CEN ISSS workshop BII
CWA xxxx-1:2009
Business Interoperability Interfaces for Public procurement in Europe – Part 1: Profile overview

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Foreword

This CWA is part 1 of a multi-parts CWA. It has been prepared by the CEN/ISSS Workshop on Business Interoperability Interfaces for Public procurement in Europe (WS/BII)

The multi-parts CWA has been officially approved at the final WS/BII Plenary Meeting on 4 November 2009.

This CEN Workshop Agreement is publicly available as a reference document from the National Members of CEN: AENOR, AFNOR, ASRO, BSI, CSNI, CYS, DIN, DS, ELOT, EVS, IBN, IPQ, IST, LVS, LST, MSA, MSZT, NEN, NSAI, ON, PKN, SEE, SIS, SIST, SFS, SN, SNV, SUTN and UNI.

The current document is: Part 1 – Profile Overview

The different parts of the multi-parts CWA are:

- Part 0: Introduction
- Part 1: Profile overview
- Part 2: UBL-UN/CEFACT convergence
- Part 3: Toolbox Requirements
- Part 4: Evaluation guidelines for testing and piloting

Here is the list of the companies which have officially endorsed the multi-parts CWA:

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1 Scope

The objective of Workgroup 1 of the BII workshop is to: provide specification of message content and business processes that facilitates business interoperability interfaces related to pan-European electronic transactions in public procurement.

To facilitate implementation of electronic commerce in a standardized way, thereby enabling the development of standardized software solutions as well as efficient connections between trading 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.

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.

This CWA provides an overview of the profile descriptions developed by CEN/ISSS WS/BII. The individual profile descriptions and their associated transaction data models are made available at http://spec.cenbii.eu/Profiles/IndexWG1.html .

2 Definitions and abbreviations

2.1 Definitions

Definitions relevant to this CWA are provided in the BII Glossary provided as annex A.

3 The profile concept

3.1 General

The technical specification of the architecture applied as the basis for the development and specification of profiles by CEN/ISSS WS/BII is referenced in annex B.

In order to support the exchange of business documents in an open and interoperable manner, the profiles within CEN/ISSS WS/BII will be described with an aim to function as an “agreement”. This is done in order to lower one of the main barriers to the efficient and effective implementation of electronic procurement; the need to entering in to bilateral agreements with each business partner. By providing precise and detailed profile descriptions an organisation implementing a profile from CEN/ISSS WS/BII can claim compliance to it. By doing so the organisation is committed to all aspects of the profile and thus limiting the need for further bilateral agreements.

3.2 Compliance

As further described in the following sections, it is not expected that an organisation will implement all profiles referenced in this CWA. Compliance to the CWA is thus measured against the individual profile. Furthermore it is expected that the profiles of CEN/ISSS WS/BII will be implemented in software solutions. Compliance requirements are thus expressed as requirements on the software solution implementing the profiles.

Compliance to a profile is measured against the three key aspects of the profile:

- **Choreography**; compliance is measured against the sequence of collaborations and transactions in the profile.
  Every software solution claiming compliance to a profile is expected to be able to support all business collaborations and business transactions defined by the profile.
- **Data content**; compliance is measured against the ”core” transaction data model nominated by the profile.
  Every software solution claiming compliance to a profile is expected to be able to process and understand all elements defined as part of the relevant core transaction data models referenced by the profile.
- **Business rules**; compliance is measured against the rules stated at profile, collaboration and transaction level of the profile.
  Every software solution claiming compliance to a profile is expected to adhere to all business rules stated within the profile description and the referenced transaction data model.

3.3 Profile migration

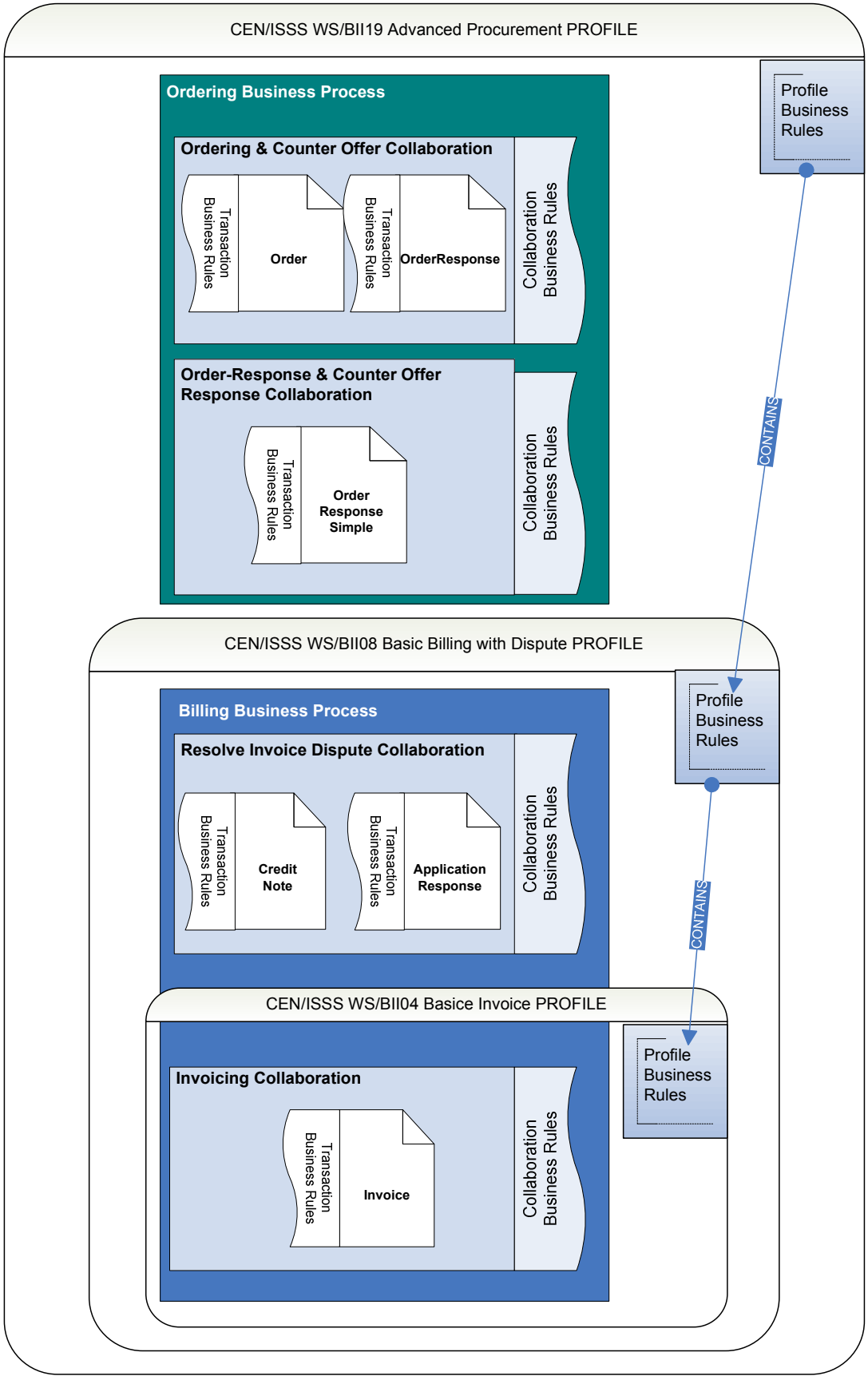
It is expected that the users of this CWA represents a heterogeneous community of large companies, medium and small companies. Recognising this, the Profiles have been designed as a set of logical modules that may coexist within one single implementation without major maintenance trouble.

Over time, an organisation may want to change their Profile. Therefore such transition should be as smooth and inexpensive as possible. This means that the Profile containing most functions should contain all functions of the other Profiles. The functions of the Profile containing fewer functions should be contained in all other Profiles. This could be visualised as a Russian Doll type of approach.

The above point may not enable a full upstream Profile interoperability (i.e. the ability of Profiles with fewer functions to interoperate with Profiles with additional functions) since the Profiles with more functions may introduce additional rules at all levels (i.e. organisational, required data in messages or other controls). However, it does ensure that the transition to another Profile is nothing but extending the functions of the initial implementation. On the other hand, full downstream Profile interoperability (i.e. the ability of Profiles with additional functions to interoperate with Profiles with fewer functions) is without doubt enabled.

The Collaborations can be understood as the Use-Cases of a software product implementation. As business rules are added, more alternative-flows are created. However, the fundamentals do not change. This means

that the Profile own cohesion is achieved without breaking the coherence among Profiles. The concept of profile migration is illustrated in the figure below. The reader should refer to the Profile Architecture in Annex B to fully grasp the terms used in the figure.



4 Pre-award profiles

4.1 General

This section shows how the profiles related to the pre-award phase can be used during the different tender procedures existing for public procurement (DIR 2004/18/CE as main reference). The purpose is to describe how the profiles defined for the pre-awarding phase of public procurement can be combined to fulfil business requirements depending on tender procedures.

The key aspects covered are:

- A Contracting Authority can use different procedures to procure work, goods and services.
- The usage of a procedure is strictly connected to the characteristic of the items to be purchased (amount, quantity, complexity etc.) and on the circumstances (e.g. urgency).
- For certain characteristics (especially the thresholds) European law force the usage of specific tender procedures and tender documents.
- Among the tendering procedures some processes and business requirements can be common.
- Among the different tendering procedures some document provided by the Economic Operators can be the same.
- Documents exchanged by Contracting Authorities, Economic Operators and Third Parties potentially are many with different content and format (catalogues included), but all referred only to one specific procedure identification.
- Contracting Authorities must perform mandatory communication to Economic Operators, Third Parties and/or the citizens according to the tendering procedure chosen.
- A Tender may refer to an individual contract, regardless of being a works, supplies or services contract.
- Tendering procedures considered are Open, Restricted, Negotiated, Competitive Dialogue and DPS (Dynamic Purchasing Systems). The last two represents a whole electronic process, not properly a tender procedure, but they were considered to supply a broader view of profile usage.
- During the Qualification phase a Contracting Authority can request an Economic Operator to integrate or resend qualification documents. In this case the request is generally performed outside the IT Systems with an external process, but the qualification document submission can be provided using once again the suitable profile (Profile BII 14 Qualification).

It should be noted that business applications supporting the pre-award processes at both Contracting Authorities and Economic Operators is not yet in common use. Applying electronic messaging in the pre-award processes could thus be regarded as a fairly new and immature area. Thus further evaluation and developments may be required in order to provide sustainable support for these functions.

Furthermore it should be recognised that the application of electronic messaging in the pre-award processes is even less used. Several Contracting Authorities are in the process of - or have already - implemented web based portal systems to support these processes. As the Profiles described in this CWA are aimed at providing specification of business interoperability interfaces they may also provide value in implementation of web based portal systems. In such scenario the profiles could be viewed as describing the work process of the portal system (“choreography of business processes” and “business rules”) and the information content of the web interfaces (“business transactions” and their “information content”). When used in such scenario the term “send”, as used in the profile description, should be interpreted as “submit” or “enter”, e.g. the business transaction is sent by submitting or entering the required data in the portal system.

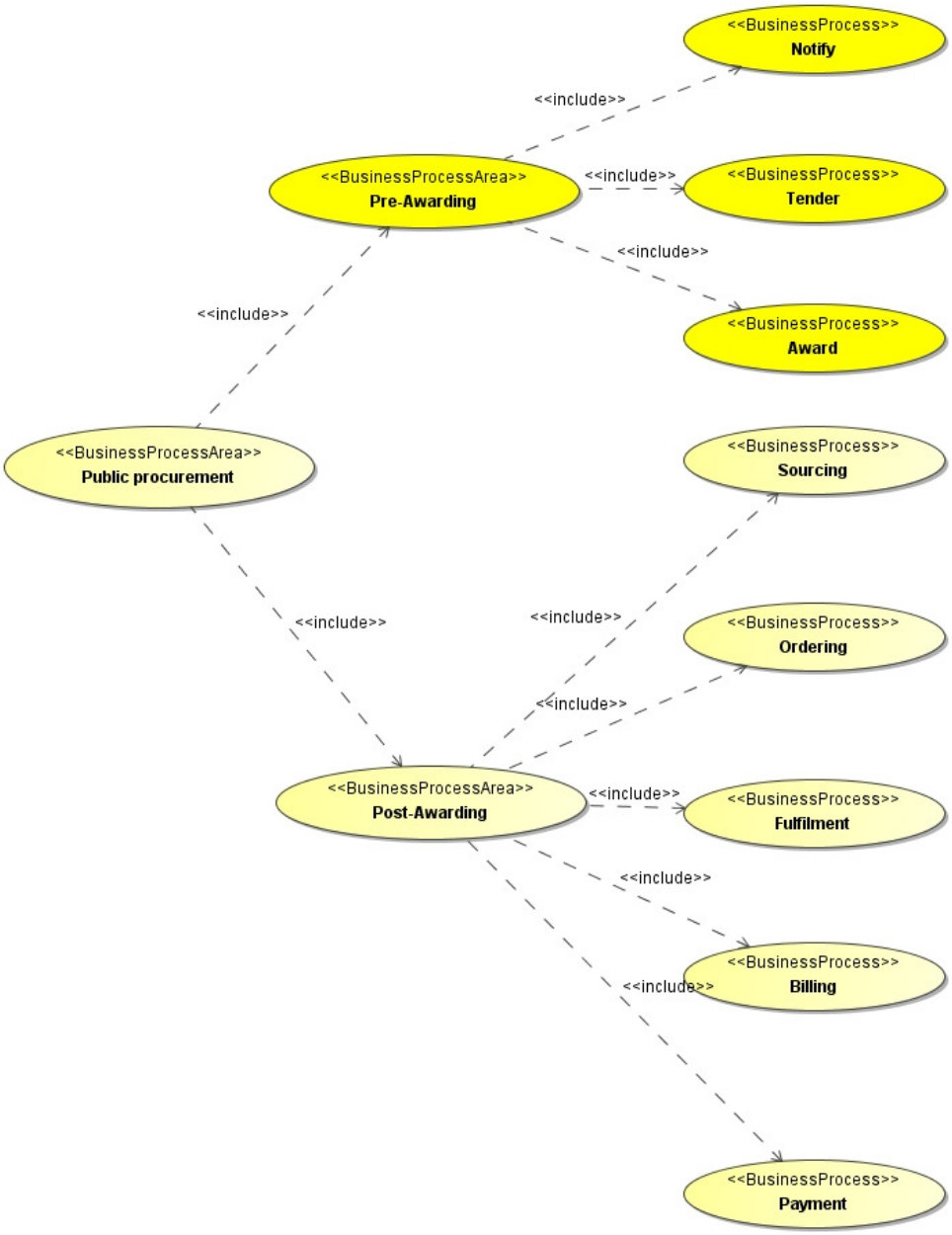
In certain markets catalogues are frequently used as part of the pre-award processes, whether it is for a Contracting Authority to express requirements on products or it is for the Economic Operator to provide a list of the products he may deliver. It should be observed that the catalogue related profiles specified within BII (see section 5.1) has been specifically designed for use within the post-award processes of public

procurement. The workshop recognises that there may be specific requirements related to catalogues used in the pre-award processes both with respect to how they are used (the business process) and their information content. Such requirements are however not reflected in the current the catalogue related profiles.

Another concept that is emerging within the pre-award area is the use of a Virtual Company Dossier (VCD), enabling Economic Operators to collect business certificates and attestations from existing registries and to submit those evidences electronically and assembled as an information package to any Contracting Authority. It is expected that the use of the VCD may affect the detailed choreography within the qualification step of a public procurement process, as well as the detailed information content of the Qualification Document. The use of a VCD is not accommodated within the profiles currently provided by the workshop, and thus not further addressed within this CWA.

4.2 Business processes in scope

Pre-awarding procurement is a complex domain with several key processes, some of which are illustrated in the following figure. Those processes included in pre-awarding are highlighted.



Inside the more general Tendering process the following sub-processes are covered:

- Qualification
- Tender invitation
- Tender submission

Tender/Bid opening it is not directly supported by any Profile as this is considered an internal process of the Contracting Authority. However, as it is shown in the above figure, the results of the Tender/Bid opening an d the following evaluation is announced as part of the Awarding process.

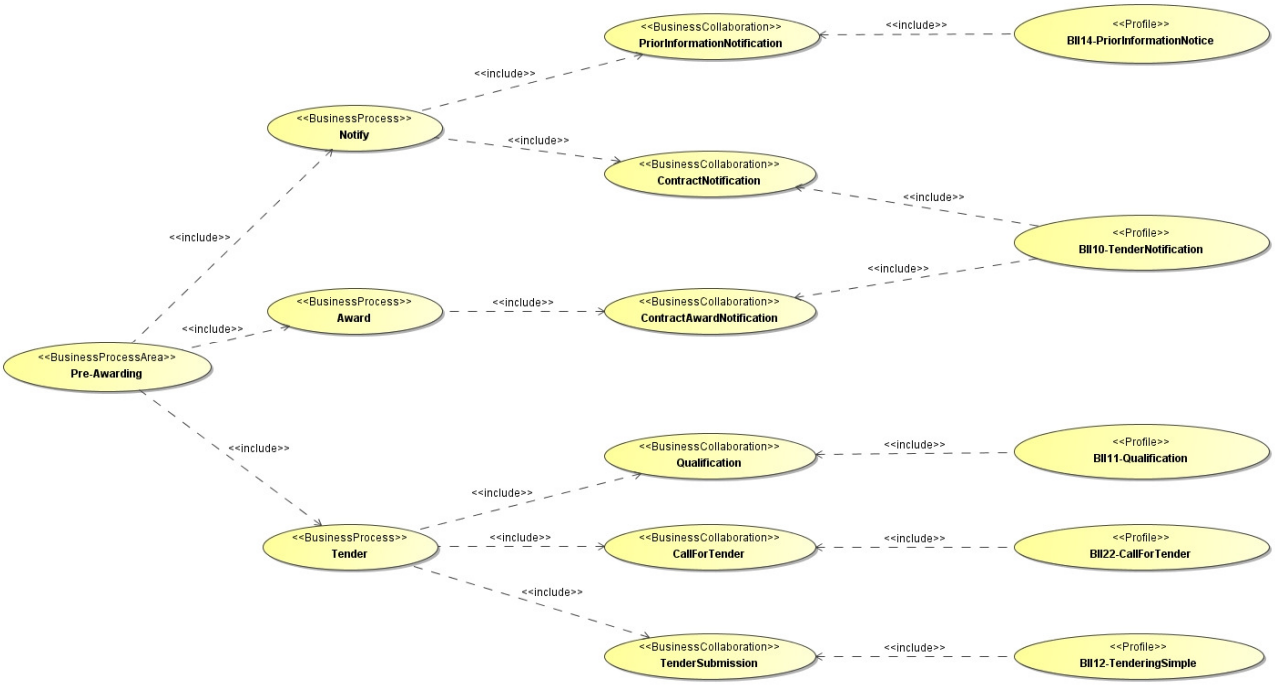
For use in the pre-award phase the following profiles have been developed (see also annex C):

Profile		**Purpose of the profile**
BII14	Prior Information Notice	This profile describes a process where a Contracting Authority sends a Prior Information Notice, which relates to an intended 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 Call 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 Prior Information Notice process specifically and can be used in relation with any tendering procedure that requires its publication, including open procedure, restricted procedure, negotiated procedure and competitive dialogue. The profile enables the Contracting Authority to submit, in a structured electronic format, a Prior Information Notice to the relevant Publication Body. The relevant Publication Body can send a response that notifies the Contracting Authority whether the content of the message meets criteria for publication, or not.
BII10	Tender Notification	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.
BII11	Qualification	The Qualification profile describes a process providing electronic messaging support for identifying and verifying the capabilities of any Applicant that wants to present an offer to a particular contest (pre-awarding phase). It is for the business process of tendering in a pre-awarding phase. It is intended for use by businesses and purchasing authorities in restricted, negotiated, open or competitive dialogue procedures where access to participation is restricted to pre-qualified Applicants. The key aspects covered by this profile are: - An Applicant can use this profile to submit qualification documents to a Qualifier as specified in the Call for Tender documents. - The profile can be used for pre-qualification as part of a restricted, negotiated or competitive dialogue tendering procedure or as qualification in an open procedure. - The Qualification transaction is specific to a particular Call for Tender. It can be further refined in order to incorporate

Profile		Purpose of the profile
		supporting documents such as a VCD document. - The Qualifier evaluates the qualification information and reports his decision, positive or negative, to the Applicant with a qualification response document. - In the case of a positive qualification response the Qualifier can continue with the tendering process. The positive qualification response may contain an invitation to submit a tender.
BII22	Call for Tender	The Call for Tender profile describes a process providing electronic messaging support for the business process of inviting economic operators in a pre-awarding phase. The key aspects covered by this profile are: - The Contracting authority has decided to invite an Economic operator to participate in a pre awarding procedure, sending the Call for Tender document, possibly with the invitation to tender information included. - The Economic operator decides whether he participates in the tendering process, but no communication has to be sent back to the Contracting authority. The profile additionally allows the Contracting authority to send a formal invitation to tender document in an unstructured form to the Economic operator.
BII12	Tendering Simple	The Tendering profile describes a process providing electronic messaging support for the business process of Tendering. It is intended for use by businesses in order to present a tender that fulfils the requirements of a Call for Tender document in a tendering process. The key aspects covered by this profile are: - The submitting of a Tender in response to a Call for Tender as part of an open, negotiate or restricted tendering procedure or dynamic purchasing systems. - A receipt from a Contracting authority to an Economic operator confirming that a tender has been received and when.

4.3 Profiles and their Business Collaborations

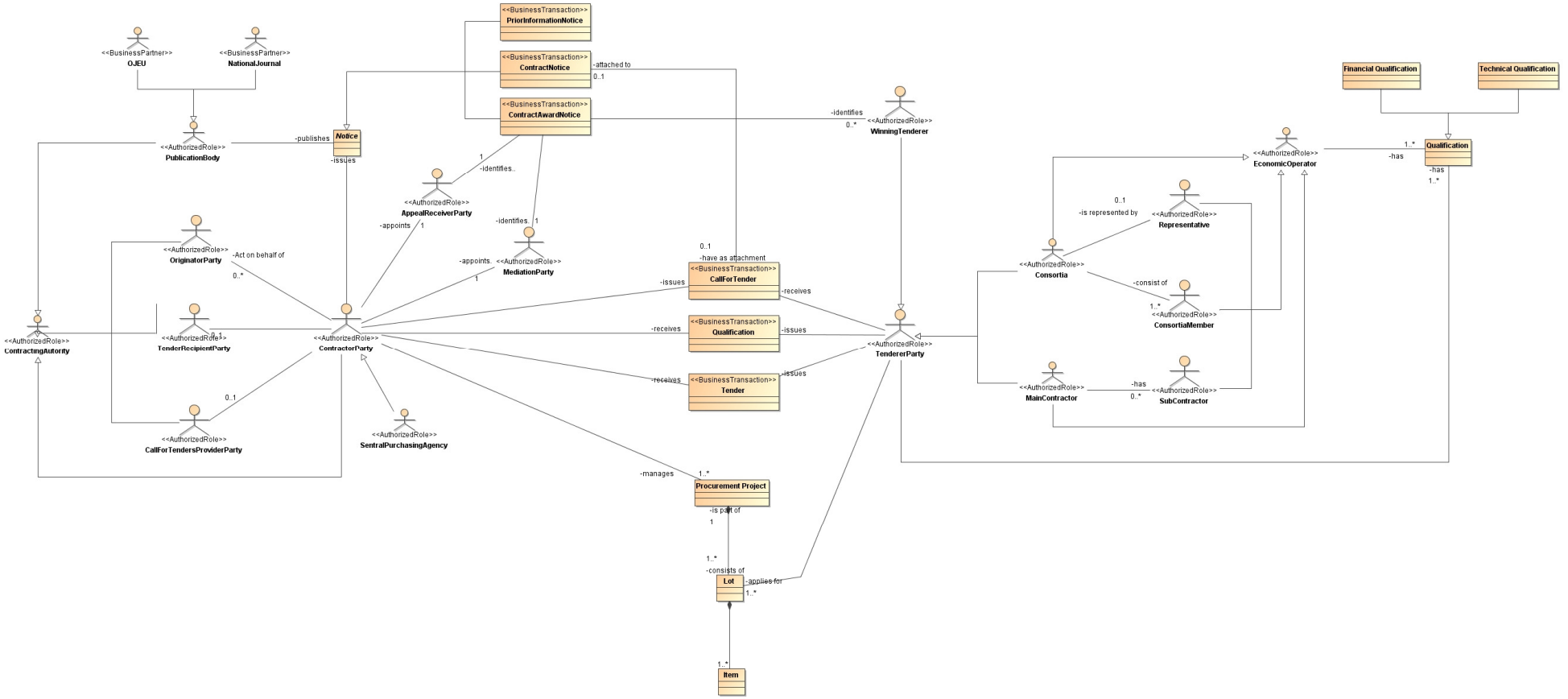
The following figure illustrates the relationship between the profiles in the pre-award phase and their business collaborations.



As can be seen from the above diagram the required coverage for the pre-award process may be achieved by combining some or all the relevant Profiles. E.g. coverage for the Tender process may be achieved by implementing support for Profiles 10, 11 and 22.

4.4 Business Partners and authorised roles

The relationship between the business partners and main business documents exchanged during the pre-awarding phase are shown in the following figure.


<<BusinessPartner>>
OJEU
<<BusinessPartner>>
NationalJournal
<<BusinessTransaction>>
PriorInformationNotice
<<BusinessTransaction>>
ContractNotice
-attached to
0..1
<<BusinessTransaction>>
ContractAwardNotice
-identifies
0..*
<<AuthorizedRole>>
WinningTenderer
Financial Qualification
Technical Qualification
<<AuthorizedRole>>
PublicationBody
-publishes
Notice
-issues
1
-identifies..
<<AuthorizedRole>>
AppealReceiverParty
-appoints..
1
-identifies..
1
<<AuthorizedRole>>
MediationParty
-appoints..
1
<<AuthorizedRole>>
EconomicOperator
1..*
-has
Qualification
-has
1..*
0..1
-is represented by
<<AuthorizedRole>>
Representative
<<AuthorizedRole>>
OriginatorParty
-Act on behalf of
0..*
0..1
-have as attachment
<<BusinessTransaction>>
CallForTender
-issues
-receives
<<AuthorizedRole>>
Consortia
-consist of
1..*
<<AuthorizedRole>>
ConsortiaMember
<<AuthorizedRole>>
ContractingAutority
<<AuthorizedRole>>
TenderRecipientParty
0..1
<<AuthorizedRole>>
ContractorParty
-receives
<<BusinessTransaction>>
Qualification
-issues
<<AuthorizedRole>>
TendererParty
-receives
<<BusinessTransaction>>
Tender
-issues
<<AuthorizedRole>>
MainContractor
-has
0..*
<<AuthorizedRole>>
SubContractor
0..1
<<AuthorizedRole>>
CallForTendersProviderParty
<<AuthorizedRole>>
SentralPurchasingAgency
-manages
1..*
Procurement Project
-is part of
1
1..*
-consists of
Lot
-applies for
1..*
1..*
Item

4.5 Choreography of Profiles potential usage

The tables in the following pages summarises the usage of Profiles in the various tendering procedures. Where no Profile is suitable a note was written.

To simplify comprehension, the procurement process has been divided into main sub-processes where Profiles are mapped.

For each combination of procedures and sub-processes there is a letter expressing the following meaning:

- (M) = use of the Profile is Mandatory (considering the defined transactions included in the Profile)
- (O) = use of the Profile is Optional (considering the defined transactions included in the Profile)

The less restricted criteria were used to identify whether a Profile is classified as Mandatory or Optional. Rules can, anyway, differ by member state according national legislation.

In order to simplify the pre-awarding Profiles summary table reading, another table is provided. It contains a mapping between the business documents and the BII transaction data models (electronic messages, named in the form of BiiTrdm000- e.g. BiiTrdm034) that can be found in the Profile documents considered.

It should be noted that even though a given tendering procedure may be interrupted at certain stages of its execution (to accommodate question and answers), such interruption is not covered in the Profiles. Within the current Profiles such interruption is considered as an external process, but may in the future warrant a separate Profile or be integrated in to current profiles.

4.6 Business document and Transaction Data Model correspondence

Process	Business documents	Transactions Data model exchanged in profiles	Profiles name
Notification	PIN (prior information notice)	PriorInformationNotice	Prior Information Notice
	Contract notice	ContractNotice	Tender notification
	Response from Publication Body	PriorInformationNoticePublicationConfirmation PriorInfomationNoticePublicationRejection ContractNoticePublicationConfirmation ContractNoticePublicationRejection	Prior Information Notice Tender notification
Qualification	Administrative documents (certifications, balance sheets, chamber of commerce certifications, moral requirements certificates etc)	Qualification	Qualification
	Qualification Result (positive or negative ,it could be also a classification)	QualificationRejection QualificationAcceptance	Qualification
Tender Invitation	Indicative offer (for DPS), potentially in the form of, or with an attached, catalogue		
	Invitation letter and that can contain Call for tender documents (technical documents, guidelines for offer submission etc.)	CallForTender	Call for Tender (only for negotiated procedures without notice publication)
	Tender (technical and economical. It could also be a	Tender	Tendering simple

Process	Business documents	Transactions Data model exchanged in profiles	Profiles name
	catalogue)		
Tender submission	Confirmation of tender receiving	TenderReceptionNotification	Tendering simple
Awarding	Contract award notice	Contract award notice	Tender notification
	Response from Publication Body	ConfirmContracAwardNoticePublicationConfirmation ContractAwardNoticePublicationRejection	Tender notification

The provisional Guarantee (also known as bid-bond) is one of the documents to be presented as attachment to the Qualification message. Its management is an external process respects to profiles.

4.7 Mapping of profiles potential usage according to the Tender Procedures

In each single the box is indicated the name of profiles.

Procedure / Process	**Notification / Publication**	**Call for tender publication**	**Qualification**	**Tender submission** [4]	**Awarding of tenders**
Open procedure	Prior Information Notice (O) Tender Notification (M)	Call for Tender (M)		Tendering simple (M) Qualification (M) Catalogue (O)[4]	1) Information (unstructured) on award to Economic operators (M) 2) Tender Notification (M) to publication office.
Restricted Procedure	Prior Information Notice (O) [3] Tender Notification (M)	Call for Tender (M)	Qualification (M) Unstructured invitation to tender	Tendering simple (M)[5] Catalogue (O)[4]	1) Information (unstructured) on award to Economic operators (M) 2) Tender Notification (M) to publication office.

Negotiated procedure with contract notice publication	Prior Information Notice (O) [3] Tender Notification (M)	Call for Tender (M)	Qualification (M) Unstructured invitation to tender	Tendering simple (M)[5] Catalogue (O)[4]	1) Information (unstructured) on award to Economic operators (M) 2) Tender Notification (M) to publication office.
Negotiated procedure no contract notice publication		Call for Tender (M) - enclosed with unstructured invitation to tender		Tendering simple (M)[5] Catalogue (O)[4]	1) Information (unstructured) on award to Economic operators (M) 2) Tender Notification (O) to publication office. (stated as optional since only the contract award notice is mandatory)
Competitive dialogue	Prior Information Notice (O) [3] Tender Notification (M)	Call for Tender (M)	Qualification (M) Unstructured invitation to tender [6]	Tendering simple (M) Catalogue (O)[4]	1) Information (unstructured) on award to Economic operators (M) 2) Tender Notification (M) to publication office.
Dynamic Purchasing Systems (setup phase)[2]	Prior Information Notice (O) Tender Notification (M)	Call for Tender (M)		Tendering simple (M) Qualification (M) Catalogue (O)[4]	

(1) The conclusion of a Framework Agreement can be the result of any procedure below, except the DPS. Trade within the FA, after the conclusion of a contract, is supported by post-award profiles.

(2) Only the setup/conclusion of the DPS is covered by the pre-award profiles following the open procedure.

(3) Although the value of publishing a PIN under these procedures can be questioned, the profile however supports PIN regardless of procedure.

(4) The possible use of a catalogue for pre-award procedures is shown but definition of specific pre-award catalogue is out of scope for this CWA.

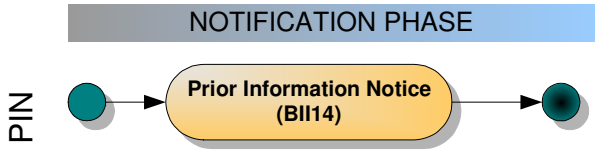
(5) At this stage there is also an unstructured negotiation phase with Economic Operators based on conditions in the call for tender, and a possible sending of revised tenders.

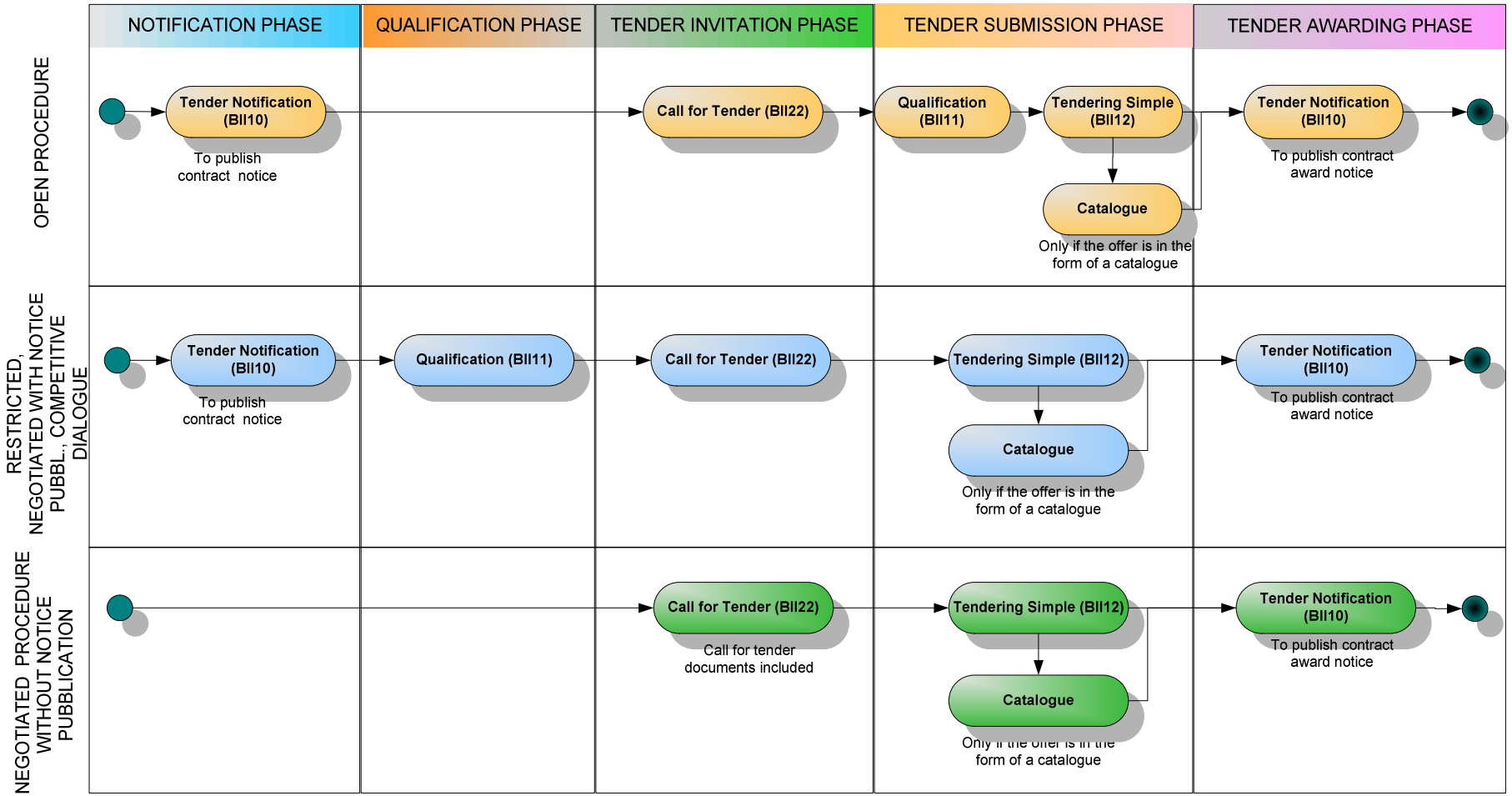
(6) At this stage there is also an unstructured competitive dialogue phase with Economic Operators based on conditions in the call for tender.

4.8 Profiles sequence diagram

The picture below portrays a graphical overview of profiles sequence to be used in the various procedures.

Note that tender invitation is reserved for negotiated procedure without notice publication).




NOTIFICATION PHASE
QUALIFICATION PHASE
TENDER INVITATION PHASE
TENDER SUBMISSION PHASE
TENDER AWARDING PHASE
OPEN PROCEDURE
Tender Notification (BII10)
To publish contract notice
Call for Tender (BII22)
Qualification (BII11)
Tendering Simple (BII12)
Catalogue
Only if the offer is in the form of a catalogue
Tender Notification (BII10)
To publish contract award notice
RESTRICTED, NEGOTIATED WITH NOTICE PUBBL., COMPETITIVE DIALOGUE
Tender Notification (BII10)
To publish contract notice
Qualification (BII11)
Call for Tender (BII22)
Tendering Simple (BII12)
Catalogue
Only if the offer is in the form of a catalogue
Tender Notification (BII10)
To publish contract award notice
NEGOTIATED PROCEDURE WITHOUT NOTICE PUBBLICATION
Call for Tender (BII22)
Call for tender documents included
Tendering Simple (BII12)
Catalogue
Only if the offer is in the form of a catalogue
Tender Notification (BII10)
To publish contract award notice

4.9 Open procedure

The table below describes the actors involved and the sequence of activities

Business Partner	**Role/actor**	**Description**	**Sub-process**
Customer	Buyer/Notices sender	Sends contract notice and documents to Publication Bodies	Tender Notification
Publication Body	Notice receiver (Official Journal at European and national level, press or other institutional publication bodies)	Receives contract notice and issues a confirmation response	Tender Notification
Customer	Buyer/Call for tender issuer/submitter	Issues a call for tender and makes it available to Economic Operators (in parallell with previous activity)	Call for tender publication
Supplier	Seller/Tender receiver	Obtains/receives a call for tender	Call for tender publication
Supplier	Seller/Tender sender	Sends tender, qualification documents	Tender submission / Qualification
Customer	Buyer/Tender receiver	Receives all tender documentation submitted by supplier	Tender submission
Customer	Buyer/Tender receiver	Sends a tender receipt notification	Tender submission
Supplier	Seller/Tender sender	Receives a tender receipt notification	Tender submission
Customer	Buyer/Qualifier	Verifies qualification documents[(2)(3)] to establish which offers (technical and economical) will be evaluated	Qualification
Customer	Buyer	Evaluate tenders and award contract	Awarding
Customer	Buyer/Notices sender	Sends results of awarding* to Economic Operators	Awarding
Supplier	Seller/Tender sender	Receives results of awarding*	Awarding
Customer	Buyer/Notices sender	Sends contract award notice to Publication Bodies	Tender Notification
Publication Body	Notice receiver (as above)	Receives contract award notice	Tender Notification

(1) The process of setup/conclusion of a Dynamic Purchasing System follows the open procedure. The conclusion of a Framework Agreement can follow any of the described procedures.

"(2) The contracting authority first verifies qualification documents for each economic operator. If they are correct and fulfil the requirements written in the call for tender, then it opens and evaluates the tenders (economical and technical part). For those Sellers not qualified tenders are not opened.

Management of the additional information request coming from SUPPLIER during tendering submission period is not considered an automated process to be based on structured messages."

(3) Although different legal rules apply, qualification and evaluation can be conducted at the same time.

* Unstructured message

*The contracting authority first verifies qualification documents for each economic operator. If they are corrected and fulfil the requirements written in the call for tender, then it opens/evaluate the tenders (economical and technical part). For those Sellers not qualified tenders are not opened.

Management of the additional information request coming from SUPPLIER during tendering submission period is not considered an automated process to be based on structured messages.

4.10 Restricted procedure

Business Partner	Role/actor	Description	Sub-process
Customer	Buyer/Notices sender	Sends contract notice and documents to Publication Bodies	Notification
Publication Body	Notice receiver (Official Journal at European and national level, press or other institutional publication bodies)	Receives contract notice and issue a confirmation response	Notification
Customer	Buyer/Call for tender issuer/submitter	Issues a call for tender and makes it available to Economic Operators (in parallell with previous activity)	Call for tender publication
Supplier	Seller/Tender receiver	Obtains/receives a call for tender	Call for tender publication
Supplier	Seller/Applicant	Sends qualification documents in response to the call for tender	Qualification
Customer	Buyer/ receiver (qualification documents)	Receive qualification documents, and issue acknowledgment	Qualification
Supplier	Seller/Applicant	Receive acknowledgment of qualification documents consignment	Qualification
Customer	Buyer/Qualifier	Defines who can submit a tender according to qualification documents received	Qualification
Customer	Buyer/Qualifier	Communicate NON qualification results	Qualification
Customer	Buyer/Invitation sender	Sends invitation to the qualified Economic Operators.*	Tender invitation
Supplier	Seller/Tender sender	Sends tender	Tender submission
Customer	Buyer/Tender receiver	Receives all tender documentation submitted by supplier	Tender submission
Customer	Buyer/Tender receiver	Sends a tender receipt notification	Tender submission
Supplier	Seller/Tender sender	Receives a tender receipt notification	Tender submission
Customer	Buyer	Evaluate tenders and award contract	Awarding
Customer	Buyer/Notices sender	Sends results of awarding* to Economic Operators	Awarding
Supplier	Seller/Tender sender	Receives results of awarding*	Awarding
Customer	Buyer/Notices sender	Sends contract award notice to Publication Bodies	Tender Notification
Publication Body	Notice receiver (as above)	Receives contract award notice	Tender Notification

* Unstructured message

4.11 Negotiated procedure

4.11.1 With contract notice publication

The table below describes the actors involved and the sequence of activities

Business Partner	**Role/actor**	**Description**	**Sub-process**
Customer	Buyer/Notices sender	Sends contract notice and documents to Publication Bodies	Notification
Publication Body	Notice receiver (Official Journal at European and national level, press or other institutional publication bodies)	Receives contract notice and issue a confirmation response	Notification
Customer	Buyer/Call for tender issuer/submitter	Issues a call for tender and makes it available to Economic Operators (in parallell with previous activity)	Call for tender publication
Supplier	Seller/Tender receiver	Obtains/receives a call for tender	Call for tender publication
Supplier	Seller/Applicant	Sends qualification documents in response to the call for tender	Qualification
Customer	Buyer/ receiver (qualification documents)	Receive qualification documents, and issue acknowledgment	Qualification
Supplier	Seller/Applicant	Receive acknowledgment of qualification documents consignment	Qualification
Customer	Buyer/Qualifier	Defines who can submit a tender according to qualification documents received	Qualification
Customer	Buyer/Qualifier	Communicate NON qualification results	Qualification
Customer	Buyer/Invitation sender	Sends invitation to the qualified Economic Operators*	Tender invitation
Supplier	Seller/Tender sender	Sends tender	Tender submission
Customer	Buyer/Tender receiver	Receives all tender documentation submitted by supplier	Tender submission
Customer	Buyer/Tender receiver	Sends a tender receipt notification	Tender submission
Supplier	Seller/Tender sender	Receives a tender receipt notification	Tender submission
Customer	Buyer/Tender receiver	Negotiates* with Economic Operators based on conditions in call for tender	Negotiation
Supplier	Seller/Tender sender	Sends possible revised tender after negotiation	Negotiation / Tender submission
Customer	Buyer	Evaluate tenders and award contract	Awarding
Customer	Buyer/Notices sender	Sends results of awarding* to Economic Operators	Awarding
Supplier	Seller/Tender sender	Receives results of awarding*	Awarding

Customer	Buyer/Notices sender	Sends contract award notice to Publication Bodies	Tender Notification
Publication Body	Notice receiver (as above)	Receives contract award notice	Tender Notification

* Unstructured message

4.11.2 Without contract notice publication

The table below describes the actors involved and the sequence of activities

Business Partner	**Role/actor**	**Description**	**Sub-process**
Customer	Buyer/Invitation sender	Sends invitation* with call for tender to selected Economic Operators	Tender invitation / Call for tender
Supplier	Seller/Invitation receiver	Obtains/receives an inviation with a call for tender	Call for tender publication
Supplier	Seller/Tender sender	Sends tender, qualification documents	Tender submission
Customer	Buyer/Tender receiver	Receives all tender documentation submitted by supplier	Tender submission
Customer	Buyer/Tender receiver	Sends a tender receipt notification	Tender submission
Supplier	Seller/Tender sender	Receives a tender receipt notification	Tender submission
Customer	Buyer/Tender receiver	Negotiates* with Economic Operators based on conditions in call for tender	Negotiation
Supplier	Seller/Tender sender	Sends possible revised tender after negotiation	Negotiation / Tender submission
Customer	Buyer	Evaluate tenders and award contract	Awarding
Customer	Buyer/Notices sender	Sends results of awarding* to Economic Operators	Awarding
Supplier	Seller/Tender sender	Receives results of awarding*	Awarding
Customer	Buyer/Notices sender	Sends contract award notice to Publication Bodies	Tender Notification
Publication Body	Notice receiver (as above)	Receives contract award notice	Tender Notification

* Unstructured message

4.12 Competitive Dialogue

The actors involved in this profile are:

Business Partner	**Role/actor**	**Description**	**Sub-process**
Customer	Buyer/Notices sender	Sends contract notice and documents to Publication Bodies	Notification
Publication Body	Notice receiver (Official Journal at European and national level, press or other institutional publication bodies)	Receives contract notice and issue a confirmation response	Notification

Customer	Buyer/Call for tender issuer/submitter	Issues a call for tender and makes it available to Economic Operators (in parallell with previous activity)	Call for tender publication
Supplier	Seller/Tender receiver	Obtains/receives a call for tender	Call for tender publication
Supplier	Seller/Applicant	Sends qualification documents in response to the call for tender	Qualification
Customer	Buyer/ receiver (qualification documents)	Receive qualification documents, and issue acknowledgment	Qualification
Supplier	Seller/Applicant	Receive acknowledgment (application response) of qualification documents consignment	Qualification
Customer	Buyer/Qualifier	Defines who is allowed to participate to the dialogue according to qualification documents received.	Qualification
Customer	Buyer/Qualifier	Communicate the dialogue phase conclusion to the Economic Operators *	Qualification
Customer	Buyer/Invitation sender	Sends invitation to the Economic Operators qualified to submit the final tender*	Tender invitation
Supplier	Seller/Tender issuer	Sends tender	Tender submission
Customer	Buyer/Tender receiver	Receives all tender documentation submitted by supplier	Tender submission
Customer	Buyer/Tender receiver	Sends a tender receipt notification	Tender submission
Supplier	Seller/Tender sender	Receives a tender receipt notification	Tender submission
Customer	Buyer	Evaluate tenders and award contract	Awarding
Customer	Buyer/Notices sender	Sends results of awarding* to Economic Operators	Awarding
Supplier	Seller/Tender sender	Receives results of awarding*	Awarding
Customer	Buyer/Notices sender	Sends contract award notice to Publication Bodies	Tender Notification
Publication Body	Notice receiver (as above)	Receives contract award notice	Tender Notification

* Unstructured message

4.13 Dynamic Purchasing Systems

The table below describes the actors involved and the sequence of activities.

Note: DPS use the open procedure as for Economic Operators evaluation in order to include them into the DPS, as for the following tendering phases. In fact, in a DPS, differently from individual contracts, there is the possibility, in any moment of the system duration, to improve the “indicative offers” originally submitted by economic operators.

the open procedure as for Economic Operators evaluation in order to include them into the DPS, as for the following tendering phases. In fact, in a DPS, differently from individual contracts, there is the possibility, in any moment of the system duration, to improve the “indicative offers” originally submitted by economic operators.

The improvement is performed with a specific call for tender with a simplified contract notice publication, qualification (based upon the indicative tender), invitation and tendering. The improvement is performed with

a specific call for tender with a simplified contract notice publication, qualification (based upon the indicative tender), invitation and tendering.

Business Partner	**Role/actor**	**Description**	**Sub-process**
Customer	Buyer/Notices sender	Sends contract notice and documents to Publication Bodies	Notification
Publication Body	Notice receiver (Official Journal at European and national level, press or other institutional publication bodies)	Receives contract notice and issue a confirmation response	Notification
Customer	Buyer/Call for tender issuer/submitter	Issues a call for tender and makes it available to Economic Operators (in parallell with previous activity)	Call for tender publication
Supplier	Seller/Tender receiver	Obtains/receives a call for tender	Call for tender publication
Supplier	Seller/Applicant	Sends qualification documents in response to the call for tender	Qualification
Supplier	Seller/Applicant	Sends an Indicative offer	Qualification
Customer	Buyer/ receiver (qualification documents)	Receive qualification documents, and issue acknowledgment	Qualification
Customer	Buyer/ receiver (indicative offer)	Receives indicative offer/tender	Tender submission
Supplier	Seller/Applicant	Receive acknowledgment (application response) of qualification documents consignment	Qualification
Supplier	Seller/Applicant	Receive acknowledgment (application response) of indicative offer consignment/tender receipt	Tender submission
Customer	Buyer/Qualifier	Communicate qualification results to economic operators	Qualification
Supplier	Seller/Applicant	Receive results of qualification	Qualification

4.14 Framework agreements

When referring to profiles in this section, the use with FA, Framework Agreements, is solely regarded. Other uses of profiles are therefore not mentioned.

All pre-award profiles (and no post-award profiles) are intended to support concluding a FA, including awarding.

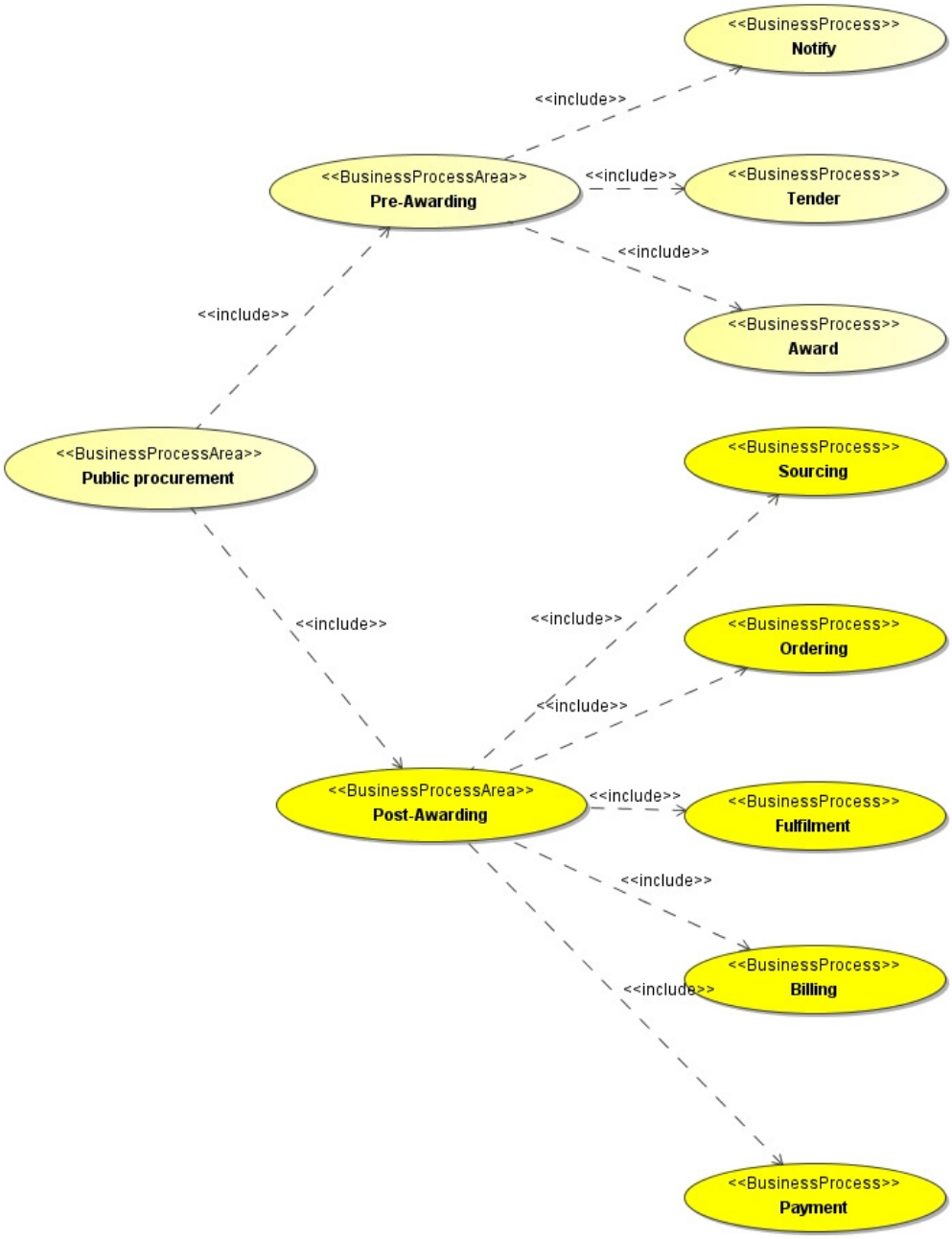
All post-award profiles (and no pre-award profiles) are intended to support trade within a FA, after concluding a contract within a FA.

Neither of the current pre- nor post-award profiles are intended to directly support re-opening the competition within a FA but, depending of the requirements of the re-opening, existing pre- or post-award profiles may be applied to reach a contract. Formal conclusion of FA contracts, e.g. signature of contract document, is not supported by current BII profiles.

5 Post-award profiles

5.1 Business processes in scope

Also post-award procurement is a complex domain with several key processes, some of which are illustrated in the following figure. Those processes supported by the profiles from CEN ISSS WS/BII are highlighted.



5.2 Sourcing

The profiles developed in support of sourcing process are (see also annex C):

Profile		Purpose of the profile
BII01	Catalogue only	This profile allows for establishing and maintaining a catalogue of products and/or services offered from one supplier. It is expected that this profile will typically be used not only to establish a catalogue, but also for maintenance of the information in the catalogue by adding and removing products/services from the catalogue. This profile describes a process that allows a Supplier (or third party acting on a Supplier's behalf – Catalogue Provider) to send a Customer (or third party acting on a Customer's behalf – Catalogue Receiver) a transaction to establish or maintain a catalogue at the Customer site. This profile allows for maintenance of a catalogue by replacing entire lines. In this case, the transaction will contain a reference to the catalogue lines that are to be added, deleted and/or updated. To facilitate this usage, the catalogue line contains an action code describing how the recipient should process the requested maintenance action. Note: if updates of item specification or item pricing information are required in isolation from each other, refer to Profile 2: This process is intended to result in acceptance or rejection of the transaction by the use of a business level response.
BII02	Catalogue update	This profile allows for the maintenance of either product/service related information or price related information in an established catalogue. It is expected that this profile will typically be used where there are frequent or regular updates of product/service descriptions or price information. This profile describes a process comprising individual transactions to make updates to existing information in a catalogue. It allows a Supplier (or third party acting on a Supplier's behalf – Catalogue Provider) to send a Customer (or third party acting on a Customer's behalf – Catalogue Receiver) the send specific transactions to maintain either product/service specifications (SubmitCatalogueItemUpdate) or pricing information of an existing product/service (SubmitCataloguePriceUpdate). Specifically this profile allows only: 1. Product/service specifications (not prices) to be updated in isolation via a specification update transaction (SubmitCatalogueItemUpdate) and/or 2. Prices (not product/service specifications) to be updated in isolation via a pricing update transaction (SubmitCatalogueItemUpdate). This process is intended to result in acceptance or rejection of the maintenance transaction by the use of a business level response.
BII16	Catalogue Deletion	The Catalogue deletion profile describes a process providing electronic messaging support for the business process called "sourcing" in the post-awarding phase of public procurement. The key aspects covered by this profile are: - A Supplier can use this profile to request a Customer to fully remove from trade an existing catalogue. A catalogue existing at the Customer side may be a compilation of the

Profile		Purpose of the profile
		initial catalogue transaction as well as a multitude of catalogue revisions and additions. - The profile is used to delete a whole catalogue not a single row (item) or single catalogue additions or update. - When the Customer deletes catalogue he shall send a notification to the Supplier confirming that the catalogue has been deleted. - Any dispute regarding removing a catalogue from trade should be handled outside this profile.
BII17	Multi Party Catalogue	The Multi-party Catalogue profile describes a process providing electronic messaging support for the business process called "sourcing" in the post-awarding phase of public procurement. The key aspects covered by this profile are: - To enable a Contracting authority to request catalogue information for one or many Suppliers for a particular item or item group. - To enable a Catalogue Provider to provide such information in a single document (one request will result in one catalogue being provided). Generally the Catalogue Provider is a repository that has compiled catalogue information from several suppliers.
BII18	Punch Out	This profile describes a process where a Customer access a website and receives a quote back to his own system (e.g. a public purchasing portal) for further processing, e.g. in the shopping basket. This will typically happens synchronically but could as well be sent asynchrony. It is not the purpose to standardize the entire punch out process, e.g. how to validate the user who accesses the web site. In the document, Punch Out is seen as a context within a document exchange is performed. The protocol of how the documents are exchanges is seen out of scope. The Quotation is chosen as transport message because, unlike the Catalogue, it contains quantity and the price is always concrete and binding.
BII20	Customer Initiated Sourcing	This profile describes a process where a Customer sends a Quote Request to a potential Supplier. The potential Supplier responds with a Quote that can be used in the ordering phase. The Customer does not need to base the request on a catalogue from the Supplier. Despite the catalogue the Quote contains a quantity and price that is always concrete and binding.

5.2.1 Profiles and their Business Collaborations

The following figure illustrates the relationship between the profiles related to sourcing and their business collaborations.

5.3 Ordering, fulfilment and billing

The profiles developed in support of ordering, fulfilment and billing are (see also annex C):

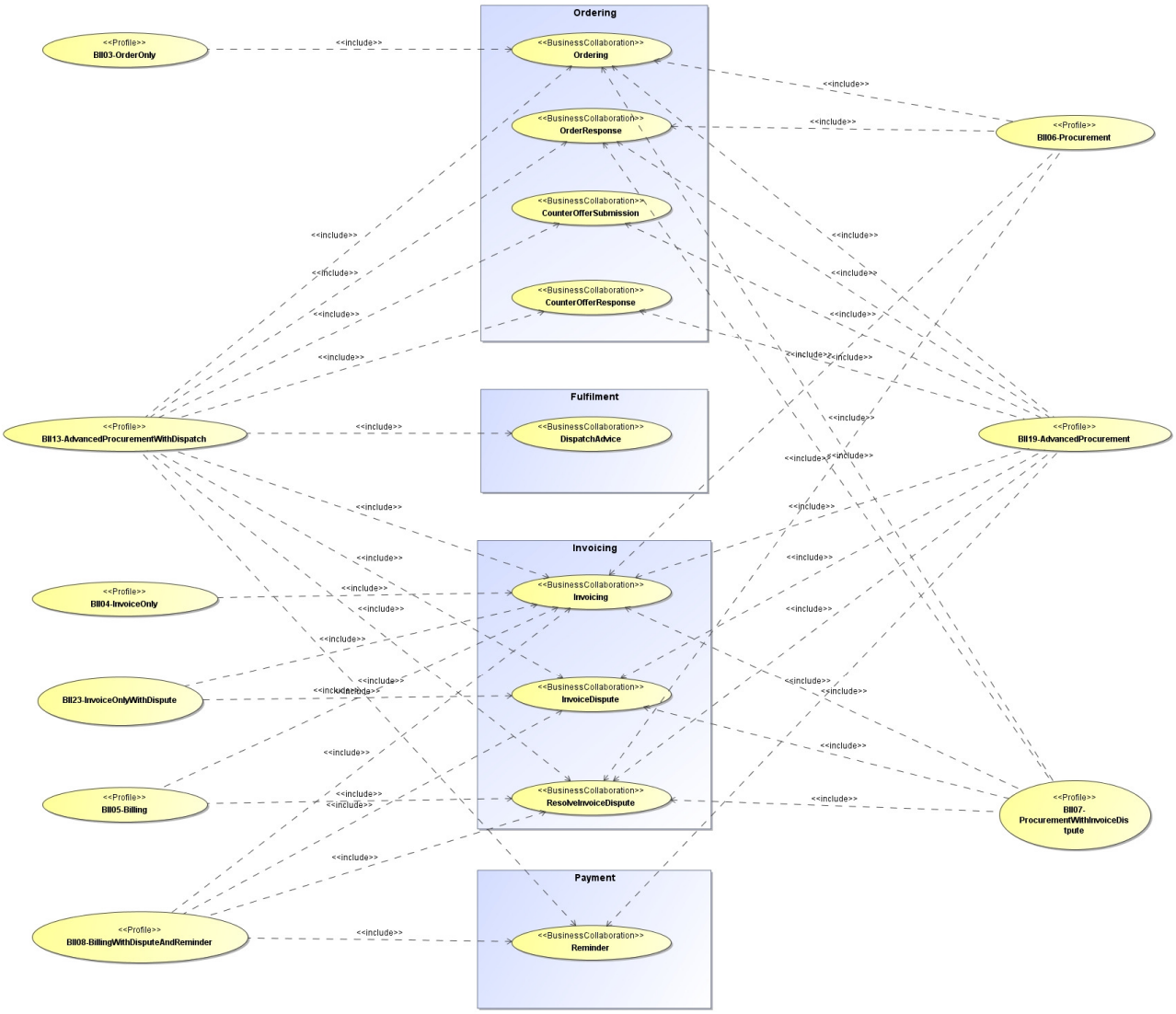
Profile		**Purpose of the profile**
BII03	Order only	This profile describes a process comprising only an electronic (purchase) Order. It allows for electronic ordering of goods and services/services that are standardized as well as those that are non-standard or not easily described in catalogues. The Order may contain items (goods or services) with item identifiers and/or items identified by name/description. Because of this, the internal processes for transaction handling at the Supplier may require manual intervention. This process is intended to result in acceptance or rejection of the Order, but such responses are external. This profile can be used with no or little integration to ERP systems.
BII04	Invoice Only	This profile describes a process comprising only a supplier initiated electronic Invoice. It is intended to support use cases where the invoicing is electronic but where automation of matching it to other documents is not required. The Invoice is a self-contained document with respect to commercial and fiscal requirements. It is not a primary objective of this profile to facilitate automatic order matching and/or cost allocation; the profile assumes limited or no procurement data content and limited or no aligned and synchronized identifiers in the system to match the transaction. This profile may cover Invoice factoring arrangements but is not designed for self billing.
BII05	Billing	This profile describes a process comprising an electronic Invoice and, potentially, an electronic Credit Note. It is intended for situations where invoicing is electronic but where matching of the Invoice to other electronic documents may not be practical. The Invoice and Credit Note are self-contained documents with respect to commercial and fiscal requirements. Billing anomalies are notified externally and then resolved by the issuing of a Credit Note and/or a Corrective Invoice. It is not a primary objective of this profile to facilitate automatic Order-Invoice matching and/or cost allocation; the profile assumes limited or no procurement data content and limited or no aligned and synchronized identifiers in the system to match the transaction. Large parts of the Invoice may be expressed as text rather than identifiers and codes e.g. the Invoice may contain items (goods or services) with item identifiers as well as items with free text description. This profile may cover Invoice factoring arrangements. This profile can be used with no or little integration to ERP systems.
BII06	Procurement	This profile describes a process comprising an electronic (purchase) Order, an electronic Order Response, an electronic Invoice, and, potentially, an electronic Credit Note. Billing anomalies are resolved by the issuing of a Credit Note or a subsequent Corrective Invoice. The Order may refer to a framework agreement for its terms and conditions; otherwise the Customer's terms and conditions apply. The Order may contain items (goods or services) with item identifiers and items with free text description. Acceptance or

Profile		Purpose of the profile
		rejection of the Order in full is communicated by the Supplier to the Customer in an Order Response. Following purchase and delivery, the Supplier sends the Customer an Invoice that makes reference to the Order. Invoice disputes may be resolved by way of a Credit Note, a Corrective Invoice or by providing additional supporting documents. Notification of dispute is external. This profile may cover invoice factoring arrangements.
BII07	Procurement with invoice distpute	This profile describes a process comprising an electronic (purchase) Order, an electronic Order Response, an electronic Invoice, an electronic Invoice Dispute and, potentially, an electronic Credit Note. The Order may contain items (goods or services) specified with item identifiers and items with free text description. Acceptance or rejection of the Order in full is communicated by the Supplier to the Customer in an Order Response. Following purchase and delivery, the Supplier sends the Customer an Invoice that makes reference to the original Order. Rejection of the Invoice is communicated by the Customer to the Supplier in an electronic Invoice Dispute. Billing anomalies are resolved by the issuing of a Credit Note, a Corrective Invoice or by providing additional supporting documents. This profile may cover invoice factoring arrangements.
BII08	Billing with dispute and reminder	This profile describes a process comprising an electronic invoice and, potentially, an electronic dispute and an electronic credit note. It is intended for situations where invoicing is electronic but where matching of the invoice to other electronic documents may not be practicable. The invoice and credit note are self-contained documents with respect to commercial and fiscal requirements. It is not a primary objective of this profile to facilitate automatic order matching and/or cost allocation; the profile assumes limited or no procurement data content and limited or no aligned and synchronized identifiers in the system to match the transaction. Large parts of the invoice may be expressed as text rather than identifiers and codes e.g. the invoice may contain items (goods or services) with item identifiers and items with free text description. This profile can be used with no or little integration to ERP systems. It may be introduced with minimal advance exchange agreement if coding schemes are not used. This profile may cover invoice factoring arrangements.
BII13	Advanced Procurement with Dispatch	The Advanced Procurement with dispatch profile describes a process providing electronic messaging support for the business processes of ordering, fulfilment, billing and payment. It is intended for use by businesses with a requirement for matching of order, dispatch and invoice at line level.
BII19	Advanced Procurement	The Advanced Procurement profile describes a process providing electronic messaging support for the business processes of advanced ordering and billing. It is intended for use by businesses with a requirement for matching of order, dispatch and invoice at line level.
BII23	Invoice only with dispute	This profile describes a process comprising the sending of a simple electronic Invoice and the subsequent business response.

Profile		Purpose of the profile
		It is intended for situations where invoicing is electronic but where matching of the Invoice to other electronic documents is not required. The Invoice is a self-contained document with respect to commercial and fiscal requirements. This profile may cover Invoice factoring and various third party Invoicing handling arrangements. This profile aims at facilitating the Invoice processing by the backend systems (such as an ERP system) of the Purchasing authority. This profile can also be used with little or no integration with backend systems. However, integration with the accounting (backend) system should enable a higher reduction of management costs. This profile does not cover the Invoice dispute resolution.

5.3.1 Profiles and their Business Collaborations

The following figure illustrates the relationship between the profiles related to ordering, fulfilment and billing, and their business collaborations.



6 Special business functions

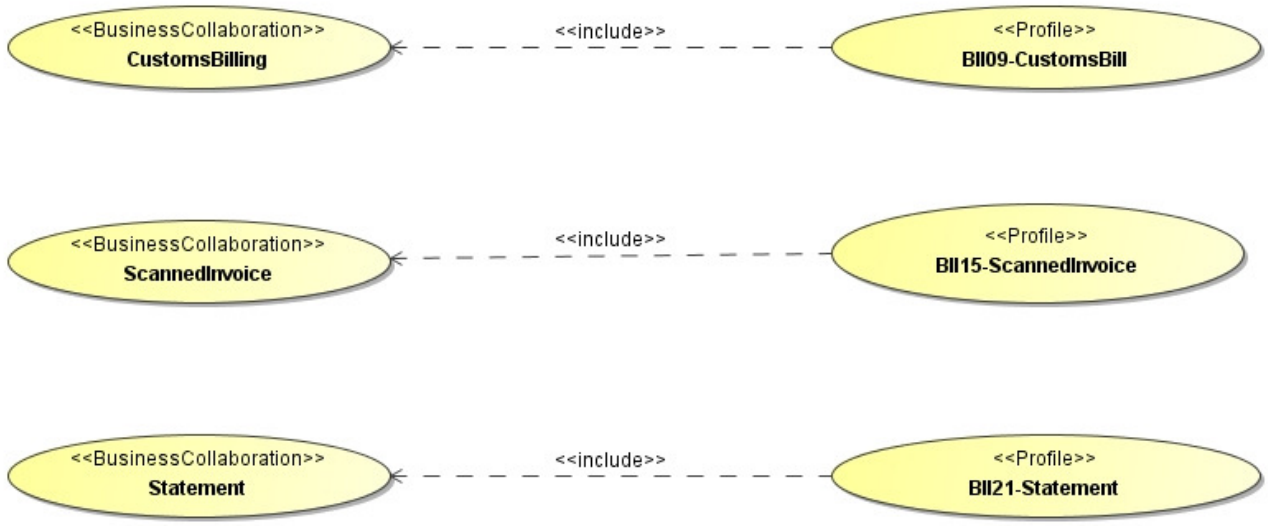
6.1 General

The main aim of CEN ISSS WS/BII has been to provide electronic messaging support for public procurement. However some profiles have also been developed in order to provide support for related business processes (see also annex C).

Profile		**Purpose of the profile**
BII09	Customs Bill	This profile describes a process comprising an electronic Customs Bill and potentially an electronic Credit Note. It is intended for electronic Invoicing of Customs Bill where matching of the content to other electronic documents may not be practicable. The Customs Bill and Credit Note are self-contained documents with respect to commercial and fiscal requirements. Billing anomalies are resolved by the issuing of a re-taxing declaration. It is not a primary objective of this profile to facilitate automatic declaration for import/export. Automatic cost allocation can although be done by reference specified in declaration. This profile can be used with little or no integration to ERP systems. It may be introduced with minimal advance exchange agreement if coding schemes are not used.
BII15	Scanned invoice	The Scanned Invoice profile describes a process providing electronic message support for the transfer of scanned information related to Invoices and Credit Notes. The format is designed to support scanning and interpretation of paper based invoices in a cost effective way. It provides the possibility for the supplier to issue an ordinary paper invoice and though a scanning process the Customer can convert this document to an electronic version containing a graphical image and a supplementary structured electronic document containing selected interpreted values. This gives the Customer the opportunity to implement more cost effective solutions for handling and processing invoices. The scanning process can be handled by the customer or by 3rd party service providers. It is not a primary objective of this profile to facilitate automatic order matching and/or cost allocation; the profile assumes limited or no procurement data content and limited or no aligned and synchronized identifiers in the system to match the transaction. This profile can be used with no or little integration to ERP systems. It may be introduced with minimum advance exchange agreement if coding schemes are not used. This profile may be used to handle Invoice factoring arrangements.
BII21	Statement	This profile is meant to give the Customer an overview of the billing documents issued between two Business Partners. A Statement process cannot replace a billing process since a statement document is not a legal document. The statement process is mainly relevant when many billing documents are exchanged and can be used in combination with an Invoice referring to the statement. For reminding purpose a reminder should be used.

6.2 Profiles and their Business Collaborations

The following figure illustrates the relationship between the profiles and their business collaborations.



7 Support profiles

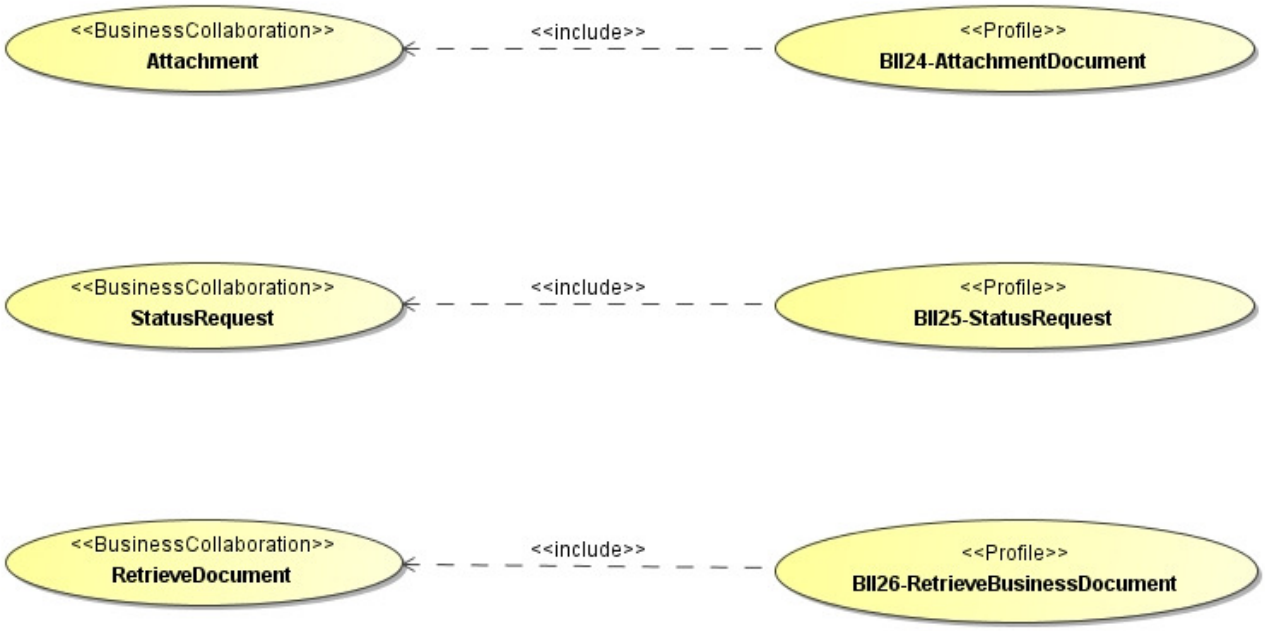
7.1 General

It is recognised that the profiles developed within CEN ISSS WS/BII will be used in different technical environments. To facilitate widest possible use the following support functions have been developed (see also annex C):

Profile		**Purpose of the profile**
BII24	Attached Document	This profile describes a process comprising the sending of an electronic Attachment and the subsequent business Application Response. This is a support profile intended for the submission of supporting documents (a.k.a attachments) to a parent business document, such as an electronic Invoice, via electronic means. The basic Attached Document profile does not have a purpose in itself. Its goal is ensuring the completeness of its parent business document. This is best illustrated with an example. Let's say that an electronic Invoice is submitted without having all the supporting documents required for its approval, there are multiple reasons for this to happen. By using this profile the missing supporting documents to the Invoice can be submitted, via electronic means, avoiding the dispute process. This applies to situations where the parent document is electronic.
BII25	Status Request	This profile describes a process comprising the Status Request of a business document and the subsequent Status Response. This is a support profile enabling the request, via electronic means, of a business document status such as an electronic Invoice submitted to an external party application. This profile does not have a purpose in itself. Its goal is to enable the querying of a business document status. In simple terms, the status requester has submitted a business document (to an external party) and wants to know the status of its processing. This is best illustrated with an example. Let's say that an electronic Invoice is submitted by a Supplier to its Customer in moment T. By using this profile, the Supplier is able to query the status of the Invoice processing in moment T+1. This applies to situations where the queried business document is electronic.
BII26	Retrieve Business Document	This profile describes a process comprising the Retrieval of a business document and the subsequent Retrieval Response. This is a support profile enabling the retrieval, via electronic means, of a business document such as an electronic Application Response. This profile does not have a purpose in itself. Its goal is to enable the retrieval of business documents. In simple terms, the retrieve business document requester has submitted a business document (to an external party) and wants to pull the response of its processing. This is best illustrated with an example. Let's say that an electronic Invoice is submitted by a Supplier to its Customer in moment T. By using this profile, the Supplier is able to retrieve the Application Response of the Invoice processing in moment T+1. This applies to situations where the retrieved business document is electronic.

7.2 Profiles and their Business Collaborations

The following figure illustrates the relationship between the profiles and their business collaborations.



8 Annex

8.1 Annex A (normative): Glossary

The document titled “BII Glossary”, made available at http://spec.cenbii.eu/indexWG1.html, provides definitions for key terms used within this CWA.

8.2 Annex B (normative): Profile architecture

The document titled “Profile Architecture”, made available at http://spec.cenbii.eu/indexWG1.html, is developed in order to define and describe the architecture applied as the basis for the development and specification of profiles by CEN/ISSS WS/BII.

8.3 Annex C (normative): Profiles and transaction data models

The complete specification of the individual profiles and transaction data models references in this CWA are made available at http://spec.cenbii.eu/indexWG1.html. Even though published separately they are considered as normative parts of this CWA.
The list of available Profiles and transaction data models is provided in the following pages.
Note: It should be noted that the html-version of the transaction data models are provided for information purposes only, and are not considered a normative part of this CWA. The Excel representation of the data models is the normative one.

Group	Profile	Collaborations - Transactions	Core data model	Full data model
Publication	**BII14 - Prior Information Notice**			
		PriorInformationNotification BiiColl018		
		- NotifyPriorInformationNotice	BiiCoreTrdm034 - xls - htm	BiiFullTrdm034 - xls - htm
		- ConfirmPriorInformationNoticePublication	BiiCoreTrdm035 - xls - htm	BiiFullTrdm035 - xls - htm
		- RejectPriorInfomationNoticePublication	BiiCoreTrdm036 - xls - htm	BiiFullTrdm036 - xls - htm
	BII10 - Tender Notification			
		ContractNotification BiiColl019		
		- NotifyContractNotice	BiiCoreTrdm037 - xls - htm	BiiFullTrdm037 - xls - htm
		- ConfirmContractNoticePublication	BiiCoreTrdm038 - xls - htm	BiiFullTrdm038 - xls - htm
		- RejectContractNoticePublication	BiiCoreTrdm039 - xls - htm	BiiFullTrdm039 - xls - htm
		ContractAwardNotification BiiColl023		
		- NotifyContractAwardNotice	BiiCoreTrdm046 - xls - htm	BiiFullTrdm046 - xls - htm
		- ConfirmContracAwardNoticePublication	BiiCoreTrdm047 - xls - htm	BiiFullTrdm047 - xls - htm
		- RejectContractAwardNoticePublication	BiiCoreTrdm048 - xls - htm	BiiFullTrdm048 - xls - htm
Tendering	**BII11 - Qualification**			
		Qualification BiiColl021		
		- ProvideQualification	Not used	BiiFullTrdm041 - xls - htm
		- RejectQualification	Not used	BiiFullTrdm042 - xls - htm
		- AcceptQualification	Not used	BiiFullTrdm043 - xls - htm
	BII22 - Call for Tender			
		CallForTender BiiColl020		
		- ProvideCallForTender	Not used	BiiFullTrdm040 - xls - htm
	BII12 - Tendering Simple			
		TenderSubmission BiiColl022		
		- SubmitTender	Not used	BiiFullTrdm044 - xls - htm
		- NotifyTenderReception	Not used	BiiFullTrdm045 - xls - htm
Soucing	**BII01 - Catalogue only**			
		CatalogueSubmission BiiColl009		
		- SubmitCatalogue	BiiCoreTrdm019 - xls - htm	BiiFullTrdm019 - xls - htm
		- AcceptCatalogue	BiiCoreTrdm057 - xls - htm	BiiFullTrdm057 - xls - htm

		- RejectCatalogue	BiiCoreTrdm058 - xls - htm	BiiFullTrdm058 - xls - htm
	BII02 - Catalogue update			
		CatalogueItemUpdate BiiColl010		
		- SubmitCatalogueItemUpdate	BiiCoreTrdm020 - xls - htm	BiiFullTrdm020 - xls - htm
		- RejectCatalogueItemUpdate	BiiCoreTrdm059 - xls - htm	BiiFullTrdm059 - xls - htm
		- AcceptCatalogueItemUpdate	BiiCoreTrdm060 - xls - htm	BiiFullTrdm060 - xls - htm
		CataloguePriceUpdate BiiColl011		
		- SubmitCataloguePriceUpdate	BiiCoreTrdm021 - xls - htm	BiiFullTrdm021 - xls - htm
		- RejectCataloguePriceUpdate	BiiCoreTrdm061 - xls - htm	BiiFullTrdm061 - xls - htm
		- AcceptCataloguePriceUpdate	BiiCoreTrdm062 - xls - htm	BiiFullTrdm062 - xls - htm
	BII16 - Catalogue deletion			
		CatalogueDelete BiiColl012		
		- RequestCatalogueDelete	BiiCoreTrdm022 - xls - htm	BiiFullTrdm022 - xls - htm
		- ConfirmCatalogueDelete	BiiCoreTrdm023 - xls - htm	BiiFullTrdm023 - xls - htm
	BII17 - Multi party catalogue			
		RequestCatalogue BiiColl08		
		- SendCatalogueRequest	BiiCoreTrdm018 - xls - htm	BiiFullTrdm018 - xls - htm
		- RejectCatalogueRequest	BiiCoreTrdm055 - xls - htm	BiiFullTrdm055 - xls - htm
		MultiPartyCatalogue BiiColl026		
		- MultiPartyCatalogue	BiiCoreTrdm054 - xls - htm	BiiFullTrdm054 - xls - htm
	BII18 - Punch-out			
		QuoteSubmission BiiColl027		
		- ProvideQuote	BiiCoreTrdm056 - xls - htm	BiiFullTrdm056 - xls - htm
	BII20 - Coustomer Initiated Sourcing			
		QuoteRequest BiiColl013		
		- RequestQuote	BiiCoreTrdm024 - xls - htm	BiiFullTrdm024 - xls - htm
		- RejectQuoteRequest	BiiCoreTrdm025 - xls - htm	BiiFullTrdm025 - xls - htm
		QuoteSubmission BiiColl027		
		- ProvideQuote	BiiCoreTrdm056 - xls - htm	BiiFullTrdm056 - xls - htm
Ordering and billing	**BII03 - Basic Order Only**			
		Ordering BiiColl001		
		- SubmitOrder	BiiCoreTrdm001 - xls - htm	BiiFullTrdm001 - xls - htm
	BII04 - Basic Invoice only			

	Invoicing BiiColl004		
	- SubmitInvoice	BiiCoreTrdm010 - xls - htm	BiiFullTrdm010 - xls - htm
BII23 - Invoice only with Dispute			
	Invoicing BiiColl004		
	- SubmitInvoice	BiiCoreTrdm010 - xls - htm	BiiFullTrdm010 - xls - htm
	InvoiceDispute BiiColl029		
	- InvoiceDispute	BiiCoreTrdm013 - xls - htm	BiiFullTrdm013 - xls - htm
BII05 - Billing			
	Invoicing BiiColl004		
	- SubmitInvoice	BiiCoreTrdm010 - xls - htm	BiiFullTrdm010 - xls - htm
	BiiColl005 ResolveInvoiceDispute collaboration		
	- CorrectWithCredit	BiiCoreTrdm014 - xls - htm	BiiFullTrdm014 - xls - htm
	- CorrectWithDebit	BiiCoreTrdm015 - xls - htm	BiiFullTrdm015 - xls - htm
BII06 - Procurement			
	Ordering BiiColl001		
	- SubmitOrder	BiiCoreTrdm001 - xls - htm	BiiFullTrdm001 - xls - htm
	OrderResponse BiiColl003		
	- RejectOrder	BiiCoreTrdm002 - xls - htm	BiiFullTrdm002 - xls - htm
	- AcceptOrder	BiiCoreTrdm003 - xls - htm	BiiFullTrdm003 - xls - htm
	Invoicing BiiColl004		
	- SubmitInvoice	BiiCoreTrdm010 - xls - htm	BiiFullTrdm010 - xls - htm
	ResolveInvoiceDispute BiiColl005		
	- CorrectWithCredit	BiiCoreTrdm014 - xls - htm	BiiFullTrdm014 - xls - htm
	- CorrectWithDebit	BiiCoreTrdm015 - xls - htm	BiiFullTrdm015 - xls - htm
BII07 - Procurement with Invoice dispute			
	Ordering BiiColl001		
	- SubmitOrder	BiiCoreTrdm001 - xls - htm	BiiFullTrdm001 - xls - htm
	OrderResponse BiiColl003		
	- RejectOrder	BiiCoreTrdm002 - xls - htm	BiiFullTrdm002 - xls - htm
	- AcceptOrder	BiiCoreTrdm003 - xls - htm	BiiFullTrdm003 - xls - htm
	Invoicing BiiColl004		

	- SubmitInvoice	BiiCoreTrdm010 - xls - htm	BiiFullTrdm010 - xls - htm
	InvoiceDispute BiiColl029		
	- InvoiceDispute	BiiCoreTrdm013 - xls - htm	BiiFullTrdm013 - xls - htm
	ResolveInvoiceDispute BiiColl005		
	- CorrectWithCredit	BiiCoreTrdm014 - xls - htm	BiiFullTrdm014 - xls - htm
	- CorrectWithDebit	BiiCoreTrdm015 - xls - htm	BiiFullTrdm015 - xls - htm
BII08 - Billing with dispute and reminder			
	Invoicing BiiColl004		
	- SubmitInvoice	BiiCoreTrdm010 - xls - htm	BiiFullTrdm010 - xls - htm
	InvoiceDispute BiiColl029		
	- DisputeInvoice	BiiCoreTrdm013 - xls - htm	BiiFullTrdm013 - xls - htm
	ResolveInvoiceDispute BiiColl005		
	- CorrectWithCredit	BiiCoreTrdm014 - xls - htm	BiiFullTrdm014 - xls - htm
	- CorrectWithDebit	BiiCoreTrdm015 - xls - htm	BiiFullTrdm015 - xls - htm
	Reminder BiiColl007		
	- IssueReminder	BiiCoreTrdm017 - xls - htm	BiiFullTrdm017 - xls - htm
BII13 - Advanced Procurement with dispatch			
	Ordering BiiColl001		
	- SubmitOrder	BiiCoreTrdm001 - xls - htm	BiiFullTrdm001 - xls - htm
	OrderResponse BiiColl003		
	- RejectOrder	BiiCoreTrdm002 - xls - htm	BiiFullTrdm002 - xls - htm
	- AcceptOrder	BiiCoreTrdm003 - xls - htm	BiiFullTrdm003 - xls - htm
	CounterOfferSubmission BiiColl002		
	- SubmitCounterOffer	BiiCoreTrdm004 - xls - htm	BiiFullTrdm004 - xls - htm
	CounterOfferResponse BiiColl028		
	- RejectCounterOffer	BiiCoreTrdm005 - xls - htm	BiiFullTrdm005 - xls - htm
	- AcceptCounterOffer	BiiCoreTrdm006 - xls - htm	BiiFullTrdm006 - xls - htm
	DispatchAdvice BiiColl006		
	- ProvideDispatchAdvice	BiiCoreTrdm016 - xls - htm	BiiFullTrdm016 - xls - htm
	Invoicing BiiColl004		
	- SubmitInvoice	BiiCoreTrdm010 - xls - htm	BiiFullTrdm010 - xls - htm
	InvoiceDispute BiiColl029		
	- DisputeInvoice	BiiCoreTrdm013 - xls - htm	BiiFullTrdm013 - xls - htm

		ResolveInvoiceDispute BiiColl005		
		- CorrectWithCredit	BiiCoreTrdm014 - xls - htm	BiiFullTrdm014 - xls - htm
		- CorrectWithDebit	BiiCoreTrdm015 - xls - htm	BiiFullTrdm015 - xls - htm
		Reminder BiiColl007		
		- IssueReminder	BiiCoreTrdm017 - xls - htm	BiiFullTrdm017 - xls - htm
	BII15 - Scanned Invoice			
		ScannedInvoice BiiColl031		
		- ScannedInvoice	BiiCoreTrdm052 - xls - htm	BiiFullTrdm052 - xls - htm
		- ScannedCreditNote	BiiCoreTrdm053 - xls - htm	BiiFullTrdm053 - xls - htm
		- RequestRescan	BiiCoreTrdm063 - xls - htm	BiiFullTrdm063 - xls - htm
	BII19 - Advanced Procurement			
		Ordering BiiColl001		
		- SubmitOrder	BiiCoreTrdm001 - xls - htm	BiiFullTrdm001 - xls - htm
		OrderResponse BiiColl003		
		- RejectOrder	BiiCoreTrdm002 - xls - htm	BiiFullTrdm002 - xls - htm
		- AcceptOrder	BiiCoreTrdm003 - xls - htm	BiiFullTrdm003 - xls - htm
		CounterOfferSubmission BiiColl002		
		- SubmitCounterOffer	BiiCoreTrdm004 - xls - htm	BiiFullTrdm004 - xls - htm
		CounterOfferResponse BiiColl028		
		- RejectCounterOffer	BiiCoreTrdm005 - xls - htm	BiiFullTrdm005 - xls - htm
		- AcceptCounterOffer	BiiCoreTrdm006 - xls - htm	BiiFullTrdm006 - xls - htm
		Invoicing BiiColl004		
		- SubmitInvoice	BiiCoreTrdm010 - xls - htm	BiiFullTrdm010 - xls - htm
		InvoiceDispute BiiColl029		
		- DisputeInvoice	BiiCoreTrdm013 - xls - htm	BiiFullTrdm013 - xls - htm
		ResolveInvoiceDispute BiiColl005		
		- CorrectWithCredit	BiiCoreTrdm014 - xls - htm	BiiFullTrdm014 - xls - htm
		- CorrectWithDebit	BiiCoreTrdm015 - xls - htm	BiiFullTrdm015 - xls - htm
		Reminder BiiColl007		
		- IssueReminder	BiiCoreTrdm017 - xls - htm	BiiFullTrdm017 - xls - htm
Support	**BII09 - Customs Bill**			
		CustomsBilling BiiColl030		
		- CustomsBill	BiiCoreTrdm007 - xls - htm	BiiFullTrdm007 - xls - htm

		- CustomsCreditNote	BiiCoreTrdm008 - xls - htm	BiiFullTrdm008 - xls - htm
		- CustomsCorrectiveBill	BiiCoreTrdm009 - xls - htm	BiiFullTrdm009 - xls - htm
	BII21 - Statement			
		Statement BiiColl014		
		- ProvideStatement	BiiCoreTrdm026 - xls - htm	BiiFullTrdm026 - xls - htm
		- RejectStatement	BiiCoreTrdm051 - xls - htm	BiiFullTrdm051 - xls - htm
	BII24 - Attached Document			
		Attachment BiiColl017		
		- SubmitAttachedDocument	Not used	BiiFullTrdm033 - xls - htm
		- AcceptAttachedDocument	Not used	BiiFullTrdm030 - xls - htm
		- RejectAttachedDocument	Not used	BiiFullTrdm032 - xls - htm
	BII25 - Status Request			
		StatusRequest BiiColl15		
		- StatusRequest	Not used	BiiFullTrdm027 - xls - htm
		- StatusResponse	Not used	BiiFullTrdm029 - xls - htm
	BII26 - Retrieve Business Document			
		RetrieveDocument BiiColl16		
		- RetrieveRequest	Not used	BiiFullTrdm031 - xls - htm
		- RetrieveResponse	Not used	BiiFullTrdm028 - xls - htm