

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

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.
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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)

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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.

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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.

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

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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		-

INTERNATIONAL STANDARD

NORME INTERNATIONALE



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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 STANDARD

NORME INTERNATIONALE



**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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ALARM AND ELECTRONIC SECURITY SYSTEMS –**Part 11-33: Electronic access control systems –
Access control configuration based on Web services**

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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,
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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.