title* |
| ISO/IEC 10918-1:1994 | Information technology — Digital compression and coding of continuous-tone still  images: Requirements and guidelines — Part 1 |
| ISO/IEC 10918-5 | Information technology— Digital compression and coding of continuous-tone still images: JPEG File Interchange Format (JFIF) — Part 51) |
| ISO/IEC15444-1:2004 | Information technology— JPEG 2000 image coding system: Core coding system— Part1 |
| ISO/IEC 23000-10 | Information technology — Multimedia application format (MPEG-A) — Part 10: Surveillance application format2) |
| IEC 62676-1-1 | Video surveillance systems for use in security applications — Part 1-1: Video system requirements3) |
| IEC 62676-2-3 | Video surveillance systems for use in security applications — Part 2-3: Video transmission protocols — IP interoperability implementation based on web services4) |
| ITU-T/Rec G.711 | Pulse code modulation (PCM) of voice frequencies |
| SMPTE RP210.11-2008 | Metadata Dictionary Contents |
| SMPTE 335M-2001 | Metadata Dictionary Structure |
| SMPTE 336M-2007 | Data Encoding Protocol Using Key-Length Value |

Annex A is integral part of this standard and Annex B is for Information only.

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 analysis shall be rounded off in accordance with IS 2 : 2022 ‘Rules for rounding off numerical values (second revision)’. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.