



European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

CEN/ISSS WS/BII10

Tender Notification

PROFILE DESCRIPTION

Business Domain: Pre award procurement

Business Process: Tendering

Document Identification: CEN/ISSS WS/Profile BII10

Version: 1.0

Release: 2009-11-05

Date of approval: 2009-11-05

Document Summary

This profile describes a process where a Customer in the role of a Contracting Authority sends notifications that relate to a Call for Tender, to a Publication body that publishes it.

The profile is intended for communication to the Official Journal of the European Union (OJEU), in case of all for tenders that are above the threshold requiring publication in the EU area, as well as for communication to national or regional Publication bodies.

The profile supports the notification process specifically and can be used in relation with any tendering procedure that requires publication, including open procedure, restricted procedure, negotiated procedure and competitive dialogue.

The profile enables the Contracting Authority to submit in structured electronic format, Contract Notices and Contract Award Notices to the relevant Publication body. For each document the relevant Publication body can send a response message that notifies the Contracting Authority whether the content of the message meets criteria for publication, or not.

Contributors

- CODICE - Dirección General del Patrimonio del Estado (contrataciondelestado.es)
- CEN/ISSS WS/BII Working group 1

TABLE OF CONTENTS

1	Preamble.....	4
1.1	Profile description.....	4
2	References.....	5
3	Business benefits and requirements.....	6
3.1	Business benefits	6
3.2	Business requirements.....	6
4	Profile detailed description	7
4.1	Context	7
4.2	Business processes in scope	8
4.3	Partners and authorized roles	8
4.4	Choreography of business collaborations	9
4.4.1	Profile business rules	11
4.4.2	Process rules.....	11
4.4.3	Information constraints	11
4.5	Business Collaboration(s) detailed description	11
4.5.1	ContractNotification collaboration	11
4.5.2	ContractAwardNotification collaboration	13
4.6	Transaction(s) detailed description	14
4.6.1	Transaction data models	15
4.6.2	NotifyContractNotice transaction.....	15
4.6.3	ConfirmContractNoticePublication transaction	16
4.6.4	RejectContractNoticePublication transaction.....	16
4.6.5	ProvideCallForTender transaction	17
4.6.6	NotifyContractAwardNotice transaction	17
4.6.7	ConfirmContractAwardNoticePublication transaction	18
4.6.8	RejectContractAwardNoticePublication transaction.....	18

1 Preamble

The CEN/ISSS Workshop on business interoperability interfaces for public procurement in Europe (CEN/ISSS WS/BII) was established in order to

- Identify and document the required business interoperability interfaces related to pan-European electronic transactions in public procurement expressed as a set of technical specifications, developed by taking due account of current and emerging UN/CEFACT standards in order to ensure global interoperability;
- Co-ordinate and provide support to pilot projects implementing the technical specifications in order to remove technical barriers preventing interoperability.

To facilitate implementation of electronic commerce in a standardized way, thereby enabling the development of standardized software solutions as well as efficient connections between business partners without case by case specification of the data interchange, the workshop agreed to document the required business interoperability interfaces as profile descriptions. The end goal is to reduce the cost of implementing electronic commerce to a level that is economical for small and medium size companies and institutions.

1.1 Profile description

A profile description is a technical specification describing

- the choreography of the business process(es) covered, i.e. a detailed description of the way the business partners collaborate to play their respective roles and share responsibilities to achieve mutually agreed goals with the support of their respective information systems,
- the electronic business transactions exchanged as part of the business process and the sequence in which these transactions are exchanged,
- the business rules governing the execution of that business process(es), its business collaborations and business transactions, as well as any constraints on information elements used in the transaction data models
- the information content of the electronic business transactions exchanged by pointing to a given data model for each of the business transactions.

As well as determining what business transactions are used, the profile restricts their content in terms of elements and the cardinality of elements. The key standardization aspect of the profile description is thus on the organisational and semantics interoperability levels rather than on syntax within the technical interoperability level. Consequently the business transactions within a profile can be structured based on different message standards/syntax as long it contains all the necessary data elements.

Although the profile descriptions and transaction data models provided by CEN BII will be neutral of syntax, the workshop has agreed to provide specifications of how its data models may be mapped to defined syntaxes. This is done in order provide the market with implementable specifications.

It should be noted that the profile description does not attempt to address issues related to topics such as:

- the actual transmission of the electronic messages,
- security and confidentiality of the message exchange,
- integrity, authentication and auditing of information content or
- the process of implementing a solution based on the profile description.

These issues have however been addressed by other deliverables of the CEN/ISSS WS/BII (see section 2 for reference to relevant documents).

The main focus of the profile description and the associated transaction data models is to address generally expressed business requirements applicable throughout the European market. Although the profile description and associated transaction data model are designed to meet generally expressed requirements, it is still the responsibility of the users to ensure that the actual business transactions exchanges meets all the legal, fiscal and commercial requirements relevant to their business.

2 References

External documents

- UN/CEFACT Modelling Methodology (available at <http://www.untmg.org/specifications/>)
- UMM Meta Model – Foundation Module Version 1.0, Technical Specification, 2006-10-06
- UMM Meta Model – Base Module Version 1.0, Technical Specification, 2006-10-06
- UML (Unified Modelling Language), version 2.0
- UN/CEFACT ebXML Core Components Technical Specifications version 2.01 – ISO 15000-5
- UN/CEFACT Business Requirements Specification version 1.5 (CEFACT/ICG/005)

Related publications from CEN/ISSS WS/BII:

- CWA xxxx-1: Profile Overview
- CWA xxxx-1, annex A: Glossary of terms
- CWA xxxx-1, annex B: Profile Architecture
- CWA xxxx-1, annex C: Controlled Vocabulary Approach
- CWA xxxx-2: UBL-UN/CEFACT convergence (WG2)
- CWA xxxx-3: Toolbox Requirements (WG3)
- CWA xxxx-4: Pilot Support (WG4)

3 Business benefits and requirements

3.1 Business benefits

The main business benefits to be gained by implementation of this profile are:

Aspect	Beneficiary	Benefit
Process automation	Contracting Authority	Systematic notification process.
Automated notice publication	Publication body	Electronic deliver of notices enables the Publication body to automatically process the content and transfer the information into publication.
Reliability	Contracting Authority	The Contracting Authority can track whether the relevant notice has been formally accepted for publication.

3.2 Business requirements

1. The Contracting Authority sends an electronic Contract Notice to the relevant Publication body.
2. If required the Contracting Authority includes a Call for Tender document with the Contract Notice.
3. After having received the Tenders and made a selection the Contracting Authority sends an electronic contract award notice to the relevant Publication Body.
4. For each document the relevant Publication body processes the messages and decides whether it meets requirements for publication and notifies the Contracting Authority by using an electronic receipt message.
5. In the case when the Publication body notifies the Contracting Authority that the message does not meet criteria for publication the Contracting Authority resends the document with corrected information.

4 Profile detailed description

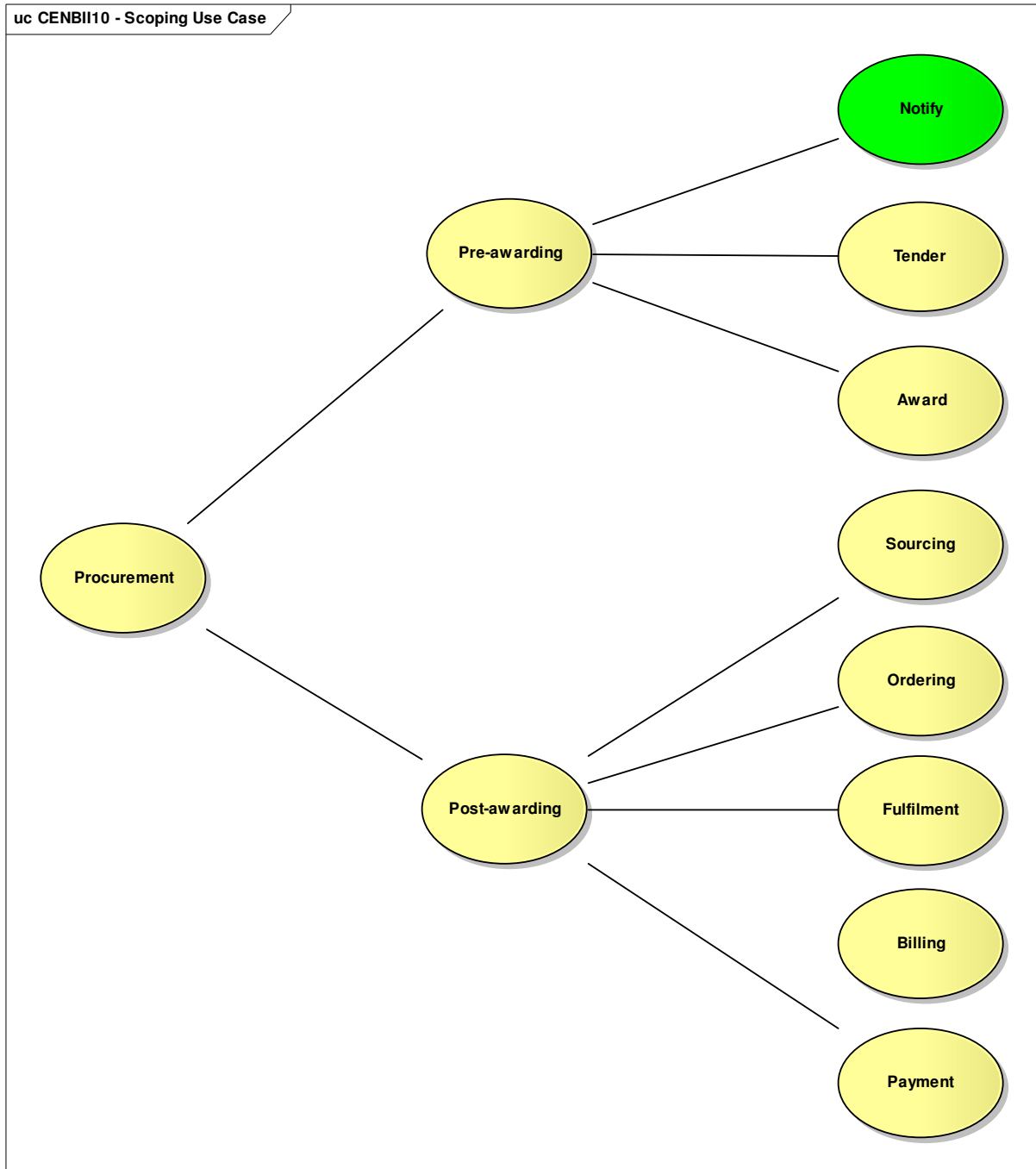
4.1 Context

The specification contained in this document is relevant within the following context:

Categories	Description and Values
Business Process	Tendering
Product Classification	All types of goods, services and works.
Industry Classification	Public authorities and entities, hereby and after named PA
Geopolitical	EU, EEA, EFTA countries
Official Constraint	EU directives 2004/18/EC and 2004/17/EC, national laws and regulations.
Business Process Role	Tender notification to a relevant Publication body.
Supporting Role	Tender publication
System Capabilities	None specific.

4.2 Business processes in scope

Procurement is a complex domain with several key processes, some of which are illustrated in the following figure.



The Tender Notification profile covers the business processes highlighted in the above figure.

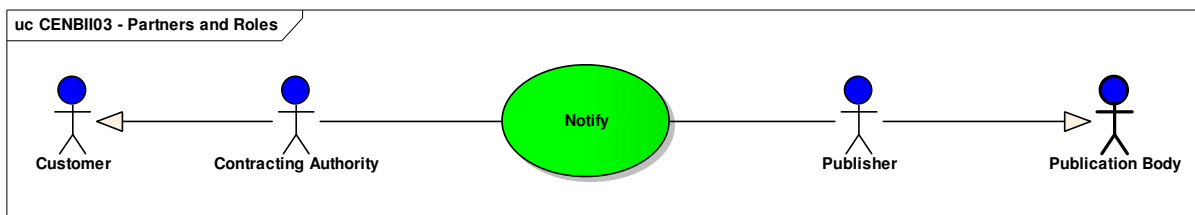
4.3 Partners and authorized roles

The following business partners participate in this profile, acting in the roles as defined below.

Business partner	Description
Customer	The customer is the legal person or organization who is in demand of a product or service. Examples of customer roles: buyer, consignee, debtor, contracting authority.

Publication body	A Pan-European, national or regional publication that publishes Tenders.
------------------	--

Role	Description
Contracting authority	<p>'Contracting authorities' means the State, regional or local authorities, bodies governed by public law, associations formed by one or several of such authorities or one or several of such bodies governed by public law.</p> <p>A 'body governed by public law' means any body:</p> <p>(a) established for the specific purpose of meeting needs in the general interest, not having an industrial or commercial character;</p> <p>(b) having legal personality; and</p> <p>(c) financed, for the most part, by the State, regional or local authorities, or other bodies governed by public law; or subject to management supervision by those bodies; or having an administrative, managerial or supervisory board, more than half of whose members are appointed by the State, regional or local authorities, or by other bodies governed by public law.</p> <p>This term has a narrower scope than the term "Customer" and is in BII treated as a customer role.</p>
Publisher	A person or entity engaged in the production and issuance of information for public access.

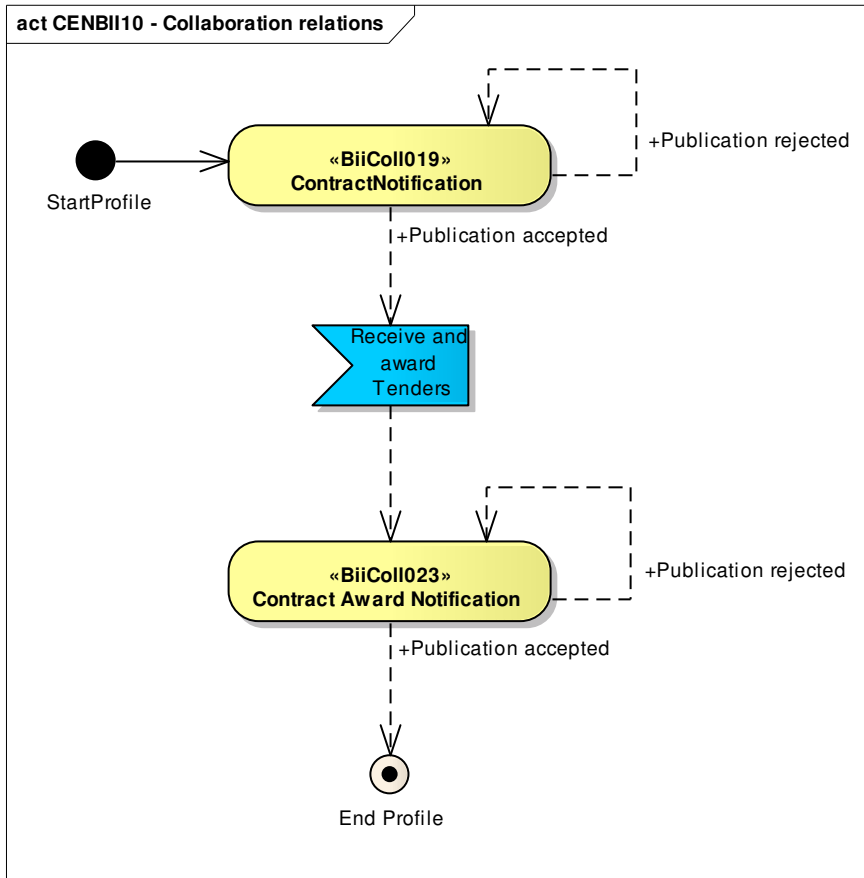


4.4 Choreography of business collaborations

Each business process in scope contains within itself one or more business collaborations:

Business Process	Business Collaboration(s)	Collaboration ID
Notify	ContractNotification	BiiColl019
	ContractAwardNotification	BiiColl023

The following diagram shows the relationships (i.e. links) between the collaborations of each business process implemented by the profile. The choreography of business collaborations defines the sequence of interactions when the profile is run within its context. Each sequence of interactions can be understood as a run-time scenario.



Description	<p>The Contracting authority sends a Contract Notice to the Publisher.</p> <p>The Publisher may reject publishing the notice because of insufficient or wrong information in which case the Contracting authority corrects it by sending a new notice.</p> <p>Following the awarding of a tender the Contracting Authority sends a Contract Award Notice to the Publisher, informing who was/were awarded.</p> <p>The Publisher may reject publishing the notice because of insufficient or wrong information in which case the Contracting authority corrects it by sending a new notice.</p>
Pre-conditions	The Contracting Authority has decided to tender for specific goods, services or works.
Post-conditions	The Contracting Authority has properly published the notification.
Scenarios	This profile contains no scenarios.
Remarks	This process may be aborted by the Contracting Authority at any point. Such as case is notified to the relevant publication with an external message.

4.4.1 Profile business rules

4.4.2 Process rules

- None identified.

4.4.3 Information constraints

- None identified.

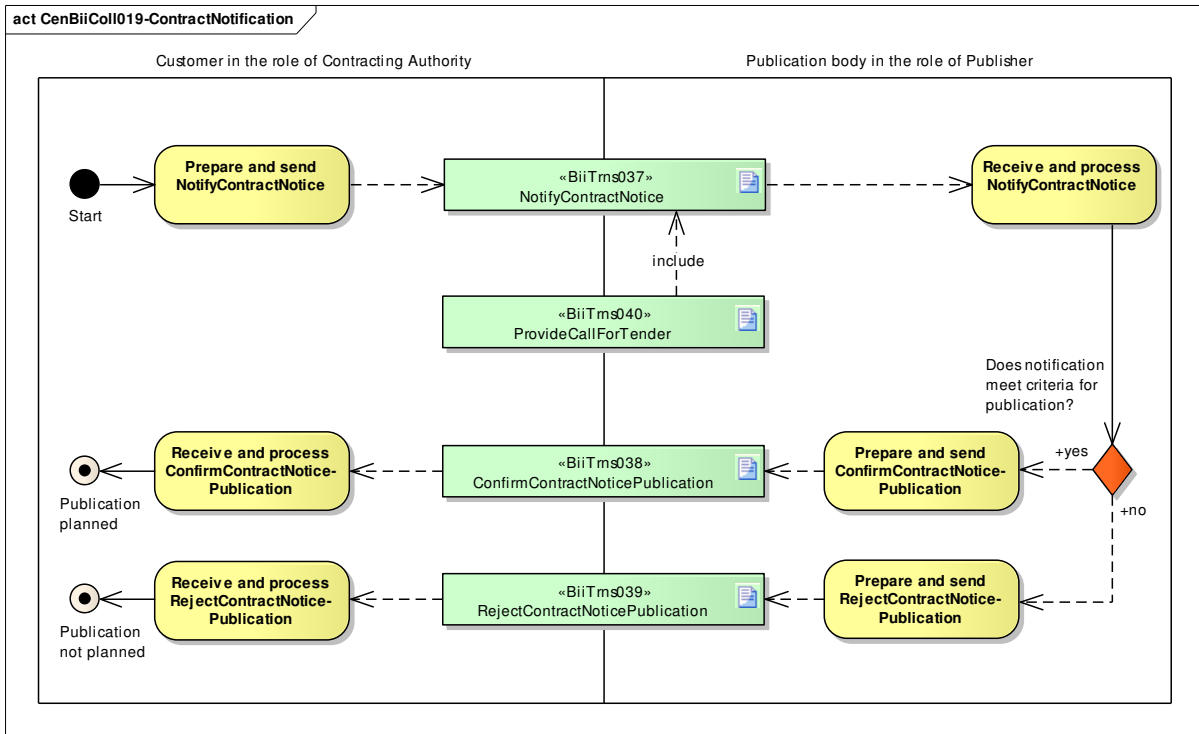
4.5 Business Collaboration(s) detailed description

4.5.1 ContractNotification collaboration

4.5.1.1 Overview

Categories	Description and Values
Collaboration ID	BiiColl019
Description	A Contracting Authority sends a transaction to the relevant Publisher to notify of a Call for Tender to which the Publisher responds by either accepting or rejecting to publish the notice.
Pre condition	None
Post condition(s)	a. The notification will be published. b. The notification will not be published.
Transactions	NotifyContractNotice - BiiTrns037 ConfirmContractNoticePublication - BiiTrns038 RejectContractNoticePublication - BiiTrns039 ProvideCallForTender - BiiTrns040
Roles	Publisher Contracting Authority

4.5.1.2 Diagram



4.5.1.3 Activity description

Role	Activity	Description
Main flow	Notice accepted for publication	Post condition a
Contracting Authority	Prepare and send NotifyContractNotice.	The Contracting Authority creates and sends a NotifyContractNotice to the relevant Publisher. If required for publication the ProvideCallForTender document is sent along with the contract notice.
Publisher	Receive and process NotifyContractNotice	The Publisher receives and processes the NotifyContractNotice and evaluates whether the content meets criteria for publication.
Publisher	Call for Tender does meet criteria. Prepare and send ConfirmContractNotice-Publication	If the contract notice meets the criteria for publication the Publisher reports this to the Contracting Authority and also proceeds to publish the notice. The publication is an external process.
Contracting Authority	Receive and process ConfirmContractNotice-Publication	The Contracting Authority receives the positive response from the Publisher.
Scenario	Publication rejected	Post condition b
Publisher	Contract Notice does not meet criteria. Prepare and send RejectContractNotice-Publication	In the case a contract notice message does not meet the criteria for publication the Publisher reports this to the Contracting Authority.

Contracting Authority	Receive and process RejectContractNoticePublication	If the Contracting Authority receives a negative notice receipt it may resolve the issue by creating a new contract notice with corrected information and send it to the Publisher as a new instance of this collaboration.
-----------------------	---	---

4.5.1.4 Collaboration business rules

4.5.1.4.1 Process rules

- None identified

4.5.1.4.2 Information constraints

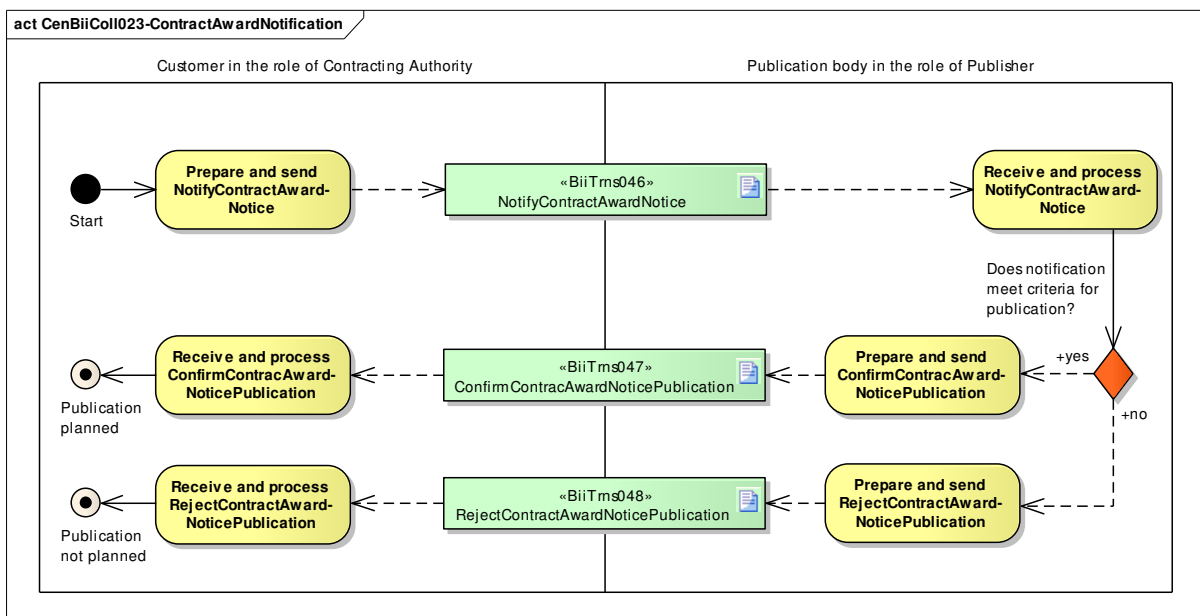
Information constraints relevant to this collaboration are captured in the referenced transaction data model(s).

4.5.2 ContractAwardNotification collaboration

4.5.2.1 Overview

Categories	Description and Values
Collaboration ID	BiiColl023
Description	A Customer as a Contracting Authority sends a transaction to the relevant Publication body, which has the role of a Publisher, to notify of the awarding of a tender, to which the Publisher responds by either accepting or rejecting to publish the notice.
Pre condition	None
Post condition(s)	a. The notice will be published. b. The notice will not be published.
Transactions	NotifyContractAwardNotice - BiiTrns046 ConfirmContracAwardNoticePublication - BiiTrns047 RejectContractAwardNoticePublication - BiiTrns048
Roles	Publisher Contracting Authority

4.5.2.2 Diagram



4.5.2.3 Activity description

Role	Activity	Description
Main flow	Notice accepted for publication	Post condition a
Contracting Authority	Create and send NotifyContractAward Notice.	The Contracting Authority creates a NotifyContractAwardNotice transaction and sends it to the Publisher.
Publisher	Receive and process NotifyContractAward Notice.	The Publisher receives and processes the NotifyContractAwardNotice transaction and evaluates whether the content meets criteria for publication.
Publisher	Award notice does meet criteria. -- Prepare and send ConfirmContractAwardNoticePublication.	If the contract award notice message does meet the criteria for publication the Publisher reports this to the Contracting Authority and also proceeds to publish the notice. The publication is an external process.
Contracting Authority	Receive and process ConfirmContractAwardNoticePublication	The Contracting Authority receives the positive response from the Publisher.
Scenario	Publication rejected	Post condition b
Publisher	Award Notice does not meet criteria -- Prepare and send RejectContractAwardNoticePublication	In the case an award notice message does not meet the criteria for publication the Publisher reports this to the Contracting authority.
Contracting Authority	Receive and process RejectContractAwardNoticePublication	If the Contracting authority receives a negative notice receipt he may correct it by creating a new contract award notice with corrected information and send it to the Publisher as a new instance of this collaboration.

4.5.2.4 Collaboration business rules

4.5.2.4.1 Process rules

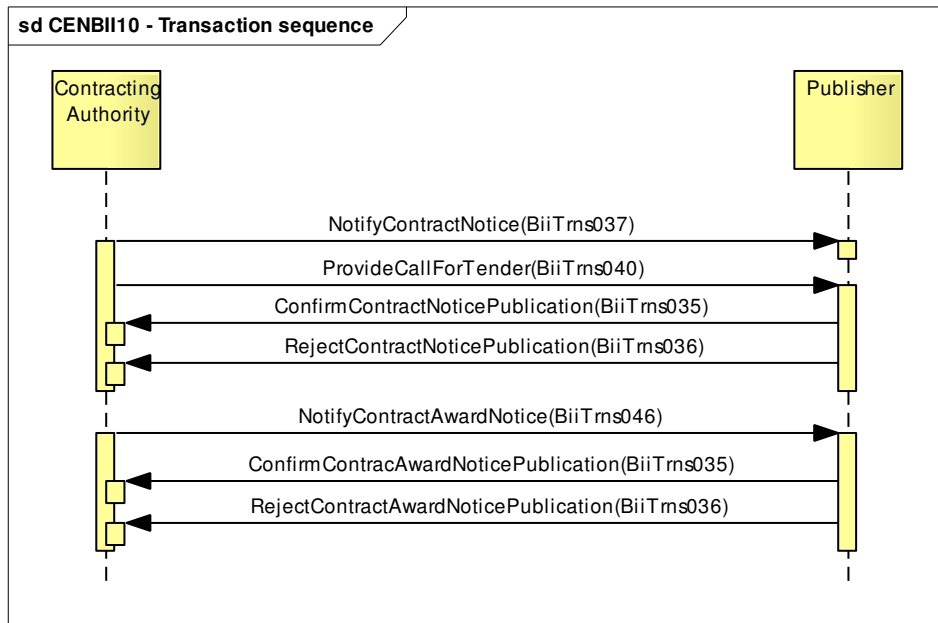
- None identified

4.5.2.4.2 Information constraints

Information constraints relevant to this collaboration are captured in the referenced transaction data model(s).

4.6 Transaction(s) detailed description

The figure below identifies the electronic messages exchanged as part of this process and the sequence in which these documents are exchanged.



4.6.1 Transaction data models

Transaction	Trns ID	Data Model	Data model ID, Core - Full
NotifyContractNotice	BiiTrns037	ContractNotice	BiiTrdmCore037 - BiiFullTrdm037
ConfirmContractNoticePublication	BiiTrns038	ContractNoticePublicationConfirmation	BiiCoreTrdm038 - BiiFullTrdm038
RejectContractNoticePublication	BiiTrns039	ContractNoticePublicationRejection	BiiCoreTrdm039 - BiiFullTrdm039
ProvideCallForTender	BiiTrns040	CallForTender	BiiCoreTrdm040 - BiiFullTrdm040
NotifyContractAwardNotice	BiiTrns046	ContractAwardNotice	BiiCoreTrdm046 - BiiFullTrdm046
ConfirmContractAwardNoticePublication	BiiTrns047	ConfirmContractAwardNoticePublicationConfirmation	BiiCoreTrdm047 - BiiFullTrdm047
RejectContractAwardNoticePublication	BiiTrns048	ContractAwardNoticePublicationRejection	BiiCoreTrdm048 - BiiFullTrdm048

Each of the identified transactions is elaborated in the following chapters.

4.6.2 NotifyContractNotice transaction

Categories	Description and Values
Identifier	BiiTrns037
Description	The document used for a Contracting Authority to announce a project to buy goods, services or works. The contract notice is published in the national publication and if it exceeds a legal threshold it has to be published in other publications as the OJEU.
Partner Types	Customer Publication Body
Authorized Roles	Contracting authority Publisher

Categories	Description and Values
Legal Implications	By sending the Contract Notice the Purchasing Authority is bound by its content.
Initial Event	Prepare and send NotifyContractNotice
Terminal event	Receive and process NotifyContractNotice
Scope	All tender procedures.
Boundary	None specified.

4.6.2.1 Transaction business rules

- National laws and regulations and, in case of above threshold Call for Tenders, EU directives 2004/18/EC and 2004/17/EC.

4.6.3 ConfirmContractNoticePublication transaction

Categories	Description and Values
Identifier	BiiTrns038
Description	A structured electronic document sent by the Publication body to notify the Purchasing authority that the relevant Notice meets criteria for publication.
Partner Types	Customer Publication body
Authorized Roles	Contracting authority Publisher
Legal Implications	See below.
Initial Event	Prepare and send ConfirmContractNoticePublication
Terminal event	Receive and process ConfirmContractNoticePublication
Scope	All Tender procedures.
Boundary	None

4.6.3.1 Transaction business rules

- National laws and regulations and, in case of above threshold Call for Tenders, EU directives 2004/18/EC and 2004/17/EC.
- Notice Receipt must refer to a one PIN.

4.6.4 RejectContractNoticePublication transaction

Categories	Description and Values
Identifier	BiiTrns039
Description	A structured electronic document sent by the Publication body to notify the Contracting authority that the relevant Notice does not meet criteria for publication.
Partner Types	Customer Publication body

Categories	Description and Values
Authorized Roles	Contracting authority Publisher
Legal Implications	See rule section below.
Initial Event	Prepare and send RejectContractNoticePublication
Terminal event	Receive and process RejectContractNoticePublication
Scope	All Tender procedures.
Boundary	None specified.

4.6.4.1 Transaction business rules

- National laws and regulations and, in case of above threshold Call for Tenders, EU directives 2004/18/EC and 2004/17/EC.
- Notice Receipt must refer to a one PIN.

4.6.5 ProvideCallForTender transaction

Categories	Description and Values
Identifier	BiiTrns040
Description	A structured electronic document sent by the Purchasing Authority to the relevant Publication Body containing details of the Call for Tender.
Partner Types	Customer Supplier
Authorized Roles	Contracting authority Publication body
Legal Implications	By sending the message the Contracting authority commits to the terms expressed in the document.
Initial Event	Prepare and send a ProvideCallForTender
Terminal event	Receive and process ProvideCallForTender
Scope	All Tender procedures.
Boundary	None

4.6.5.1 Transaction business rules

- National laws and regulations and, in case of above threshold Call for Tenders, EU directives 2004/18/EC and 2004/17/EC.

4.6.6 NotifyContractAwardNotice transaction

Categories	Description and Values
Identifier	BiiTrns046
Description	The document submitted by a Contracting Authority to announce the awarding of a procuring project.
Partner Types	Customer Publication body

Categories	Description and Values
Authorized Roles	Contracting authority Publisher
Legal Implications	See below.
Initial Event	Prepare and send NotifyContractAwardNotice
Terminal event	Receive and process NotifyContractAwardNotice
Scope	All Tender procedures.
Boundary	None specific.

4.6.6.1 Transaction business rules

- National laws and regulations and, in case of above threshold Call for Tenders, EU directives 2004/18/EC and 2004/17/EC.

4.6.7 ConfirmContractAwardNoticePublication transaction

Categories	Description and Values
Identifier	BiiTrns047
Description	A structured electronic document sent by the Publication body to notify the Contracting Authority that the relevant notice does meet the criteria for publication.
Partner Types	Customer Publication body
Authorized Roles	Contracting authority Publisher
Legal Implications	See below
Initial Event	Prepare and send ConfirmContractAwardNoticePublication
Terminal event	Receive and process ConfirmContractAwardNoticePublication
Scope	All Tender procedures.
Boundary	None specified.

4.6.7.1 Transaction business rules

- National laws and regulations and, in case of above threshold Call for Tenders, EU directives 2004/18/EC and 2004/17/EC.
- ConfirmContractAwardNoticePublication must refer to a one Prior Information Notice.

4.6.8 RejectContractAwardNoticePublication transaction

Categories	Description and Values
Identifier	BiiTrns048
Description	A structured electronic document sent by the Publication body to notify the Contracting Authority that the relevant notice does not meet criteria for publication.

Categories	Description and Values
Partner Types	Customer Publication body
Authorized Roles	Contracting Authority Publisher
Legal Implications	See below.
Initial Event	Prepare and send RejectContractAwardNoticePublication
Terminal event	Receive and process RejectContractAwardNoticePublication
Scope	All Tender procedures.
Boundary	None specified.

4.6.8.1 Transaction business rules

- National laws and regulations and, in case of above threshold Call for Tenders, EU directives 2004/18/EC and 2004/17/EC.
- RejectContractAwardNoticePublication must refer to a one Prior Information Notice.