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**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*



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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 |