Application Notes (2023-10-16)
AN-2014-04: Supported OCD Features

This Application Note provides an overview of the supported OCD features in the last 5 releases of the main applications of EasternGraphics (section 1) and provides a more detailed look back at the history of the extensions resp. changes from the releases in spring 2012 (section 2).

This application note refers to the so-called native OCD implementation, which is realized in module EAI. In the series registry files this corresponds to the class *::ofml::xoi:: xOiNativeOCDProductDB** for key `productdb`.

In this document, the following abbreviations are used for the applications:
P-PL   pCon.planner
P-CF   pCon.configurator
P-BK   pCon.basket
EAIWS   EAI Web Service (base for online apps)

The individual online apps are not mentioned separately. For these apps usually applies the information on the previous releases of the offline applications resp. on the used version of the EAIWS.

Legal remarks

1 Tabular overview

The plus or minus sign in the line of the format version specifies whether the format version is generally supported in the corresponding release or not. In the lines below, the OCD features from the format version are listed that are not yet supported[1]. There, a plus sign means that the feature is supported as of the corresponding release. (A number in parentheses denotes a conditional support, for details see below the table.)

	P-CF 5.9 P-PL 8.6 P-BK 1.13.6 EAIWS 4.10 (EAI 1.30) Nov. 2021	P-CF 5.9.1 P-PL 8.7 P-BK 1.13.7 EAIWS 4.11 (EAI 1.30.4) April 2022	P-CF 5.9.2 P-PL 8.8 P-BK 1.13.8 EAIWS 4.12 (EAI 1.31) Nov. 2022	P-CF 5.9.3 P-PL 8.8.1 P-BK 1.13.9 EAIWS 4.13 (EAI 1.31.2) May 2023	P-CF 5.9.4 P-PL 8.9 P-BK 1.13.10 EAIWS 4.14 (EAI 1.32) Nov. 2023
OCD 2.1	**+**	**+**	**+**	**+**	**+**
identification tables	-	-	-	-	-
classification tables	-	-	+	+	+
packaging table	(1)	(1)	(1)	(1)	(1)
alternative text tables	-	-	-	-	-
fast supply counter	-	-	-	-	-
OCD 3.0	**-**	**-**	**-**	**-**	**-**
scale prices	-	-	-	-	-
multivalued properties	(4)	(4)	(4)	(4)	(4)
composite articles	-	-	-	-	-
OCD 4.0	**+**	**+**	**+**	**+**	**+**
controlling the discountability	(3)	(3)	(3)	(3)	(3)
hints for properties	-	-	-	-	-
several valid interval values for a property at the same time	(2)	(2)	(2)	(2)	(2)
text formatting codes	-	-	-	-	-
OCD 4.1	**+**	**+**	**+**	**+**	**+**
OCD 4.2	**+**	**+**	**+**	**+**	**+**
OCD 4.3	**+**	**+**	**+**	**+**	**+**
OCD 5.0	**-**	**-**	**-**	**-**	**-**

(1) The packaging table is supported/used only in P-BK as part of the calculation of EcoTax-France (determination of weight).

(2) Due to the limitations of the property editors, several simultaneously valid interval values for a property are combined into an overall interval.

(3) Non-discountable articles (field *Discountable* in the article table) are supported in P-BK if a purchase price is provided.

(4) Only properties of scope R and only in format version 4.3.

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[1] The features are filed under that OCD format version, in which they were introduced. However, the statement about the support of a feature is true also for higher format versions, in which the feature (still) is contained/specified.

2   History of added or changed features

P- CF 5.9.4, P-PL 8.9, P-BK 1.13.10, EAIWS 4.14 (EAI 1.32), November 2023**:**
- Option *@UnfixPreselectedChoiceList* in control data table `epdfproductdb.csv` now can be used to specify whether the set of values shown to the user should be "frozen" during automatic value pre-assignment of restrictable properties (for more details see Application Note AN-2006-01).

P- CF 5.9.3, P-PL 8.8.1, P-BK 1.13.9, EAIWS 4.13 (EAI 1.31.2), May 2023**:**
- Improved handling of violated constraints during the pre-selection of restrictable properties.

P- CF 5.9.2, P-PL 8.8, P-BK 1.13.8, EAIWS 4.12 (EAI 1.31), November 2022**:**
- Classification data is now supported.
  The data is not used in the applications themselves, but it is stored in the basket (OBX) and can thus be evaluated in third-party systems.

P- CF 5.9.1, P-PL 8.7, P-BK 1.13.7, EAIWS 4.11 (EAI 1.30.4), April 2022**:**
- No enhancements/changes with respect to OCD processing.

P- CF 5.9, P-PL 8.6, P-BK 1.13.6, EAIWS 4.10 (EAI 1.30), November 2021**:**
- Using option *@UnlockBackwardRestriction* in control data table `epdfproductdb.csv`, the behavior when evaluating relationships with backward dependencies now can be modified (for more details and information see Application Note AN-2006-01).

P-PL/CF 5.8.14, P-PL 8.5, P-BK 1.13.5, EAIWS 4.9.1 (EAI 1.29), May 2021**:**
- In format version 4.3 *multivalued properties* of scope R now are supported.

P-PL/CF 5.8.13, P-PL 8.4, P-BK 1.13.4, EAIWS 4.8 (EAI 1.28), November 2020**:**
- The new format version 4.3 now is supported.

P-PL/CF 5.8.12, P-PL 8.3, P-BK 1.13.3 (EAI 1.27), April 2020**:**
- No enhancements/changes with respect to OCD processing.

P-PL/CF 5.8.11u1, P-PL 8.2u1, P-BK 1.13 (EAI 1.26.4), November 2019**:**
- Changed behavior when handling the SAP language construct *set_default*, which is not officially supported by the OCD specification. (For details see Application Note AN-2019-01).
- Unofficially (i.e. in addition to the OCD specification), now are supported post reactions of articles and the Boolean constant TRUE.

P-PL/CF 5.8.10, P-PL 8, P-BK 1.12.1 (EAI 1.24), November 2018**:**
- The new format version 4.2 now is supported.

P-PL/CF 5.8.9p1, P-PL 7.7p2 (EAI 1.23.3), June 2018 (**P-BK 1.12.1**, Nov. 2018)**:**

- In relations of type *Action*, *Reaction* and *Post-Reaction* now proprietary, i.e. not (yet) standardized function *SET_CHECK_RELEVANCE(<property>, <logical expression>)* can be used: If the logical expression yields *true*, the specified property is marked as *check-relevant*, i.e., the property has to be checked by the recipient of an order confirmation[2], even if the property is not visible to the user of an OFML application via function *SET_VISIBILITY()*.
  The mark can be retrieved via the ECOM interface from the P-BK using function *GetAllArticleFeatures()* (and thus be written to the corresponding element of the order confirmation document).

P-PL/CF 5.8.8, P-PL 7.6, P-BK 1.12 (EAI 1.22), October 2017**:**

- No enhancements/changes with respect to OCD processing.

P-PL/CF 5.8.7, P-PL 7.5, P-BK 1.11.2 (EAI 1.21.4), April 2017**:**

- No enhancements/changes with respect to OCD processing.

P-PL/CF 5.8.6, P-PL 7.4, P-BK 1.11.1 (EAI 1.21), December 2016**:**

- Function *SET_VISIBILITY(),* specified in OCD 5.0, already is implemented and can be used in currently supported older format versions, too.
- With the option `@AllowConsecValsInTrimmedCode` in control data table `epdfproductdb.csv`, a special method can be activated for processing end article numbers with a user defined coding scheme including successive properties (without separator) where the trimming flag is set. (With the standard procedure, an article configuration cannot be completely restored by means of such end article numbers.)

P-PL/CF 5.8.5, P-PL 7.3, P-BK 1.11 (EAI 1.20), June/July 2016**:**

- Non-discountable articles (field *Discountable* in table `Article`) now are supported in P-BK if a purchase price is provided.

P-PL/CF 5.8.4, P-PL 7.2, P-BK 1.10.4 (EAI 1.19), Oct./Nov. 2015**:**

- No enhancements/changes with respect to OCD processing.

P-PL/CF 5.8.3, P-PL 7.1, P-BK 1.10.3 (EAI 1.18), April/May 2015**:**

- No enhancements/changes with respect to OCD processing.

P-PL/CF 5.8.2, P-PL 7.0, P-BK 1.10.2 (EAI 1.17), November 2014**:**

- In SAP language sets now operator || for string concatenation is supported.

P-PL/CF 5.8.1, P-PL 6.8, P-BK 1.10.1 (EAI 1.16), March 2014**:**

- The new format version 4.1 now is supported.

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[2] See document type ORDRSP in OFML standard for Business Data Exchange (OEX).

P-PL/CF 5.8, P-PL 6.7, P-BK 1.10 (EAI 1.15), October 2013**:**

- The packaging table now is supported; however, on the side of the application only in pCon.basket during calculation of EcoTax-France (determining the weight).
- Several simultaneously valid interval values for a property now are supported, but combined into an overall interval due to limitations in the property editors.
- The behavior with respect to properties, which are declared as optional and for which there are values specified in the article base table, now can be controlled using the option *@OptPropsWithBaseValues* in the control data table `epdfproductdb.csv` (see Application Note on control data tables)[3].

P-PL/CF 5.7.4, P-PL 6.6, P-BK 1.9 (EAI 1.14), April 2013**:**

- The behavior with respect to SAP language construct *set_default*, which officially is not supported in OCD, now can be controlled using the option *@SetDefaultMode* in the control data table `epdfproductdb.csv` (see Application Note on control data tables).

P-PL/CF 5.7.2, P-PL 6.4.1, P-BK 1.8.2 (EAI 1.12), April 2012**:**

- The special variable *$BAN* referring to the base article number now is supported as actual parameter in table calls.

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[3] The OCD specification contains no clear instructions how to handle this situation.