
**Information technology — Multimedia
framework (MPEG-21) —**

**Part 8:
Reference software**

**AMENDMENT 4: Media value chain
ontology extensions on time-segments
and multi-track audio**

*Technologies de l'information — Cadre multimédia (MPEG-21) —
Partie 8: Logiciel de référence*

*AMENDEMENT 4: Extensions de l'ontologie de la chaîne de valeur aux
segments temporels et à l'audio multipiste*



IECNORM.COM : Click to view the full PDF of ISO/IEC 21000-8:2008/AMD4:2018



COPYRIGHT PROTECTED DOCUMENT

© ISO/IEC 2018

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

A list of all parts in the ISO/IEC 21000 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

IECNORM.COM : Click to view the full PDF of ISO/IEC 21000-8:2008/AMD4:2018

Information technology — Multimedia framework (MPEG-21) —

Part 8: Reference software

AMENDMENT 4: Media value chain ontology extensions on time-segments and multi-track audio

Clause 5.22.2 of ISO/IEC 21000-8:2008/Amd 2:2011

Replace Table 2 with:

Table 2 — Commands to be executed on the ontology

Table A.1 — command	Semantic	Parameters	Return
u	Unloads the ontology		(String) "ok" on success
lu	Lists the users in the ontology		(String []) Users in the ontology
lip	Lists the IP Entities in the ontology		(String []) IP Entities in the ontology
cu USERNAME	Creates a user	USERNAME unique name of the user name to be created	(String) "ok" on success
du USERNAME	Deletes a user	USERNAME unique name of the user name to be deleted	(String) "ok" on success
cip ACTEDBY ACTION ACTEDOVER NEWIPENTITY	Executes an action	ACTEDBY unique name of the user which acts the action ACTION to be acted ACTEDOVER IPEntity over which the action is acted, if any, or "none" NEWIPENTITY name of the created IPEntity, if any, or "none".	(String) "ok" on success "error" on error "not permitted" if an authorisation is needed

Table 2 (continued)

Table A.1 — command	Semantic	Parameters	Return
cp ISSUER ACTION ACTEDOVER ACTEDBY	Creates a permission	ISSUER user issuing the permission ACTION permitted action (obtained from a create action command) ACTEDOVER resource over which the action is acted ACTEDBY user which is entitled to act the action	(String) name of the created permission
v ACTION ACTEDOVER ACTEDBY	Validates an action	ACTION action to be validated ACTEDOVER IP Entity over which the action is acted ACTEDBY user which executed the action	(String) ok on success
cs IPENTITY SEGIPENTITY START END TRACK	Creates a Segment of an IP Entity containing an existing IP Entity	IPENTITY name of the IPEntity containing the Segment SEGIPENTITY name of the IPEntity contained by the Segment START start point of the segment on the time line in seconds END end point of the segment on the time line in seconds TRACK track id	(String) ok on success
ct IPENTITY TRACKNO	Specifies a Track of a multi-track audio IP Entity	IPENTITY name of the multi-track audio IPEntity TRACKNO track number (integer)	(String) ok on success
sda IPENTITY TIMELINE	Sets the media domain of an IP Entity to "audio" and optionally associate a time line.	IPENTITY name of the IPEntity TIMELINE if TIMELINE="tl" a time line is associated with the IPEntity	(String) ok on success
lic IPENTITY	Lists the component IP Entities of a composite IP Entity	IPENTITY name of the composite IPEntity	(String []) List of component IP Entities
lcu COLLECTIVE	Lists the users of a collective	COLLECTIVE name of the collective	(String []) List of users
ac USER COLLECTIVE	Adds a user to a collective	USER name of the user COLLECTIVE name of the collective	(String) ok on success