

### ISO/IEC 14763-5

Edition 1.0 2025-04

# INTERNATIONAL STANDARD

Information technology – Implementation and operation of customer premises cabling –

Part 5: Sustainability

ocument Preview

ISO/IEC 14763-5:2025

https://standards.iteh.ai/catalog/standards/iso/3df8e0a7-5f79-40e9-843d-da19612d6561/iso-jec-14763-5-2024





## THIS PUBLICATION IS COPYRIGHT PROTECTED Copyright © 2025 ISO/IEC, Geneva, Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either IEC or IEC's member National Committee in the country of the requester. If you have any questions about ISO/IEC copyright or have an enquiry about obtaining additional rights to this publication, please contact the address below or your local IEC member National Committee for further information.

Tel.: +41 22 919 02 11

IEC Secretariat 3, rue de Varembé CH-1211 Geneva 20 Switzerland

info@iec.ch www.iec.ch

#### About the IEC

The International Electrotechnical Commission (IEC) is the leading global organization that prepares and publishes International Standards for all electrical, electronic and related technologies.

#### **About IEC publications**

The technical content of IEC publications is kept under constant review by the IEC. Please make sure that you have the latest edition, a corrigendum or an amendment might have been published.

#### IEC publications search - webstore.iec.ch/advsearchform

The advanced search enables to find IEC publications by a variety of criteria (reference number, text, technical committee, ...). It also gives information on projects, replaced and withdrawn publications.

#### IEC Just Published - webstore.iec.ch/justpublished

Stay up to date on all new IEC publications. Just Published details all new publications released. Available online and once a month by email.

#### IEC Customer Service Centre - webstore.iec.ch/csc

If you wish to give us your feedback on this publication or need further assistance, please contact the Customer Service Centre: sales@iec.ch.

#### IEC Products & Services Portal - products.iec.ch

Discover our powerful search engine and read freely all the publications previews, graphical symbols and the glossary. With a subscription you will always have access to up to date content tailored to your needs.

#### Electropedia - www.electropedia.org

The world's leading online dictionary on electrotechnology, containing more than 22 500 terminological entries in English and French, with equivalent terms in 25 additional languages. Also known as the International Electrotechnical Vocabulary (IEV) online.

**Document Preview** 

ISO/IEC 14763-5:2025

https://standards.iteh.ai/catalog/standards/iso/3df&e0a7-5f79-40e9-843d-da19612d6561/iso-jec-14763-5-2024



### ISO/IEC 14763-5

Edition 1.0 2025-04

## INTERNATIONAL STANDARD

Information technology – Implementation and operation of customer premises cabling –

Part 5: Sustainability tps://standards.iteh.ai

<u> ISO/IEC 14763-5:2025</u>

https://standards.iteh.ai/catalog/standards/iso/3df&e0a7-5f79-40e9-843d-da19612d6561/iso-jec-14763-5-2024

INTERNATIONAL ELECTROTECHNICAL COMMISSION

ICS 35.200; 13.020.20 ISBN 978-2-8327-0382-3

Warning! Make sure that you obtained this publication from an authorized distributor.

### **CONTENTS**

F	DREWC	PRD	5		
IN	TRODU	JCTION	7		
1	Scop	pe	10		
2					
3		ns, definitions and abbreviated terms			
•	3.1	Terms and definitions			
	3.2	Abbreviated terms			
4	-	ormance			
5		ing design			
J	5.1	Overview			
	5.1.1				
	5.1.2				
	5.2	Cabling design selection criteria			
	5.3	Considerations for renovation			
	5.4	Reduction of waste materials during the lifetime of the installation			
	5.5	Cabling infrastructure installation planning and practices			
	5.6	Impact of cabling infrastructure on energy requirements			
	5.7	Designing for quality to reduce rework			
	5.8	Balancing sustainability and other considerations			
	5.9	Recommended metrics to evaluate cabling sustainability			
	5.10	Creating sustainability mind-set among stakeholders	16		
	5.11	Economic aspects of sustainability			
	5.12	Transparency of documents for sustainable cabling system			
6	Sele	ction, packaging and transportation of components and related materials	17		
	6.1	General <u>ISO/IEC 14763-5:2025</u>	17		
	6.2	Selection of components and related material	18		
	6.3	Packaging of components and related material			
	6.4	Transportation of components and related material	18		
7	Insta	llation, operation and maintenance	19		
	7.1	General	19		
	7.2	Process of installation, maintenance and operation	19		
	7.2.1	General	19		
	7.3	Installation practices	20		
	7.3.1	Recommendations for installation practices	20		
	7.3.2	Pre-installation step requirements	20		
	7.3.3	Installation step	20		
	7.3.4	Post-installation step	21		
	7.4	Operation			
	7.4.1	•			
	7.4.2				
	7.5	Maintenance			
	7.5.1	•			
	7.5.2				
8	Management of waste materials				
	8.1	General			
	8.2	Cabling waste hierarchy	24		

8.3	Waste electrical and electronic equipment	25		
8.4	Waste assessment	25		
8.5	Documentation	25		
8.5.1	Waste management plan	25		
8.5.2				
8.5.3	Certificate of recycling	27		
8.6	Waste storage and handling			
8.6.1	Storage and handling			
8.6.2				
8.7	Waste actions			
8.7.1				
8.7.2				
8.7.3				
8.7.4	• •			
8.7.5	•			
	sets and training objectives			
9.1	Overview			
9.1.1				
9.1.2				
9.2	Work performance abilities, competencies and skill sets			
9.3	Generic work performance ability requirements			
9.3.1				
9.3.2	Understanding of and contribution to SDGs	31		
9.3.3				
9.3.4	Education and training	31		
9.4	Specialized work performance ability requirements			
9.4.1	General <u>ISO/IEG-147-63-5-2025</u>	31		
stand 9.4.2	Understanding of requirements for sustainable cabling systems	iea147 <b>32</b> -5-2025		
9.4.3	Approaches for reduction of environmental footprints	32		
9.4.4	Designing practices	32		
9.4.5	Installation management and evaluation practice	32		
9.4.6	Installation practice	33		
9.4.7	Operation, management and maintenance of sustainable cabling systems	3.4		
9.5	Best practices, education and training			
9.5 9.5.1	•			
9.5.1				
9.5.2				
Annex A (informative) Example of skill sets for work performance				
Annex B (informative) Example of syllabus				
Bibliograp	bhy	40		
Figure 1 -	- Schematic representation of cabling standards in system lifecycle	8		
Figure 2 -	- Schematic relationship between ISO/IEC 14763-5 and other relevant			
-	- Process flow from design to disposal			
Figure 4 -	- Cabling waste hierarchy	24		
Figure 5 – Work performance ability requirements designated for stakeholders				

Table 1 – Sustainability criteria	13
Table 2 – Aspects valued by stakeholders and satisfaction indexes	29

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

ISO/IEC 14763-5:2025

https://standards.iteh.ai/catalog/standards/iso/3df&e0a7-5f79-40e9-843d-da19612d6561/iso-jec-14763-5-2025