UN/CEFACT

SIMPLE, TRANSPARENT AND EFFECTIVE PROCESSES
FOR GLOBAL BUSINESS

Business Requirement Specifications (BRS)

Business Domain: Accounting

Business Process: Bundle Collection

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Log of Changes

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1.0	06.2010	TBG12	Submission to TBG Steering
1.1	2010-09-16	TBG12	Internal revision
1.2	2010-09-29	TBG12	Internal revision

CONTENT

1.   Preamble

Accounting technique accompanies the business background for more than five centuries when Luca Pacioli, a Venetian monk, first published in 1494 the guidance of double entry bookeeping in his *Summa* (*Summa de arithmetica, geometria, proportioni et proportionalita*), in which he gives credit to Benedetto Contrugli (Benedikt "Beno" Kotruljević , who actually wrote the materials in his "LIBRO DE L'ARTE DE LA MERCATURA".

The genuine fundamentals of the accounting business were then postulated. They still are presently entries journalizing and registration into accounts defined beforehand in the list of accounts (also called "chart") used in the enterprise. Different charts of accounts possibly provide accounts identifiers for different accounting sub domains such as budget, financial, cost accounting, etc.

From then onward, a few changes occurred in the very basic practice of debit-credit entries. On the contrary, many happened in the environment of bookkeeping and audit trail in particular from the voucher toward accounts and back from accounts to the document that makes evidence of the entry.

Much more than ever before, the last ten years (the Internet Years) did hit the businesses of both accountant and auditor. EDI first, internet and ebXML now nurture a drastic shift still to achieve in e-business documents efficient liaison with accounting entries collection, accounting books assembly, audit drill down and around and financial reporting.

The deep changes still to achieve with electronic business evolving maturity opens speculations on the revisited relationship of the enterprise's operational activities with accounting process. In particular, standardized content of accounting books offer potentially unexpected software developments for computer assisted audit tools including for medium sized and smaller businesses.

In many respects it is obvious that in the course of its daily duty accounting will have to "deliver more for less effort" as well as other enterprise's departments. Standardized input – output interface of accounting data elements, entries and books will improve productivity of the accounting function, be it either internally incorporated or externalised far away of the business.

Connecting [e-]documents to accounts, both ways.
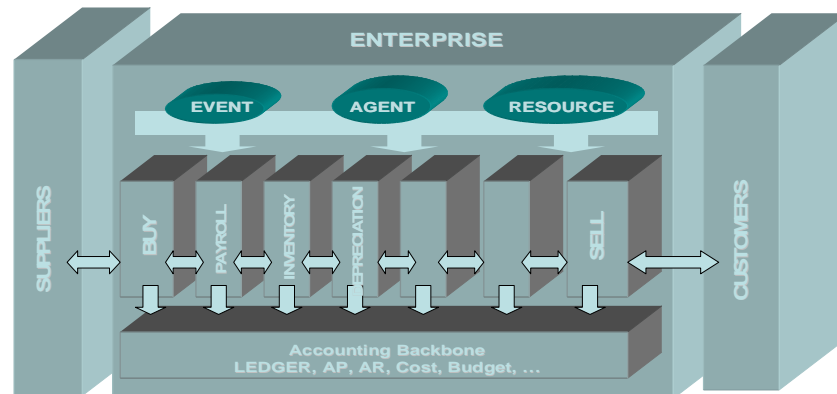
From point to point toward end-to-end

The current practice of exchange of business documents by means of telecommunications – usually defined as e-Business presents a major opportunity to improve the competitiveness of companies, especially for Small and Medium Enterprise (SME) whatever its size can be.

About all the functions within any entity provide input to accounting entries and accounting entries in turn will provide output towards aggregated figures from accounts.

Each individual accounting entry, with standardized tagged elements is the basis for a very powerful tool and from this point on, the [no longer missing] link between e-Business and e-Accounting / WebLedger.

Carrying on an initiative of EDIFICAS Europe, the European Expert Group 11 (EEG11) – Accounting and auditing – started the discovery of elements for accounting entries in 2004. This task was inter alia based upon the ENTREC, CHACCO, INFENT and LEDGER Edifact messages.

The "Accounting Entry" message is a recognized UN-Cefact standard in CCL08B. Accounting Entry message embeds the supporting document e.g. voucher, invoice, bank account statement, etc. For data-processing and accounting reasons, these documents may be detached from the entry to be accessed and archived separately. Bundle Collection enables the management of the aforesaid documents with Accounting Entry message.

The accounting management must also define the accounting archive procedure of the accounting books themselves and linked supporting documents. At the same time, Bundle Collection message opens the combined possibilities of archiving altogether accounting books and supporting or justifying documents in respect for national regulations.

This first version of the Business Requirements Specification (BRS) is presented for comments from the other regions.

After a period of public exposure TBG12 will draft the final version of the BRS addressing comments received and forward for further processing through the UN/CEFACT Forum process with the goal of developing a UN/CEFACT standard Bundle Collection document.

The actual project is open and perhaps should be updated by sectorial specific demands either in a sectorial domain (architecture, engineering, bank, custom, administration, etc.) or national, regional, international standardization (CEN in Europe, ISO).

The purpose of this document is to define globally consistent Bundle Collection processes for the worldwide accounting and auditing domains, using the UN/CEFACT Modelling Methodology (UMM) approach and Unified Modelling Language to describe and detail the business processes and transactions involved.

The structure of this document is based on the structure of the UN/CEFACT Business Requirements Specification (BRS) document reference CEFACT/ICG/005.

2.   References

- United Nations Trade Data Elements Dictionary (UNTDED) – ISO 7372
  http://www.unece.org/cefact/standar/docs/tded.htm
- UN/CEFACT TBG12 Accounting Entry BRS:
  http://www.uncefactforum.org/TBG/TBG12/TBG12%20Documents/BRS%20accounting%20Entry%20v1_2_final.zip
- UN/CEFACT TBG12 Accounting Entry RSM:
  http://www.uncefactforum.org/TBG/TBG12/TBG12%20Documents/RSM%20accounting%20entry%201.0_final.zip
- UN/CEFACT Core Components Library CCL09A
  http://www.unece.org/cefact/codesfortrade/unccl/CCL09A.xls
- UN/CEFACT Accounting Entry Standard (CCL08B Standards)
- UN/CEFACT Modelling Methodology (CEFACT/TMG/N090R10, November 2001
- UN/CEFACT –ebXML Core Components Technical Specifications version 2.01 – ISO 15000-5
- UN/CEFACT Business Requirements Specification version 1.5 (CEFACT/ICG/005)
- TRADE/CEFACT/2008/MISC.1 / *Decision 08-09 ECE/TRADE/C/CEFACT/2008/29/Add.5*
- UN/CEFACT TBG Library 2005-01-25
- UN/EDIFACT – ENTREC message
- Unified Modelling Language (UML version 1.4.2)

3.   Objectives

The objective of this document is to standardize the archiving organization of accounting books and linked supporting documents and, more generally, all that is directly or indirectly concurring to produce the financial results of entities.

Other activities may be interested by this Bundle Collection message: archives must be stored and kept with respect to specific regulations such as 3 a 10 years in accounting, and even 5 a 70 years in health care sector.

The business document consists of a set of Business Information Entities (BIE), which are preferably taken from libraries of reusable business information entities, in particular the Bundle Collection standard. The contents of the business document and the Business Information Entities are presented using class diagrams.

4. Scope

This section describes the extent and limits of the Bundle Collection business process within the chain being described in this document. The class diagram of the Bundle Collection is developed in such a way that it specifies the cross industry reusable business information entities.

It allows the extension of industry specific business information entities such as exchange between accountings, archiving of accountings, audit a posteriori, consolidation and integration in a group, etc.

Categories	Description and Values
Business process	Accounting process, Auditing process, Archiving process
Product Classification	All
Industry Classification	All
Geopolitical	Global
Official Constraint	Generally Admitted Accounting Principles
Business Process Role	Bookkeeper, Accountant, Auditor, Archivist, Third Trusted Party (TTP, escrow)
Supporting Role	None
System Capabilities	No limitations

5. Business Requirements

5.1 Business Domain Environment

The archiving of accounting, the accounting documents and, more generally, all contractual document or not, is a permanent preoccupation of the entity in order to facilitate their reusability. So Bundle Collection covers a domain wider than the accounting information system and joined the entity information system.

5.2 Business Domain view

The Bundle Collection message enables the classification, the conservation and the archiving of the documents of the entity such as invoices, purchase orders, transport orders, delivery, customs documents, documents banking, etc. We allow sending them towards internal services of the entity specialized in the conservation or archiving of documents, or towards external thirds of which it is the trade.

Let us recall that all the documents which contribute directly or indirectly to the formation of accounting loss or profit of an entity are concerned.

Business Area Description	
BUSINESS AREA NAME	Accounting And Audit
DESCRIPTION	Accounting Archiving
SCOPE	Standard Bundle Collection model
PROCESS AREAS	Accounting, Audit, Archiving
OBJECTIVE	Governance of all documents within the framework of conservation or archiving.
BUSINESS OPPORTUNITY	Standard Bundle Collection interface; Computer assisted audit software; Electronic archiving.
CATEGORY	Accountant, Bookkeeper, Accounting / Audit Firm / Income Revenue.
Business Areas	Audit, Accounting, Finance

5.3 Business requirement views

The main functions of accounting are:

- to record financial flow into classical accounting entries into the Journal or auxiliary sub-journals in order to populate books in the accounting system;

- to sort these entries into (sub-)Ledger(s) book(s);

- to aggregate accounts from (sub-)Ledger(s) into Trial Balance book;

- to aggregate Trial Balance book into defined reporting forms;

- **to archive accounting books, entries, supporting documents in a reusable format;**

- to select and extract sample set(s) of entries or entry lines in order to get and deliver truth and fairness assurance;

- **to select the whole accounting records for accounting system migration or archive purposes.**
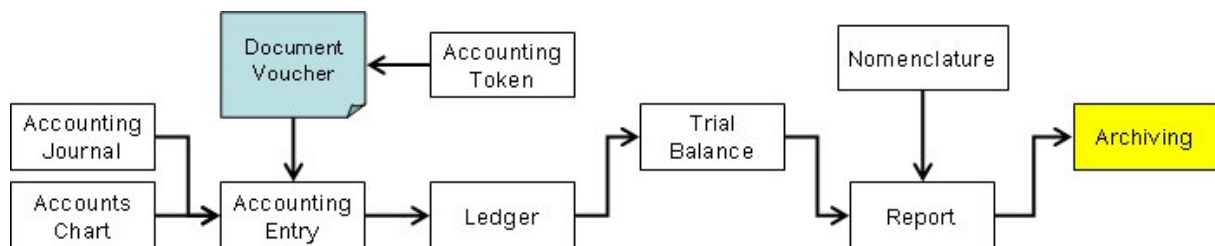
The place of Bundle Collection in the accounting and audit domains

5.4 Business process elaboration – Archiving Business Process

5.4.1 Use Case Archiving Business Process

5.4.1.1 Outsourced Archive Storage Request

The owner of documents to archive requests outsourced location storage at a third trusted party.

Use Case Diagram
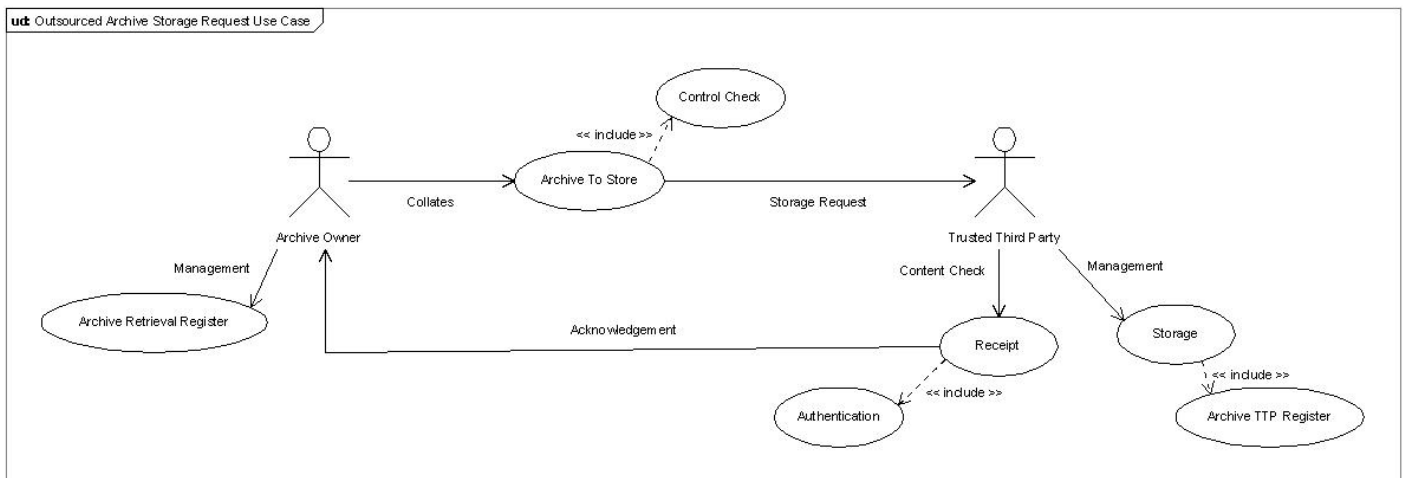
Use case description – Archiving process

BUSINESS PROCESS NAME	Archiving Process
Identifier	Accounting audit
Actors	Archive Owner, Third Trusted Party
Description	The archive owner collates documents and/or books to archive. The set of documents is completed with check information to enable the receiver to verify the content at receipt. The owner sends the batch to a third trusted party (TTP). After authentication and check, the TTP stores and registers the batch, and computes the seal of the batch. Receipt acknowledgement plus the seal information is sent back to the archive owner. The archive owner needs to update his archive register with appropriate information about the seal.
Pre-condition	Archive collated.
Post-conditions	Seal and retrieval information made available by the TTP for the archive owner.
Scenario	Archive owner requests storage at external location (TTP).
Remarks	The process described here can be performed by an auditor with respect to control procedure.

5.4.1.2   Outsourced Archive Return

The owner of documents requires retrieving and getting back outsourced archive from the third trusted party storage location.

Use Case Diagram
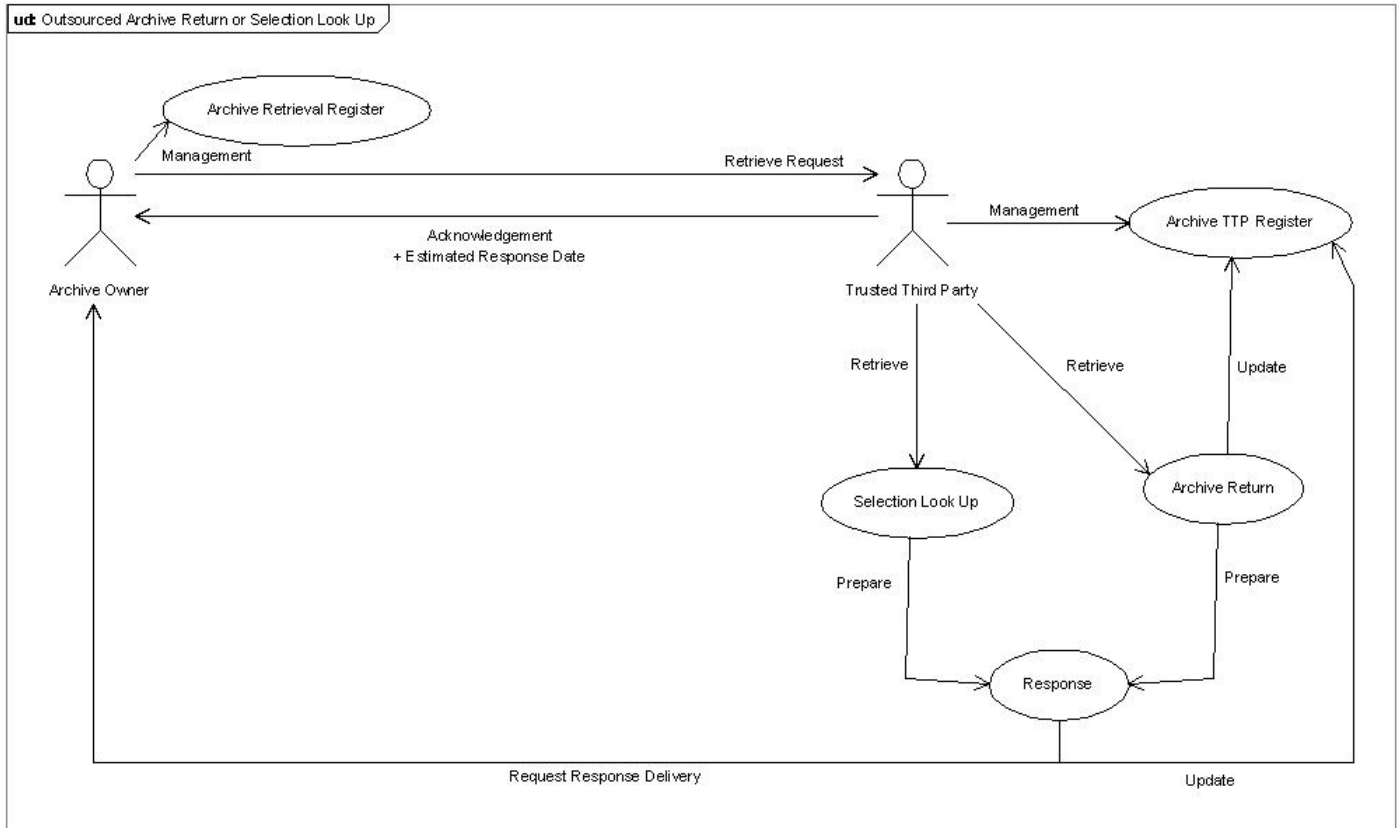
Use case description – Archive retrieval process

BUSINESS PROCESS NAME	Archive retrieval Process
Identifier	Accounting audit
Actors	Archive Owner, Third Trusted Party
Description	The archive owner provides the seal of the batch he wants to get back from TTP. The request determines whether the return of archive is definitive or not. TTP checks the seal, retrieves the batch as requested, sends back to the archive owner and update his register. Archive owner manages his own register in the same way.
Pre-condition	Archive retrieved according to the seal.
Post-conditions	Send back archive retrieved. In case of definitive return, destruction of archives at TTP storage location.
Scenario	Archive owner requests getting back archive from storage at external location (TTP) either for consultation or definitive return.
Remarks	The process described here can be performed by an auditor with respect to control procedure.

5.5 Information flow definition – Audit Business Process

5.5.1 Activity Diagram

5.5.1.1 Outsource Archive at TTP

5.5.1.2 Retrieve outsource Archive at TTP
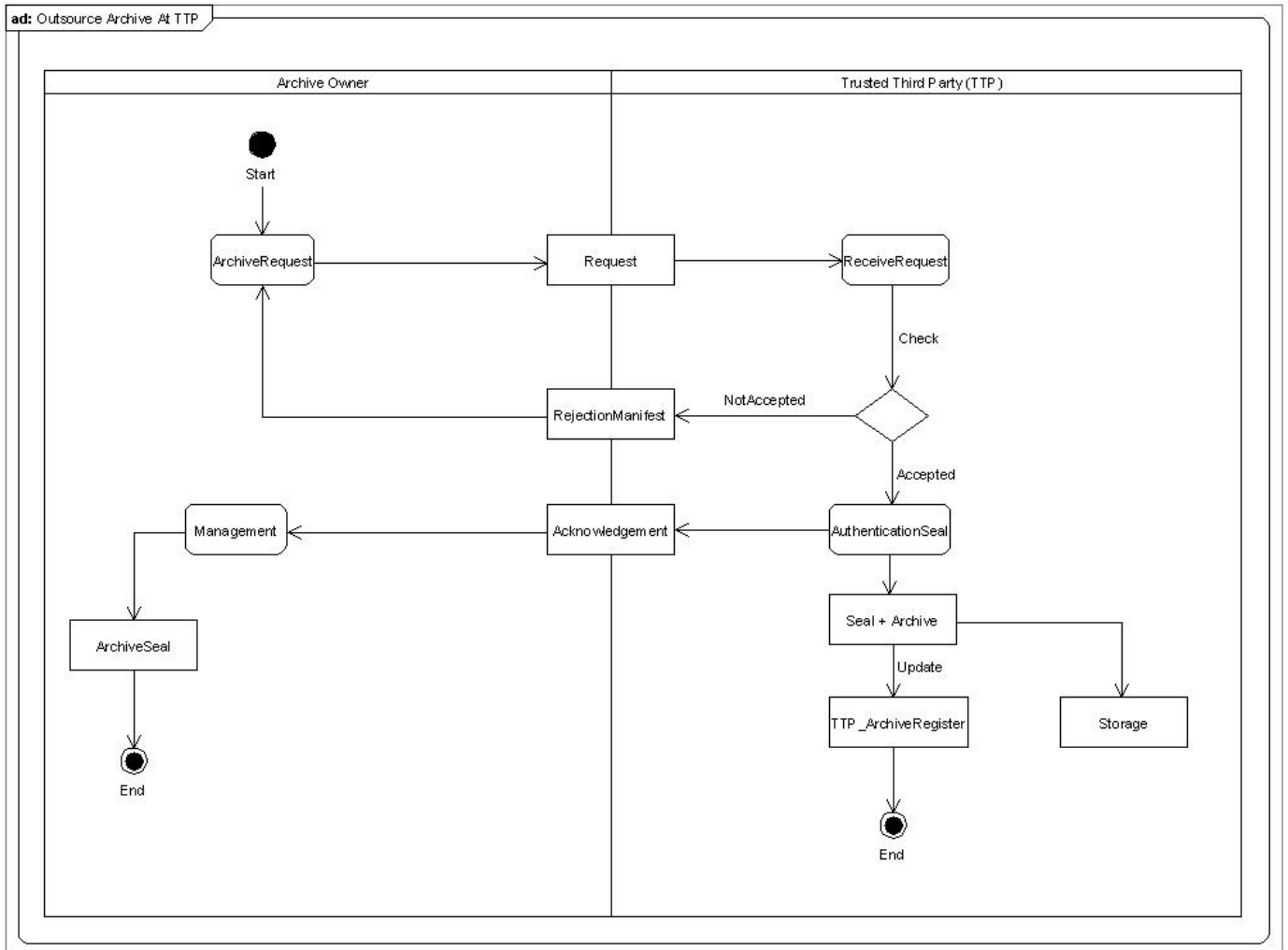
ad: Retrieve Outsource Archive At TTP
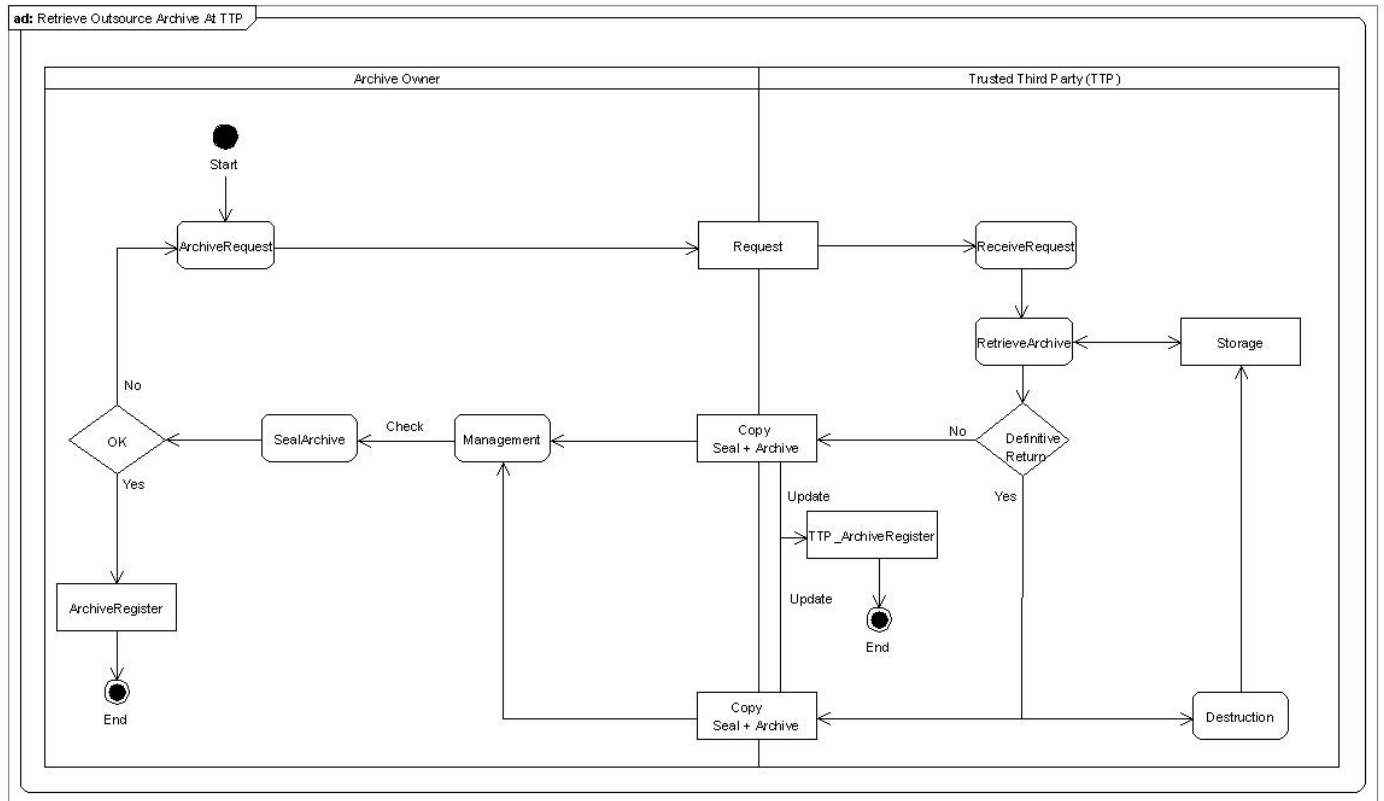
5.6 Information Model Definition – Bundle Collection (class diagram)

5.6.1 Bundle Collection Message

Description: A message that enables the transport of selected documents.

The Bundle Collection message is used for the transport of accounting books and supporting documents. It is also used to get back archived documents.

The entry point of the message is the appropriate ABIE based upon ACC "Bundle Collection. Details"

5.6.2 Conceptual Bundle Collection Data Model

cd: Conceptual Bundle Collection v1.7

<< ACC >> Bundle Collection
+Identification:Identifier[0..1]
+Comment:Text[0..1]
+Archive Agent:Identifier[0..1]
+Archive Agent:Date Time[0..1]
+Archive Owner:Identifier[0..1]
+Archive Owner:Date Time[0..1]

Life Cycle — Signatory — Included

<< ACC >> Authentication
+Actual:Date Time[0..1]
+Identification:Identifier[*]
+Statement:Text[*]
+Information:Text[*]
+Signatory:Text[*]

Agent — Trusted Third Party

<< ACC >> Item Archive Parameter
+Input:Date time[0..1]
+Provisional Destruction:Date Time[0..1]
+Limitation Period:Date Time[0..1]
+Destruction Authorization Level:Identifier[0..1]

Specified + <role> + <role> 1

Input Responsible — Destruction Responsible — Owner

<< ACC >> Document
+Identification:Identifier[*]
+Name:Text[*]
+Purpose:Text[0..1]
+Copy:Indicator[0..1]
+Information:Text[*]
+Authenticated Original:Indicator[0..1]
+Rejection Reason:Text[*]
+Cancellation Reason:Text[*]
+Description:Text[*]
+Status:Code[*]
+Original Required:Quantity[0..1]
+Copy Required:Quantity[0..1]
+Original Issued:Quantity[0..1]
+Copy Issued:Quantity[0..1]
+Revision:Text[*]
+Section Name:Text[*]
+External:Identifier[*]
+Issue:Date Time[0..1]
+Submission:Date Time[0..1]
+Receipt:Date Time[0..1]
+Creation:Date Time[*]
+Response:Date Time[0..1]
+Acceptance:Date Time[0..1]
+Revision:Date Time[*]
+First Version Issue:Date time[0..1]
+Requested:Date Time[0..1]
+Signed:Date Time[0..1]
+Cancellation:Date Time[*]
+Electronic Presentation:Indicator[0..1]
+Multiple Type:Indicator[*]
+Multiple References:Indicator[0..1]
+Disposition:Text[*]
+Page:Identifier[*]
+Total Page:Quantity[0..1]
+Sequence:Identifier[*]
+Type:Code[*]
+Control Requirement:Indicator[0..1]
+Authorization:Text[0..1]
+Checksum:Numeric[0..1]
+Examined:Indicator[0..1]
+Verified:Indicator[*]
+Handwritten:Indicator[0..1]
+Printed:Indicator[0..1]
+Signed:Indicator[0..1]
+Item Identification:Identifier[0..1]
+Remarks:Text[*]
+Language:Identifier[*]
+Currency:Code[*]
+Line Count:Numeric[*]
+Line:Identifier[*]
+Item:Quantity[*]
+Signature Location:Text[*]
+Status:Text[*]
+Included:Amount[*]
+Included:Quantity[*]
+Rejection:Date Time[0..1]

Lodgement — Issue — Contractual — Production — Reference

<< ACC >> Location
+Identification:Identifier[*]
+Name:Text[*]
+Directions:Text[*]
+Description:Text[*]
+District:Identifier[*]
+Country Name:Text[*]
+Country Sub-division Name:Text[*]
+Country:Identifier[*]
+Country Sub-Division:Identifier[0..1]
+Geopolitical Region Name:Text[0..1]
+Country Superordinate:Identifier[0..1]
+UTC Offset:Numeric[0..1]
+Type:Text[*]

<< ACC >> Clause
+Identification:Identifier[*]
+Version:Date Time[*]
+Content:Text[*]
+Breach Explanation:Text[0..1]
+Breach:Indicator[0..1]
+Wording Non Standard:Indicator[0..1]
+Parametric Standard Wording:Indicator[0..1]
+Met:Indicator[0..1]

<< ACC >> Software
+Author Name:Text[*]
+Name:Text[*]
+Version:Identifier[0..1]
+Revision:Identifier[*]
+Update:Date Time[*]

<< ACC >> Certificate
+Identification:Identifier[0..1]
+Type:Code[0..1]
+Software Operating System:Text[0..1]
+Issue:Date Time[0..1]

Provided

<< ACC >> Party
+Identification:Identifier[*]
+Type:Code[*]
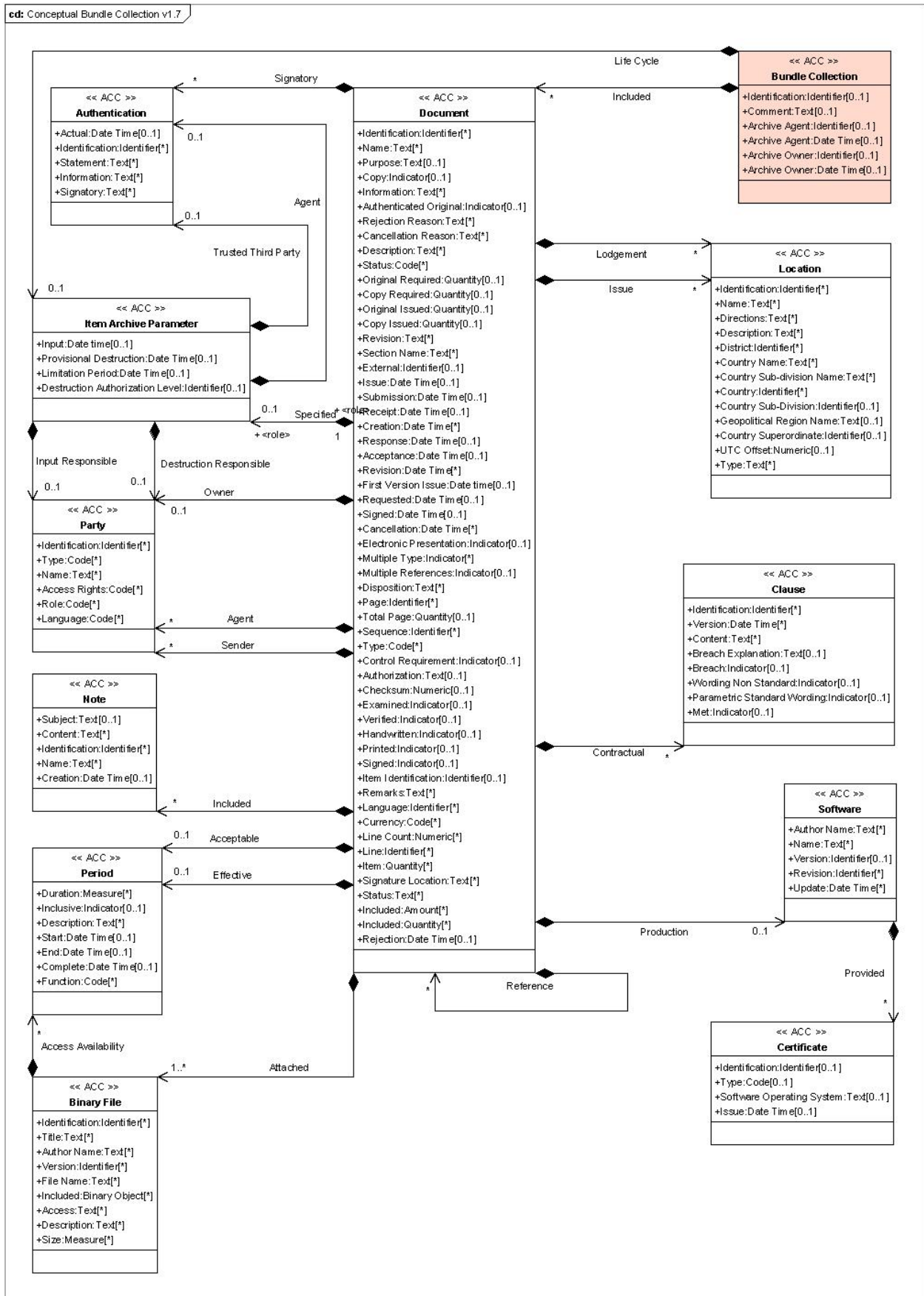+Name:Text[*]
+Access Rights:Code[*]
+Role:Code[*]
+Language:Code[*]

Agent — Sender

<< ACC >> Note
+Subject:Text[0..1]
+Content:Text[*]
+Identification:Identifier[*]
+Name:Text[*]
+Creation:Date Time[0..1]

Included — Acceptable — Effective

<< ACC >> Period
+Duration:Measure[*]
+Inclusive:Indicator[0..1]
+Description:Text[*]
+Start:Date Time[0..1]
+End:Date Time[0..1]
+Complete:Date Time[0..1]
+Function:Code[*]

Access Availability — Attached

<< ACC >> Binary File
+Identification:Identifier[*]
+Title:Text[*]
+Author Name:Text[*]
+Version:Identifier[*]
+File Name:Text[*]
+Included:Binary Object[*]
+Access:Text[*]
+Description:Text[*]
+Size:Measure[*]

6. Business Requirements

6.1 Business rules

The use of Core Components is conditioned with the following rules:

– The ACCs and ASCCs admit in theory an unlimited number of iterations; in practice, we might find most often less than 10 iterations of each.

6.2 Definition of terms

Bundle collection: The bundle is the collection of documents given/received daily by enterprises.

Journal: Journals are a simple system of recording transactions. Journals are also easy to maintain and control. They record transactions over a specified time in DATE ORDER. They reduce the number of entries that need to be made into the ledger, they help prevent errors. All the transactions of one type are summarized into appropriate journals (see http://en.wikipedia.org/wiki/Specialized_journals).

Ledger: A ledger is the principal book for recording transactions
(see http://en.wikipedia.org/wiki/Ledger).

7. BUSINESS INFORMATIONS – BUNDLE COLLECTION MESSAGE

7.1 Bundle collection

UN00004885	ACC	Bundle Collection. Details	Combination of documents and books intended to be stored together in a usable form to conform with regulatory requirements.		
UN00004886	BCC	Bundle Collection. Identification. Identifier	The unique identifier for this bundle collection.	0	1
UN00004887	BCC	Bundle Collection. Comment. Text	The comment, expressed as text, for this bundle collection.	0	1
	BCC	Bundle Collection. Archive Agent. Identifier	The archive identifier given by the agent for this bundle collection.	0	1
	BCC	Bundle Collection. Archive Agent. Date Time	The date, time, date time, or other date time value of the archive agent for this bundle collection.	0	1
	BCC	Bundle Collection. Archive Owner. Identifier	The archive identifier given by the owner for this bundle collection.	0	1
	BCC	Bundle Collection. Archive Owner. Date Time	The date, time, date time, or other date time value of the archive owner for this bundle collection.	0	1
	ASCC	Bundle Collection. Life Cycle. Item Archive Parameter	The item archive parameter for the life cycle of this bundle collection.	0	1
	ASCC	Bundle Collection. Included. Document	A document included into this bundle collection.	0	unbounded

7.2 Document

UN00000309	ACC	Document. Details	A collection of data for a piece of written, printed or electronic matter that provides information or evidence.		
UN00000763	BCC	Document. Multiple Type. Indicator	An indication of whether or not a document is an aggregation of different types of business documents.	0	unbounded
UN00000310	BCC	Document. Identification. Identifier	A unique identifier for this document.	0	unbounded
UN00000311	BCC	Document. Type. Code	A code specifying a type of document [Reference United Nations Code List (UNCL) 1001].	0	unbounded
UN00000312	BCC	Document. Name. Text	A name, expressed as text, for this specific document.	0	unbounded
UN00000313	BCC	Document. Purpose. Text	The purpose, expressed in text, of this document.	0	1
UN00000314	BCC	Document. Description. Text	A textual description of this document.	0	unbounded
UN00000315	BCC	Document. Issue. Date Time	The date, time, date time or other date time value for the issuance of this document.	0	1
UN00000317	BCC	Document. Submission. Date Time	The date, time, date time or other date time value for the formal submission of this document to a receiver by a sender.	0	1
UN00000318	BCC	Document. Receipt. Date Time	The date, time, date time or other date time value for the formal receipt of this document.	0	1
UN00000320	BCC	Document. Control Requirement. Indicator	The indication of whether or not a document has specific control requirements.	0	1
UN00000323	BCC	Document. Creation. Date Time	A date, time, date time or other date time value of a creation of the document.	0	unbounded
UN00000324	BCC	Document. Status. Code	A code specifying a status of a document.	0	unbounded
UN00000847	BCC	Document. Copy. Indicator	The indication of whether or not the document is a copy.	0	1
UN00000846	BCC	Document. Response. Date Time	A date, date time, time or other date time value for a response to this document.	0	unbounded
UN00000768	BCC	Document. Item Identification. Identifier	The unique identifier of a specific item in this document.	0	1
UN00001263	BCC	Document. Remarks. Text	A remark, expressed as text, regarding this document.	0	unbounded

UN00000309	ACC	Document. Details	A collection of data for a piece of written, printed or electronic matter that provides information or evidence.		
UN00001281	BCC	Document. Language. Identifier	A unique identifier for a language used in this document.	0	unbounded
UN00001282	BCC	Document. Currency. Code	A code specifying a currency in which monetary amounts are expressed in this document.	0	unbounded
UN00001283	BCC	Document. Line Count. Numeric	A count of the number of lines in this document.	0	unbounded
UN00001284	BCC	Document. Line. Identifier	A unique identifier of a line in this document.	0	unbounded
UN00001499	BCC	Document. Multiple References. Indicator	The indication of whether or not this document references multiple other documents.	0	1
UN00001522	BCC	Document. Revision. Text	A revision, expressed as text, for this document.	0	unbounded
UN00002652	BCC	Document. Authorization. Text	The authorization, expressed as text, for this document.	0	1
UN00002653	BCC	Document. Checksum. Numeric	The number of the checksum for this document.	0	1
UN00002724	BCC	Document. Item. Quantity	A quantity of items in a document.	0	unbounded
UN00001637	BCC	Document. Acceptance. Date Time	The date, time, date time or other date time value of the acceptance of this document.	0	1
UN00001638	BCC	Document. Original Required. Quantity	The number of originals required for this document.	0	1
UN00001639	BCC	Document. Copy Required. Quantity	The number of copies required for this document.	0	1
UN00001640	BCC	Document. Original Issued. Quantity	The number of originals issued for this document.	0	1
UN00001641	BCC	Document. Copy Issued. Quantity	The number of copies issued for this document.	0	1
UN00001645	BCC	Document. Information. Text	Information, expressed as text, for this document.	0	unbounded
UN00002894	BCC	Document. Authenticated Original. Indicator	The indication of whether or not a document is an authenticated original.	0	1
UN00002895	BCC	Document. Disposition. Text	A disposition, expressed as text, for this document.	0	unbounded
UN00002924	BCC	Document. Electronic Presentation. Indicator	The indication of whether or not a document is presented in an electronic format.	0	1
UN00002925	BCC	Document. Page. Identifier	An identifier of a page in this document.	0	unbounded
UN00002926	BCC	Document. Total Page. Quantity	The total number of pages for this document.	0	1
UN00003190	BCC	Document. Revision. Date Time	A date, time, date time or other date time value for the revision of this document.	0	unbounded
UN00003364	BCC	Document. Rejection Reason. Text	A reason, expressed as text, for the rejection of this document.	0	unbounded
UN00003366	BCC	Document. Cancellation Reason. Text	A reason, expressed as text, for the cancellation of this document.	0	unbounded
UN00004452	BCC	Document. Cancellation. Date Time	A date, time, date time, or other date time value of a cancellation of the document.	0	unbounded
UN00004453	BCC	Document. Sequence. Identifier	A unique identifier for the sequence of this document.	0	unbounded
UN00005004	BCC	Document. Section Name. Text	A section name, expressed as text, for this document.	0	unbounded
UN00005299	BCC	Document. External. Identifier	The unique identifier for this document which is external to the document itself, such as the document reference number on an envelope.	0	1
UN00005300	BCC	Document. First Version Issue. Date Time	The date, time, date time or other date time value when the first version of this document was issued.	0	1
UN00005301	BCC	Document. Examined. Indicator	The indication of whether or not the document has been examined.	0	1
UN00005302	BCC	Document. Verified. Indicator	The indication of whether or not the document has been verified.	0	1
UN00005303	BCC	Document. Handwritten. Indicator	The indication of whether or not this document is handwritten.	0	1
UN00005304	BCC	Document. Printed. Indicator	The indication of whether or not the document is printed.	0	1

UN00000309	ACC	Document. Details	A collection of data for a piece of written, printed or electronic matter that provides information or evidence.		
UN00005305	BCC	Document. Signed. Indicator	The indication of whether or not the document has been signed.	0	1
UN00005306	BCC	Document. Signed. Date Time	The date, time, date time or other date time value that the document was signed.	0	1
UN00005307	BCC	Document. Requested. Date Time	The date, time, date time or other date time value when the document is or was requested.	0	1
UN00006068	BCC	Document. Signature Location. Text	A geographical location, expressed as text, where the document was or will be signed.	0	unbounded
UN00006010	BCC	Document. Status. Text	A status, expressed as text, for this document.	0	unbounded
UN00005857	BCC	Document. Included. Amount	A monetary value included in this document.	0	unbounded
UN00005859	BCC	Document. Included. Quantity	A quantity included in this document.	0	unbounded
UN00005860	BCC	Document. Rejection. Date Time	The date, time, date time, or other date time value of the rejection of this document.	0	1
UN00000325	ASCC	Document. Effective. Period	The period within which this document is effective.	0	1
UN00000326	ASCC	Document. Acceptable. Period	The period within which this document may be accepted.	0	1
UN00000327	ASCC	Document. Reference. Document	Other documents referenced by this document.	0	unbounded
UN00000771	ASCC	Document. Owner. Party	The party that owns this document.	0	1
UN00001647	ASCC	Document. Issue. Location	A location where this document has been or may be issued.	0	unbounded
UN00001648	ASCC	Document. Lodgement. Location	A lodgement location of this document.	0	unbounded
UN00001649	ASCC	Document. Contractual. Clause	A contractual clause of this document.	0	unbounded
UN00001650	ASCC	Document. Signatory. Authentication	A signatory authentication for this document.	0	unbounded
UN00001651	ASCC	Document. Sender. Party	A party that sends this document.	0	unbounded
UN00002726	ASCC	Document. Included. Note	A note included in this document.	0	unbounded
UN00002990	ASCC	Document. Agent. Party	A party representing another party for this document.	0	unbounded
UN00004509	ASCC	Document. Attached. Binary File	A binary file attached to this document.	0	unbounded
UN00004872	ASCC	Document. Production. Software	The software used for the production of this document.	0	1
	ASCC	Document. Specify. Item Archive Parameter	The item archive parameter specified for this document.	0	1

7.3 Authentication

UN00002759	ACC	Authentication. Details	A proof that something is genuine.		
UN00002761	BCC	Authentication. Actual. Date Time	The actual date, time, date time, or other date time value of this authentication.	0	1
UN00001703	BCC	Authentication. Identification. Identifier	A unique identifier for this authentication.	0	unbounded
UN00001704	BCC	Authentication. Statement. Text	A statement, expressed as text, for this authentication.	0	unbounded
UN00001706	BCC	Authentication. Information. Text	Information, expressed as text, for this authentication.	0	unbounded
UN00004689	BCC	Authentication. Signatory. Text	A signatory, expressed as text, for this authentication.	0	unbounded

7.4 Item Archive Parameter

	ACC	Item Archive Parameter	The set of parameters linked with this item archive.		
	BCC	Item Archive Parameter. Input. Date Time	The date, time, date time, or other date time value of the input parameter of this item archive.	0	1
	BCC	Item Archive Parameter. Provisional Destruction. Date Time	The provisional destruction date, time, date time, or other date time value parameter of this item archive.	0	1
	BCC	Item Archive Parameter. Limitation Period. Date Time	The date, time, date time, or other date time value parameter limiting the archive period of this item.	0	1
	BCC	Item Archive Parameter. Destruction Authorization Level. Identifier	The archive parameter identifier of the authorization level for the destruction of this item.	0	1

	ASCC	Item Archive Parameter. Trust Third Party. Authentication	The authentication of the trusted third party for this item archive parameter.	0	1
	ASCC	Item Archive Parameter. Agent. Authentication	The authentication of the agent for this item archive parameter.	0	1
	ASCC	Item Archive Parameter. Input Responsible. Party	The input responsible party for this item archive parameter.	0	1
	ASSS	Item Archive Parameter. Destruction Responsible. Party	The destruction responsible party for this item archive parameter.	0	1

7.5 Party

UN00000376	ACC	Party. Details	An individual, a group, or a body having a role in a business function. Party has a legal connotation in a business transaction.		
UN00000377	BCC	Party. Identification. Identifier	A unique identifier of the party.	0	unbounded
UN00000378	BCC	Party. Type. Code	A code specifying the type of party that is independent of its role.	0	unbounded
UN00000379	BCC	Party. Name. Text	A name, expressed as text, for this party.	0	unbounded
UN00000381	BCC	Party. Access Rights. Code	A code specifying this party's access rights such as unlimited, restricted, prohibited.	0	unbounded
UN00000383	BCC	Party. Role. Code	A code specifying the role of this party.	0	unbounded
UN00000384	BCC	Party. Language. Code	A code specifying a language for this specific party.	0	unbounded

7.6 Note

UN00001298	ACC	Note. Details	A textual or coded description, such as a remark or additional information.		
UN00001299	BCC	Note. Subject. Text	The subject, expressed as text, of this note.	0	1
UN00001018	BCC	Note. Content. Text	Content, expressed as text, of a note.	0	unbounded
UN00001404	BCC	Note. Identification. Identifier	A unique identifier for this note.	0	unbounded
UN00001405	BCC	Note. Name. Text	A name, expressed as text, for this note.	0	unbounded
UN00001406	BCC	Note. Creation. Date Time	The date, time, date time, or other date time value for the creation of this note.	0	1

7.7 Period

UN00000116	ACC	Period. Details	A specific period of time such as the length of time between two known date/time points, from a start date onwards, or up to an end date.		
UN00000117	BCC	Period. Duration. Measure	A measure of the length of time for this time period such as hours, days, weeks, months, years.	0	unbounded
UN00000118	BCC	Period. Inclusive. Indicator	The indication of whether or not the start and end dates are included in this period.	0	1
UN00000119	BCC	Period. Description. Text	A textual description of this period of time.	0	unbounded
UN00000120	BCC	Period. Start. Date Time	The date, time, date time or other date time value for the start of this period of time.	0	1
UN00000121	BCC	Period. End. Date Time	The date, time, date time or other date time value which specifies the end of this period of time.	0	1
UN00000214	BCC	Period. Complete. Date Time	The date, time, date time or other date time value for a complete period of time expressed as a specific month, a specific week etc.	0	1
UN00001245	BCC	Period. Function. Code	A code specifying the function of this period, such as fiscal period, accounting period.	0	unbounded

7.8 Location

UN00000067	ACC	Location. Details	A physical location or place.		
UN00000071	BCC	Location. Identification. Identifier	A unique identifier for this location such as a United Nations Location Code (UNLOCODE) or GS1 Global Location Number (GLN).	0	unbounded
UN00000227	BCC	Location. Name. Text	A name, expressed as text, of this location.	0	unbounded
UN00000226	BCC	Location. Directions. Text	A textual description of how to reach the location.	0	unbounded
UN00000764	BCC	Location. Description. Text	A textual description of the location.	0	unbounded
UN00000760	BCC	Location. District. Identifier	A unique identifier of the district area regarded as a geographic or administrative unit within which this location is situated.	0	unbounded
UN00001014	BCC	Location. Country Name. Text	A name, expressed as text, of the country for this location.	0	unbounded
UN00001015	BCC	Location. Country Sub-Division Name. Text	A name, expressed as text, of the sub-division of a country for this location.	0	unbounded
UN00001013	BCC	Location. Country. Identifier	A unique identifier of a country for this location (Reference ISO 3166 and UN/ECE Rec 3).	0	unbounded
UN00002494	BCC	Location. Country Sub-Division. Identifier	The unique identifier of the country sub-division for this location.	0	1
UN00002495	BCC	Location. Geopolitical Region Name. Text	The name, expressed as text, of the geopolitical region for this location.	0	1
UN00002497	BCC	Location. Country Superordinate. Identifier	The unique identifier of the country superordinate (grouping of countries to a bigger entity) in which the location is situated.	0	1
UN00001661	BCC	Location. UTC Offset. Numeric	The time offset value from the Universal Time Coordinate (UTC) for this location.	0	1
UN00003372	BCC	Location. Type. Text	A type, expressed as text, of this location.	0	unbounded

7.9 Clause

UN00002263	ACC	Clause. Details	A distinct article or provision in a contract, treaty, will, or other formal or legal written document, which requires compliance.		
UN00002264	BCC	Clause. Identification. Identifier	A unique identifier for this clause.	0	unbounded
UN00002265	BCC	Clause. Version. Date Time	A date, time, date time, or other date time value of the version of the clause.	0	unbounded
UN00002267	BCC	Clause. Content. Text	Content, expressed as text, of the clause.	0	unbounded
UN00002268	BCC	Clause. Breach Explanation. Text	The textual explanation of the breach of the clause.	0	1
UN00002269	BCC	Clause. Breach. Indicator	The indication of whether or not this clause has been breached.	0	1
UN00002270	BCC	Clause. Wording Non Standard. Indicator	The indication of whether or not the wording of this clause is non-standard.	0	1
UN00002271	BCC	Clause. Parametric Standard Wording. Indicator	The indication of whether or not the standard wording of this clause is parametric.	0	1
UN00002272	BCC	Clause. Met. Indicator	The indication of whether or not this clause has been met.	0	1

7.10 Software

UN00000928	ACC	Software. Details	Programs and other operating information used by a computer.		
UN00000932	BCC	Software. Author Name. Text	An author's name, expressed as text, for this software program.	0	unbounded
UN00000930	BCC	Software. Name. Text	A name, expressed as text, of this software.	0	unbounded
UN00000931	BCC	Software. Version. Identifier	The unique identifier of the version of this software.	0	1
UN00004932	BCC	Software. Revision. Identifier	A unique identifier of the revision of this software.	0	unbounded
UN00004933	BCC	Software. Update. Date Time	A date, time, date time, or other date time value of an update of this software.	0	unbounded
UN00004934	ASCC	Software. Provided. Certificate	A certificate provided for this software.	0	unbounded

7.11 Certificate

UN00003906	ACC	Certificate. Details	A legal proof of ownership or worthiness of an item.		
UN00003907	BCC	Certificate. Identification. Identifier	The unique identifier for a certificate.	0	1
UN00004888	BCC	Certificate. Type. Code	The code specifying the type of certificate.	0	1
UN00004889	BCC	Certificate. Software Operating System. Text	The software operating system, expressed as text, for which this certificate is produced.	0	1
	BCC	Certificate. Issue. Date Time	The date, time, date time, or other date time value when this certificate was issued.	0	1

7.12 Binary File

UN00003614	ACC	Binary File. Details	A computer file or program stored in a binary format.		
UN00003615	BCC	Binary File. Identification. Identifier	A unique identifier for this binary file.	0	unbounded
UN00003616	BCC	Binary File. Title. Text	A title, expressed as text, for this binary file.	0	unbounded
UN00003617	BCC	Binary File. Author Name. Text	An author name, expressed as text, of this binary file.	0	unbounded
UN00003618	BCC	Binary File. Version. Identifier	A unique version identifier for this binary file.	0	unbounded
UN00003619	BCC	Binary File. File Name. Text	A file name, expressed as text, of this binary file.	0	unbounded
UN00003624	BCC	Binary File. Included. Binary Object	An included binary object for this binary file.	0	unbounded
UN00003625	BCC	Binary File. Access. Text	Access information, expressed as text, for this binary file such as security and download parameters.	0	unbounded
UN00003626	BCC	Binary File. Description. Text	A textual description of this binary file.	0	unbounded
UN00003627	BCC	Binary File. Size. Measure	A measure of the size of this binary file.	0	unbounded
UN00003628	ASCC	Binary File. Access Availability. Period	An access availability period of this binary file.	0	unbounded