STN	Elektronické verejné obstarávanie Objednávanie Časť 1: Choreografie	STN EN 17016-1
		36 9639

Electronic Public Procurement - Ordering - Part 1: Choreographies

Táto norma obsahuje anglickú verziu európskej normy. This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 05/24

Obsahuje: EN 17016-1:2024



EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM EN 17016-1

April 2024

ICS 35.240.63

English Version

Electronic Public Procurement - Ordering - Part 1: Choreographies

Passation électronique des marchés publics - Gestion des commandes - Partie 1 : Chorégraphies

Elektronisches öffentliches Beschaffungswesen -Bestellung - Teil 1: Choreographien

This European Standard was approved by CEN on 19 February 2024.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Page		
Europ	oean foreword	5
Intro	ductionduction	6
1	Scope	7
2	Normative references	
2		
3	Terms and definitions	
4	Symbols and abbreviated terms	8
5	Business environment and high level business requirements	9
5.1	Choreographies (business) Goals	
5.2	Business environment	9
5.2.1	General	9
5.2.2	Business context	9
5.2.3	Positioning in EIRA	10
5.3	Organization and business partners involved	
5.4	High level business process requirements	11
6	Processes	13
6.1	General	
6.2	Business process variants	
6.2.1	General	
6.2.2	High level business process variants requirements	
6.2.3	Claiming compliance	
6.3	Business process variant A – Simple ordering	
6.3.1	Business process variant A requirements	
6.3.2	Business process variant A state machine diagram [informative]	
6.3.3	Business process variant A definition	
6.3.4	Business Process variant A Scenarios	
6.3.5	Business process variant A business rules	
6.3.6	Business process variant A key examples [informative]	20
6.4	Business process variant B - Buyer managed ordering	
6.4.1	Business process variant B requirements	
6.4.2	Business process variant B state machine diagram [informative]	
6.4.3	Business process variant B definition	21
6.4.4	Business process variant B scenarios	23
6.4.5	Business process variant B business rules	23
6.4.6	Business process variant B key examples [informative]	24
6.5	Business process variant C - Ordering with simple response	
6.5.1	Business process variant C requirements	
6.5.2	Business process variant C state machine diagram [informative]	24
6.5.3	Business process variant C definition	
6.5.4	Business process variant C scenarios	27
6.5.5	Business process variant C business rules	27
6.5.6	Business process variant C key examples [informative]	27
6.6	Business process variant D - Buyer managed ordering with Seller's response	
6.6.1	Business process variant D requirements	
6.6.2	Business process variant D state machine diagram [informative]	28
6.6.3	Business process variant D definition	29

6.6.4	Business process variant D scenarios	
6.6.5	Business process variant D business rules	
6.6.6	Business process variant D key examples [informative]	33
6.7	Business process variant E - Ordering	
6.7.1	Business process variant E requirements	33
6.7.2	Business process variant E state machine diagram [informative]	34
6.7.3	Business process variant E definition	35
6.7.4	Business process variant E scenarios	37
6.7.5	Business process variant E business rules	38
6.7.6	Business process variant E key examples [informative]	38
6.8	Business process variant F - Advanced ordering	
6.8.1	Business process variant F requirements	
6.8.2	Business process variant F state machine diagram [informative]	
6.8.3	Business process variant F definition	
6.8.4	Business process variant F scenarios	
6.8.5	Business process variant F business rules	
6.8.6	Business process variant F key examples [informative]	
6.9	Business process variant G - Simplified advanced ordering	
6.9.1	Business process variant G requirements	
6.9.2	Business process variant G state machine diagram [informative]	
6.9.3	Business process variant G definition	50
6.9.4	Business process variant F scenarios	
6.9.5	Business process variant G business rules	
6.9.6	Business process variant G key examples [informative]	
6.10	Business process variant H – Order Agreement	
	Business process variant H requirements	
	Business process variant H state machine diagram [informative]	
	Business process variant H definition	
	Business process variant H scenarios	
	Business process variant H business rules	
	Business process variant II business rules [informative]	
0.10.0		
7	BII Transactions involved	
7.1	Summary	
7.2	Collaborations	
7.3	Buyer sends Order (BC-17016-1:2024-1)	
7.4	Buyer changes Order (BC-17016-1:2024-2)	
7.5	Buyer cancels Order (BC-17016-1:2024-3)	
7.6	Seller acknowledges Order (BC-17016-1:2024-4)	66
7.7	Seller confirms Order (BC-17016-1:2024-5)	67
7.8	Seller rejects Order (BC-17016-1:2024-6)	
7.9	Seller confirms Order Change (BC-17016-1:2024-7)	69
7.10	Seller rejects Order Change (BC-17016-1:2024-8)	
7.11	Seller confirms Order Cancellation (BC-17016-1:2024-9)	71
7.12	Seller rejects Order Cancellation (BC-17016-1:2024-10)	72
7.13	Seller accepts Order partially or with changes (BC-17016-1:2024-11)	
7.14	Seller changes Order (BC-17016-1:2024-12)	74
7.15	Buyer confirms Order Response (BC-17016-1:2024-13)	
7.16	Buyer rejects Order Response (BC-17016-1:2024-14)	76
7.17	Buyer confirms Order Change (BC-17016-1:2024-15)	
7.18	Buyer rejects Order Change (BC-17016-1:2024-16)	
7.19	Seller sends Order Agreement (BC-17016-1:2024-17)	
	,	

Annex A (informative)	Overview of the clauses and subclauses that fall under derivative use
	80
Bibliography	81

European foreword

This document (EN 17016-1:2024) has been prepared by the Technical Committee CEN/TC 440 "Electronic public procurement", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2024, and conflicting national standards shall be withdrawn at the latest by October 2024.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document falls under a CEN-CENELEC pilot on derivative use (as approved by the CEN/CA (Administrative Board) through decision 37/2019). For more information about the implementation of derivative use in CEN/TC 440 see here: https://www.cencenelec.eu/areas-of-work/cen-cenelec-topics/public-procurement/

This document is part of a series of multi-part documents prepared, or under preparation, by CEN/TC 440:

- 17011-series: eProcurement Architecture, providing a set of specifications outlining different aspects of the eProcurement architecture for Business Interoperability Specifications.
- 17015-series: eCatalogue Business Interoperability Specifications, providing a set of specifications outlining business choreography, transaction, syntax binding specifications and guidelines required to support the eCatalogue processes.
- 17016-series: eOrdering Business Interoperability Specifications, providing a set of specifications outlining business choreography, transaction, syntax binding specifications and guidelines required to support the eOrdering processes.
- 17017-series: eFulfilment Business Interoperability Specifications, providing a set of specifications outlining business choreography, transaction, syntax binding specifications and guidelines required to support the eFulfilment processes.

The terms "shall", "shall not", "should", "should not", "may", "can" and "cannot" are interpreted according to the CEN-CENELEC Internal Regulations Part 3:2022, Clause 7¹.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

cps., , boss.com.cu, reference material, re

¹ https://boss.cen.eu/reference-material/refdocs/pages/

Introduction

Derivative use pilot

This document falls under a CEN-CENELEC pilot on derivative use (as approved by the CEN/CA (Administrative Board) through decision 38/2019).

CEN has the copyright to all CEN publications, including their entire content and associated metadata, as specified in CEN-CENELEC Guide 10 "Policy on dissemination, sales and copyright of CEN-CENELEC Publications". However, through the derivative use pilot, CEN gives permission to the copying, replication and translation of content from CEN/TC 440 deliverables in specific circumstances.

Under the derivative use pilot, specific sections of CEN/TC 440 publications may be copied, replicated and translated in cases, where this is a necessary condition for the meaningful implementation of the publication. The sections which fall under derivative use will typically be elements, such as semantic definitions and rules related to the use of information elements, and the name, definition and description of processes and transactions, which are needed in software solutions, whether intended for sale in the private market or for use in the public sector, and documents guiding the implementation and use in specific countries and/or business sectors.

Under derivative use, any use of content, which has been copied, replicated, or translated from a CEN/TC 440 publication, should comply with the intended use of the publication. Derivative use cannot be applied in use cases other than those the publication is intended to support. The intended use of this publication is set out below.

Intended use of this publication

This document has been developed for any organization looking for guidance on the implementation and use of electronic procurement deliverables as well as for organizations developing or implementing software applications related to electronic procurement, such as software providers, business entities and national authorities. These software applications should be in conformance with this publication.

Parts of the document to which derivative use apply

Each subclause, which falls under derivative use, will be clearly marked with a footnote. The degree to which the specific content can be modified is specified in CEN/TS 17011-3:—², *Electronic Public Procurement* — *Architecture* — *Part 3: Customization Guideline*.

Annex A provides an overview of the line number references to all subclauses of the publication which fall under derivative use.

-

² Under preparation.

1 Scope

This choreographies document specify ordering between Buyer and Seller where the Buyer wants to reach an agreement with the Seller about an order. It specifies a series of activities that govern communication between the parties and refers to the specifications where information and rules that apply are specified.

The various possible behaviours of the Seller and Buyer subsequent to the first order communication are conveyed by variants of this choreography that are specified in 5.2.

Previous activities (e.g. cataloguing) and subsequent activities (e.g. invoicing) are outside the scope of this document. If performed electronically, their implementation is covered by other choreographies.

The identifier of this choreographies document is EN 17016-1:2024.

How to claim compliance to this choreography is specified in 5.2.3.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 17016-2:—3, Electronic Public Procurement — Ordering — Part 2: Transactions

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

³ Under preparation. Stage at the time of publication: prEN 17016-2:2023.