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Video surveillance systems for use in security applications - Part 2-32: Recording control and replay based on web services

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

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**Video surveillance systems for use in security applications - Part  
 2-32: Recording control and replay based on web services  
 (IEC 62676-2-32:2019)**

Systèmes de vidéosurveillance destinés à être utilisés dans  
 les applications de sécurité - Partie 2-32: Contrôle  
 d'enregistrement et lecture en fonction des services Web  
 (IEC 62676-2-32:2019)

Videoüberwachungssysteme für Sicherheitsanwendungen -  
 Teil 2-32: Videoübertragungsprotokolle - IP-Interoperabilität  
 auf Basis von Webservices - Aufzeichnung  
 (IEC 62676-2-32:2019)

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**EN IEC 62676-2-32:2019 (E)****European foreword**

The text of document 79/621/FDIS, future edition 1 of IEC 62676-2-32, prepared by IEC/TC 79 "Alarm and electronic security systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62676-2-32:2019.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2020-04-30
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-07-31

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**Annex ZA**  
(normative)

**Normative references to international publications  
with their corresponding European publications**

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NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60839-11-31	2016	Alarm and electronic security systems -EN 60839-11-31 Part 11-31: Electronic access control systems - Core interoperability protocol based on Web services	-EN 60839-11-31	2017
IEC 62676-2-31	2019	Video surveillance systems for use in security applications - Part 2-31: Live streaming and control based on web services		-
Internet Assigned-Numbers Authority		Media Types	-	-
RFC 2326	-	Real Time Streaming Protocol (RTSP)	-	-
RFC 3280	-	Internet X.509 Public Key Infrastructure-Certificate and Certificate Revocation List (CRL) Profile		-
RFC 3550	-	RTP: A Transport Protocol for Real-Time-Applications		-
RFC 4055	-	Additional Algorithms and Identifiers for RSA Cryptography for use in the Internet X.509 Public Key Infrastructure - Certificate and Certificate Revocation List (CRL) Profile		-
SOAP12-PART1	-	SOAP 1.2 – Part 1, Messaging Framework -		-
XML-Schema 1	-	W3C XML Schema – Part 1: Structures Second Edition	-	-
XML-Schema 2	-	W3C XML Schema – Part 2: Datatypes-Second Edition		-
XPath 1.0	-	XML Path Language (XPath) Version 1.0	-	-
FIPS 180-4	-	Secure Hash Standard (SHS)	-	-



IEC 62676-2-32

Edition 1.0 2019-06

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



**Video surveillance systems for use in security applications –  
Part 2-32: Recording control and replay based on web services**

**Systèmes de vidéosurveillance destinés à être utilisés dans les applications de sécurité –  
Partie 2-32: Contrôle d'enregistrement et lecture en fonction des services Web**





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# INTERNATIONAL STANDARD

## NORME INTERNATIONALE



**Video surveillance systems for use in security applications –  
Part 2-32: Recording control and replay based on web services**

**Systèmes de vidéosurveillance destinés à être utilisés dans les applications de sécurité –  
Partie 2-32: Contrôle d'enregistrement et lecture en fonction des services Web**

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**VIDEO SURVEILLANCE SYSTEMS FOR  
USE IN SECURITY APPLICATIONS –****Part 2-32: Recording control and replay based on web services****FOREWORD**

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International Standard IEC 62676-2-32 has been prepared by IEC technical committee 79: Alarm and electronic security systems.

This first edition, together with IEC 60839-11-31 and IEC 62676-2-31, cancels and replaces IEC 62676-2-3:2013.

This edition includes the following significant technical changes with respect to IEC 62676-2-3:2013:

- a) an export file format has been added.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
79/621/FDIS	79/623/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 62676 series, published under the general title *Video surveillance systems for use in security applications*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

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## INTRODUCTION

The goal of this document is to provide a fully interoperable network video recording and reply implementation comprised of products from different vendors. This document describes the network video recording model, interfaces, data types and data exchange patterns. The document reuses existing relevant standards where available, and introduces new specifications only where necessary to support the specific requirements for network video recording and reply.

## VIDEO SURVEILLANCE SYSTEMS FOR USE IN SECURITY APPLICATIONS –

### Part 2-32: Recording control and replay based on web services

#### 1 Scope

This part of IEC 62676 specifies the web service interface for the configuration of the recording of video, audio and metadata. Additionally, associated events are defined.

Clause 4 provides a definition of the storage model this document is based on.

Web service usage is outside the scope of this document. Please refer to the IEC 60839-11-31 for more information

#### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60839-11-31:2016, *Alarm and electronic security systems – Part 11-31: Electronic access control systems – Core interoperability protocol based on Web Services*

IEC 62676-2-31:2019, *Video surveillance system for use in security applications – Part 2-31: Live streaming and control based on web services*

Internet Assigned Numbers Authority (IANA), Media Types, *Media Types* [online]. Edited N. Freed et al. [viewed 2019-02-28]. Available at <https://www.iana.org/assignments/media-types/media-types.xhtml>

INTERNET ENGINEERING TASK FORCE (IETF). RFC 2326: *Real Time Streaming Protocol (RTSP)* [online]. Edited by H. Schulzrinne et al. April 1998 [viewed 2019-02-28]. Available at <http://www.ietf.org/rfc/rfc2326.txt>

INTERNET ENGINEERING TASK FORCE (IETF). RFC 3280, *Internet X.509 Public Key Infrastructure – Certificate and Certificate Revocation List (CRL) Profile* [online]. Edited by Housley, et. al. April 2002 [Viewed 2019-02-28]. Available at <http://www.ietf.org/rfc/rfc3280.txt>

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INTERNET ENGINEERING TASK FORCE (IETF). RFC 4055, *Additional Algorithms and Identifiers for RSA Cryptography for use in the Internet X.509 Public Key Infrastructure – Certificate and Certificate Revocation List (CRL) Profile* [online]. Edited by Schaad, et al. June 2005 [viewed 2019-02-28]. Available at <https://www.ietf.org/rfc/rfc4055.txt>

The World Wide Web Consortium (W3C). SOAP12-PART1, *SOAP 1.2 – Part 1, Messaging Framework* [online]. Edited by M. Gudgin et al. Apr 2007 {Viewed 2019-02-28}. Available at <https://www.w3.org/TR/soap12-part1/>

*The World Wide Web Consortium (W3C). XML-Schema 1, W3C XML Schema – Part 1: Structures Second Edition [online]. Edited by H. Thompson et al. Oct 2004 [viewed 2019-02-28]. Available at <https://www.w3.org/TR/xmlschema-1/>*

*The World Wide Web Consortium (W3C). XML-Schema 2, W3C XML Schema – Part 2: Datatypes Second Edition [online]. Edited by P. Biron et al. Oct 2004 [viewed 2019-02-28]. Available at <https://www.w3.org/TR/xmlschema-2/>*

*The World Wide Web Consortium (W3C). XPath 1.0, XML Path Language (XPath) Version 1.0 [online]. Edited by J. Clark et al. Nov 1999 [Viewed 2019-02-28]. Available at <https://www.w3.org/TR/1999/REC-xpath-19991116/>*

Federal Information Processing Standard (FIPS), FIPS 180-4, *Secure Hash Standard (SHS)* [online]. [viewed 2019-02-28]  
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