# ONIX for Books codelists Issue 45

**This is the consolidated list of agreed additions and updates for Issue 45 of the ONIX for Books codelists, ratified by the ONIX International Steering Committee at its meeting during the London Book Fair in March 2019**. [1]

These ONIX codes (issue 45) are available via the EDItEUR website and via a multilingual interactive browser at https://ns.editeur.org/onix

## Codelists Issue 45 Additions and changes

Within the tables, additions are in red, clarifications in blue and unchanged text is in black.

### List 48 – Measure type

| Code | Label | Note |
|------|-------|------|
| 01 | Height | For a book, the overall height when standing on a shelf. For a folded map, the height when folded. For packaged products, the height of the retail packaging. In general, the height of a product in the form in which it is presented or packaged for retail sale |
| 02 | Width | For a book, the overall horizontal dimension of the cover when standing upright. For a folded map, the width when folded. For packaged products, the width of the retail packaging. In general, the width of a product in the form in which it is presented or packaged for retail sale |
| 03 | Thickness | For a book, the overall thickness of the spine. For a folded map, the thickness when folded. For packaged products, the depth of the packaging. In general, the thickness or depth of a product in the form in which it is presented or packaged for retail sale |
| 08 | Weight | The weight of the product, including any retail packaging |
| 17 | Total battery weight | Weight of batteries built-in, pre-installed or supplied with the product. Details of the batteries should be provided using ProductFormFeature. A per-battery unit weight may be calculated from the number of batteries if required. Use only with ONIX 3.0 |

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[1] Issues 37–45 cannot be used with ONIX 2.1. For reference, the following lists included in issues up to Issue 36 and used only with 2.1 are not included in Issue 45:
6, 7, 8, 10, 11, 26, 33, 35–40, 47, 52, 54, 56, 63, 67, 75, 78, 94, 95, 101, 138, 140.
The following codes in lists 1, 22, 34, 42, 49, 51, 79 and 102 not used with 3.0 are also omitted:
List 1 codes 12, 13, 14; List 22 codes 04, 05; List 34 codes 00, 01, 04, 08–15 ; List 42, codes 10–21; List 49 code ROW; List 51 codes 14, 15, 36; List 79 code 11; List 102 code 02

| 18 | Total weight of Lithium | Mass or equivalent mass of elemental Lithium within the batteries built-in, pre-installed or supplied with the product (*eg* a Lithium Iron phosphate battery with 160g of cathode material would have a total of around 7g of Lithium). Details of the batteries must be provided using ProductFormFeature. A per-battery unit mass may be calculated from the number of batteries if required. Use only with ONIX 3.0 |

This issue of the codelists includes a number of additions related to products containing batteries (see also Lists 79 and 242). Regulations often require disclosure of such detail for shipping.

## List 58 – Price type

| Code | Label | Note |
|------|-------|------|
| 01 | RRP excluding tax | Recommended Retail Price, excluding any sales tax or value-added tax. Price recommended by the publisher or supplier for retail sales to the consumer. Also termed the Suggested Retail Price (SRP) or Maximum Suggested Retail Price (MSRP) in some countries. The retailer may choose to use this recommended price, or may choose to sell to the consumer at a lower (or occasionally, a higher) price which is termed the Actual Selling Price (ASP) in sales reports. The net price charged to the retailer depends on the RRP minus a trade discount (which may be customer-specific). Relevant tax detail must be calculated by the data recipient |
| 02 | RRP including tax | Recommended Retail Price, including sales or value-added tax where applicable. Net price charged to the retailer depends on the trade discount. Sales or value-added tax detail is usually supplied in the <Tax> composite |
| 03 | FRP excluding tax | Fixed Retail Price, excluding any sales tax or value-added tax, used in countries were retail price maintenance applies by law to certain products. Price fixed by the publisher or supplier for retail sales to the consumer. The retailer must use this price, or may vary the price only within certain legally-prescribed limits. The net price charged to the retailer depends on the FRP minus a trade discount (which may be customer-specific). Relevant tax detail must be calculated by the data recipient |
| 04 | FRP including tax | Fixed Retail Price, including sales or value-added tax where applicable, used in countries were retail price maintenance applies by law to certain products. The net price charged to the retailer depends on the trade discount. Sales or value-added tax detail is usually supplied in the <Tax> composite |
| 05 | Supplier's Net price excluding tax | Net or wholesale price, excluding any sales or value-added tax. Unit price charged by supplier for business-to-business transactions, without any direct relationship to the price for retail sales to the consumer, but sometimes subject to a further customer-specific trade discount based on volume. Relevant tax detail must be calculated by the data recipient |

| 07 | Supplier's Net price including tax | Net or wholesale price, including any sales or value-added tax where applicable. Unit price charged by supplier for business-to-business transactions, without any direct relationship to the price for retail sales to the consumer, but sometimes subject to a further customer-specific trade discount based on volume. Sales or value-added tax detail is usually supplied in the <Tax> composite |
| --- | --- | --- |
| 08 | Supplier's alternative Net price excluding tax | Net or wholesale price charged by supplier to a specified class of reseller, excluding any sales tax or value-added tax. Relevant tax detail must be calculated by the data recipient. (This value is for use only in countries, *eg* Finland, where trade practice requires two different Net prices to be listed for different classes of resellers, and where national guidelines specify how the code should be used) |
| 09 | Supplier's alternative net price including tax | Net or wholesale price charged by supplier to a specified class of reseller, including any sales tax or value-added tax. Sales or value-added tax detail is usually supplied in the <Tax> composite. (This value is for use only in countries, *eg* Finland, where trade practice requires two different Net prices to be listed for different classes of resellers, and where national guidelines specify how the code should be used) |

## List 79 – Product form feature type

| Code | Label | Note |
| --- | --- | --- |
| 19 | Battery type | Use to describe battery requirements, hazards and safety warnings. <ProductFormFeatureValue> is a code from List 242. Use only with ONIX 3.0 |
| 20 | Battery capacity | Total capacity (of batteries in the product) in Watt hours. <ProductFormFeatureValue> is an integer or decimal number (*eg* '45', not '45Wh'). Use only with ONIX 3.0 |
| 21 | Dangerous Goods | Use to describe the regulation of the product for various purposes. <ProductFormFeatureValue> is a code from List 243. Use only with ONIX 3.0 |

## List 147 – Unit of usage

| Code | Label | Note |
| --- | --- | --- |
| 19 | Concurrent classes | A 'class' is a group of learners attending a specific course or lesson and generally taught as a group |
| 20 | Classes | Maximum number of classes of learners, independent of concurrency of use |

Generally, licenses refer to a single class, either a *specific* class of learners (code 20) or a single class *at a time* (code 19), and in both cases, <Quantity> would be 1.

## List 175 – Product form detail

| Code | Label | Note |
|------|-------|------|
| B519 | With dust jacket poster | Jacket in the form of a pamphlet or poster, specifically intended to be removed and read or used separately from the book |

## List 242 – Battery type and safety **(New list)**

| Code | Label | Note |
|------|-------|------|
| 00 | Batteries not required | The default if battery type and safety information is omitted |
| 01 | Batteries built in | Batteries built-in / preinstalled in product, non-user replaceable. May use <ProductFormFeatureDescription> to provide further details |
| 02 | Batteries pre-installed | Batteries pre-installed, user replaceable. Use <ProductFormFeatureDescription> to provide further details, *eg* '2 x 1.2V LR6/AA rechargeable', with these details formatted as [integer] x [number]V [type or descriptive text] and usually taken from the outer packaging |
| 03 | Batteries supplied | Batteries included with the product, but not pre-installed. Use <ProductFormFeatureDescription> to provide further details, *eg* '2 x 1.2V LR6/AA rechargeable', with these details formatted as [integer] x [number]V [type or descriptive text] and usually taken from the outer packaging |
| 04 | Batteries required | Batteries required for use, but not supplied with the product. May use <ProductFormFeatureDescription> to provide further details, eg '2 x 1.2V LR6/AA rechargeable', with these details formatted as [integer] x [number]V [type or descriptive text] and usually taken from the outer packaging |
| 05 | Batteries supplied spare | Spare batteries included with product, in addition to those specified using codes 02 or 03. May use <ProductFormFeatureDescription> to provide further details |
| 06 | Safety data sheet available | (Material) Safety Data Sheet available for the product (including its batteries). <ProductFormFeatureDescription> must be used to supply URL of documentation |
| 07 | Technical data sheet available | Battery manufacturer's technical data sheet available. <ProductFormFeatureDescription> must be used to supply URL of documentation |
| 08 | Rechargeable | Independent of whether charger is supplied as part of the product. Note this is largely dependent on the battery chemistry, but should be specified separately to avoid ambiguity |
| 09 | Non-rechargeable | |
| 10 | Battery warning text | <ProductFormFeatureDescription> contains battery safety-related warning text, generally taken from outer packaging (*eg* 'Warning – internal battery: product must not be pierced') |
| 20 | Battery chemistry | <ProductFormFeatureDescription> must provide details of the battery chemistry (*eg* 'Sodium-Sulfur'). Use ONLY where no suitable code exists for the specific chemistry used |

| 21 | Lithium-ion | For all specific battery chemistries, <ProductFormFeatureDescription> may optionally describe the battery construction – for example, the number of individual cells per battery and any other physical details, *eg* '4 x pouch cells' |
|---|---|---|
| 22 | Lithium-polymer | |
| 23 | Lithium-metal | |
| 24 | Nickel-metal hydride | |
| 25 | Nickel-Cadmium | |
| 26 | Zinc-Manganese dioxide | 'Alkaline battery' |
| 27 | Zinc-Carbon | Common 'dry cell' battery |
| 28 | Zinc-air | |
| 29 | Silver oxide | |
| 99 | Battery description | <ProductFormFeatureDescription> may contain a full description of the batteries supplied (chemistry, cell structure, battery size and weight, number, capacity etc). Use ONLY if the product (or a product part) contains multiple different TYPES of battery that cannot be described with existing codes (*eg* a mix of battery chemistries or batteries of different sizes, within a single product part) |

Transport of products with some battery chemistries is subject to stringent regulation, and the products may be classed as dangerous goods for transport, storage or waste disposal purposes.

Typically, a product that includes batteries should use multiple repeats of <ProductFormFeature> to describe whether the batteries are built-in or separate, rechargeable or not, and the specific battery chemistry used, for example:

```
<ProductFormFeature>
      <ProductFormFeatureType>19</ProductFormFeatureType>
      <ProductFormFeatureValue>02</ProductFormFeatureValue> <!-- pre-installed but
                                                      user replaceable -->
      <ProductFormFeatureDescription>4 x 1.5V LR6/AA</ProductFormFeatureDescription>
</ProductFormFeature>
<ProductFormFeature>
      <ProductFormFeatureType>20</ProductFormFeatureType>
      <ProductFormFeatureValue>14.5</ProductFormFeatureValue> <!-- 14.5 watt-hours -->
</ProductFormFeature>
<ProductFormFeature>
      <ProductFormFeatureType>19</ProductFormFeatureType>
      <ProductFormFeatureValue>27</ProductFormFeatureValue> <!-- zinc-carbon chemistry -->
</ProductFormFeature>
```

The example below is a more powerful battery:

```
<ProductFormFeature>
      <ProductFormFeatureType>19</ProductFormFeatureType>
      <ProductFormFeatureValue>01</ProductFormFeatureValue> <!-- built-in, non-user
</ProductFormFeature>                                       replaceable -->
<ProductFormFeature>
      <ProductFormFeatureType>20</ProductFormFeatureType>
      <ProductFormFeatureValue>83</ProductFormFeatureValue> <!-- 83 watt-hours -->
</ProductFormFeature>
<ProductFormFeature>
      <ProductFormFeatureType>19</ProductFormFeatureType>
      <ProductFormFeatureValue>08</ProductFormFeatureValue> <!-- rechargeable -->
</ProductFormFeature>
```

```
<ProductFormFeature>
        <ProductFormFeatureType>19</ProductFormFeatureType>
        <ProductFormFeatureValue>21</ProductFormFeatureValue> <!-- lithium-ion chemistry -->
        <ProductFormFeatureDescription>3 x 3.6V pouch cells</ProductFormFeatureDescription>
</ProductFormFeature>
<ProductFormFeature>
        <ProductFormFeatureType>19</ProductFormFeatureType>
        <ProductFormFeatureValue>10</ProductFormFeatureValue> <!-- multilingual warning -->
        <ProductFormFeatureDescription language="eng">Warning: internal battery – product
            must not be pierced</ProductFormFeatureDescription>
        <ProductFormFeatureDescription language="fre">Attention: batterie interne – le
            produit ne doit pas être percé</ProductFormFeatureDescription>
</ProductFormFeature>
<ProductFormFeature>
        <ProductFormFeatureType>19</ProductFormFeatureType>
        <ProductFormFeatureValue>06</ProductFormFeatureValue> <!-- SDS available -->
        <ProductFormFeatureDescription>https://www.generalmanufactures.com/myproduct/
            101245/sds.pdf</ProductFormFeatureDescription>
</ProductFormFeature>
<Measure>
        <MeasureType>18</MeasureType>
        <Measurement>6</Measurement> <!-- total 6g equivalent of elemental Lithium -->
        <MeasureUnitCode>gr</MeasureUnitCode>
</Measure>
```

Note the batteries must all be of the same type.

If the product contains multiple components (*eg* a book+toy), then the above details can be supplied *per component*, using <ProductPart>. In this case, the batteries in each component may be of the same or of different types, and (for example) the total battery weight must be calculated by summing the battery weights for each component. The batteries within a single component (*ie* a single <ProductPart> composite) must all be of the same type.

## List 243 – Dangerous goods regulations (New list)

| Code | Label | Note |
|------|-------|------|
| 00 | Inapplicable | The product is not classed as dangerous goods. The default if information is omitted |
| 01 | GHS | |
| 02 | Transportation | |
| 03 | Storage | |
| 04 | Waste | |

It is likely that for each purpose, further details will be required. This and other lists will be developed as required.

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