



SLOVENSKI STANDARD
oSIST prEN IEC 62541-19:2024
01-marec-2024

Enotna arhitektura OPC - 19. del: Slovanska zveza

OPC unified architecture - Part 19: Dictionary reference

Ta slovenski standard je istoveten z: prEN IEC 62541-19:2024

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 62541-19:2024 **en,fr,de**



65E/1044/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER: IEC 62541-19 ED1	
DATE OF CIRCULATION: 2024-01-26	CLOSING DATE FOR VOTING: 2024-04-19
SUPERSEDES DOCUMENTS: 65E/954/NP, 65E/1014/RVN	

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: <input type="checkbox"/> Other TC/SCs are requested to indicate their interest, if any, in this CDV to the secretary.
FUNCTIONS CONCERNED: <input type="checkbox"/> EMC <input type="checkbox"/> ENVIRONMENT <input type="checkbox"/> QUALITY ASSURANCE <input type="checkbox"/> SAFETY	
<input checked="" type="checkbox"/> 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.	<input type="checkbox"/> NOT SUBMITTED FOR CENELEC PARALLEL VOTING

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 19: Dictionary Reference

PROPOSED STABILITY DATE: 2026

NOTE FROM TC/SC OFFICERS:

CONTENTS

	Page
1	
2	
3	
4	1 Scope 1
5	2 Normative references 1
6	3 Terms, definitions, abbreviated terms, and conventions 1
7	3.1 Terms and definitions 1
8	4 Dictionary Reference Information Model overview 2
9	4.1 General 2
10	4.2 Overview 2
11	5 OPC UA ObjectTypes 4
12	5.1 DictionaryEntryType 4
13	5.2 DictionaryFolderType 4
14	5.3 IRDI ISO/IEC 11179-6 conformant DictionaryEntryType 4
15	5.4 URI based dictionary entry type 5
16	6 OPC UA ReferenceTypes 6
17	6.1 HasDictionaryEntry ReferenceType 6
18	7 OPC UA VariableTypes 7
19	7.1 MultiStateDictionaryEntryDiscreteBaseType VariableType 7
20	7.2 MultiStateDictionaryEntryDiscreteType VariableType 7
21	8 OPC UA Objects 8
22	8.1 Dictionaries Object 8
23	9 Examples (Informative) 9
24	
25	

iTeh Standards
 (<https://standards.iteh.ai>)
Document Preview

[oSIST prEN IEC 62541-19:2024](https://standards.iteh.ai/catalog/standards/sist/f56ac778-bdb2-41c7-9f96-4fb0493e3434/osist-pren-iec-62541-19-2024)

<https://standards.iteh.ai/catalog/standards/sist/f56ac778-bdb2-41c7-9f96-4fb0493e3434/osist-pren-iec-62541-19-2024>

FIGURES

26

27

28 Figure 1 – The dictionary reference types 3

29 Figure 2 – IRDI overview 5

30 Figure 3 – DeviceType Property example 9

31 Figure 4 – Example with references to classes and properties 9

32 Figure 5 – Example with two dictionaries 10

33

34

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[oSIST prEN IEC 62541-19:2024](https://standards.iteh.ai/catalog/standards/sist/f56ac778-bdb2-41c7-9f96-4fb0493e3434/osist-pren-iec-62541-19-2024)

<https://standards.iteh.ai/catalog/standards/sist/f56ac778-bdb2-41c7-9f96-4fb0493e3434/osist-pren-iec-62541-19-2024>

TABLES

35		
36	Table 1 – DictionaryEntryType definition	4
37	Table 2 – DictionaryFolderType definition	4
38	Table 3 – IrdiDictionaryEntryType Definition	5
39	Table 4 – UriDictionaryEntryType Definition	6
40	Table 5 – HasDictionaryEntry ReferenceType	6
41	Table 6 – MultiStateDictionaryEntryDiscreteBaseType Definition	7
42	Table 7 – MultiStateDictionaryEntryDiscreteType Definition	8
43	Table 8 – Dictionaries Definition	8
44		
45		

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[oSIST prEN IEC 62541-19:2024](https://standards.iteh.ai/catalog/standards/sist/f56ac778-bdb2-41c7-9f96-4fb0493e3434/osist-pren-iec-62541-19-2024)

<https://standards.iteh.ai/catalog/standards/sist/f56ac778-bdb2-41c7-9f96-4fb0493e3434/osist-pren-iec-62541-19-2024>