SLOVENSKI STANDARD
oSIST prEN IEC 62541-9:2024

01-marec-2024

Enotna arhitektura OPC - 9. del: Alarmi in pogoji

OPC Unified Architecture - Part 9: Alarms and Conditions

OPC Unified Architecture - Teil 9: Alarme und Zustände

Architecture unifiée OPC - Partie 9: Alarmes et conditions

Ta slovenski standard je istoveten z: **prEN IEC 62541-9:2024**

ICS:

25.040.40	Merjenje in krmiljenje industrijskih postopkov	Industrial process measurement and control
35.240.50	Uporabniške rešitve IT v industriji	IT applications in industry

oSIST prEN IEC 62541-9:2024 **en,fr,de**

65E/1056/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER: **IEC 62541-9 ED4**	
DATE OF CIRCULATION: **2024-01-26**	CLOSING DATE FOR VOTING: **2024-04-19**
SUPERSEDES DOCUMENTS: **65E/981/RR**	

IEC SC 65E : DEVICES AND INTEGRATION IN ENTERPRISE SYSTEMS

SECRETARIAT: United States of America	SECRETARY: Mr Donald (Bob) Lattimer
OF INTEREST TO THE FOLLOWING COMMITTEES:	PROPOSED HORIZONTAL STANDARD: ☐ Other TC/SCs are requested to indicate their interest, if any, in this CDV to the secretary.

FUNCTIONS CONCERNED:

☐ EMC ☐ ENVIRONMENT ☐ QUALITY ASSURANCE ☐ SAFETY

☒ SUBMITTED FOR CENELEC PARALLEL VOTING	☐ NOT SUBMITTED FOR CENELEC PARALLEL VOTING

Attention IEC-CENELEC parallel voting

The attention of IEC National Committees, members of CENELEC, is drawn to the fact that this Committee Draft for Vote (CDV) is submitted for parallel voting.

The CENELEC members are invited to vote through the CENELEC online voting system.

This document is still under study and subject to change. It should not be used for reference purposes.
Recipients of this document are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Recipients of this document are invited to submit, with their comments, notification of any relevant “In Some Countries” clauses to be included should this proposal proceed. Recipients are reminded that the CDV stage is the final stage for submitting ISC clauses. (SEE AC/22/2007 OR NEW GUIDANCE DOC).

TITLE:

OPC Unified Architecture - Part 9: Alarms and Conditions

PROPOSED STABILITY DATE: 2026

NOTE FROM TC/SC OFFICERS:

CONTENTS

FIGURES

TABLES

386

387

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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OPC UNIFIED ARCHITECTURE –

Part 9: Alarms and Conditions

FOREWORD

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International Standard IEC 62541-9 has been prepared by subcommittee 65E: Devices and integration in enterprise systems, of IEC technical committee 65: Industrial-process measurement, control and automation.

This fourth edition cancels and replaces the third edition published in 2020. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) Added "Comment" parameter to Alarm shelving methods.
b) Added method that allows a client to get the members of a group, since the AddressSpace might not expose instances of alarms.
c) Added Deadband properties for all limits in the limit AlarmType (from which all other types described in this issue are derived).
d) Added text explaining the disabling of alarms is no longer supported in ISA 18.2 and that it is maintained in this specification for backward compatibility, but that it is recommended that Alarm not be disabled.
e) Added optional severities for limit alarms.

f) Added new AlarmState variable type that can be used to collect alarm information for displays on graphics.

g) Added SupportsFilterRetain property to improve Client filtering.

h) Removed ConditionSubClassId and ConditionSubClassNames from the conditiontype definition since they are now defined in BaseEventType.

i)

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

CDV	Report on voting
65E/XX/CDV	65E/XX/RVC

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.

Throughout this document and the other parts of the IEC 62541 series, certain document conventions are used:

Italics are used to denote a defined term or definition that appears in the "Terms and definition" clause in one of the parts of the IEC 62541 series.

Italics are also used to denote the name of a service input or output parameter or the name of a structure or element of a structure that are usually defined in tables.

The *italicized terms and names* are, with a few exceptions, written in camel-case (the practice of writing compound words or phrases in which the elements are joined without spaces, with each element's initial letter capitalized within the compound). For example, the defined term is *AddressSpace* instead of Address Space. This makes it easier to understand that there is a single definition for *AddressSpace*, not separate definitions for Address and Space.

A list of all parts of the IEC 62541 series, published under the general title *OPC Unified Architecture*, 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

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

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