SVENSK STANDARD SS-EN IEC 60839-11-33

Fastställd	Utgåva	Sida	Ansvarig kommitté
2021-12-15	1	1 (1+184)	SEK TK 79

Larmsystem – Del 11-33: Passerkontrollsystem – Passerkontrollkonfigurering baserad på webbtjänster

Alarm and electronic security systems – Part 11-33: Electronic access control systems – Access control configuration based on Web services

Som svensk standard gäller europastandarden EN IEC 60839-11-33:2021. Den svenska standarden innehåller den officiella engelska språkversionen av EN IEC 60839-11-33:2021.

Nationellt förord

Europastandarden EN IEC 60839-11-33:2021

består av:

– **europastandardens ikraftsättningsdokument,** utarbetat inom CENELEC
– **IEC 60839-11-33, First edition, 2021 - Alarm and electronic security systems - Part 11-33: Electronic access control systems - Access control configuration based on Web services**

utarbetad inom International Electrotechnical Commission, IEC.

ICS 13.320.00

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 60839-11-33

October 2021

ICS 13.320

English Version

Alarm and electronic security systems - Part 11-33: Electronic access control systems - Access control configuration based on Web services (IEC 60839-11-33:2021)

Systèmes d'alarme et de sécurité électroniques - Partie 11-33: Systèmes de contrôle d'accès électronique - Configuration du contrôle d'accès en fonction des services Web
(IEC 60839-11-33:2021)

Alarmanlagen - Teil 11-33: Elektronische Zutrittskontrollanlagen - Parametrierung der Zutrittskontrolle basierend auf Web Services
(IEC 60839-11-33:2021)

This European Standard was approved by CENELEC on 2021-09-29. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. EN IEC 60839-11-33:2021 E

European foreword

The text of document 79/646/FDIS, future edition 1 of IEC 60839-11-33, 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 60839-11-33:2021.

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) 2022–06–29
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024–09–29

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

Any feedback and questions on this document should be directed to the users’ national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 60839-11-33:2021 was approved by CENELEC as a European Standard without any modification.

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

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.

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.

Publication	Year	Title	EN/HD	Year
IEC 60839-11-1	2013	Alarm and electronic security systems Part 11–1: Electronic access control systems - System and components requirements	EN 60839-11-1	2013
-	-		+ AC	2015
IEC 60839-11-2	2014	Alarm and electronic security systems Part 11–2: Electronic access control systems - Application guidelines	EN 60839-11-2	2015
-	-		+ AC	2015
IEC 60839-11-31	2016	Alarm and electronic security systems Part 11–31: Electronic access control systems - Core interoperability protocol based on Web services	EN 60839-11-31	2017
IEC 60839-11-32	2016	Alarm and electronic security systems Part 11–32: Electronic access control systems - Access control monitoring based on Web services	EN 60839-11-32	2017
ISO 16484-5	2017	Building automation and control systems (BACS) - Part 5: Data communication protocol	EN ISO 16484-5	2017
RFC 5545	-	Internet Calendaring and Scheduling Core Object Specification (iCalendar)	-	-
RFC 5234	-	Augmented BNF for Syntax Specifications: ABNF	-	-

IEC 60839-11-33

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

colour inside

Alarm and electronic security systems – Part 11-33: Electronic access control systems – Access control configuration based on Web services

Systèmes d'alarme et de sécurité électroniques – Partie 11-33: Systèmes de contrôle d'accès électronique – Configuration du contrôle d'accès en fonction des services Web

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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ALARM AND ELECTRONIC SECURITY SYSTEMS –

Part 11-33: Electronic access control systems – Access control configuration based on Web services

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as “IEC Publication(s)”). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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IEC 60839-11-33 has been prepared by IEC technical committee 79: Alarm and electronic security systems. It is an International Standard.

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

FDIS	Report on voting
79/646/FDIS	79/648/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

A list of all parts in the IEC 60839 series, published under the general title *Alarm and electronic security systems*, 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 webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

IMPORTANT – The "colour inside" logo on the cover page of this document indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

INTRODUCTION

This document makes it possible to build an alarm and electronic security system with clients, typically a monitoring console, and devices, typically an access control unit, from different manufacturers using common and well defined interfaces.

The document specifies only the data and control flow between a client and the services without reference to any physical device as the services required to implement a compliant electronic access control system (EACS) are not necessarily implemented on a single device, i.e. all services can be run on a control panel, event aggregator software on PC, etc.

This document does not define internal communication between an access control unit and its components if they are implemented on a single device.

This document is based upon work done by the ONVIF open industry forum. The ONVIF Credential specification, ONVIF Access Rules specification, ONVIF Authentication Behaviour specification and ONVIF Schedule specification are compatible with this document.

This document is accompanied by a set of computer readable interface definitions (see Annex A):

- credential service WSDL, see Clause A.1;
- access rules service WSDL, see Clause A.2;
- authentication behaviour service WSDL, see Clause A.3;
- schedule service WSDL, see Clause A.4.

Due to the differences in terminology used in IEC 60839-11-1:2013 and IEC 60839-11-2:2014 and the ONVIF specification that this part of IEC 60839 is based on, a reader should take special notice of the terms and definitions clause.

Additional services needed for monitoring of doors and access points (portal sides) are outside the scope of this document. These services are covered by IEC 60839-11-32.

ALARM AND ELECTRONIC SECURITY SYSTEMS –

Part 11-33: Electronic access control systems – Access control configuration based on Web services

1 Scope

This part of IEC 60839 defines the Web services interface for electronic access control systems. This includes listing electronic access control system components, their logical composition, monitoring their states and controlling them. It also includes a mapping of mandatory and optional requirements in accordance with IEC 60839-11-1:2013, as covered by Annex B.

This document applies to physical security only. Physical security prevents unauthorized personnel, attackers or accidental intruders from physically accessing a building, room, etc.

Web services usage and device management functionality are outside the scope of this document. Refer to IEC 60839-11-31:2016 for more information.

This document does not in any way limit a manufacturer to add other protocols or extend the protocol defined here. For rules on how to accomplish this, refer to IEC 60839-11-31:2016.

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 60839-11-1:2013*, Alarm and electronic security systems – Part 11-1: Electronic access control systems – System and components requirements*

IEC 60839-11-2:2014, *Alarm and electronic security systems – Part 11-2: Electronic access control systems – Application guidelines*

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 60839-11-32:2016, *Alarm and electronic security systems – Part 11-32: Electronic access control systems – Access control monitoring based on Web services*

ISO 16484-5:2017, *Building automation and control systems (BACS) – Part 5: Data communication protocol*

RFC 5545, *Internet Calendaring and Scheduling Core Object Specification (iCalendar),* (availabe at https://tools.ietf.org/html/rfc5545)

RFC 5234, *Augmented BNF for Syntax Specifications: ABNF,* (available at https://tools.ietf.org/html/rfc5234)