



SLOVENSKI STANDARD
oSIST prEN ISO/IEEE 11073-40102:2021
01-november-2021

**Zdravstvena informatika - Interoperabilnost naprav - 40102. del: Temeljno -
Kibernetska varnost - Sposobnosti za ublažitev (ISO/IEEE FDIS 11073-40102:2021)**

Health informatics - Device interoperability - Part 40102: Foundational - Cybersecurity -
Capabilities for mitigation (ISO/IEEE FDIS 11073-40102:2021)

(ISO/IEEE FDIS 11073-40102:2021)

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Informatique de santé - Interopérabilité des dispositifs - Partie 40102: Fondamentaux -
Cybersécurité - Capacités d'atténuation (ISO/IEEE FDIS 11073-40102:2021)

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Ta slovenski standard je istoveten z: prEN ISO/IEEE 11073-40102

ICS:

35.240.80	Uporabniške rešitve IT v zdravstveni tehniki	IT applications in health care technology
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FINAL
DRAFT

INTERNATIONAL ISO/IEEE/
STANDARD FDIS
11073-40102

ISO/TC 215

Secretariat: ANSI

Voting begins on:
2021-09-13

Voting terminates on:
2022-01-31

**Health informatics — Device
interoperability —**

Part 40102:
**Foundational — Cybersecurity —
Capabilities for mitigation**

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Institute of Electrical and Electronics Engineers, Inc
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Published in Switzerland

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Health informatics—Device interoperability

**Part 40102:
Foundational—Cybersecurity—
Capabilities for mitigation**

Developed by the

IEEE 11073 Standards Committee

of the

IEEE Engineering in Medicine and Biology Society

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Approved 24 September 2020

IEEE SA Standards Board

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ISO/IEEE FDIS 11073-40102:2021(E)

Abstract: For Personal Health Devices (PHDs) and Point-of-Care Devices (PoCDs), a security baseline of application layer cybersecurity mitigation techniques is defined by this standard for certain use cases or for times when certain criteria are met. The mitigation techniques are based on an extended confidentiality, integrity, and availability (CIA) triad and are described generally to allow manufacturers to determine the most appropriate algorithms and implementations. A scalable information security toolbox appropriate for PHD/PoCD interfaces is specified that fulfills the intersection of requirements and recommendations from the National Institute of Standards and Technology (NIST) and the European Network and Information Security Agency (ENISA). A mapping of this standard to the NIST cybersecurity framework; IEC TR 80001-2-2; and the Spoofing, Tampering, Repudiation, Information Disclosure, Denial of Service, and Elevation of Privilege (STRIDE) classification scheme is defined.

Keywords: cybersecurity, IEEE 11073-40102™, medical device communication, mitigation techniques, Personal Health Devices, Point-of-Care Devices

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PDF: ISBN 978-1-5044-7088-9 STD24424
Print: ISBN 978-1-5044-7089-6 STDPD24424

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ISO/IEEE FDIS 11073-40102:2021(E)

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Daidi Zhong, *Chair*

Michael Kirwan and **Christoph Fischer**, *Vice Chairs*

Karsten Aalders	Cory Condek	Shu Han
Charles R. Abbruscato	Todd H. Cooper	Nathaniel Hamming
Nabil Abujbara	David Cornejo	Rickey L. Hampton
Maher Abuzaid	Douglas Coup	Sten Hanke
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Diego B. Arquillo	David Davenport	Nathaniel Heintzman
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Muhammad Asim	Sushil K. Deka	Jun-Ho Her
Kit August	Ciro de la Vega	Helen B. Hernandez
Doug Baird	Pedro de-las-Heras-Quiros	Timothy L. Hirou
David Baker	Jim Dello Stritto	Allen Hobbs
Anindya Bakshi	Kent Dicks	Alex Holland
Abira Balanadarasan	Hyoungdo Do	Arto Holopainen
Ananth Balasubramanian	Jonathan Dougherty	Kris Holtzclaw
Sunlee Bang	Xiaolian Duan	Robert Hoy
M. Jonathan Barkley	Sourav Dutta	Anne Huang
Gilberto Barrón	Jakob Ehrensverd	Zhiyong Huang
David Bean	Fredrik Einberg	Ron Huby
John Bell	Javier Escayola Calvo	David Hughes
Olivia Bellamou-Huet	Mark Estes	Robert D. Hughes
Rudy Belliardi	Leonardo Estevez	Jiyong Huh
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Ola Björnsne	Russell Foster	Michael Jaffe
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Thomas Bluethner	Matthias Frohner	Hu Jin
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