

Best Practice Block 8 in ONIX

Submit production orders with ONIX Block 8

Introduction

The use of ONIX files to transfer product information is now standard in the book industry. The current ONIX version contains all the information that is relevant for the product presentation of a title.

Additional information is required for the production of a print-on-demand title. This can be included both in ONIX version 3.0, revision 8 (ONIX 3.0.8) and in version 3.1 in block 8, which is used to display the book production (Production Detail). It means that ONIX files can be easily transferred to a print job at BoD.

Block 8 Production comprises the individual data group P.28. The block as a whole cannot be repeated. It is optional within the <Product> data set and is only used if production partners are to be informed of specifications with regard to production on demand. It will not be present in all ONIX messages. Recipients who do not require this data can ignore the entire block if it is provided. If the block is used, it should usually contain at least one instance of <ProductionManifest>.

Aim of the document

This best practice serves as a recommendation and is intended to encourage market participants to use block 8 to transmit the information that triggers print-on-demand printing. Block 8 must always be supplemented by mandatory information in Block 1 (Descriptive Detail).

The tried-and-tested BoD MasteringOrder format for transmitting print information is still available and can be used by customers.

Best Practice Block 8 in ONIX

Preliminary information

This document is a supplement to the existing ONIX documentation. That can be found here:

<https://www.editeur.org/93/Release-3.0-and-3.1-Downloads/#BestPractices>

https://www.editeur.org/files/ONIX%203/ONIX_for_Books_Release_3-0_pdf_docs+codes_Issue_64.zip

At present, not all production and equipment features can be fully mapped with the block. EDItEUR has already announced extensions to the range of functions. The current scope of use is particularly suitable for a relatively standardised product range. Paperbacks can be easily mapped in almost any format and with customised/defined paper types and cover laminations, meaning that title creation and production at BoD is already supported. Hardbacks can be transmitted as well. Other product forms will be added to the range of services step by step as the ONIX standard is expanded.

Block 1: Descriptive Detail

Some of the information that is relevant for production is taken from ONIX Block 1 Descriptive Detail. This includes the basic product type as well as various dimensions and page specifications. At BoD, paperback and hardbacks are currently fully supported.

ProductForm: Paperback

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Product composition	1	Descriptive Detail	ProductComposition	<x314>	2	00 = One-piece product

Note: Default or always 00 = One-piece product

Example:

<x314>00</x314>

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Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Product form	1	Descriptive Detail	ProductForm	<b012>	150	BC = Paperback BB = Hardback BE = Spiral binding BF = Booklet

Note: currently, paperbacks and hardbacks are fully supported. For other productforms, please contact us. Details for hardbacks: see page 6.

Example:

<b012>BC</b012>

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Duplex cover print	1	Descriptive Detail	ProductFormDetail	<b333>	175	B417 = Duplex cover print

Note: transmitting this tag will lead to a duplex cover print. Page 2 of the printing file PDF of the cover has to be designed due to the guideline. Only possible for paperback.

Example:

<b333>b417</b333>

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Product dimension (type)	1	Descriptive Detail	MeasureType	<x315>	48	01 = Height 02 = Width 03 = Thickness

Note: repeating with the two following lines height and width.

Example:

s. unit of measurement

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Dimension	1	Descriptive Detail	Measurement	<c094>		

Note: free specification of dimensions

Example:

s. unit of measurement

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Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Unit of Measurement	1	Descriptive Detail	MeasureUnit	<c095>	50	mm

Note: Please **always** specify in millimeter (mm).

Example:

```
<measure>
  x315>01</x315>
  <c094>210.200</c094>
  <c095>mm</c095>
</measure>
<measure>
  x315>02</x315>
  <c094>139.550</c094>
  <c095>mm</c095>
</measure>
```

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Scope (Interior)	1	Descriptive Detail	ExtentType	<b218>	23	00 = Main content page count 06 = Production page count 11 = Content page Count

Note: Page count

Example:

s. extent

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Scope / Number of pages	1	Descriptive Detail	ExtentValue	<b219>		

Note: free specification (numerical, integer), please always specify the total number of inside pages.

Example:

s. extent

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Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Scope / Unit	1	Descriptive Detail	ExtentUnit	<b220>	24	03 = Pages

Note: Default

Example of the last three lines:

```
<extent>
    <b218>00</b218>
    <b219>260</b219>
    <b220>03</b220>
</extent>
```

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ProductForm: Hardback

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Product composition	1	Descriptive Detail	ProductComposition	<x314>	2	00 = One-piece product

Note: Default or always 00 = One-piece product

Example:

<x314>00</x314>

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Product form	1	Descriptive Detail	ProductForm	<b012>	150	BC = Paperback BB = Hardback BE = Spiral binding BF = Booklet

Note: currently paperbacks and hardbacks are fully supported. For other productforms, please contact us. Details for paperbacks: see page 3.

Example:

<b012>BC</b012>

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Hardback processing as Hardback, here: Back	1	ProductionDetail	ProductFormDetail	<b333>	175	B320 = Rounded back B321 = Straight back

Example:

<b333>B320</b333>

Best Practice Block 8 in ONIX

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Product dimension (type)	1	Descriptive Detail	MeasureType	<x315>	48	01 = Height 02 = Width 03 = Thickness 04 = Page trim height 05 = Page trim width

Note: repeating. For the production of a hardback the values 04 and 05 have to be submitted.

Example:

s. unit of measurement

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Dimension	1	Descriptive Detail	Measurement	<c094>		

Note: free specification of dimensions

Example:

s. unit of measurement

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Unit of Measurement	1	Descriptive Detail	MeasureUnit	<c095>	50	mm

Note: Please **always** specify in millimeter (mm).

Example:

```
<measure>
  x315>01</x315>
  <c094>210.200</c094>
  <c095>mm</c095>
</measure>
<measure>
  x315>02</x315>
  <c094>139.550</c094>
  <c095>mm</c095>
</measure>
```

Best Practice Block 8 in ONIX

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Scope (Interior)	1	Descriptive Detail	ExtentType	<b218>	23	00 = Main content page count 06 = Production page count 11 = Content page Count

Note: Page count

Example:

s. extent

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Scope / Number of pages	1	Descriptive Detail	ExtentValue	<b219>		

Note: free specification (numerical, integer), please always specify the total number of inside pages.

Example:

s. extent

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Scope / Unit	1	Descriptive Detail	ExtentUnit	<b220>	24	03 = Pages

Note: Default

Example of the last three lines:

```
<extent>
  <b218>00</b218>
  <b219>260</b219>
  <b220>03</b220>
</extent>
```

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Color of Cover	1	Descriptive Detail	ProductFormFeatureType	<b334>	79	01 = Color of Cover

Note: color of the cover, when hardback with jacket.

Example:

s. next page

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Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Color of Cover	1	Descriptive Detail	ProductFormFeatureValue	<b335>	98	RED = Red BLU = Blue GRN = Green ORG = Orange GRY = Grey

Note: color of the cover (when hardback with jacket). Please choose between one of the colors of our EfaIn.

Example:

```
<ProductFormFeature>
  <b334>01</b334>
  <b335>RED</b335>
</ProductFormFeature>
```

Note on the bookmark ribbon:

The color of the bookmark ribbon (for hardbacks with a rounded spine and dust jacket) does not need to be specified, as it is automatically selected to match the EfaIn.

Hardbacks with a straight spine do not receive a bookmark ribbon.

Note on the headband:

The headband is black and white by default and therefore does not need to be specified.

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Block 8: Production Detail

The block consists of a repeatable <ProductionManifest> compound. Each repetition contains the specifications or file details for the product or for an individual product part. Products with multiple parts should contain multiple <ProductionManifest> bundles.

The <ProductionManifest> of a book comprises the so-called BodyManifest, which contains the production information for the book block (body or interior), and the CoverManifest, which contains the production information for the book cover.

Information on the general structure of Block 8 can be found here:

<https://www.editeur.org/files/ONIX%203/Changes%20for%20ONIX%203.0.8.pdf>

ProductForm: Paperback

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Color inside pages (within ProductionManifest, BodyManifest)	8	Production Detail	SpecificationDetail	<x560>	248	B003 = Monochrome B004 = Printed CMYK B005 = Printed higher-quality CMYK

Note: it is not possible to specify specific color pages.

The values will be interpreted as follows:

B003 = leads to a title printed black and white, printing quality Standard

B004 = leads to a title color printed, printing quality Standard

B005 = leads to a title color printed, printing quality Premium

Example:

<x560>B003</x560>

Best Practice Block 8 in ONIX

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Paper specification (grammage, color) Inside pages (within ProductionManifest, BodyManifest)	8	Production Detail	SpecificationFeatureType	<x561>	249	42 = Paper weight in GSM 43 = Paper color

Note: repeated within the block

Example:

s. following line

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Paper specification (grammage, color) Inside pages (within ProductionManifest, BodyManifest)	8	Production Detail	SpecificationFeatureValue	<x562>		

Note: BoD currently supports the following values:

- for type 42 (paper weight in GSM): 80 or 90
- for type 43 (paper color): CRE (= creme / chamois) or WHI (= white)

Example:

```
<BodyManifest>
  <x560>B003</x560>
  <SpecificationFeature>
    <x561>42</x561>
    <x562>80</x562>
  </SpecificationFeature>
  <SpecificationFeature>
    <x561>43</x561>
    <x562>WHI</x562>
  </SpecificationFeature>
</BodyManifest>
```

Best Practice Block 8 in ONIX

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Cover processing (within ProductionManifest, CoverManifest)	8	Production Detail	SpecificationFeatureType	<x561>	249	45 = Special finish

Example:
s. following line

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Cover processing (within ProductionManifest, CoverManifest)	8	Production Detail	SpecificationFeatureValue	<x562>	258	01 = Overall matt laminate 02 = Overall gloss laminate 03 = Overall textured laminate

Example:
 <SpecificationFeature>
 <x561>45</x561>
 <x562>01</x562>
 </SpecificationFeature>

Best Practice Block 8 in ONIX

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Information on the print documents (within ProductionManifest, BodyManifest and CoverManifest)	8	Production Detail	ResourceFileLink	<x572>		

Note:

either:

File name of the respective body or cover resource (.pdf file according to naming convention)

or

URL for retrieving the file

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File naming convention BoD

(if .pdf-files are supplied): one ISBN.zip per title
with the following content:
ISBN_ONIX.xml
ISBN_Cover.pdf
ISBN_Bookblock.pdf

Example:

```
<ProductionDetail>
  <ProductionManifest>
    <BodyManifest>
      <x560>B003</x560>
      <SpecificationFeature>
        <x561>42</x561>
        <x562>80</x562>
      </SpecificationFeature>
      <SpecificationFeature>
        <x561>43</x561>
        <x562>WHI</x562>
      </SpecificationFeature>
      <BodyResource>
        <x572>9780123456789_Bookblock.pdf</x572>
      </BodyResource>
    </BodyManifest>
    <CoverManifest>
      <SpecificationFeature>
        <x561>45</x561>
        <x562>01</x562>
      </SpecificationFeature>
      <CoverResource>
        <x572>9780123456789_Cover.pdf</x572>
      </CoverResource>
    </CoverManifest>
  </ProductionManifest>
</ProductionDetail>
```

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ProductForm: Hardback

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Color inside pages (within ProductionManifest, BodyManifest)	8	Production Detail	SpecificationDetail	<x560>	248	B003 = Monochrome B004 = Printed CMYK B005 = Printed higher-quality CMYK

Note: it is not possible to specify specific color pages.

The values will be interpreted as follows:

B003 = leads to a title printed black and white, printing quality Standard

B004 = leads to a title color printed, printing quality Standard

B005 = leads to a title color printed, printing quality Premium

Example:

<x560>B003</x560>

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Paper specification (grammage, color) Inside pages (within ProductionManifest, BodyManifest)	8	Production Detail	SpecificationFeatureType	<x561>	249	42 = Paper weight in GSM 43 = Paper color

Note: repeated within the block

Example:

s. following line

Best Practice Block 8 in ONIX

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Paper specification (grammage, color) Inside pages (within ProductionManifest, BodyManifest)	8	ProductionDetail	SpecificationFeatureValue	<x562>		

Note: BoD currently supports the following values:

- for type 42 (paper weight in GSM): 80 or 90
- for type 43 (paper color): CRE (= creme / chamois) or WHI (= white)

Example:

```
<BodyManifest>
  <x560>B003</x560>
  <SpecificationFeature>
    <x561>42</x561>
    <x562>80</x562>
  </SpecificationFeature>
  <SpecificationFeature>
    <x561>43</x561>
    <x562>WHI</x562>
  </SpecificationFeature>
</BodyManifest>
```

Preliminary information: When ordering a hardback with dust jacket, information for both the cover and the jacket must be provided.

When ordering a laminated hardcover without dust jacket, information for the cover must be provided.

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Hardback processing as Hardback, here: Cover	8	ProductionDetail	ResourceRole	<x566>	251	C01 = Cover

Note: Leads to a hardback without jacket.

Example:

```
<CoverResource>
  <x566>C01</x566>
  <x572>9780123456789_Cover.pdf</x572>
</CoverResource>
```


Best Practice Block 8 in ONIX

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Hardback processing as Hardback, here: Jacket	8	ProductionDetail	ResourceRole	<x566>	251	C02 = Jacket

Note: Leads to a hardback with jacket.

Example:

```
<CoverResource>
  <x566>C01</x566>
  <x572>9780123456789_Cover.pdf</x572>
</CoverResource>
<CoverResource>
  <x566>C02</x566>
  <x572>9780123456789_Jacket.pdf</x572>
</CoverResource>
```

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Cover processing (within ProductionManifest, CoverManifest)	8	ProductionDetail	SpecificationFeatureType	<x561>	249	45 = Special finish

Example:
s. following line

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Cover processing (within ProductionManifest, CoverManifest)	8	ProductionDetail	SpecificationFeatureValue	<x562>	258	01 = Overall matt laminate 02 = Overall gloss laminate 03 = Overall textured laminate

Example:

```
<SpecificationFeature>
  <x561>45</x561>
  <x562>01</x562>
</SpecificationFeature>
```

Best Practice Block 8 in ONIX

File naming convention BoD

(if .pdf-files are supplied): one ISBN.zip per title
with the following content:

ISBN_ONIX.xml
ISBN_CoverHC.pdf
ISBN_Jacket.pdf
ISBN_Bookblock.pdf

Example hardback with jacket:

```
<ProductionDetail>
  <ProductionManifest>
    <BodyManifest>
      <x560>B003</x560>
      <SpecificationFeature>
        <x561>42</x561>
        <x562>80</x562>
      </SpecificationFeature>
      <SpecificationFeature>
        <x561>43</x561>
        <x562>WHI</x562>
      </SpecificationFeature>
      <BodyResource>
        <x572>9780123456789_Bookblock.pdf</x572>
      </BodyResource>
    </BodyManifest>
    <CoverManifest>
      <SpecificationFeature>
        <x561>45</x561>
        <x562>01</x562>
      </SpecificationFeature>
      <CoverResource>
        <x566>C01</x566>
        <x572>9780123456789_Cover.pdf</x572>
      </CoverResource>
      <CoverResource>
        <x566>C02</x566>
        <x572>9780123456789_Jacket.pdf</x572>
      </CoverResource>
    </CoverManifest>
  </ProductionManifest>
</ProductionDetail>
```

Best Practice Block 8 in ONIX

Change of status with ProductAvailability

The status of a PoD title can be changed with the tag ProductAvailability. The most frequently used statuses are listed below.

Information	Block	Designation / Tag	Designation / Long Tag	Short Tag	Codelist	Values (currently supported)
Availability	8	Product Supply	ProductAvailability	<j396>	65	10 = not yet available 20 = available 34 = temporarily withdrawn from sale 40 = not available

Note: The statuses are interpreted as follows:

- 10 Title available at BoD, no information is send to the catalogues
- 20 Title information will be send to the german catalogues
- 34 Title will be deleted in the german catalogues. The printing files will not be deleted. You can send status 20 again.
- 40 Title and printing files will be deleted

Updates

For a metadata update (regardless of the Notification Type sent (01 to 04)), BoD expects a complete ONIX message with all blocks up to and including block 7.

If block 8 is not included, the ONIX file is processed as a metadata update.

Normally, NotificationType 04 is expected for block updates. In this case, only the blocks that are sent are read and the corresponding information is updated.

If block 8 is supplied for an already created title as part of an update, this triggers a new version. The complete printing files must then also be transmitted.

NotificationType 05 results in the deletion of the title.

Version

Version number Date	Additions / changes
1.1 06.06.2024	Correction of Values SpecificationFeatureValue due to doubling
1.2 10.04.2026	Addition: Duplex Cover print, Hardback, ProductAvailability, Updates