# A11Y Métadata crosswalk (from EDRLab french workshops)

Work in progress.

This document proposes a correspondence between the elements to be displayed in the user interfaces and the main metadata standards. It is to be completed and will allow to identify the gaps in each standard and to complete the [W3C Schema.org Accessibility Properties Crosswalk](https://w3c.github.io/a11y-discov-vocab/crosswalk/)

## Reading mode

### Reflowable

* **Note** :
* **ONIX** : [Liste 175 Code E200 : Redimensionnable.](https://ns.editeur.org/onix/fr/175/E200)
* **Schema.org** : displayTransformability
* **MARC21** :
* **UNIMARC** :

### Fixed layout

* **Note** :
* **ONIX** : Liste 175 Code E201 : Format fixe.
* **Schema.org** :
* **MARC21** :
* **UNIMARC** :

### Fully rendered as text

* **Note** : DRM placed by vendor could affect this
* **ONIX** : Liste 81 Code 10 + liste 196 Code 10 + 16
* **Schema.org** : accessModeSufficient:textual
* **MARC21** : 341 0#$atextual
* **UNIMARC** :

### Fully rendered as audio

* **Note** :
* **ONIX** : Liste 81 Code 01 : Audiobook.
* **Schema.org** : accessModeSufficient:auditory
* **MARC21** : 341 0#$aauditory
* **UNIMARC** :

### Synchronized text and audio

* **Note** :
* **ONIX** : Liste 196 Code 20 : Audio préenregistré synchronisé.
* **Schema.org** : sychronizedAudioText
* **MARC21** :
* **UNIMARC** : 231 ##$i20$2onix196

## Functionalities (hide if none)

### Table of contents

* **Note** :
* **ONIX** : List: 196; Code: 12: Index navigation
* **Schema.org** : index
* **MARC21** :
* **UNIMARC** : 231 ##$i12$2onix196

### Print-equivalent page numbering

* **Note** :
* **ONIX** : [Liste 196 Code 19](https://ns.editeur.org/onix/fr/196/19)
* **Schema.org** : printPageNumbers
* **MARC21** :
* **UNIMARC** : 231 ##$i19$2onix196

## Response to specifics needs

(mention *no information* provided if no information is found; ONIX 196 properties not located elsewhere are placed here)

### Accessibility summary

* **Note** :
* **ONIX** : List 196 Code 00 : Résumé sur l'accessibilité
* **Schema.org** : schema:accessibilitySummary
* **MARC21** :
* **UNIMARC** : 231 ##$i00$2onix196

### Structured content

* **Note** :
* **ONIX** :
* **Schema.org** : structuralNavigation
* **MARC21** :
* **UNIMARC** :

### Logical reading order

* **Note** :
* **ONIX** : List: 196; Code: 13: Reading order
* **Schema.org** : readingOrder
* **MARC21** :
* **UNIMARC** : 231 ##$i13$2onix196

### Image descriptions

* **Note** :
* **ONIX** : Liste 196 Code 16
* **Schema.org** : longDescription
* **MARC21** :
* **UNIMARC** : 231 ##$i16$2onix196

### Accessibility Conformance: (EPUB Accessibility - WCAG A / AA / AAA)

* **Note** :
* **ONIX** : Liste 196 Code 03
* **Schema.org** : dcterms:conformsTo
* **MARC21** :
* **UNIMARC** : 231 ##$i03$2onix196

### Certified By

* **Note** :
* **ONIX** : Liste 196 Code 93
* **Schema.org** : a11y:certifiedBy
* **MARC21** : 341 $8$0#$aAuthority record control number or standard number
* **UNIMARC** : 231 ##$i93$2onix196

### Certifier Report

* **Note** :
* **ONIX** : 196 94
* **Schema.org** : certifierReport
* **MARC21** :
* **UNIMARC** : 231 ##$i94$2onix196

### Publisher’s web page for detailed accessibility information

* **Note** :
* **ONIX** : 196 96
* **Schema.org** :
* **MARC21** :
* **UNIMARC** : 231 ##$i96$2onix196

### Other specifics informations

* **Note** : display only if present
* **ONIX** : one or more items from [Liste 196](https://ns.editeur.org/onix/fr/196) parmis : ; 196:15 Descriptions alternatives complètes ; 196:16 Représentations graphiques de données également accessibles comme données non graphiques ; 196:17 Contenu mathématique accessible ; 196:18 Contenu chimique accessible ; 196:19 Numérotation de pages équivalente au document imprimé ; 196:20 Audio synchronisé préenregistré ; 196:21 Synthèse vocale optimisée ; 196:22 Balisage de la langue fourni ; 196:24 Lisibilité adaptée à la dyslexie ; 196:25 Usage de la couleur ; 196:26 Usage du contraste ; 196:27 Usage de l’audio ; 196:28 Audio-description alternative complète ; 196:29 Navigation suivant/précédent ; List: 81; Code 19: Figures, Diagrams, Charts
* **Schema.org** : annotations ; audioDescription ; braille ; captions ; ChemML ; describedMath largePrint ; latex rubyAnnotations ; signLanguage ; taggedPDF ; tactileGraphic ; tactileObject ; timingControl ; transcript ; ttsMarkup accessibilityAPI (vocabulary list follows) ; AndroidAccessibility ; ARIA ; ATK ; AT-SPI ; BlackberryAccessibility ; iAccessible2 ; iOSAccessibility ; JavaAccessibility ; MacOSXAccessibility ; MSAA ; UIAutomation chartOnVisual Diagrams, Charts chemOnVisual ; colorDependent ; diagramOnVisual mathOnVisual ; musicOnVisual ; tactile ; textOnVisual
* **MARC21** : [Zone 341](https://www.loc.gov/marc/bibliographic/bd341.html) : $a - Content access mode (NR) $b - Textual assistive features (R) $c - Visual assistive features (R) $d - Auditory assistive features (R) $e - Tactile assistive features (R) $2 - Source (NR) $3 - Materials specified (NR) $6 - Linkage (NR) $8 - Field link and sequence number (R)
* **UNIMARC** : la [Zone 231i autorise l'usage des codes de la liste ONIX 196 selon la règle suivante :](https://cdn.ifla.org/wp-content/uploads/U_B_231_update2021_ONLINE_FINAL-1.pdf) 231 ##$i*(placer le code onix)*$2onix196

## Hazards (hide if none)

### Flashing

* **Note** :
* **ONIX** : Liste 143 Code 13
* **Schema.org** : accessibilityHazard:flashing
* **MARC21** :
* **UNIMARC** :

### Video autoplay

* **Note** :
* **ONIX** :
* **Schema.org** :
* **MARC21** :
* **UNIMARC** :

### Sound

* **Note** :
* **ONIX** : Liste 175 Code A310 : Effets sonores.
* **Schema.org** : accessibilityHazard:sound
* **MARC21** :
* **UNIMARC** :

### Motion simulation

* **Note** :
* **ONIX** : Liste 143 Code 17
* **Schema.org** : accessibilityHazard:motionSimulation
* **MARC21** :
* **UNIMARC** :

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# Table view

## ConformsTo term used in EPUB (drawn from Dublin Core).

| **EPUB** | **ONIX** | MARC21 | UNIMARC |
| --- | --- | --- | --- |
| **certifiedBy** | Liste 196 Code 93 |  | 231 ##$i93$2onix196 |
| **certifierReport** | [**List: 196**](https://ns.editeur.org/onix/en/196)**; Code: 94: Compliance web page for detailed accessibility information or, if a publisher is self-certifying, Code: 96: Publisher's web page for detailed accessibility information** |  | 231 ##$i94$2onix196 ; 231 ##$i96$2onix196 |
| **certifierCredential** | **–** |  |  |
| **dcterms:conformsTo with the URL http://www.idpf.org/epub/a11y/accessibility-20170105.html#wcag-a** | [**List: 196**](https://ns.editeur.org/onix/en/196)**; Code: 02: EPUB Accessibility Specification 1.0 A** |  | 231 ##$i02$2onix196 |
| **dcterms:conformsTo with the URL http://www.idpf.org/epub/a11y/accessibility-20170105.html#wcag-aa** | [**List: 196**](https://ns.editeur.org/onix/en/196)**; Code: 03: EPUB Accessibility Specification 1.0 AA** |  | 231 ##$i03$2onix196 |

## Schema.org and ONIX

| [**Schema.org**](http://schema.org) | **ONIX** | MARC21 | UNIMARC |
| --- | --- | --- | --- |
| **accessibilityFeature (vocabulary list follows)** | [**List 196**](https://ns.editeur.org/onix/en/196) **(specific codes follow)** |  |  |
| **alternativeText** | [**List: 196**](https://ns.editeur.org/onix/en/196)**; Code: 14: Short alternative descriptions** |  | 231 ##$i14$2onix196 |
| **annotations** | **–** |  |  |
| **audioDescription** | **–** |  |  |
| **bookmarks** | **N/A (Reading system feature)** |  |  |
| **braille** | **–** |  |  |
| **captions** | **–** |  |  |
| **ChemML** | [**List: 196**](https://ns.editeur.org/onix/en/196)**; Code: 18: Accessible chem content** |  | 231 ##$i18$2onix196 |
| **describedMath** | **–** |  |  |
| **displayTransformability** | **–** |  |  |
| **highContrastAudio** | **–** |  |  |
| **highContrastDisplay** | **–** |  |  |
| **index** | [**List: 196**](https://ns.editeur.org/onix/en/196)**; Code: 12: Index navigation** |  | 231 ##$i12$2onix196 |
| **largePrint** | **–** |  |  |
| **latex** | **–** |  |  |
| **longDescription** | [**List: 196**](https://ns.editeur.org/onix/en/196)**; Code: 15: Full alternative descriptions; 16: Visualised data also available as non-graphical data** |  | 231 ##$i15$2onix196 ; 231 ##$i16$2onix196 |
| **MathML** | [**List: 196**](https://ns.editeur.org/onix/en/196)**; Code: 17: Accessible math content** |  | 231 ##$i17$2onix196 |
| **none** | **–** |  |  |
| **printPageNumbers** | [**List: 196**](https://ns.editeur.org/onix/en/196)**; Code: 19: Print-equivalent page numbering** |  | 231 ##$i19$2onix196 |
| **readingOrder** | [**List: 196**](https://ns.editeur.org/onix/en/196)**; Code: 13: Reading order** |  | 231 ##$i13$2onix196 |
| **rubyAnnotations** | **–** |  |  |
| **signLanguage** | **–** |  |  |
| **structuralNavigation** | **–** |  |  |
| **sychronizedAudioText** | [**List: 196**](https://ns.editeur.org/onix/en/196)**; Code: 20: Synchronised pre-recorded audio** |  | 231 ##$i20$2onix196 |
| **tableOfContents** | [**List: 196**](https://ns.editeur.org/onix/en/196)**; Code: 11: Table of contents navigation** |  | 231 ##$i11$2onix196 |
| **taggedPDF** | **–** |  |  |
| **tactileGraphic** | **–** |  |  |
| **tactileObject** | **–** |  |  |
| **timingControl** | **–** |  |  |
| **transcript** | **–** |  |  |
| **ttsMarkup** | [**List: 196**](https://ns.editeur.org/onix/en/196)**; Code: 21: Text-to-speech hinting provided; 22: Language tagging provided** |  | 231 ##$i21$2onix196 |
| **unlocked** | **–** |  |  |
| **–** | [**List: 196**](https://ns.editeur.org/onix/en/196)**; Code 22: Language tagging provided – helps with TTS in multi-lingual content** |  | 231 ##$i22$2onix196 |
| **–** | [**List: 196**](https://ns.editeur.org/onix/en/196)**; Code 24: Dyslexia readability** |  | 231 ##$i24$2onix196 |
| **–** | [**List: 196**](https://ns.editeur.org/onix/en/196)**; Code 09: Inaccessible** |  | 231 ##$i09$2onix196 |
| **–** | [**List: 196**](https://ns.editeur.org/onix/en/196)**; Code 10: No reading system accessibility options disabled** |  | 231 ##$i10$2onix196 |
| **accessibilityHazard (vocabulary list follows)** | **–** |  |  |
| **flashing** | **–** |  |  |
| **noFlashingHazard** | Liste 143 Code 13 |  |  |
| **motionSimulation** | Liste 143 Code 17 |  |  |
| **noMotionSimulationHazard** | **–** |  |  |
| **sound** | Liste 175 Code A310 |  |  |
| **noSoundHazard** | **–** |  |  |
| **unknown** | **–** |  |  |
| **accessibilityAPI (vocabulary list follows)** | **–** |  |  |
| **AndroidAccessibility** | **–** |  |  |
| **ARIA** | **–** |  |  |
| **ATK** | **–** |  |  |
| **AT-SPI** | **–** |  |  |
| **BlackberryAccessibility** | **–** |  |  |
| **iAccessible2** | **–** |  |  |
| **iOSAccessibility** | **–** |  |  |
| **JavaAccessibility** | **–** |  |  |
| **MacOSXAccessibility** | **–** |  |  |
| **MSAA** | **–** |  |  |
| **UIAutomation** | **–** |  |  |
| **accessibilityControl (vocabulary list follows)** | **–** |  |  |
| **fullKeyboardControl** | **–** |  |  |
| **fullMouseControl** | **–** |  |  |
| **fullSwitchControl** | **–** |  |  |
| **fullTouchControl** | **–** |  |  |
| **fullVideoControl** | **–** |  |  |
| **fullVoiceControl** | **–** |  |  |
| **accessMode (vocabulary list follows)** | **–** |  |  |
| **auditory** | **–** |  |  |
| **chartOnVisual** | [**List: 81**](https://ns.editeur.org/onix/en/81)**; Code 19: Figures, Diagrams, Charts** |  |  |
| **chemOnVisual** | **–** |  |  |
| **colorDependent** | **–** |  |  |
| **diagramOnVisual** | [**List: 81**](https://ns.editeur.org/onix/en/81)**; Code 19: Figures, Diagrams, Charts** |  |  |
| **mathOnVisual** | **–** |  |  |
| **musicOnVisual** | **–** |  |  |
| **tactile** | **–** |  |  |
| **textOnVisual** | **–** |  |  |
| **textual** | **List: 81; Code: 10 combined with List: 196; Code: 10 means all text is actual text. Note that List: 81; Code: 10 on its own (without List: 196; Code: 10) admits the possibility that the "text" is inaccessible because it is an image of text.** |  |  |
| **visual** | [**List: 81**](https://ns.editeur.org/onix/en/81)**; Code: 07: Still images / graphics or Code: 18: Photographs or Code: 19: Figures, diagrams, charts, graphs or Code: 12: Maps and/or other cartographic content** |  |  |
| **accessModeSufficient (vocabulary list follows)** | **ONIX crosswalks are for instances where accessModeSufficient includes this vocabulary entry alone; combinations may occur but are more difficult to crosswalk** |  |  |
| **auditory** | [**List: 81**](https://ns.editeur.org/onix/en/81)**; Code:01** | 341 0#$aauditory |  |
| **tactile** | **–** |  |  |
| **textual** | **List: 81; Code: 10 combined with List: 196; Code: 10 means all text is actual text. Note that List: 81; Code: 10 on its own (without List: 196; Code: 10) admits the possibility that the "text" is inaccessible because it is an image of text.** | 341 0#$atextual |  |
| **visual** | **–** |  |  |
| **accessibilitySummary** | [**List: 196**](https://ns.editeur.org/onix/en/196)**; Code: 00: Accessibility Summary** |  | 231 ##$i00$2onix196 |
| **Human-readable text** | [**If present, include information from List: 196**](https://ns.editeur.org/onix/en/196)**; Codes 95, 96, 98, and 99 (links for further information about accessibility)** |  |  |
|  |  |  |  |