



# UN/CEFACT

SIMPLE, TRANSPARENT AND EFFECTIVE PROCESSES  
FOR GLOBAL BUSINESS

## REQUIREMENTS SPECIFICATION MAPPING (RSM)

Business domain: Agriculture

Business process: e-LABs observation reporting messages

Document identification: CEFACT/2014

Title: electronic laboratory observation reporting messages

UN/CEFACT International Trade and Business Domain: Agriculture

**Version: 0.17**

**Release: 1**

## Document Summary

Document Item	Current Value
Document Title	Requirements Specification Mapping electronic laboratory observation reporting messages
Date Last Modified	2014-05-21
Current Document Version	0.17
Status	Draft
Document Description (one sentence summary)	Specification that describes the data model and targeted technology solutions for the electronic laboratory observation reporting messages exchange

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## Log of Changes

Issue No.	Date of Change	Changed By	Summary of Change
0.1	Dec 2012	PDA Sectoral, Agro	Creation
0.11	Dec 2012	PDA Sectoral, Agro	Correction errors in chapter 3.1 and 6.2 (replaced 'cattle registration information exchange' by Laboratory observation report information exchange. Deleted a false diagram in figure 5
0.12	Dec 2012	PDA Sectoral, Agro	Update fig 5, include ABIE method
0.13	Oct 2013	PDA Sectoral, Agro	Update, include Laboratory analysis request and acknowledgement
0.14	Nov 2014	PDA Sectoral, Agro	Update
0.15	Jan 2013	PDA Sectoral, Agro	Update
0.16	Mar 2014	PDA Sectoral, Agro	Update
0.17	May 2014	PDA Sectoral, Agro	Update (LOR Acknowledgment)

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## 1 References document

CEFACT/TMWG/N090R10 UN/CEFACTs Modeling methodology, November 2001

[http://www.unece.org/cefact/umm/UMM\\_Revision\\_10\\_2001.zip](http://www.unece.org/cefact/umm/UMM_Revision_10_2001.zip)

CEFACT/TMG/N093 UN/CEFACT Modeling Methodology (UMM) User Guide

[http://www.unece.org/cefact/umm/UMM\\_userguide\\_220606.pdf](http://www.unece.org/cefact/umm/UMM_userguide_220606.pdf)

CEFACT/ICG/004 UN/CEFACT Forum - Operating Procedures between the TBG, ATG & ICG

[http://www.unece.org/cefact/documents/Forum\\_operating\\_procedures.pdf](http://www.unece.org/cefact/documents/Forum_operating_procedures.pdf)

UN/CEFACT ISO/TS 15000-5 ebXML Core Components Technical Specification – Part 8 of the ebXML Framework, Version 2.01 (TRADE/CEFACT/2004/28)

[http://www.unece.org/cefact/ebxml/CCTS\\_V2-01\\_Final.pdf](http://www.unece.org/cefact/ebxml/CCTS_V2-01_Final.pdf)

CEFACT/ICG/005 UN/CEFACT Business Requirements Specification template

<http://www.uncefactforum.org/ICG/Documents/ICG%20Home/Business%20Requirements%20Specification%20V1r5%20approved.zip>

CEFACT/ICG/006 UN/CEFACT Requirements Specification Mapping template version 1  
September 2005

<http://www.uncefactforum.org/ICG/Documents/ICG%20Home/ICG%20requirements%20specification%20mapping%20V1R0%2020050928.zip>

## 2 Introduction

The purpose of the project is to create Business Process Models and Business Class Diagrams for documenting the business scenarios and business transactions involved in the laboratory observation processes for all agricultural production, processing and trade.

The process is described by two use case:

- To exchange the request of laboratory observations on agricultural samples between the trade relation and the laboratory.
- To exchange the results of laboratory observations on agricultural samples between the laboratory and their partner(s).

The output will be used to obtain and validate the XML messages to support the business process.

## 3 Objective

The objective of this project is to standardize the Business Processes, the Business Transactions and the Information Entities of the technical description and information of the laboratory observations on agricultural samples.

The Laboratory Analysis Request message is send by the trade party to the laboratory, requesting the laboratory to perform observations on a sample.

The Laboratory Observation Report is a message send by the laboratory to the concerned parties who are eligible to receive the results of the observations on the sample, performed by the laboratory. The observations are done on samples water, soil, agricultural commodities, plant products, animal product and or samples taken from live animals. It includes a broad usage ranging from soil, fertilizer, crop products, animal feed, and health status and diagnostic on live animals. These results are used to obtain information of the quality of soil, water, crop products, animal products, or health information about plants or animals. Only three types of parties are involved, the laboratory, the requesting party and the receiving parties.

The exchanged information is composed out of the core information about the sampled object, the observed sample, the observation instructions and requirements, the request, applied observation method(s) and the results of the observations done by the laboratory on the sample.

### 3.1 Target technology solutions

The canonical class diagram of the Laboratory Observation Reporting Information Exchange presented in this document should be used to generate the UN/CEFACT ebXML standard schema of the Laboratory Observation Reporting Information Exchange messages in all contexts. This RSM document together with the corresponding BRS document and the ebXML schema are intended to be the basis for the standard e-LABs observation reporting messages.

## 4 Information payload to be implemented

### 4.1 Conceptual Data Model for the Laboratory Analysis Request / Laboratory Observation Report information exchange

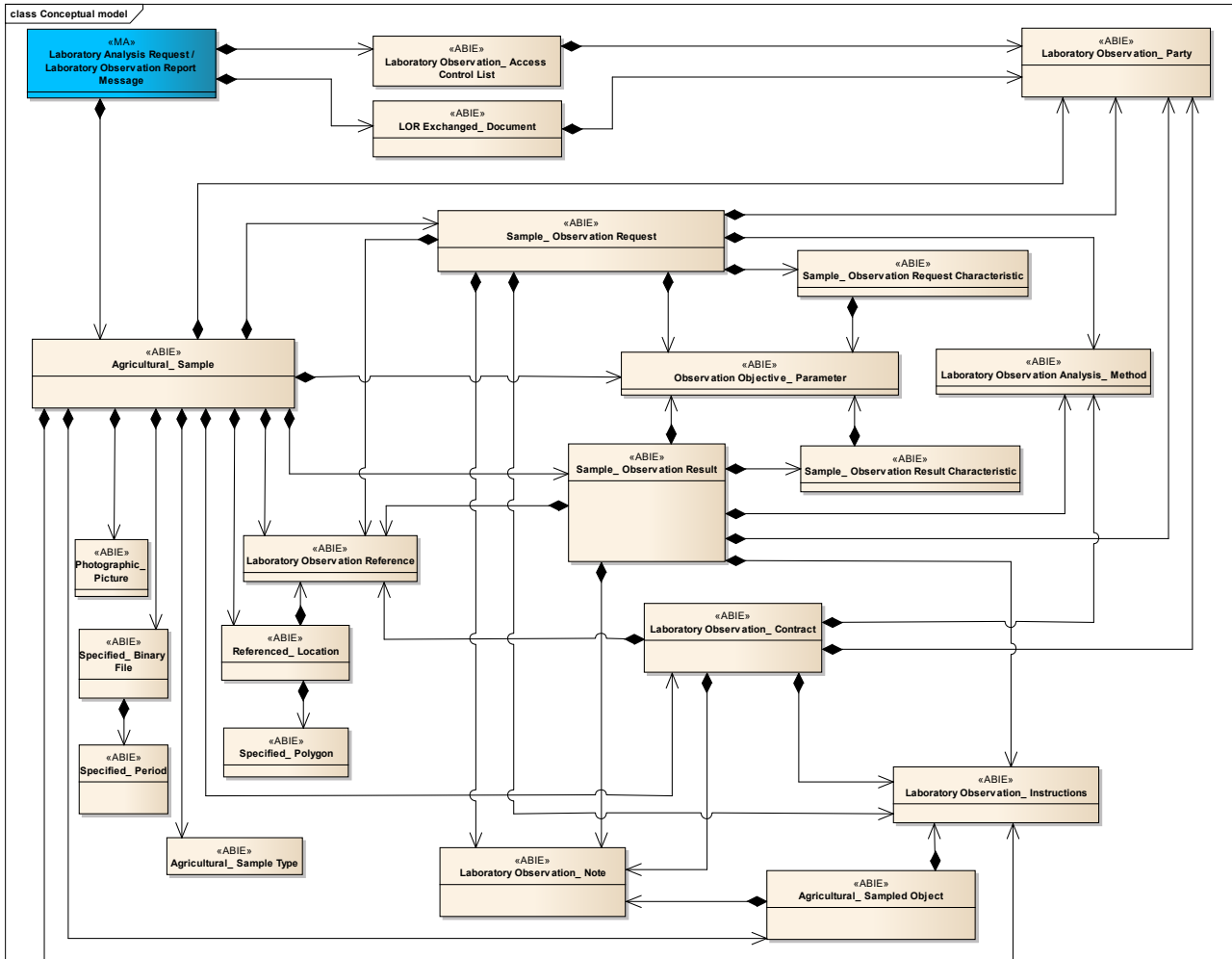


Figure 4 Conceptual model of the Laboratory Analysis Request and Laboratory Observation Report message

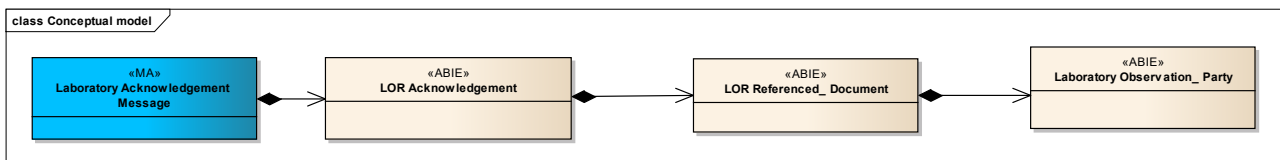


Figure 5 Conceptual model of the Laboratory Acknowledgement message

An e-LABs Laboratory Analysis Request / Laboratory Observation Report message has 2 sections, a header section for administrative purposes, and a content section for requesting analyses / reporting observations.

#### The header section.

The header section contains two entries.

The LOR Exchanged\_Document is primarily used for identification, traceability and authentication of the parties involved, and the type of message. It describes the following attributes: The type of

document, the parties involved, sender and receiver of the message. The Laboratory Observation\_Access Control List provides information about the privileges of the receiving party regarding the laboratory observation report. (Such as confidential, read, print, retransmit, archive and reuse in other process).

**The content section.**

This section contains data about the sampled object, the sample, the observation process, the recipe, the methods requested and used, instructions and requirements for the observations and the observation results. The result can be presented as a (set of) observation measures, and as a note with remarks or conclusions, at the level of a single observation or of a set of observations of the sample, or at the level of the observed object. Both the e-LABs Laboratory Analysis Request and e-Labs Laboratory Observation Report make use of the same objects. The observation result object (ABIE) is only used within the Laboratory Observation Report message (not in a Laboratory Observation Request message).

## **4.2 Canonical Data Model for the Laboratory Observation Request / Laboratory Observation Report Information Exchange**

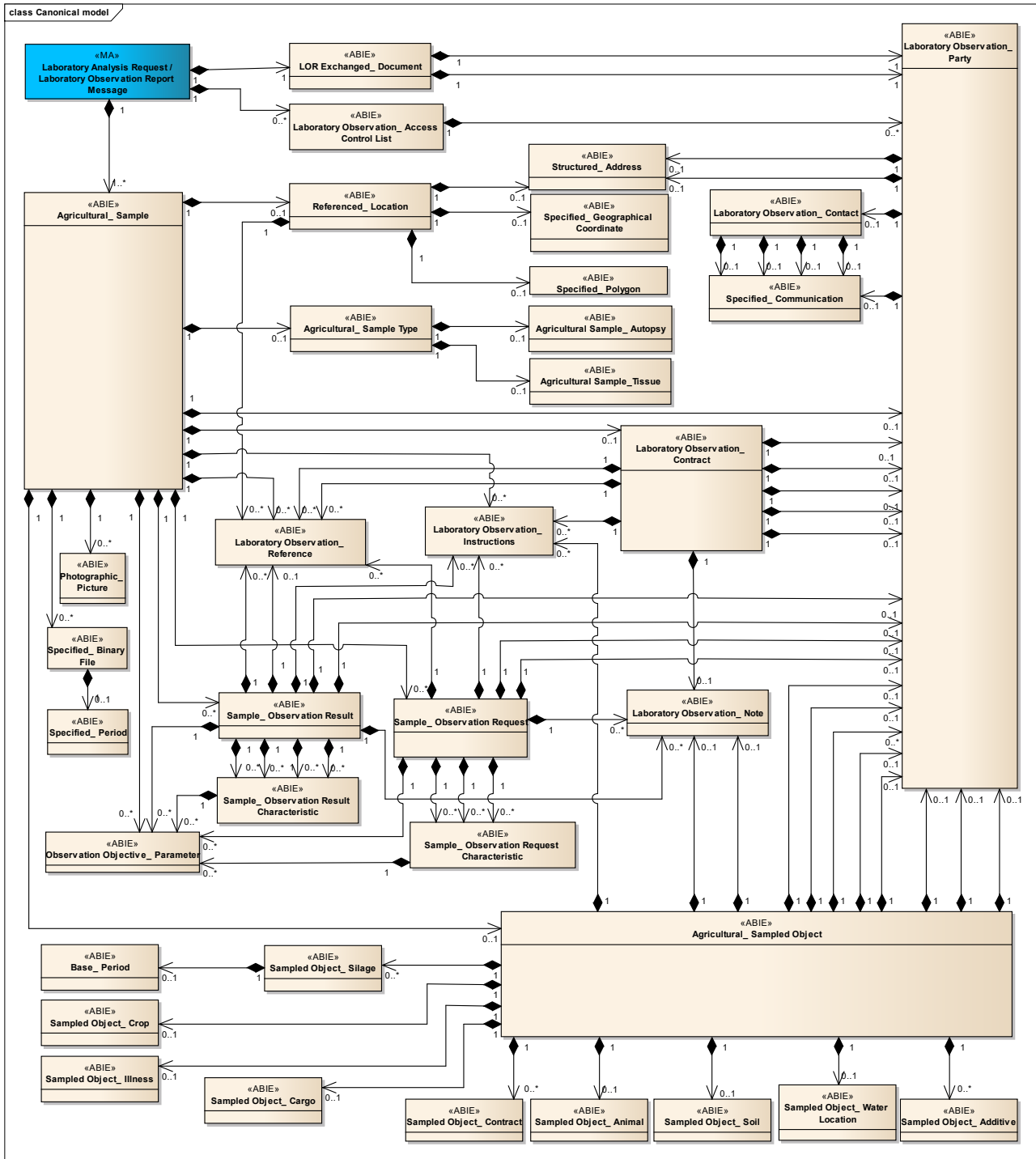


Figure 6 Canonical model of the Laboratory Analysis Request / Laboratory Observation Report messages <sup>1</sup>.

<sup>1</sup> Not for use for class attributes BBIE and order/cardinality of the BBIEs. These are available in section 5.1



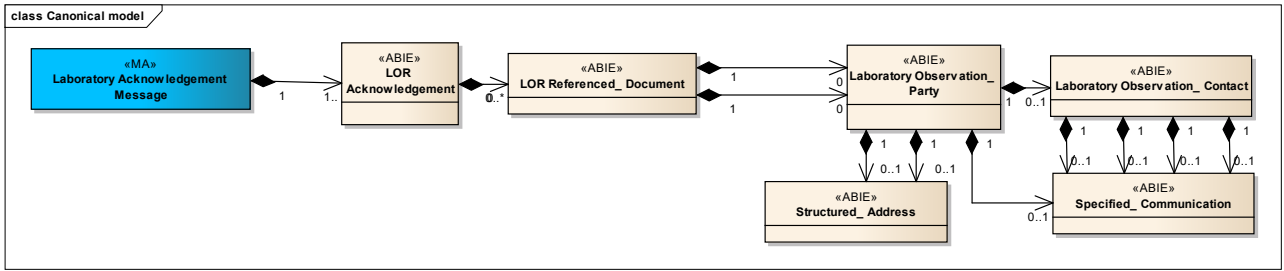


Figure 7 Canonical model of the Laboratory Acknowledgement message.

## 5 Business information entity reference

This section contains the list of all the Business Information Entities that are used within the canonical data model and are variations from the standard Core Components, included the UN/CEFACT Registry version **14A** that served as the reference point.

### 5.1 Basic Business Information Entities section

This section gives detailed information about the BBIEs order and cardinality.

Occurrence	Element/Attribute
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Occurrence	Element/Attribute
1 .. 1	<p><b>ABIE</b></p> <p>BBIE Definition: Agricultural Sample_Autopsy. Type. Text The type, expressed as text, of this agricultural sample autopsy.</p>
0 .. 1	<p>BBIE</p> <p>Definition: Agricultural Sample_Autopsy. Procedure. Text The procedure, expressed as text, for this agricultural sample autopsy.</p>

Occurrence	Element/Attribute
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Occurrence	Element/Attribute
1 .. 1	<p><b>ABIE</b></p> <p>BBIE Definition: Agricultural Sample_Tissue. Anatomical Name. Text The anatomical name, expressed as text, of the organ or part of the organism from which this agricultural sample tissue has been taken.</p>
1 .. 1	<p>BBIE</p> <p>Definition: Agricultural Sample_Tissue. Anatomical Location. Text The area or part of the body or plant, expressed as text, from which this agricultural sample tissue has been taken.</p>

Occurrence	Element/Attribute
	<b>ABIE</b> <b>Agricultural_Sample Type. Details</b>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Agricultural_Sample Type. Local_Type. Code</li> <li>Definition: The code specifying the local type of this agricultural sample type.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Agricultural_Sample Type. Standard_Type. Code</li> <li>Definition: The code specifying the standard type of this agricultural sample type.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Agricultural_Sample Type. Material_Type. Text</li> <li>Definition: The material type, expressed as text, of this agricultural sample type.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Agricultural_Sample Type. Material_Type. Code</li> <li>Definition: The code specifying a material type for this agricultural sample type.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—ASBIE <b>Agricultural_Sample Type. Specified. Agricultural Sample_Tissue</b></li> <li>Definition: The tissue specified for this agricultural sample type.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—ASBIE <b>Agricultural_Sample Type. Specified. Agricultural Sample_Autopsy</b></li> <li>Definition: The autopsy specified for this agricultural sample type.</li> </ul>

Occurrence	Element/Attribute
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## ABIE

## Agricultural\_Sample\_Details

0 .. 1	BBIE Definition:	Agricultural_Sample. Intake_ Identification. Identifier The identifier of the sample, assigned by the observer party during the intake of this agricultural sample.
0 .. 1	BBIE Definition:	Agricultural_Sample. Serial_ Identification. Identifier The serial identifier for this agricultural sample.
0 .. 1	BBIE Definition:	Agricultural_Sample. LIMS_ Registration. Date Time The date, time, date time, or other date time value for the Laboratory Information Management System (LIMS) registration of this agricultural sample.
0 .. 1	BBIE Definition:	Agricultural_Sample. Sampling. Date Time The date, time, date time, or other date time value for the sampling of this agricultural sample.
0 .. 1	BBIE Definition:	Agricultural_Sample. Sealed. Indicator The indication of whether or not this agricultural sampled is sealed.
0 .. 1	BBIE Definition:	Agricultural_Sample. Sealed. Date Time The date, time, date time, or other date time value for the sealing of this agricultural sample.
0 .. 1	BBIE Definition:	Agricultural_Sample. Packaging Type. Text The packaging type, expressed as text, for this agricultural sample.
0 .. 1	BBIE Definition:	Agricultural_Sample. Sender Assigned_ Identification. Identifier The identifier of this agricultural sample, assigned by the sender of the sample.
0 .. 1	BBIE Definition:	Agricultural_Sample. Receipt. Date Time The date, time, date time, or other date time value for the receipt of this agricultural sample.
0 .. 1	BBIE Definition:	Agricultural_Sample. Type Name. Text The name, expressed as text, of this agricultural sample.
0 .. 1	BBIE Definition:	Agricultural_Sample. Information. Text Information, expressed as text, about this agricultural sample.
0 .. unbounded	BBIE Definition:	Agricultural_Sample. Size. Measure A measure of the size of this agricultural sample, such as volume or weight.
0 .. 1	BBIE Definition:	Agricultural_Sample. Storage_ Temperature. Measure The measure of the storage temperature for this agricultural sample.
0 .. 1	BBIE Definition:	Agricultural_Sample. Microbiology_ Start. Date Time The date, time, date time, or other date time value for the start of microbiology for this agricultural sample, such as when the sample is infected by a laboratory.
0 .. 1	BBIE Definition:	Agricultural_Sample. Preservation_ End. Date Time The date, time, date time, or other date time value for the end of preservation for this agricultural sample.
0 .. 1	BBIE Definition:	Agricultural_Sample. Interpretation Result. Text The interpretation result, expressed as text, for this agricultural sample, indicating whether it complies with the normative values.
0 .. 1	BBIE Definition:	Agricultural_Sample. Processing Status. Code The code specifying the processing status for this agricultural sample, such as taking sample, processing intake sample, performing observations, preparing report observations and conclusions.
0 .. unbounded	ASBIE Definition:	<b>Agricultural_Sample. Sampling. Referenced_ Location</b> A referenced location for the sampling of this agricultural sample.
0 .. 1	ASBIE Definition:	<b>Agricultural_Sample. Sampling. Laboratory Observation_ Party</b> The laboratory observation party sampling this agricultural sample.
0 .. unbounded	ASBIE Definition:	<b>Agricultural_Sample. Specified. Sample_ Observation Result</b> An observation result specified for this agricultural sample.
0 .. 1	ASBIE Definition:	<b>Agricultural_Sample. Specified. Laboratory Observation_ Contract</b> The laboratory observation contract specified for this agricultural sample.
0 .. 1	ASBIE Definition:	<b>Agricultural_Sample. Specified. Agricultural_ Sampled Object</b> The sampled object specified for this agricultural sample.
0 .. 1	ASBIE Definition:	<b>Agricultural_Sample. Specified. Agricultural_ Sample Type</b> The sample type specified for this agricultural sample.
0 .. unbounded	ASBIE Definition:	<b>Agricultural_Sample. Specified. Laboratory Observation_ Reference</b> A laboratory observation reference specified for this agricultural sample.
0 .. unbounded	ASBIE Definition:	<b>Agricultural_Sample. Specified. Laboratory Observation_ Instructions</b> A set of laboratory observation instructions specified for this agricultural sample.
0 .. unbounded	ASBIE Definition:	<b>Agricultural_Sample. Specified. Sample_ Observation Request</b> An observation request specified for this agricultural sample.
0 .. unbounded	ASBIE Definition:	<b>Agricultural_Sample. Interpretation Result. Observation Objective_ Parameter</b> An observation objective parameter of the interpretation result for this agricultural sample.

Occurrence	Element/Attribute
0 .. unbounded	<b>ASBIE</b> <b>Agricultural_Sample.Attached.Photographic_Picture</b> <b>Definition:</b> An attached photographic picture of this agricultural sample.
0 .. unbounded	<b>ASBIE</b> <b>Agricultural_Sample.Attached.Specified_Binary File</b> <b>Definition:</b> An attached binary file of this agricultural sample.

Occurrence	Element/Attribute
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## ABIE Agricultural\_Sampled Object. Details

1 .. 1	<b>BBIE</b> Agricultural_Sampled Object. Identification. Identifier Definition: The identifier for this sampled agricultural object.
0 .. 1	<b>BBIE</b> Agricultural_Sampled Object. Name. Text Definition: The name, expressed as text, for this sampled agricultural object.
0 .. 1	<b>BBIE</b> Agricultural_Sampled Object. Standard_Type. Code Definition: The standard code specifying the type of sampled agricultural object.
0 .. 1	<b>BBIE</b> Agricultural_Sampled Object. Local_Type. Code Definition: The local code specifying the type of sampled agricultural object, used by the observer party or the customer.
0 .. 1	<b>BBIE</b> Agricultural_Sampled Object. Type Name. Text Definition: The name, expressed as text, for the type of this sampled agricultural object.
0 .. 1	<b>BBIE</b> Agricultural_Sampled Object. Production. Date Time Definition: The date, time, date time, or other date time value when this sampled agricultural object was produced.
0 .. 1	<b>BBIE</b> Agricultural_Sampled Object. Sampling Procedure Type. Code Definition: The code specifying the type of sampling procedure used for this sampled agricultural object.
0 .. 1	<b>BBIE</b> Agricultural_Sampled Object. Sampling Procedure. Identifier Definition: The identifier of the sampling procedure used for this sampled agricultural object.
0 .. 1	<b>BBIE</b> Agricultural_Sampled Object. Country Of Origin_ Identification. Identifier Definition: The identifier for the country of origin for this sampled agricultural object.
0 .. 1	<b>BBIE</b> Agricultural_Sampled Object. Country Of Origin Sub Division_ Name. Text Definition: The name, expressed as text, for the country of origin subdivision for this sampled agricultural object.
1 .. 1	<b>BBIE</b> Agricultural_Sampled Object. Size. Measure Definition: The measure of size of this sampled agricultural object.
0 .. 1	<b>BBIE</b> Agricultural_Sampled Object. Batch. Quantity Definition: The batch quantity for this sampled agricultural object.
0 .. 1	<b>BBIE</b> Agricultural_Sampled Object. Batch_Population Size. Measure Definition: The measure of the population size of this sampled agricultural object.
0 .. 1	<b>BBIE</b> Agricultural_Sampled Object. Treatment. Text Definition: The treatment, expressed as text, for this sampled agricultural object, such as disinfection.
0 .. 1	<b>BBIE</b> Agricultural_Sampled Object. Batch Identification. Identifier Definition: The identifier of this sampled agricultural object batch.
0 .. 1	<b>ASBIE</b> <b>Agricultural_Sampled Object. Conclusion_Specified. Laboratory Observation_Note</b> Definition: The note, containing additional laboratory observations and or conclusions, specified for this sampled agricultural object.
0 .. 1	<b>ASBIE</b> <b>Agricultural_Sampled Object. Additional Information_Specified. Laboratory Observation_Note</b> Definition: The note, containing additional information, specified for this sampled agricultural object.
0 .. unbounded	<b>ASBIE</b> <b>Agricultural_Sampled Object. Authorized. Laboratory Observation_Party</b> Definition: A party authorized to do something concerning this sampled agricultural object.
0 .. 1	<b>ASBIE</b> <b>Agricultural_Sampled Object. Producer. Laboratory Observation_Party</b> Definition: The party that produced this sampled agricultural object.
0 .. 1	<b>ASBIE</b> <b>Agricultural_Sampled Object. Carrier. Laboratory Observation_Party</b> Definition: The carrier party for this sampled agricultural object.
0 .. 1	<b>ASBIE</b> <b>Agricultural_Sampled Object. Customer. Laboratory Observation_Party</b> Definition: The customer party for this sampled agricultural object.
0 .. 1	<b>ASBIE</b> <b>Agricultural_Sampled Object. Packer. Laboratory Observation_Party</b> Definition: The party who packed this sampled agricultural object.
0 .. 1	<b>ASBIE</b> <b>Agricultural_Sampled Object. Supplier. Laboratory Observation_Party</b> Definition: The supplier party for this sampled agricultural object.
0 .. 1	<b>ASBIE</b> <b>Agricultural_Sampled Object. Owner. Laboratory Observation_Party</b> Definition: The owner party for this sampled agricultural object.
0 .. 1	<b>ASBIE</b> <b>Agricultural_Sampled Object. Trader. Laboratory Observation_Party</b> Definition: The trader party for this sampled agricultural object.
0 .. unbounded	<b>ASBIE</b> <b>Agricultural_Sampled Object. Applied. Sampled Object_Additive</b> Definition: An additive applied to this sampled agricultural object.
0 .. 1	<b>ASBIE</b> <b>Agricultural_Sampled Object. Specified. Sampled Object_Crop</b> Definition: The crop specified for this sampled agricultural object.
0 .. unbounded	<b>ASBIE</b> <b>Agricultural_Sampled Object. Specified. Sampled Object_Contract</b> Definition: A contract specified for this sampled agricultural object.



Occurrence	Element/Attribute
0 .. 1	<b>ASBIE</b> <b>Agricultural_Sampled Object. Specified. Sampled Object_ Illness</b> <b>Definition:</b> The Illness or disease specified for this sampled agricultural object.
0 .. 1	<b>ASBIE</b> <b>Agricultural_Sampled Object. Containing. Milk_Tank</b> <b>Definition:</b> The milk tank containing this sampled agricultural object.
0 .. 1	<b>ASBIE</b> <b>Agricultural_Sampled Object. Specified. Sampled Object_ Cargo</b> <b>Definition:</b> Cargo details specified for this sampled agricultural object.
0 .. 1	<b>ASBIE</b> <b>Agricultural_Sampled Object. Specified As. Sampled Object_ Soil</b> <b>Definition:</b> Soil specified as this sampled agricultural object.
0 .. unbounded	<b>ASBIE</b> <b>Agricultural_Sampled Object. Specified As. Sampled Object_ Silage</b> <b>Definition:</b> Silage specified as this sampled agricultural object.
0 .. 1	<b>ASBIE</b> <b>Agricultural_Sampled Object. Specified As. Sampled Object_ Animal</b> <b>Definition:</b> The animal specified as this sampled agricultural object.
0 .. 1	<b>ASBIE</b> <b>Agricultural_Sampled Object. Specified. Sampled Object_ Water Location</b> <b>Definition:</b> The water location specified for this sampled agricultural object.
0 .. unbounded	<b>ASBIE</b> <b>Agricultural_Sampled Object. Specified. Laboratory Observation_ Instructions</b> <b>Definition:</b> A set of laboratory observation instructions specified for this agricultural sampled object.

Occurrence	Element/Attribute
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**ABIE**

**Base\_Period. Details**

0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<p>Base_Period. Inclusive. Indicator</p> <p>The indication of whether or not the start and end dates are included in this base period.</p>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<p>Base_Period. Start. Date Time</p> <p>The date, time, date time or other date time value for the start of this base period of time.</p>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<p>Base_Period. End. Date Time</p> <p>The date, time, date time or other date time value for the end of this base period of time.</p>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<p>Base_Period. Description. Text</p> <p>The textual description of this base period.</p>

Occurrence	Element/Attribute
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## ABIE

## Laboratory Observation Analysis\_ Method. Details

0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Laboratory Observation Analysis_ Method. Name. Text</li> <li>Definition: The name, expressed as text, for this laboratory observation analysis method.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Laboratory Observation Analysis_ Method. Obligatory_ Type. Code</li> <li>Definition: The code specifying the type of analysis method obligatory for the laboratory observation.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Laboratory Observation Analysis_ Method. Standard_ Type. Code</li> <li>Definition: The code specifying the type of laboratory observation analysis method, which is the standard method of the observer party for the kind of observation, such as a Logical Observation Identifiers Names and Codes (LOINC) code and method.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Laboratory Observation Analysis_ Method. Local_ Type. Code</li> <li>Definition: The code specifying the type of laboratory observation analysis method, which is the local method of the observer party for the kind of observation.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Laboratory Observation Analysis_ Method. External Reference. Text</li> <li>Definition: The external reference, expressed as text, for this laboratory observation analysis method.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Laboratory Observation Analysis_ Method. Information. Text</li> <li>Definition: Information, expressed as text, for this laboratory observation analysis method.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Laboratory Observation Analysis_ Method. Sampled Object Minimum_ Required Ob</li> <li>Definition: The measure of the minimum object size required for this laboratory observation analysis method.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Laboratory Observation Analysis_ Method. Certification_ Type. Code</li> <li>Definition: The code specifying the type of certification for this laboratory observation analysis method.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Laboratory Observation Analysis_ Method. Certification_ Identification. Identifier</li> <li>Definition: The identifier for the certificate granted to a party for this laboratory observation analysis method.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Laboratory Observation Analysis_ Method. Identification. Identifier</li> <li>Definition: The identifier for this laboratory observation analysis method.</li> </ul>

Occurrence	Element/Attribute
	<b>ABIE Laboratory Observation_ Access Control List. Details</b>
0 .. 1	<ul style="list-style-type: none"> <li>— BBIE Laboratory Observation_ Access Control List. Type. Code Definition: The code specifying the type of laboratory observation access control list.</li> <li>— BBIE Laboratory Observation_ Access Control List. Access Right. Code Definition: The code specifying the access rights for this laboratory observation access control list.</li> </ul>
0 .. unbounded	<ul style="list-style-type: none"> <li>— <b>ASBIE Laboratory Observation_ Access Control List. Included. Laboratory Observation_ Party</b> Definition: A party included in this laboratory observation access control list.</li> </ul>

Occurrence	Element/Attribute
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**ABIE Laboratory Observation\_Contact. Details**

1 .. 1	<ul style="list-style-type: none"> <li>—BBIE Laboratory Observation_Contact. Identification. Identifier</li> <li>Definition: The identifier of this laboratory observation contact.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Laboratory Observation_Contact. Person Name. Text</li> <li>Definition: The name, expressed as text, of the person for this laboratory observation contact.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Laboratory Observation_Contact. Department Name. Text</li> <li>Definition: The name, expressed as text, of the department to which this laboratory observation contact belongs.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—ASBIE <b>Laboratory Observation_Contact. Mobile_Telephone. Specified_Communication</b></li> <li>Definition: The mobile phone number of the laboratory observation contact.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—ASBIE <b>Laboratory Observation_Contact. Telephone. Specified_Communication</b></li> <li>Definition: The telephone number of the laboratory observation contact.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—ASBIE <b>Laboratory Observation_Contact. Fax. Specified_Communication</b></li> <li>Definition: The fax number of the laboratory observation contact.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—ASBIE <b>Laboratory Observation_Contact. Email. Specified_Communication</b></li> <li>Definition: The email address of the laboratory observation contact.</li> </ul>

Occurrence	Element/Attribute
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## ABIE Laboratory Observation\_Contract. Details

1 .. 1	BBIE Definition:	Laboratory Observation_Contract. Identification. Identifier The identifier for this laboratory observation contract.
0 .. 1	BBIE Definition:	Laboratory Observation_Contract. Observer Assigned_ Identification. Identifier The identifier assigned by the observation party for this laboratory observation contract.
0 .. 1	BBIE Definition:	Laboratory Observation_Contract. Type. Code The type of laboratory observation contract.
0 .. unbounded	BBIE Definition:	Laboratory Observation_Contract. Observation_Type. Code A code expressing the type of observations for this laboratory observation contract.
0 .. unbounded	BBIE Definition:	Laboratory Observation_Contract. Observation_Name. Text A name, expressed as text, of the observation for this laboratory observation contract.
0 .. unbounded	BBIE Definition:	Laboratory Observation_Contract. Observation_Characteristic_Description. Text A textual description of the observation characteristics for this laboratory observation contract.
0 .. 1	BBIE Definition:	Laboratory Observation_Contract. Submission Reason_Description. Text The textual description of the reason for the submission for this laboratory observation contract.
1 .. 1	BBIE Definition:	Laboratory Observation_Contract. Issue. Date Time The date or date time, expressed as date time, when the observation contract is issued by the directing party, or when the sender sent in the sample with instructions.
0 .. 1	BBIE Definition:	Laboratory Observation_Contract. Observation_End. Date The date when the observation results have been finalized for this laboratory observation contract.
0 .. 1	BBIE Definition:	Laboratory Observation_Contract. Last Item Delivery. Date The final date when the customer (directing party) needs to receive observation results for this laboratory observation contract.
0 .. 1	BBIE Definition:	Laboratory Observation_Contract. Observation_Information. Text Information, expressed as text, explaining the results at the level of sampled objects, which can cover many observation results and many samples for this laboratory observation contract.
0 .. 1	BBIE Definition:	Laboratory Observation_Contract. Project. Identifier The identifier of the project for this laboratory observation contract.
0 .. 1	BBIE Definition:	Laboratory Observation_Contract. Observation_Report_Publication. Date Time The date or date time, expressed as date time, when the observer party publishes the observation results for this laboratory observation contract.
0 .. 1	BBIE Definition:	Laboratory Observation_Contract. Requested Observation_Report_Publication. Date Time The requested date or date time when the observer party publishes the observation results for this laboratory observation contract.
0 .. 1	BBIE Definition:	Laboratory Observation_Contract. Standard Observation_Lead Time. Measure The measure of the standard observation lead time for this laboratory observation contract.
0 .. 1	BBIE Definition:	Laboratory Observation_Contract. Emergency Observation_Lead Time. Measure The measure of the emergency observation lead time for this laboratory observation contract.
0 .. unbounded	BBIE Definition:	Laboratory Observation_Contract. Emergency Observation_Condition_Information. Text Information, expressed as text, explaining the emergency observation conditions for this laboratory observation contract.
0 .. 1	BBIE Definition:	Laboratory Observation_Contract. GMO_Regulation. Indicator The indication of whether or not the Genetically Modified Organism (GMO) regulations apply for this laboratory observation contract.
0 .. 1	ASBIE Definition:	Laboratory Observation_Contract. Specified. Laboratory Observation_Note The note specified for this laboratory observation contract with additional observations and/or conclusions.
0 .. 1	ASBIE Definition:	Laboratory Observation_Contract. Ordering. Laboratory Observation_Party The ordering party for this laboratory observation contract.
0 .. 1	ASBIE Definition:	Laboratory Observation_Contract. Observing. Laboratory Observation_Party The observing party for this laboratory observation contract.
0 .. 1	ASBIE Definition:	Laboratory Observation_Contract. Invoicee. Laboratory Observation_Party The invoicee party for this laboratory observation contract.
0 .. 1	ASBIE Definition:	Laboratory Observation_Contract. Contract_Sender. Laboratory Observation_Party The sender party for this laboratory observation contract.
0 .. 1	ASBIE Definition:	Laboratory Observation_Contract. Issuer. Laboratory Observation_Party The issuer party for this laboratory observation contract.
0 .. unbounded	ASBIE Definition:	Laboratory Observation_Contract. Specified. Laboratory Observation_Reference A reference specified for this laboratory observation contract.

Occurrence	Element/Attribute
0 .. unbounded	<b>ASBIE</b> <b>Laboratory Observation_ Contract. Specified. Laboratory Observation_ Instructions</b> <b>Definition:</b> A set of laboratory observation instructions specified for this laboratory observation contract.
0 .. unbounded	<b>ASBIE</b> <b>Laboratory Observation_ Contract. Order_ Specified. Laboratory Observation_ Reference</b> <b>Definition:</b> An order reference specified for this laboratory observation contract.
0 .. unbounded	<b>ASBIE</b> <b>Laboratory Observation_ Contract. Agreed_ Associated. Laboratory Observation Analysis_ Method</b> <b>Definition:</b> An agreed analysis method associated with this laboratory observation contract.

**ABIE****Laboratory Observation\_ Instructions. Details**

0 .. 1	—BBIE Definition:	Laboratory Observation_ Instructions. Identification. Identifier The identifier for this set of laboratory observation instructions.
0 .. 1	—BBIE Definition:	Laboratory Observation_ Instructions. Description. Text The textual description of this set of laboratory observation instructions.
0 .. 1	—BBIE Definition:	Laboratory Observation_ Instructions. Type. Text The type, expressed as text, of this set of laboratory observation instructions.
0 .. 1	—BBIE Definition:	Laboratory Observation_ Instructions. Description. Code The code specifying a description of a laboratory observation instruction or a set of instructions.
0 .. 1	—BBIE Definition:	Laboratory Observation_ Instructions. Procedure. Text The procedure, expressed as text, for a set of laboratory observation Instructions.
0 .. 1	—BBIE Definition:	Laboratory Observation_ Instructions. Status. Code The code specifying the status of this set of laboratory observation instructions.
0 .. 1	—BBIE Definition:	Laboratory Observation_ Instructions. Sequence. Numeric The sequence number of this set of laboratory observation instructions.
0 .. 1	—BBIE Definition:	Laboratory Observation_ Instructions. Latest_ Update. Date Time The date, time, date time, or other date time value of the latest update of this set of laboratory observation instructions.



Occurrence	Element/Attribute
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	<b>ABIE</b>	<b>Laboratory Observation_ Note. Details</b>
1 .. 1	BBIE Definition:	Laboratory Observation_ Note. Content. Text The content, expressed as text, of this laboratory observation note.
1 .. 1	BBIE Definition:	Laboratory Observation_ Note. Creation. Date Time The date, time, date time, or other date time value for the creation of this laboratory observation note.

Occurrence	Element/Attribute
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Occurrence	Element/Attribute
	<b>ABIE Laboratory Observation_Party. Details</b>
1 .. 1	<b>BBIE</b> Laboratory Observation_Party. Identification. Identifier <b>Definition:</b> The identifier of this laboratory observation party.
0 .. 1	<b>BBIE</b> Laboratory Observation_Party. Name. Text <b>Definition:</b> The name, expressed as text, of this laboratory observation party.
0 .. unbounded	<b>BBIE</b> Laboratory Observation_Party. Third Party Issued_ Identification. Identifier <b>Definition:</b> An alternate identifier issued by a third party for this laboratory observation party.
0 .. unbounded	<b>BBIE</b> Laboratory Observation_Party. Third Party Issued_ Identification. Text <b>Definition:</b> A third party issued identifier, expressed as text, for this laboratory observation party.
0 .. 1	<b>ASBIE</b> <b>Laboratory Observation_Party. Office. Structured_ Address</b> <b>Definition:</b> The office address of this laboratory observation party.
0 .. 1	<b>ASBIE</b> <b>Laboratory Observation_Party. Postal. Structured_ Address</b> <b>Definition:</b> The postal address of this laboratory observation party.
0 .. 1	<b>ASBIE</b> <b>Laboratory Observation_Party. Website_ URI. Specified_ Communication</b> <b>Definition:</b> The website Uniform Resource Identifier (URI) of this laboratory observation party.
0 .. 1	<b>ASBIE</b> <b>Laboratory Observation_Party. Person_ Defined. Laboratory Observation_ Contact</b> <b>Definition:</b> The person defined as the contact for this laboratory observation party.

**ABIE**

**Laboratory Observation\_ Reference. Details**

1 .. 1	BBIE Definition:	Laboratory Observation_ Reference. Identification. Identifier The identifier for this laboratory observation reference.
0 .. 1	BBIE Definition:	Laboratory Observation_ Reference. Abbreviation. Text The shortened text string to identify this laboratory observation reference.
0 .. 1	BBIE Definition:	Laboratory Observation_ Reference. Description. Text The textual description of this laboratory observation reference.
0 .. 1	BBIE Definition:	Laboratory Observation_ Reference. Status. Text The status, expressed as text, for this laboratory observation reference.
0 .. 1	BBIE Definition:	Laboratory Observation_ Reference. Comment. Text The comment, expressed as text, for this laboratory observation reference.
0 .. 1	BBIE Definition:	Laboratory Observation_ Reference. Value. Text The value, expressed as text, for this laboratory observation reference.

Occurrence	Element/Attribute
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**ABIE LOR Acknowledgement\_ Document. Details**

0 .. 1	<p>—BBIE Definition:</p>	<p>LOR Acknowledgement_ Document. Identification. Identifier The identifier for this LOR acknowledgement document.</p>
0 .. 1	<p>—BBIE Definition:</p>	<p>LOR Acknowledgement_ Document. Type. Code The code specifying a type of LOR acknowledgement document [Reference United Nations Code List (UNCL) 1001].</p>
0 .. 1	<p>—BBIE Definition:</p>	<p>LOR Acknowledgement_ Document. Name. Text The name, expressed as text, for this LOR acknowledgement document.</p>
0 .. 1	<p>—BBIE Definition:</p>	<p>LOR Acknowledgement_ Document. Issue. Date Time The date, time, date time or other date time value for the issuance of this LOR acknowledgement document.</p>
0 .. 1	<p>—BBIE Definition:</p>	<p>LOR Acknowledgement_ Document. Submission. Date Time The date, time, date time or other date time value for the submission of this LOR acknowledgement document to a receiver by a sender.</p>
0 .. 1	<p>—BBIE Definition:</p>	<p>LOR Acknowledgement_ Document. Receipt. Date Time The date, time, date time or other date time value for the receipt of this LOR acknowledgement document.</p>
0 .. 1	<p>—BBIE Definition:</p>	<p>LOR Acknowledgement_ Document. Control Requirement. Indicator The indication of whether or not a LOR acknowledgement document has specific control requirements.</p>
0 .. 1	<p>—BBIE Definition:</p>	<p>LOR Acknowledgement_ Document. Creation. Date Time The date, time, date time or other date time value of a creation of this LOR acknowledgement document.</p>
0 .. 1	<p>—BBIE Definition:</p>	<p>LOR Acknowledgement_ Document. Status. Code The code specifying a status of this LOR acknowledgement document.</p>
0 .. 1	<p>—BBIE Definition:</p>	<p>LOR Acknowledgement_ Document. Acknowledgement_ Status. Code The code specifying an acknowledgment status for this LOR acknowledgement document.</p>
0 .. 1	<p>—BBIE Definition:</p>	<p>LOR Acknowledgement_ Document. Item Identification. Identifier The identifier of a specific item in this LOR acknowledgement document.</p>
0 .. 1	<p>—BBIE Definition:</p>	<p>LOR Acknowledgement_ Document. Multiple References. Indicator The indication of whether or not this LOR acknowledgement document references multiple other documents.</p>
0 .. unbounded	<p>—BBIE Definition:</p>	<p>LOR Acknowledgement_ Document. Reason_ Information. Text Reason information, expressed as text, for this LOR acknowledgement document.</p>
0 .. unbounded	<p>—ASBIE Definition:</p>	<p><b>LOR Acknowledgement_ Document. Reference. LOR Referenced_ Document</b> Other documents referenced by this LOR acknowledgement document.</p>

Occurrence	Element/Attribute
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**ABIE**

**LOR Exchanged\_ Document. Details**

0 .. 1	—BBIE Definition:	LOR Exchanged_ Document. Report Count. Numeric The number of reports in this LOR exchanged document.
1 .. 1	—BBIE Definition:	LOR Exchanged_ Document. Identification. Identifier The identifier of this LOR exchanged document.
0 .. 1	—BBIE Definition:	LOR Exchanged_ Document. Description. Text The textual description of this LOR exchanged document.
1 .. 1	—BBIE Definition:	LOR Exchanged_ Document. Issue. Date Time The date, time, date time or other date time value for the issuance of this LOR exchanged document.
0 .. 1	—BBIE Definition:	LOR Exchanged_ Document. Type. Code The code specifying the type of LOR exchanged document.
1 .. 1	—BBIE Definition:	LOR Exchanged_ Document. Copy. Indicator The indication of whether or not this LOR exchanged document is a copy.
1 .. 1	—BBIE Definition:	LOR Exchanged_ Document. Control Requirement. Indicator The indication of whether or not this LOR exchanged document has specific control requirements.
0 .. 1	—BBIE Definition:	LOR Exchanged_ Document. Purpose. Code The code specifying the purpose of this LOR exchanged document.
0 .. 1	—BBIE Definition:	LOR Exchanged_ Document. Line Count. Numeric The number of lines in this LOR exchanged document.
0 .. 1	—BBIE Definition:	LOR Exchanged_ Document. Information. Text Information, expressed as text, for this LOR exchanged document.
0 .. 1	—BBIE Definition:	LOR Exchanged_ Document. Status. Code The code specifying the status of this LOR exchanged document.
0 .. 1	—BBIE Definition:	LOR Exchanged_ Document. Sequence. Identifier The identifier for the sequence of this LOR exchanged document.
1 .. 1	—ASBIE Definition:	<b>LOR Exchanged_ Document. Sender. Laboratory Observation_ Party</b> The party sending this LOR exchanged document.
1 .. 1	—ASBIE Definition:	<b>LOR Exchanged_ Document. Recipient. Laboratory Observation_ Party</b> The party receiving this LOR exchanged document.

Occurrence	Element/Attribute
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**ABIE**

**LOR Referenced\_ Document. Details**

0 .. 1	BBIE Definition:	LOR Referenced_ Document. Identification. Identifier The identifier for this LOR referenced document.
0 .. 1	BBIE Definition:	LOR Referenced_ Document. Type. Code The code specifying a type of LOR referenced document [Reference United Nations Code List (UNCL) 1001].
0 .. unbounded	BBIE Definition:	LOR Referenced_ Document. Description. Text A textual description of this LOR referenced document.
0 .. 1	BBIE Definition:	LOR Referenced_ Document. Issue. Date Time The date, time, date time or other date time value for the issuance of this LOR referenced document.
0 .. 1	BBIE Definition:	LOR Referenced_ Document. Control Requirement. Indicator The indication of whether or not a LOR referenced document has specific control requirements.
0 .. 1	BBIE Definition:	LOR Referenced_ Document. Creation. Date Time The date, time, date time or other date time value of a creation of this LOR referenced document.
0 .. 1	BBIE Definition:	LOR Referenced_ Document. Status. Code The code specifying a status of this LOR referenced document.
0 .. 1	BBIE Definition:	LOR Referenced_ Document. Copy. Indicator The indication of whether or not the LOR referenced document is a copy.
0 .. 1	BBIE Definition:	LOR Referenced_ Document. Line Count. Numeric The count of the number of lines in this LOR referenced document.
0 .. 1	BBIE Definition:	LOR Referenced_ Document. Purpose. Code The code specifying the purpose of this LOR referenced document, such as request or reminder.
0 .. 1	BBIE Definition:	LOR Referenced_ Document. Information. Text Information, expressed as text, for this LOR referenced document.
0 .. 1	BBIE Definition:	LOR Referenced_ Document. Sequence. Identifier The identifier for the sequence of this LOR referenced document.
0 .. 1	BBIE Definition:	LOR Referenced_ Document. Report Count. Numeric The number of reports within this LOR referenced document.
0 .. 1	ASBIE Definition:	<b>LOR Referenced_ Document. Sender. Laboratory Observation_ Party</b> The party that sends this LOR referenced document.
0 .. 1	ASBIE Definition:	<b>LOR Referenced_ Document. Recipient. Laboratory Observation_ Party</b> The party that receives this LOR referenced document.

Occurrence	Element/Attribute
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Occurrence	Element/Attribute
1 .. 1	<p><b>ABIE</b></p> <p>BBIE Definition:</p>
1 .. 1	<p><b>Milk_Tank. Details</b></p> <p>Milk_Tank. Identification. Identifier The identifier for this milk tank.</p> <p>BBIE Definition:</p> <p>Milk_Tank. Serial_ Identification. Identifier The serial number assigned to this milk tank.</p>

Occurrence	Element/Attribute
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**ABIE**

**Observation Objective\_ Parameter. Details**

0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	Observation Objective_ Parameter. Identification. Identifier The identifier for this observation objective parameter.
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	Observation Objective_ Parameter. Value. Text The value, expressed as text, of this observation objective parameter.
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	Observation Objective_ Parameter. Value. Measure The measure of the value for this observation objective parameter.
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	Observation Objective_ Parameter. Type. Code The code specifying the type of observation objective parameter, such as retailer, country, toxic standard or examination type.
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	Observation Objective_ Parameter. Description. Text The textual description of this observation objective parameter.
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	Observation Objective_ Parameter. Name. Text The name, expressed as text, for this observation objective parameter.
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	Observation Objective_ Parameter. Value Allowed. Indicator The indication of whether or not this value is allowed for this parameter observation objective.
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	Observation Objective_ Parameter. Status. Code The code specifying the status of this observation objective parameter.
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	Observation Objective_ Parameter. Status_ Value. Measure The measure of the status value for this observation objective parameter.



Occurrence	Element/Attribute
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## ABIE

## Photographic\_Picture. Details

0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<ul style="list-style-type: none"> <li>Photographic_Picture. Area Included. Text</li> <li>The area or location, expressed as text, that is included in this photographic picture.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<ul style="list-style-type: none"> <li>Photographic_Picture. Copyright Owner Name. Text</li> <li>The name of the copyright owner, expressed as text, for this photographic picture.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<ul style="list-style-type: none"> <li>Photographic_Picture. Description. Text</li> <li>The textual description of this photographic picture.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<ul style="list-style-type: none"> <li>Photographic_Picture. Digital Image. Binary Object</li> <li>Binary object data that is the actual digital image for this photographic picture.</li> </ul>
0 .. unbounded	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<ul style="list-style-type: none"> <li>Photographic_Picture. Identification. Identifier</li> <li>An identifier for this photographic picture.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<ul style="list-style-type: none"> <li>Photographic_Picture. Subject. Text</li> <li>The subject, expressed as text, of this photographic picture.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<ul style="list-style-type: none"> <li>Photographic_Picture. Taken. Date Time</li> <li>The date, time, date time, or other date value of when this photographic picture was created.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<ul style="list-style-type: none"> <li>Photographic_Picture. Title Name. Text</li> <li>The name, expressed as text, of the title for this photographic picture.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<ul style="list-style-type: none"> <li>Photographic_Picture. Type. Text</li> <li>The type, expressed as text, of this photographic picture.</li> </ul>

Occurrence	Element/Attribute
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**ABIE**      **Referenced\_Location. Details**

0 .. 1	—BBIE Definition:	Referenced_Location. Identification. Identifier The unique identifier for this referenced location.
0 .. unbounded	—BBIE Definition:	Referenced_Location. Name. Text A name, expressed as text, of this referenced location.
0 .. 1	—BBIE Definition:	Referenced_Location. Type. Code The code specifying the type of referenced location.
0 .. 1	—BBIE Definition:	Referenced_Location. Description. Text The textual description for this referenced location.
0 .. 1	—ASBIE Definition:	<b>Referenced_Location. Physical. Specified_Geographical Coordinate</b> Geographical coordinate information for this referenced location.
0 .. 1	—ASBIE Definition:	<b>Referenced_Location. Physical. Structured_Address</b> The physical address of this referenced location.
0 .. 1	—ASBIE Definition:	<b>Referenced_Location. Included. Specified_Polygon</b> The polygon included for this referenced location.
0 .. unbounded	—ASBIE Definition:	<b>Referenced_Location. Specified. Laboratory Observation_Reference</b> A laboratory observation reference specified for this referenced location.

Occurrence	Element/Attribute
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**ABIE**

**Sampled Object\_ Additive. Details**

0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> </ul>	Sampled Object_ Additive. Name. Text
	Definition:	The name, expressed as text, for this sampled object additive.
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> </ul>	Sampled Object_ Additive. Description. Text
	Definition:	The textual description of this sampled object additive, such as a name identifying the type and characteristics of the product.
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> </ul>	Sampled Object_ Additive. Standard_ Type. Code
	Definition:	The code specifying the standard type for this sampled object additive.
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> </ul>	Sampled Object_ Additive. Local_ Type. Code
	Definition:	The code specifying the local type for this sampled object additive.

**ABIE****Sampled Object\_ Animal. Details**

1 .. 1	—BBIE	Sampled Object_ Animal. Identification. Identifier
	Definition:	The identifier for this sampled object animal, such as the number appearing on its ear tag.
1 .. 1	—BBIE	Sampled Object_ Animal. Species_ Type. Code
	Definition:	The code specifying the type of species of this sampled object animal, such as bovine, sheep, goat, chicken, dog, cat, rat, salmon, catfish, whale.
0 .. 1	—BBIE	Sampled Object_ Animal. Birth. Date Time
	Definition:	The date of birth for this sampled object animal.
0 .. 1	—BBIE	Sampled Object_ Animal. Gender. Code
	Definition:	The code specifying the gender of this sampled object animal.
0 .. 1	—BBIE	Sampled Object_ Animal. Death. Date Time
	Definition:	The date of death for this sampled object animal.
0 .. 1	—BBIE	Sampled Object_ Animal. Mother. Identifier
	Definition:	The identifier of the mother of this sampled object animal.
0 .. 1	—BBIE	Sampled Object_ Animal. Father. Identifier
	Definition:	The identifier of the father of this sampled object animal.
0 .. 1	—BBIE	Sampled Object_ Animal. Holder Name. Text
	Definition:	The name, expressed as text, of the holder of this sampled object animal.

Occurrence	Element/Attribute
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Occurrence	Element/Attribute
0 .. 1	<p><b>ABIE</b></p> <p>BBIE Definition: Sampled Object_Cargo. Storage_Type. Code The code specifying the type of package and storage in the transport unit for this sampled object cargo.</p>
1 .. 1	<p><b>Sampled Object_Cargo. Details</b></p> <p>BBIE Definition: Sampled Object_Cargo. Name. Text The name, expressed as text, for this sampled object cargo.</p>

Occurrence	Element/Attribute
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**ABIE**

**Sampled Object\_Contract. Details**

0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<p>Sampled Object_Contract. Identification. Identifier</p> <p>The identifier of this sampled object contract.</p>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<p>Sampled Object_Contract. Type. Code</p> <p>The code specifying the type of sampled object contract.</p>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<p>Sampled Object_Contract. Issue. Date Time</p> <p>The date, date time, or other date time value for the issuance of this sampled object contract.</p>

## ABIE

## Sampled Object\_Crop. Details

0 .. 1	BBIE	Sampled Object_Crop. Botanical Identification. Identifier
	Definition:	The botanical identification for this sampled object crop.
0 .. 1	BBIE	Sampled Object_Crop. Botanical Genus. Code
	Definition:	The code specifying the botanical genus for this sampled object crop.
0 .. 1	BBIE	Sampled Object_Crop. Botanical Species. Code
	Definition:	The code specifying the botanical species for this sampled object crop.
0 .. 1	BBIE	Sampled Object_Crop. Botanical Species Variety. Code
	Definition:	The code specifying the botanical species variety for this sampled object crop.
0 .. 1	BBIE	Sampled Object_Crop. Classification. Code
	Definition:	The code specifying the classification for this sampled object crop.
0 .. unbounded	BBIE	Sampled Object_Crop. Description. Text
	Definition:	A textual description for this sampled object crop.
0 .. 1	BBIE	Sampled Object_Crop. Development Stage. Code
	Definition:	The code specifying the development stage for this sampled object crop.
0 .. 1	BBIE	Sampled Object_Crop. Cultivation Type. Code
	Definition:	The code specifying the type of cultivation of this sampled object crop.
0 .. 1	BBIE	Sampled Object_Crop. Propagation Material. Indicator
	Definition:	The indication of whether or not this sampled object crop is propagation material.
0 .. 1	BBIE	Sampled Object_Crop. Size. Measure
	Definition:	The measure of the size of this sampled object crop.
0 .. 1	BBIE	Sampled Object_Crop. Botanical Name. Text
	Definition:	The botanical name, expressed as text, for this sampled object crop.
0 .. 1	BBIE	Sampled Object_Crop. Cultivation Coverage. Code
	Definition:	The code specifying a type of cultivation coverage, such as glass, for this sampled object crop.
0 .. 1	BBIE	Sampled Object_Crop. Cultivation Medium. Code
	Definition:	The code specifying a type of cultivation medium, such as substrate, for this sampled object crop.
0 .. 1	BBIE	Sampled Object_Crop. Cultivation Container. Code
	Definition:	The code specifying a type of cultivation container, such as a pot or an iron cabinet, for this sampled object crop.
0 .. 1	BBIE	Sampled Object_Crop. Harvest. Date Time
	Definition:	The date, time, date time, or other date time value on which this sampled object crop has been harvested.

Occurrence	Element/Attribute
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**ABIE**

**Sampled Object\_Illness. Details**

0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<p>Sampled Object_Illness. Start. Date Time</p> <p>The day the sampled object illness started.</p>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<p>Sampled Object_Illness. Symptom. Text</p> <p>The symptom or symptoms, expressed as text, of this sampled object illness.</p>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<p>Sampled Object_Illness. Distribution Level. Text</p> <p>The level of illness distribution on an organism, expressed as text, for this sampled object illness.</p>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<p>Sampled Object_Illness. Affected Part. Text</p> <p>The part or parts of an organism affected by this sampled object illness, expressed as text, such as whole animal or crop, or only lower parts.</p>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<p>Sampled Object_Illness. Increasing. Indicator</p> <p>The indication of whether or not this sampled object illness is increasing.</p>



Occurrence	Element/Attribute
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Occurrence	Element/Attribute
	<b>ABIE</b> <b>Sampled Object_Silage. Details</b>
1 .. 1	<ul style="list-style-type: none"> <li>—BBIE <b>Sampled Object_Silage. Crop Mowing. Date Time</b> Definition: The date, expressed as date time, indicating the day that the crop is mowed for this sampled object silage.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE <b>Sampled Object_Silage. Process Type. Text</b> Definition: The name or code, expressed as text, to indicate the type of silage process and storage for this sampled object silage.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE <b>Sampled Object_Silage. Silaging. Date Time</b> Definition: The date, expressed as date time, indicating the day the crop is stored in the silo or packed and sealed in packs for this sampled object silage.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—ASBIE <b>Sampled Object_Silage. Field_Drying. Base_Period</b> Definition: The field drying period for this sampled object silage.</li> </ul>

Occurrence	Element/Attribute
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**ABIE**

**Sampled Object\_Soil. Details**

1 .. 1	<ul style="list-style-type: none"> <li>—BBIE Sampled Object_Soil. Type. Text</li> <li>Definition: The type, expressed as text, for this sample object soil.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Sampled Object_Soil. Upper Boundary_Depth. Measure</li> <li>Definition: The measure of the upper depth boundary of the zone from which this sampled object soil is taken, measured from the earth's surface.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Sampled Object_Soil. Lower Boundary_Depth. Measure</li> <li>Definition: The measure of the lower depth boundary of the zone from which this sampled object soil is taken, measured from the earth's surface.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Sampled Object_Soil. Depth. Measure</li> <li>Definition: The measure of the depth at which this sampled object soil is taken, measured from the earth's surface.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Sampled Object_Soil. Previous_Crop. Text</li> <li>Definition: The crop, expressed as text, that was cultivated on this soil in the previous year or years.</li> </ul>

Occurrence	Element/Attribute
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**ABIE**

**Sampled Object\_ Water Location. Details**

1 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<p>Sampled Object_ Water Location. Identification. Identifier</p> <p>The identifier of this sampled object water location.</p>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<p>Sampled Object_ Water Location. Name. Text</p> <p>The name, expressed as text, of this sampled object water location.</p>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<p>Sampled Object_ Water Location. Type. Text</p> <p>The type, expressed as text, of this sampled object water location, such as surface water or groundwater.</p>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<p>Sampled Object_ Water Location. Depth. Measure</p> <p>The measure of the depth of this sampled object water location, indicating in the case of surface water at which water depth the sample is taken, and in the case of groundwater, at what depth below surface the filter in the borehole is.</p>

Occurrence	Element/Attribute
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## ABIE

## Sample\_ Observation Request. Details

1 .. 1	—BBIE Definition:	Sample_ Observation Request. Identification. Identifier The identifier for this sample observation request.
0 .. 1	—BBIE Definition:	Sample_ Observation Request. Material Type. Text The material type of the to be observed sample, expressed as text, such as animal or blood.
0 .. 1	—BBIE Definition:	Sample_ Observation Request. General Characteristic. Text The general characteristic, expressed as text, for this sample observation request, such as length, volume, density, titre, sensitivity, conductivity.
0 .. 1	—BBIE Definition:	Sample_ Observation Request. Requested_ Observation Start. Date Time The date, time, date time, or other date time value for the start of the observation for this sample observation request.
0 .. 1	—BBIE Definition:	Sample_ Observation Request. Requested_ Observation End. Date Time The date, time, date time, or other date time value for the end of the observation for this sample observation request.
0 .. 1	—BBIE Definition:	Sample_ Observation Request. Observation Time Frame. Text The observation time frame, expressed as text, for this sample observation request.
0 .. 1	—BBIE Definition:	Sample_ Observation Request. Emergency Observation. Indicator The indication of whether or not the observation was an emergency observation for this sample observation request.
0 .. 1	—BBIE Definition:	Sample_ Observation Request. Outsourced Observation. Indicator The indication of whether or not the observation will be an outsourced observation (performed by a third party).
0 .. 1	—BBIE Definition:	Sample_ Observation Request. Material Type. Code The code specifying a material type for this sample observation request.
0 .. unbounded	—ASBIE Definition:	<b>Sample_ Observation Request. Specified. Laboratory Observation_ Reference</b> A laboratory observation reference specified for this sample observation request.
0 .. 1	—ASBIE Definition:	<b>Sample_ Observation Request. Authorization. Laboratory Observation_ Party</b> The laboratory observation party who authorized this sample observation request.
0 .. unbounded	—ASBIE Definition:	<b>Sample_ Observation Request. Attached. Laboratory Observation_ Note</b> A note attached to the laboratory observation request with additional observations and or conclusions.
0 .. unbounded	—ASBIE Definition:	<b>Sample_ Observation Request. Requested. Laboratory Observation Analysis_ Method</b> A laboratory observation analysis method used for this sample observation request.
0 .. unbounded	—ASBIE Definition:	<b>Sample_ Observation Request. Minimum Standard Value_ Specified. Sample_ Observation Request Characteristic</b> A minimum standard value of the values for the characteristic to be observed or to be measured by using the specified type of observation for this sample observation request.
0 .. unbounded	—ASBIE Definition:	<b>Sample_ Observation Request. Maximum Standard Value_ Specified. Sample_ Observation Request Characteristic</b> A maximum standard value of the values for the characteristic to be observed or to be measured by using the specified type of observation for this sample observation request.
0 .. unbounded	—ASBIE Definition:	<b>Sample_ Observation Request. Expected_ Specified. Sample_ Observation Request Characteristic</b> An expected value for the characteristic, to be observed or to be measured according to the specified type of observation, for this sample observation request.
0 .. unbounded	—ASBIE Definition:	<b>Sample_ Observation Request. Specified. Laboratory Observation_ Instructions</b> A set of laboratory observation instructions specified for this sample observation request.
0 .. 1	—ASBIE Definition:	<b>Sample_ Observation Request. Outsourced Laboratory. Laboratory Observation_ Party</b> The outsourced laboratory party who will perform this sample observation request.
0 .. unbounded	—ASBIE Definition:	<b>Sample_ Observation Request. Applicable. Observation Objective_ Parameter</b> An observation objective parameter applicable to this sample observation request.

Occurrence	Element/Attribute
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## ABIE

## Sample\_ Observation Request Characteristic. Details

0 .. 1	BBIE Definition:	Sample_ Observation Request Characteristic. Method Parameter. Identifier The identifier of the method parameter for this sample observation request characteristic.
0 .. 1	BBIE Definition:	Sample_ Observation Request Characteristic. Parameter Value. Text The parameter value, expressed as text, for this sample observation request characteristic.
0 .. 1	BBIE Definition:	Sample_ Observation Request Characteristic. Comparison Operator. Code The code specifying the operator, such as less than, greater than or equal to, for comparing the measured value for this sample observation request characteristic.
0 .. 1	BBIE Definition:	Sample_ Observation Request Characteristic. Measured Value. Measure The measured value, expressed as a measure, for this sample observation request characteristic.
0 .. 1	BBIE Definition:	Sample_ Observation Request Characteristic. Measured Value. Text The measured value, expressed as text, for this sample observation request characteristic.
0 .. 1	BBIE Definition:	Sample_ Observation Request Characteristic. Range. Text The range, expressed as text, of the values of the measurements performed for this sample observation request characteristic.
0 .. 1	BBIE Definition:	Sample_ Observation Request Characteristic. Measured Accuracy. Measure Accuracy, expressed as a measure, of the measurement for this sample observation request characteristic.
0 .. 1	BBIE Definition:	Sample_ Observation Request Characteristic. Quality Result. Code The code specifying the quality of the result for this sample observation request characteristic.
0 .. 1	BBIE Definition:	Sample_ Observation Request Characteristic. Quality Result Description. Text The textual description of the quality of the result for this sample observation request characteristic.
0 .. 1	BBIE Definition:	Sample_ Observation Request Characteristic. Reference Level_ Quality Result Des The textual description of the reference level for the quality of the result for this sample observation request characteristic.
0 .. 1	BBIE Definition:	Sample_ Observation Request Characteristic. Applied Dilution. Numeric The rate of the applied dilution for this sample observation request characteristic.
0 .. unbounded	ASBIE Definition:	<b>Sample_ Observation Request Characteristic. Applicable. Observation Objective_ Parameter</b> An applicable observation objective parameter of the interpretation result for this observation request characteristic.

Occurrence	Element/Attribute
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## ABIE **Sample\_ Observation Result. Details**

1 .. 1	—BBIE Definition:	Sample_ Observation Result. Identification. Identifier The identifier for this sample observation result.
0 .. 1	—BBIE Definition:	Sample_ Observation Result. Material Type. Text The context material type of the observed sample, expressed as text, such as animal or blood.
0 .. 1	—BBIE Definition:	Sample_ Observation Result. General Characteristic. Text The general characteristic, expressed as text, for this sample observation result, such as length, volume, density, titre, sensitivity, conductivity.
0 .. 1	—BBIE Definition:	Sample_ Observation Result. Actual_ Observation Start. Date Time The date, time, date time, or other date time value for the start of the observation for this sample observation result.
0 .. 1	—BBIE Definition:	Sample_ Observation Result. Actual_ Observation End. Date Time The date, time, date time, or other date time value for the end of the observation for this sample observation result.
0 .. 1	—BBIE Definition:	Sample_ Observation Result. Observation Time Frame. Text The observation time frame, expressed as text, for this sample observation result.
0 .. 1	—BBIE Definition:	Sample_ Observation Result. Observation Discontinuation Reason. Text The observation discontinuation reason, expressed as text, for this sample observation result.
0 .. 1	—BBIE Definition:	Sample_ Observation Result. Emergency Observation. Indicator The indication of whether or not the observation was an emergency observation for this sample observation result.
0 .. 1	—BBIE Definition:	Sample_ Observation Result. Outsourced Observation. Indicator The indication of whether or not the observation was an outsourced observation (performed by a third party).
0 .. 1	—BBIE Definition:	Sample_ Observation Result. Observation Discontinuation Reason. Code The code specifying the observation discontinuation reason for this sample observation result.
0 .. 1	—BBIE Definition:	Sample_ Observation Result. Material Type. Code The code specifying a material type for this sample observation result.
0 .. unbounded	—ASBIE Definition:	<b>Sample_ Observation Result. Specified. Laboratory Observation_ Reference</b> A laboratory observation reference specified for this sample observation result.
0 .. 1	—ASBIE Definition:	<b>Sample_ Observation Result. Authorization. Laboratory Observation_ Party</b> The laboratory observation party who authorized this sample observation result.
0 .. unbounded	—ASBIE Definition:	<b>Sample_ Observation Result. Attached. Laboratory Observation_ Note</b> A note attached to the laboratory observation results with additional observations and or conclusions.
0 .. unbounded	—ASBIE Definition:	<b>Sample_ Observation Result. Used. Laboratory Observation Analysis_ Method</b> A laboratory observation analysis method used for this sample observation result.
0 .. unbounded	—ASBIE Definition:	<b>Sample_ Observation Result. Minimum Standard Value_ Specified. Sample_ Observation Result Characteristic</b> A minimum standard value of the values for the characteristic observed or measured by using the specified type of observation for this sample observation result.
0 .. unbounded	—ASBIE Definition:	<b>Sample_ Observation Result. Maximum Standard Value_ Specified. Sample_ Observation Result Characteristic</b> A maximum standard value of the values for the characteristic observed or measured by using the specified type of observation for this sample observation result.
0 .. unbounded	—ASBIE Definition:	<b>Sample_ Observation Result. Observed Value_ Specified. Sample_ Observation Result Characteristic</b> An observed value for the characteristic, acquired by observing or measuring according to the specified type of observation for this sample observation result.
0 .. unbounded	—ASBIE Definition:	<b>Sample_ Observation Result. Expected Value_ Specified. Sample_ Observation Result Characteristic</b> An expected value for the characteristic, observed or measured according to the specified type of observation for this sample observation result.
0 .. 1	—ASBIE Definition:	<b>Sample_ Observation Result. Laboratory Analysis Request_ Specified. Laboratory Observation_ Reference</b> The laboratory observation analysis request reference specified for this sample observation result.
0 .. unbounded	—ASBIE Definition:	<b>Sample_ Observation Result. Specified. Laboratory Observation_ Instructions</b> A set of laboratory observation instructions specified for this sample observation result.
0 .. 1	—ASBIE Definition:	<b>Sample_ Observation Result. Outsourced Laboratory. Laboratory Observation_ Party</b> The outsourced laboratory party who performed this sample observation result.

Occurrence	Element/Attribute
0 .. unbounded	<p data-bbox="343 286 1444 347"> <b>ASBIE</b>      <b>Sample_ Observation Result. Interpretation Result_ Applicable. Observation Objective_ Parameter</b> </p> <p data-bbox="343 347 1444 409"> <b>Definition:</b>      An applicable observation objective parameter of the interpretation result for this sample observation result. </p>

**ABIE****Sample\_ Observation Result Characteristic.  
Details**

0 .. 1	BBIE Definition:	Sample_ Observation Result Characteristic. Method Parameter. Identifier The identifier of the method parameter for this sample observation result characteristic.
0 .. 1	BBIE Definition:	Sample_ Observation Result Characteristic. Parameter Value. Text The parameter value, expressed as text, for this sample observation result characteristic.
0 .. 1	BBIE Definition:	Sample_ Observation Result Characteristic. Comparison Operator. Code The code specifying the operator, such as less than, greater than or equal to, for comparing the measured value for this sample observation result characteristic.
0 .. 1	BBIE Definition:	Sample_ Observation Result Characteristic. Measured Value. Measure The measured value, expressed as a measure, for this sample observation result characteristic.
0 .. 1	BBIE Definition:	Sample_ Observation Result Characteristic. Measured Value. Text The measured value, expressed as text, for this sample observation result characteristic.
0 .. 1	BBIE Definition:	Sample_ Observation Result Characteristic. Range. Text The range, expressed as text, of the values of the measurements performed for this observation result characteristic sample.
0 .. 1	BBIE Definition:	Sample_ Observation Result Characteristic. Measured Accuracy. Measure Accuracy, expressed as a measure, of the measurement for this sample observation result characteristic.
0 .. 1	BBIE Definition:	Sample_ Observation Result Characteristic. Quality Result. Code The code specifying the quality of the result for this sample observation result characteristic.
0 .. 1	BBIE Definition:	Sample_ Observation Result Characteristic. Quality Result Description. Text The textual description of the quality of the result for this sample observation result characteristic.
0 .. 1	BBIE Definition:	Sample_ Observation Result Characteristic. Reference Level_ Quality Result Descri The textual description of the reference level for the quality of the result for this sample observation result characteristic.
0 .. 1	BBIE Definition:	Sample_ Observation Result Characteristic. Applied Dilution. Numeric The rate of the applied dilution for this sample observation result characteristic.
0 .. unbounded	ASBIE Definition:	<b>Sample_ Observation Result Characteristic. Interpretation Result_ Applicable. Observation Objective_ Parameter</b> An applicable observation objective parameter of the interpretation result for this sample observation result characteristic.



Occurrence	Element/Attribute
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## ABIE

## Specified\_ Binary File. Details

0 .. unbounded	BBIE	Specified_ Binary File. Identification. Identifier
	Definition:	A unique identifier for this specified binary file.
0 .. unbounded	BBIE	Specified_ Binary File. Title. Text
	Definition:	A title, expressed as text, for this specified binary file.
0 .. unbounded	BBIE	Specified_ Binary File. Author Name. Text
	Definition:	An author name, expressed as text, of this specified binary file.
0 .. 1	BBIE	Specified_ Binary File. Version. Identifier
	Definition:	The unique version identifier for this specified binary file.
0 .. 1	BBIE	Specified_ Binary File. File Name. Text
	Definition:	A file name, expressed as text, of this specified binary file.
0 .. 1	BBIE	Specified_ Binary File. URI. Identifier
	Definition:	A unique Uniform Resource Identifier (URI) for this specified binary file.
0 .. 1	BBIE	Specified_ Binary File. MIME. Code
	Definition:	A code specifying the Multipurpose Internet Mail Extensions (MIME) type for this specified binary file.
0 .. 1	BBIE	Specified_ Binary File. Encoding. Code
	Definition:	A code specifying the encoding of this specified binary file.
0 .. 1	BBIE	Specified_ Binary File. Character Set. Code
	Definition:	A code specifying the character set for this specified binary file.
0 .. unbounded	BBIE	Specified_ Binary File. Included. Binary Object
	Definition:	An included binary object for this specified binary file.
0 .. unbounded	BBIE	Specified_ Binary File. Access. Text
	Definition:	Access information, expressed as text, for this specified binary file such as security and download parameters.
0 .. unbounded	BBIE	Specified_ Binary File. Description. Text
	Definition:	A textual description of this specified binary file.
0 .. 1	BBIE	Specified_ Binary File. Size. Measure
	Definition:	A measure of the size of this specified binary file.
0 .. 1	ASBIE	<b>Specified_ Binary File. Access Availability. Specified_ Period</b>
	Definition:	The specified period when access to this binary file is available.

Occurrence	Element/Attribute
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**ABIE**

**Specified\_ Communication. Details**

0 .. 1

BBIE

Definition:

Specified\_ Communication. URI. Identifier

The Uniform Resource Identifier (URI), such as a web or an email address, for this specified communication.

0 .. 1

BBIE

Definition:

Specified\_ Communication. Complete Number. Text

The text string of characters that make up the complete number for this specified communication.

Occurrence	Element/Attribute
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## ABIE

## Specified\_Direct Position. Details

0 .. 1	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<ul style="list-style-type: none"> <li>Specified_Direct Position. Name. Text</li> <li>The name, expressed as text, of the reference for this specified direct position.</li> </ul>
0 .. unbounded	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<ul style="list-style-type: none"> <li>Specified_Direct Position. Coordinate Reference Dimension. Text</li> <li>A coordinate reference dimension, expressed as text, for this specified direct position.</li> </ul>
0 .. unbounded	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<ul style="list-style-type: none"> <li>Specified_Direct Position. Axis_Label List. Text</li> <li>An ordered list of axis labels, expressed as text, for this specified direct position.</li> </ul>
0 .. unbounded	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<ul style="list-style-type: none"> <li>Specified_Direct Position. UOM_Label List. Text</li> <li>An ordered list of Unit Of Measure (UOM) labels, expressed as text, for this specified direct position.</li> </ul>
0 .. unbounded	<ul style="list-style-type: none"> <li>—BBIE</li> <li>Definition:</li> </ul>	<ul style="list-style-type: none"> <li>Specified_Direct Position. Count. Numeric</li> <li>A count for this specified direct position.</li> </ul>

Occurrence	Element/Attribute
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## ABIE

## Specified\_ Geographical Coordinate. Details

0 .. 1	BBIE Definition:	Specified_ Geographical Coordinate. Altitude. Measure The measure of the altitude that reflects the vertical elevation of an object above a surface for this specified geographical coordinate (Reference ISO 6709).
0 .. 1	BBIE Definition:	Specified_ Geographical Coordinate. Latitude. Measure The measure of the latitude as an angular distance north or south from the Equator meridian to the meridian of a specific place for this specified geographical coordinate. (Reference ISO 6709).
0 .. 1	BBIE Definition:	Specified_ Geographical Coordinate. Longitude. Measure The measure of the longitude as an angular distance east or west from the Greenwich meridian to the meridian of a specific place for this specified geographical coordinate. (Reference ISO 6709).
0 .. 1	BBIE Definition:	Specified_ Geographical Coordinate. Latitude Direction. Indicator The indication of whether the latitude compass direction from the Equator meridian to the meridian of a specific place for this specified geographical coordinate is North (+) or South (-). (Reference ISO 6709).
0 .. 1	BBIE Definition:	Specified_ Geographical Coordinate. Longitude Direction. Indicator The indication of whether the longitude as a compass direction from the Greenwich meridian to the meridian of a specific place is East (+) or West (-) for this specified geographical coordinate. (Reference ISO 6709).
0 .. 1	BBIE Definition:	Specified_ Geographical Coordinate. System. Identifier The unique identifier of the system used for measuring this specified geographical coordinate.

Occurrence	Element/Attribute
	<b>ABIE Specified_Linear Ring. Details</b>
0 .. unbounded	<ul style="list-style-type: none"> <li>BBIE Specified_Linear Ring. Coordinate. Text</li> <li>Definition: A coordinate, expressed as text, for this specified linear ring.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li><b>ASBIE Specified_Linear Ring. Coordinate. Specified_Direct Position</b></li> <li>Definition: The specified direct position of a coordinate for this linear ring.</li> </ul>

**ABIE****Specified\_Period. Details**

0 .. unbounded	BBIE Definition:	Specified_Period. Duration. Measure A measure of the length of time for this specified time period such as hours, days, weeks, months, years.
0 .. 1	BBIE Definition:	Specified_Period. Inclusive. Indicator The indication of whether or not the start and end dates are included in this specified period.
0 .. unbounded	BBIE Definition:	Specified_Period. Description. Text A textual description of this specified period of time.
0 .. 1	BBIE Definition:	Specified_Period. Start. Date Time The date, time, date time or other date time value for the start of this specified period of time.
0 .. 1	BBIE Definition:	Specified_Period. End. Date Time The date, time, date time or other date time value for the end of this specified period of time.
0 .. 1	BBIE Definition:	Specified_Period. Complete. Date Time The date, time, date time or other date time value for a complete specified period of time expressed as a specific month, a specific week, etc.
0 .. 1	BBIE Definition:	Specified_Period. Open. Indicator The indication of whether or not an entity is open during this specified period.
0 .. 1	BBIE Definition:	Specified_Period. Season. Code The code specifying the season for this specified period.
0 .. 1	BBIE Definition:	Specified_Period. Identification. Identifier The unique identifier of this specified period.
0 .. unbounded	BBIE Definition:	Specified_Period. Name. Text A name, expressed as text, of this specified period.
0 .. unbounded	BBIE Definition:	Specified_Period. Sequence. Numeric A sequence number for this specified period.
0 .. 1	BBIE Definition:	Specified_Period. Start Date Flexibility. Code The code specifying the flexibility of the start date of this specified period.
0 .. 1	BBIE Definition:	Specified_Period. Continuous. Indicator The indication of whether or not this specified period is continuous.
0 .. 1	BBIE Definition:	Specified_Period. Purpose. Code The code specifying the purpose of this specified period.

Occurrence	Element/Attribute
	<b>ABIE Specified_Polygon. Details</b>
0 .. unbounded	<b>ASBIE Specified_Polygon. Interior. Specified_Linear Ring</b> <b>Definition:</b> An interior linear ring specified for this polygon.
1 .. 1	<b>ASBIE Specified_Polygon. Exterior. Specified_Linear Ring</b> <b>Definition:</b> The exterior linear specified ring for this polygon.

Occurrence	Element/Attribute
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## ABIE

## Structured\_Address. Details

0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Structured_Address. Identification. Identifier</li> <li>Definition: The unique identifier in the structured address.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Structured_Address. Postcode. Code</li> <li>Definition: The code specifying the postcode in the structured address.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Structured_Address. Building Name. Text</li> <li>Definition: The name, expressed as text, of a building, a house or other structure on a street in the structured address.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Structured_Address. Street Name. Text</li> <li>Definition: The name, expressed as text, of a street or thoroughfare in the structured address.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Structured_Address. City Name. Text</li> <li>Definition: The name, expressed as text, of the city, town or village in the structured address.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Structured_Address. Country. Identifier</li> <li>Definition: The unique identifier of a country in the structured address (Reference ISO 3166 and UN/ECE Rec 3).</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Structured_Address. City Sub-Division Name. Text</li> <li>Definition: The name, expressed as text, of a sub-division of a city, town or village in the structured address.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Structured_Address. Country Name. Text</li> <li>Definition: The name, expressed as text, of the country in the structured address.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Structured_Address. Country Sub-Division Name. Text</li> <li>Definition: The name, expressed as text, of the sub-division of a country in the structured address.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Structured_Address. Block Name. Text</li> <li>Definition: The block name, expressed as text, for an area surrounded by streets for this structured address.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Structured_Address. Plot Identification. Text</li> <li>Definition: The identification, expressed as text, of the plot for this structured address.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Structured_Address. Post Office Box. Text</li> <li>Definition: The unique identifier, expressed as text, of a container commonly referred to as a box, in a post office or other postal service location, where postal items may be kept for this structured address.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Structured_Address. Building Number. Text</li> <li>Definition: The number, expressed as text, of a building or house on a street at this structured address.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Structured_Address. Staircase Number. Text</li> <li>Definition: The number, expressed as text, of a staircase for this structured address.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Structured_Address. Floor Identification. Text</li> <li>Definition: The identification by name or number, expressed as text, of the floor in a building as part of this structured address.</li> </ul>
0 .. 1	<ul style="list-style-type: none"> <li>—BBIE Structured_Address. Room Identification. Text</li> <li>Definition: The identification, expressed as text, of a room, suite, office or apartment as part of this structured address.</li> </ul>



## 5.2 Basic Business Information Entities section

This section identifies any restrictions that have to be applied to the BBIE in the context in which it is being used.

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component			Supplementary component Restrictions	
				Restrictions	Expression Type	Restriction Value	Supplementary Component Name	Supplementary Value
Agricultural Sample_ Autopsy. Type. Text	Text		Autopsy.Type.Text					
Agricultural Sample_ Autopsy. Procedure. Text	Text		Autopsy.Procedure.Text					
Agricultural Sample_ Tissue. Anatomical Name. Text	Text		Tissue.Anatomical Name.Text					
Agricultural Sample_ Tissue. Anatomical Location. Text	Text		Tissue.Anatomical Location.Text					
Agricultural_ Sample Type. Local_ Type. Code	Code		Sample Type.Local.Type.Code					
Agricultural_ Sample Type. Standard_ Type. Code	Code		Sample Type.Standard.Type.Code					
Agricultural_ Sample Type. Material_ Type. Text	Text		Sample Type.Material.Type.Text					
Agricultural_ Sample Type. Material_ Type. Code	Code		Sample Type.Material.Type.Code					
Agricultural_ Sample. Intake_ Identification. Identifier	Identifier		Sample.Intake.Identification.Identifier					
Agricultural_ Sample. Serial_ Identification. Identifier	Identifier		Sample.Serial.Identification.Identifier					
Agricultural_ Sample. LIMS_ Registration. Date Time	Date Time		Sample.LIMS.Registration.Date Time					
Agricultural_ Sample. Sampling. Date Time	Date Time		Sample.Sampling.Date Time					
Agricultural_ Sample. Sealed. Indicator	Indicator		Sample.Sealed.Indicator					
Agricultural_ Sample. Sealed. Date Time	Date Time		Sample.Sealed.Date Time					
Agricultural_ Sample. Packaging Type. Text	Text		Sample.Packaging Type.Text					
Agricultural_ Sample. Sender Assigned_ Identification. Identifier	Identifier		Sample.Sender Assigned.Identification.Identifier					
Agricultural_ Sample. Receipt. Date Time	Date Time		Sample.Receipt.Date Time					
Agricultural_ Sample. Type Name. Text	Text		Sample.Type Name.Text					
Agricultural_ Sample. Information. Text	Text		Sample.Information.Text					
Agricultural_ Sample. Size. Measure	Measure		Sample.Size.Measure					
Agricultural_ Sample. Storage_ Temperature. Measure	Measure		Sample.Storage.Temperature.Measure					

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions	
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value
Agricultural_ Sample. Microbiology_ Start. Date Time	Date Time		Sample.Microbiology.Start.Date Time					
Agricultural_ Sample. Preservation_ End. Date Time	Date Time		Sample.Preservation.End.Date Time					
Agricultural_ Sample. Interpretation Result. Text	Text		Sample.Interpretation Result.Text					
Agricultural_ Sample. Processing_ Status. Code	Code		Sample. Status.Code					
Agricultural_ Sampled Object. Identification. Identifier	Identifier		Sampled Object.Identification.Identifier					
Agricultural_ Sampled Object. Name. Text	Text		Sampled Object.Name.Text					
Agricultural_ Sampled Object. Standard_ Type. Code	Code		Sampled Object.Standard.Type.Code					
Agricultural_ Sampled Object. Local_ Type. Code	Code		Sampled Object.Local.Type.Code					
Agricultural_ Sampled Object. Type Name. Text	Text		Sampled Object.Type Name.Text					
Agricultural_ Sampled Object. Production. Date Time	Date Time		Sampled Object.Production.Date Time					
Agricultural_ Sampled Object. Sampling Procedure Type. Code	Code		Sampled Object.Sampling Procedure Type.Code					
Agricultural_ Sampled Object. Sampling Procedure. Identifier	Identifier		Sampled Object.Sampling Procedure.Identifier					
Agricultural_ Sampled Object. Country Of Origin_ Identification. Identifier	Identifier		Sampled Object.Country Of Origin.Identification.Identifier					
Agricultural_ Sampled Object. Country Of Origin Sub Division_ Name. Text	Text		Sampled Object.Country Of Origin Sub Division.Name.Text					
Agricultural_ Sampled Object. Size. Measure	Measure		Sampled Object.Size.Measure					
Agricultural_ Sampled Object. Batch. Quantity	Quantity		Sampled Object.Batch.Quantity					
Agricultural_ Sampled Object. Batch_ Population Size. Measure	Measure		Sampled Object.Batch.Population Size.Measure					
Agricultural_ Sampled Object. Treatment. Text	Text		Sampled Object.Treatment.Text					
Agricultural_ Sampled Object. Batch Identification. Identifier	Identifier		Sampled Object.Batch Identification.Identifier					
Base_ Period. Inclusive. Indicator	Indicator		Period.Inclusive.Indicator					

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions	
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value
Base_Period.Start.Date Time	Date Time		Period.Start.Date Time					
Base_Period.End.Date Time	Date Time		Period.End.Date Time					
Base_Period.Description.Text	Text		Period.Description.Text					
Laboratory Observation Analysis_Method.Name.Text	Text		Method.Name.Text					
Laboratory Observation Analysis_Method.Obligatory_Type.Code	Code		Method.Obligatory.Type.Code					
Laboratory Observation Analysis_Method.Standard_Type.Code	Code		Method.Standard.Type.Code					
Laboratory Observation Analysis_Method.Local_Type.Code	Code		Method.Local.Type.Code					
Laboratory Observation Analysis_Method.External Reference.Text	Text		Method.External Reference.Text					
Laboratory Observation Analysis_Method.Information.Text	Text		Method.Information.Text					
Laboratory Observation Analysis_Method.Sampled Object Minimum_Required Object Size.Measure	Measure		Method.Sampled Object Minimum.Required Object Size.Measure					
Laboratory Observation Analysis_Method.Certification_Type.Code	Code		Method.Certification.Type.Code					
Laboratory Observation Analysis_Method.Certification_Identifier.Identifier	Identifier		Method.Certification.Identifier.Identifier					
Laboratory Observation Analysis_Method.Identifier.Identifier	Identifier		Method.Identifier.Identifier					
Laboratory Observation_Access Control List.Type.Code	Code		Access Control List.Type.Code					
Laboratory Observation_Access Control List.Access Right.Code	Code		Access Control List.Access Right.Code					
Laboratory Observation_Contact_Identifier.Identifier	Identifier		Contact.Identifier.Identifier					
Laboratory Observation_Contact.Person Name.Text	Text		Contact.Person Name.Text					
Laboratory Observation_Contact.Department Name.Text	Text		Contact.Department Name.Text					
Laboratory Observation_Contract_Identifier.Identifier	Identifier		Contract.Identifier.Identifier					

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions	
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value
Laboratory Observation_Contract. Observer Assigned_ Identification. Identifier	Identifier		Contract.Observer Assigned. Identification. Identifier					
Laboratory Observation_Contract. Type. Code	Code		Contract.Type.Code					
Laboratory Observation_Contract. Observation_ Type. Code	Code		Contract.Observation.Type.Code					
Laboratory Observation_Contract. Observation_ Name. Text	Text		Contract.Observation.Name.Text					
Laboratory Observation_Contract. Observation Characteristic_ Description. Text	Text		Contract.Observation Characteristic. Description. Text					
Laboratory Observation_Contract. Submission Reason_ Description. Text	Text		Contract.Submission Reason. Description. Text					
Laboratory Observation_Contract. Issue. Date Time	Date Time		Contract.Issue.Date Time					
Laboratory Observation_Contract. Observation_ End. Date	Date		Contract.Observation.End.Date					
Laboratory Observation_Contract. Last Item Delivery. Date	Date		Contract.Last Item Delivery.Date					
Laboratory Observation_Contract. Observation_ Information. Text	Text		Contract.Observation.Information.Text					
Laboratory Observation_Contract. Project. Identifier	Identifier		Contract.Project.Identifier					
Laboratory Observation_Contract. Observation Report_ Publication. Date Time	Date Time		Contract.Observation Report.Publication.Date Time					
Laboratory Observation_Contract. Requested Observation Report_ Publication. Date Time	Date Time		Contract.Requested Observation Report.Publication.Date Time					
Laboratory Observation_Contract. Standard Observation_ Lead Time. Measure	Measure		Contract.Standard Observation.Lead Time.Measure					
Laboratory Observation_Contract. Emergency Observation_ Lead Time. Measure	Measure		Contract.Emergency Observation.Lead Time.Measure					
Laboratory Observation_Contract. Emergency Observation Condition_ Information. Text	Text		Contract.Emergency Observation Condition.Information.Text					
Laboratory Observation_Contract. GMO_ Regulation. Indicator	Indicator		Contract.GMO.Regulation.Indicator					
Laboratory Observation_ Instructions. Identification.	Identifier		Instructions.Identification.Identifi					

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions	
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value
Identifier			er					
Laboratory Observation_ Instructions. Description. Text	Text		Instructions.Description.Text					
Laboratory Observation_ Instructions. Type. Text	Text		Instructions.Type.Text					
Laboratory Observation_ Instructions. Description. Code	Code		Instructions.Description.Code					
Laboratory Observation_ Instructions. Procedure. Text	Text		Instructions.Procedure.Text					
Laboratory Observation_ Instructions. Status. Code	Code		Instructions.Status.Code					
Laboratory Observation_ Instructions. Sequence. Numeric	Numeric		Instructions.Sequence.Numeric					
Laboratory Observation_ Instructions. Latest Update. Date Time	Date Time		Instructions.Latest.Update.Date Time					
Laboratory Observation_ Note. Content. Text	Text		Note.Content.Text					
Laboratory Observation_ Note. Creation. Date Time	Date Time		Note.Creation.Date Time					
Laboratory Observation_ Party. Identification. Identifier	Identifier		Party.Identification.Identifier					
Laboratory Observation_ Party. Name. Text	Text		Party.Name.Text					
Laboratory Observation_ Party. Third Party Issued Identification. Identifier	Identifier		Party.Identification.Identifier					
Laboratory Observation_ Party. Third Party Issued Identification. Text	Text		Party.Identification.Text					
Laboratory Observation_ Reference. Identification. Identifier	Identifier		Reference.Identification.Identifier					
Laboratory Observation_ Reference. Abbreviation. Text	Text		Reference.Abbreviation.Text					
Laboratory Observation_ Reference. Description. Text	Text		Reference.Description.Text					
Laboratory Observation_ Reference. Status. Text	Text		Reference.Status.Text					
Laboratory Observation_ Reference. Comment. Text	Text		Reference.Comment.Text					
Laboratory Observation_ Reference. Value. Text	Text		Reference.Value.Text					
LOR Acknowledgement_ Document Identification. Identifier	Identifier		Document Identification.Identifier					
LOR Acknowledgement_ Document Type. Code	Code		Document Type.Code					

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions	
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value
LOR Acknowledgement_ Document Name.Text	Text		Document Name.Text					
LOR Acknowledgement_ Document Issue.Date Time	Date Time		Document Issue.Date Time					
LOR Acknowledgement_ Document Report_ Submission.Date Time	Date Time		Document Report_ Submission.Date Time					
LOR Acknowledgement_ Document Report_ Receipt.Date Time	Date Time		Document Report_ Receipt.Date Time					
LOR Acknowledgement_ Document Control Requirement.Indicator	Indicator		Document Control Requirement.Indicator					
LOR Acknowledgement_ Document Creation.Date Time	Date Time		Document Creation.Date Time					
LOR Acknowledgement_ Document Status.Code	Code		Document Status.Code					
LOR Acknowledgement_ Document. Acknowledgement_ Status. Code	Code		Document Status.Code					
LOR Acknowledgement_ Document Item Identification.Identifier	Identifier		Document Item Identification.Identifier					
LOR Acknowledgement_ Document Multiple References Indicator	Indicator		Document Multiple References1Indicator					
LOR Acknowledgement_ Document Reason_ Information.Text	Text		Acknowledgement_ Document Reason_ Information.Text					
LOR Exchanged_ Document. Identification. Identifier	Identifier		Document. Identification. Identifier					
LOR Exchanged_ Document. Type. Code	Code		Document.Type.Code					
LOR Exchanged_ Document. Description. Text	Text		Document.Description.Text					
LOR Exchanged_ Document. Issue. Date Time	Date Time		Document.Issue.Date Time					
LOR Exchanged_ Document. Control Requirement. Indicator	Indicator		Document.Control Requirement.Indicator					
LOR Exchanged_ Document. Status. Code	Code		Document.Status.Code					
LOR Exchanged_ Document. Copy. Indicator	Indicator		Document.Copy.Indicator					
LOR Exchanged_ Document. Line Count. Numeric	Numeric		Document.Line Count.Numeric					
LOR Exchanged_ Document. Information. Text	Text		Document.Information.Text					
LOR Exchanged_ Document. Purpose. Code	Code		Document.Purpose.Code					
LOR Exchanged_ Document. Sequence. Identifier	Identifier		Document.Sequence.Identifier					
LOR Exchanged_ Document. Report Count. Numeric	Numeric		Document.Report Count.Numeric					
LOR Referenced_ Document. Identification. Identifier	Identifier		Document. Identification.					

Document : **RSM: e-LABs reporting messages**RSM e-LaboratoryObservationReportMessage\_v0.17.docStatus : **Subm**  
Version : 14A

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions	
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value
			Identifier					
LOR Referenced_ Document. Type. Code	Code		Document. Type. Code					
LOR Referenced_ Document. Description. Text	Text		Document. Description. Text					
LOR Referenced_ Document. Issue. Date Time	Date Time		Document. Issue. Date Time					
LOR Referenced_ Document. Control Requirement. Indicator	Indicator		Document. Control Requirement. Indicator					
LOR Referenced_ Document. Creation. Date Time	Date Time		Document. Creation. Date Time					
LOR Referenced_ Document. Status. Code	Code		Document. Status. Code					
LOR Referenced_ Document. Copy. Indicator	Indicator		Document. Copy. Indicator					
LOR Referenced_ Document. Line Count. Numeric	Numeric		Document. Line Count. Numeric					
LOR Referenced_ Document. Purpose. Code	Code		Document. Purpose. Code					
LOR Referenced_ Document. Information. Text	Text		Document. Information. Text					
LOR Referenced_ Document. Sequence. Identifier	Identifier		Document. Sequence. Identifier					
LOR Referenced_ Document. Report Count. Numeric	Numeric		Document. Report Count. Numeric					
Milk_ Tank. Identification. Identifier	Identifier		Tank. Identification. Identifier					
Milk_ Tank. Serial_ Identification. Identifier	Identifier		Tank. Serial. Identification. Identifier					
Observation Objective_ Parameter. Identification. Identifier	Identifier		Parameter. Identification. Identifier					
Observation Objective_ Parameter. Value. Text	Text		Parameter. Value. Text					
Observation Objective_ Parameter. Value. Measure	Measure		Parameter. Value. Measure					
Observation Objective_ Parameter. Type. Code	Code		Parameter. Type. Code					
Observation Objective_ Parameter. Description. Text	Text		Parameter. Description. Text					
Observation Objective_ Parameter. Name. Text	Text		Parameter. Name. Text					
Observation Objective_ Parameter. Value Allowed. Indicator	Indicator		Parameter. Value Allowed. Indicator					
Observation Objective_ Parameter. Status. Code	Code		Parameter. Status. Code					
Observation Objective_ Parameter. Status_ Value. Measure	Measure		Parameter. Status. Value. Measure					
Photographic_ Picture. Area Included. Text	Text		Picture. Area Included. Text					
Photographic_ Picture. Copyright Owner Name. Text	Text		Picture. Copyright Owner Name. Text					
Photographic_ Picture. Description. Text	Text		Picture. Description. Text					

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions	
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value
Photographic_Picture. Digital Image. Binary Object	Binary Object		Picture.Digital Image.Binary Object					
Photographic_Picture. Identification. Identifier	Identifier		Picture.Identification.Identifier					
Photographic_Picture. Subject. Text	Text		Picture.Subject.Text					
Photographic_Picture. Taken. Date Time	Date Time		Picture.Taken.Date Time					
Photographic_Picture. Title Name. Text	Text		Picture.Title Name.Text					
Photographic_Picture. Type. Text	Text		Picture.Type.Text					
Referenced_Location. Identification. Identifier	Identifier		Location.Identification.Identifier					
Referenced_Location. Name. Text	Text		Location.Name.Text					
Referenced_Location. Type. Code	Code		Location.Type.Code					
Referenced_Location. Description. Text	Text		Location.Description.Text					
Sampled_Object_Additive. Name. Text	Text		Additive.Name.Text					
Sampled_Object_Additive. Description. Text	Text		Additive.Description.Text					
Sampled_Object_Additive. Standard_Type. Code	Code		Additive.Standard.Type.Code					
Sampled_Object_Additive. Local_Type. Code	Code		Additive.Local.Type.Code					
Sampled_Object_Animal. Identification. Identifier	Identifier		Animal.Identification.Identifier					
Sampled_Object_Animal. Species_Type. Code	Code		Animal.Species.Type.Code					
Sampled_Object_Animal. Birth. Date Time	Date Time		Animal.Birth.Date Time					
Sampled_Object_Animal. Gender. Code	Code		Animal.Gender.Code					
Sampled_Object_Animal. Death. Date Time	Date Time		Animal.Death.Date Time					
Sampled_Object_Animal. Mother. Identifier	Identifier		Animal.Mother.Identifier					
Sampled_Object_Animal. Father. Identifier	Identifier		Animal.Father.Identifier					
Sampled_Object_Animal. Holder Name. Text	Text		Animal.Holder Name.Text					
Sampled_Object_Cargo. Storage_Type. Code	Code		Cargo.Storage.Type.Code					
Sampled_Object_Cargo. Name. Text	Text		Cargo.Name.Text					
Sampled_Object_Contract. Identification. Identifier	Identifier		Contract.Identification.Identifier					
Sampled_Object_Contract. Type. Code	Code		Contract.Type.Code					
Sampled_Object_Contract. Issue. Date Time	Date Time		Contract.Issue.Date Time					
Sampled_Object_Crop. Botanical Identification. Identifier	Identifier		Crop.Botanical Identification.Identifier					
Sampled_Object_Crop. Botanical Genus. Code	Code		Crop.Botanical Genus.Code					
Sampled_Object_Crop. Botanical Species. Code	Code		Crop.Botanical Species.Code					
Sampled_Object_Crop. Botanical Species Variety.	Code		Crop.Botanical Species					



BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions	
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value
Code			Variety.Code					
Sampled Object_ Crop. Classification. Code	Code		Crop.Classification.Code					
Sampled Object_ Crop. Description. Text	Text		Crop.Description.Text					
Sampled Object_ Crop. Development Stage. Code	Code		Crop.Development Stage.Code					
Sampled Object_ Crop. Cultivation Type. Code	Code		Crop.Cultivation Type.Code					
Sampled Object_ Crop. Propagation Material. Indicator	Indicator		Crop.Propagation Material.Indicator					
Sampled Object_ Crop. Size. Measure	Measure		Crop.Size.Measure					
Sampled Object_ Crop. Botanical Name. Text	Text		Crop.Botanical Name.Text					
Sampled Object_ Crop. Cultivation Coverage. Code	Code		Crop.Cultivation Coverage.Code					
Sampled Object_ Crop. Cultivation Medium. Code	Code		Crop.Cultivation Medium.Code					
Sampled Object_ Crop. Cultivation Container. Code	Code		Crop.Cultivation Container.Code					
Sampled Object_ Crop. Harvest. Date Time	Date Time		Crop.Harvest.Date Time					
Sampled Object_ Illness. Start. Date Time	Date Time		Illness.Start.Date Time					
Sampled Object_ Illness. Symptom. Text	Text		Illness.Symptom.Text					
Sampled Object_ Illness. Distribution Level. Text	Text		Illness.Distribution Level.Text					
Sampled Object_ Illness. Affected Part. Text	Text		Illness.Affected Part.Text					
Sampled Object_ Illness. Increasing. Indicator	Indicator		Illness.Increasing.Indicator					
Sampled Object_ Silage. Crop Mowing. Date Time	Date Time		Silage.Crop Mowing.Date Time					
Sampled Object_ Silage. Process Type. Text	Text		Silage.Process Type.Text					
Sampled Object_ Silage. Silaging. Date Time	Date Time		Silage.Silaging.Date Time					
Sampled Object_ Soil. Type. Text	Text		Soil.Type.Text					
Sampled Object_ Soil. Upper Boundary_ Depth. Measure	Measure		Soil.Upper Boundary.Depth.Measure					
Sampled Object_ Soil. Lower Boundary_ Depth. Measure	Measure		Soil.Lower Boundary.Depth.Measure					
Sampled Object_ Soil. Depth. Measure	Measure		Soil.Depth.Measure					
Sampled Object_ Soil. Previous_ Crop. Text	Text		Soil.Previous.Crop.Text					
Sampled Object_ Water Location. Identification. Identifier	Identifier		Water Location.Identification.Identifier					
Sampled Object_ Water Location. Name. Text	Text		Water Location.Name.Text					
Sampled Object_ Water Location. Type. Text	Text		Water Location.Type.Text					
Sampled Object_ Water Location. Depth. Measure	Measure		Water Location.Depth.Measure					

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions	
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value
Sample_ Observation Request Characteristic.Method Parameter.Identifier	Identifier		Observation Request Characteristic.Method Parameter.Identifier					
Sample_ Observation Request Characteristic.Parameter Value.Text	Text		Observation Request Characteristic.Parameter Value.Text					
Sample_ Observation Request Characteristic.Comparison Operator.Code	Code		Observation Request Characteristic.Comparison Operator.Code					
Sample_ Observation Request Characteristic.Measured Value.Measure	Measure		Observation Request Characteristic.Measured Value.Measure					
Sample_ Observation Request Characteristic.Measured Value.Text	Text		Observation Request Characteristic.Measured Value.Text					
Sample_ Observation Request Characteristic.Range.Text	Text		Observation Request Characteristic.Range.Text					
Sample_ Observation Request Characteristic.Measured Accuracy.Measure	Measure		Observation Request Characteristic.Measured Accuracy.Measure					
Sample_ Observation Request Characteristic.Quality Result.Code	Code		Observation Request Characteristic.Quality Result.Code					
Sample_ Observation Request Characteristic.Quality Result Description.Text	Text		Observation Request Characteristic.Quality Result Description.Text					
Sample_ Observation Request Characteristic.Reference Level_ Quality Result Description.Text	Text		Observation Request Characteristic.Reference Level_ Quality Result Description.Text					
Sample_ Observation Request Characteristic.Applied Dilution.Numeric	Numeric		Observation Request Characteristic.Applied Dilution.Numeric					
Sample_ Observation Request.Identifier	Identifier		Observation Request.Identifier.Identifier					
Sample_ Observation Request.Material Type.Text	Text		Observation Request.Material					

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions	
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value
			Type.Text					
Sample_ Observation Request. General Characteristic. Text	Text		Observation Request.General Characteristic.Text					
Sample_ Observation Request. Requested_ Observation Start. Date Time	Date Time		Observation Request.Requested.Observation Start.Date Time					
Sample_ Observation Request. Requested_ Observation End. Date Time	Date Time		Observation Request.Requested.Observation End.Date Time					
Sample_ Observation Request. Observation Time Frame. Text	Text		Observation Request.Observation Time Frame.Text					
Sample_ Observation Request. Emergency Observation. Indicator	Indicator		Observation Request.Emergency Observation.Indicator					
Sample_ Observation Request. Outsourced Observation. Indicator	Indicator		Observation Request.Outsourced Observation.Indicator					
Sample_ Observation Request. Material Type. Code	Code		Observation Request.Material Type.Code					
Sample_ Observation Result Characteristic. Method Parameter. Identifier	Identifier		Observation Result Characteristic.Method Parameter.Identifier					
Sample_ Observation Result Characteristic. Parameter Value. Text	Text		Observation Result Characteristic.Parameter Value.Text					
Sample_ Observation Result Characteristic. Comparison Operator. Code	Code		Observation Result Characteristic.Comparison Operator.Code					
Sample_ Observation Result Characteristic. Measured Value. Measure	Measure		Observation Result Characteristic.Measured Value.Measure					
Sample_ Observation Result Characteristic. Measured Value. Text	Text		Observation Result Characteristic.Measured Value.Text					
Sample_ Observation Result Characteristic. Range.	Text		Observation Result					

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions	
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value
Text			Characteristic.Range.Text					
Sample_ Observation Result Characteristic. Measured Accuracy. Measure	Measure		Observation Result Characteristic.Measured Accuracy.Measure					
Sample_ Observation Result Characteristic. Quality Result. Code	Code		Observation Result Characteristic.Quality Result.Code					
Sample_ Observation Result Characteristic. Quality Result Description. Text	Text		Observation Result Characteristic.Quality Result Description.Text					
Sample_ Observation Result Characteristic. Reference Level_ Quality Result Description. Text	Text		Observation Result Characteristic.Reference Level.Quality Result Description.Text					
Sample_ Observation Result Characteristic. Applied Dilution. Numeric	Numeric		Observation Result Characteristic.Applied Dilution.Numeric					
Sample_ Observation Result. Identification. Identifier	Identifier		Observation Result.Identification.Identifier					
Sample_ Observation Result. Material Type. Text	Text		Observation Result.Material Type.Text					
Sample_ Observation Result. General Characteristic. Text	Text		Observation Result.General Characteristic.Text					
Sample_ Observation Result. Actual_ Observation Start. Date Time	Date Time		Observation Result.Actual.Observation Start.Date Time					
Sample_ Observation Result. Actual_ Observation End. Date Time	Date Time		Observation Result.Actual.Observation End.Date Time					
Sample_ Observation Result. Observation Time Frame. Text	Text		Observation Result.Observation Time Frame.Text					
Sample_ Observation Result. Observation Discontinuation Reason. Text	Text		Observation Result.Observation Discontinuation Reason.Text					
Sample_ Observation Result. Emergency Observation. Indicator	Indicator		Observation Result.Emergency Observation.Indicator					
Sample_ Observation Result. Outsourced	Indicator		Observation Result.Outsourced					

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions	
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value
Observation. Indicator			Observation.Indicator					
Sample_ Observation Result. Observation Discontinuation Reason. Code	Code		Observation Result.Observation Discontinuation Reason.Code					
Sample_ Observation Result. Material Type. Code	Code		Observation Result.Material Type.Code					
Specified_ Binary File. Identification. Identifier	Identifier		Identification.Identifier					
Specified_ Binary File. Title. Text	Text		Title.Text					
Specified_ Binary File. Author name. Text	Text		Author name.Text					
Specified_ Binary File. Version. Identifier	Identifier		Version.Identifier					
Specified_ Binary File. File Name. Text	Text		File Name.Text					
Specified_ Binary File. URI. Identifier	Identifier		URI.Identifier					
Specified_ Binary File. Mime. Code	Code		Mime.Code					
Specified_ Binary File. Encoding. Code	Code		Encoding.Code					
Specified_ Binary File. Character Set. Code	Code		Character Set.Code					
Specified_ Binary File. Included. Binary Object	Binary Object		Included.Binary Object					
Specified_ Binary File. Access. Text	Text		Access.Text					
Specified_ Binary File. Description. Text	Text		Description.Text					
Specified_ Binary File. Size. Measure	Measure		Size.Measure					
Specified_ Communication. URI. Identifier	Identifier		Communication.URI.Identifier					
Specified_ Communication. Complete Number. Text	Text		Communication.Complete Number.Text					
Specified_ Direct Position. Name. Text	Text		Direct Position.Name.Text					
Specified_ Direct Position. Coordinate Reference Dimension. Text	Text		Direct Position.Coordinate Reference Dimension.Text					
Specified_ Direct Position. Axis_ Label List. Text	Text		Direct Position. Label List.Text					
Specified_ Direct Position. UOM_ Label List. Text	Text		Direct Position.Label List.Text					
Specified_ Direct Position. Count. Numeric	Numeric		Direct Position.Count.Numeric					
Specified_ Geographical Coordinate. Altitude. Measure	Measure		Geographical Coordinate.Altitude.Measure					
Specified_ Geographical Coordinate. Latitude. Measure	Measure		Geographical Coordinate.Latitude.Measure					
Specified_ Geographical Coordinate. Longitude. Measure	Measure		Geographical Coordinate.Longitude.Measure					

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions	
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value
Specified_ Geographical Coordinate. Latitude Direction. Indicator	Indicator		Geographical Coordinate.Latitude Direction.Indicator					
Specified_ Geographical Coordinate. Longitude Direction. Indicator	Indicator		Geographical Coordinate.Longitude Direction.Indicator					
Specified_ Geographical Coordinate. System. Identifier	Identifier		Geographical Coordinate.System.Identifier					
Specified_ Linear Ring. Coordinate. Text	Text		Linear Ring.Coordinate.Text					
Specified_ Period. Duration. Measure	Measure		Period. Duration. Measure					
Specified_ Period. Inclusive. Indicator	Indicator		Period. Inclusive. Indicator					
Specified_ Period. Description. Text	Text		Period. Description. Text					
Specified_ Period. Start. Date Time	Date Time		Period. Start. Date Time					
Specified_ Period. End. Date Time	Date Time		Period. End. Date Time					
Specified_ Period. Complete. Date Time	Date Time		Period. Complete. Date Time					
Specified_ Period. Open. Indicator	Indicator		Period. Open. Indicator					
Specified_ Period. Season. Code	Code		Period. Season. Code					
Specified_ Period. Identification. Identifier	Identifier		Period. Identification. Identifier					
Specified_ Period. Name. Text	Text		Period. Name. Text					
Specified_ Period. Sequence. Numeric	Numeric		Period. Sequence. Numeric					
Specified_ Period. Start Date Flexibility. Code	Code		Period. Start Date Flexibility. Code					
Specified_ Period. Continuous. Indicator	Indicator		Period. Continuous. Indicator					
Specified_ Period. Purpose. Code	Code		Period. Purpose. Code					
Structured_ Address. Identification. Identifier	Identifier		Address.Identification.Identifier					
Structured_ Address. Postcode. Code	Code		Address.Postcode.Code					
Structured_ Address. Building Name. Text	Text		Address.Building Name.Text					
Structured_ Address. Street Name. Text	Text		Address.Street Name.Text					
Structured_ Address. City Name. Text	Text		Address.City Name.Text					
Structured_ Address. Country. Identifier	Identifier		Address.Country.Identifier					
Structured_ Address. City Sub-Division Name. Text	Text		Address.City Sub-Division Name.Text					
Structured_ Address. Country Name. Text	Text		Address.Country Name.Text					
Structured_ Address. Country Sub-Division Name.	Text		Address.Country Sub-Division					

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions	
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value
Text			Name.Text					
Structured_ Address. Block Name. Text	Text		Address.Block Name.Text					
Structured_ Address. Plot Identification. Text	Text		Address.Plot Identification.Text					
Structured_ Address. Post Office Box. Text	Text		Address.Post Office Box.Text					
Structured_ Address. Building Number. Text	Text		Address.Building Number.Text					
Structured_ Address. Staircase Number. Text	Text		Address.Staircase Number.Text					
Structured_ Address. Floor Identification. Text	Text		Address.Floor Identification.Text					
Structured_ Address. Room Identification. Text	Text		Address.Room Identification.Text					

### 5.3 Aggregate Business Information Entities section

ABIE Business Term	Aggregate Core Component dictionary Entry Name	Inclusions (BBIEs to be included)	Exclusions (BBIEs to be excluded)
Agricultural Sample_ Autopsy. Details	Autopsy. Details	Agricultural Sample_ Autopsy. Type. Text Agricultural Sample_ Autopsy. Procedure. Text	
Agricultural Sample_ Tissue. Details	Tissue.Details	Agricultural Sample_ Tissue. Anatomical Name. Text Agricultural Sample_ Tissue. Anatomical Location. Text	
Agricultural_ Sample Type. Details	Sample Type.Details	Agricultural_ Sample Type. Local_ Type. Code Agricultural_ Sample Type. Standard_ Type. Code Agricultural_ Sample Type. Material_ Type. Text Agricultural_ Sample Type. Material_ Type. Code	
Agricultural_ Sample. Details	Sample.Details	Agricultural_ Sample. Intake_ Identification. Identifier Agricultural_ Sample. Serial_ Identification. Identifier Agricultural_ Sample. LIMS_ Registration. Date Time Agricultural_ Sample. Sampling. Date Time Agricultural_ Sample. Sealed. Indicator Agricultural_ Sample. Sealed. Date Time Agricultural_ Sample. Packaging Type. Text Agricultural_ Sample. Sender Assigned_ Identification. Identifier Agricultural_ Sample. Receipt. Date Time Agricultural_ Sample. Type Name. Text Agricultural_ Sample. Information. Text Agricultural_ Sample. Size. Measure Agricultural_ Sample. Storage_ Temperature. Measure Agricultural_ Sample. Microbiology_ Start. Date Time Agricultural_ Sample. Preservation_ End. Date Time Agricultural_ Sample. Interpretation Result. Text Agricultural_ Sample. Processing Status. Code	
Agricultural_ Sampled Object. Details	Sampled Object.Details	Agricultural_ Sampled Object. Identification. Identifier Agricultural_ Sampled Object. Name. Text Agricultural_ Sampled Object. Standard_ Type. Code Agricultural_ Sampled Object. Local_ Type. Code Agricultural_ Sampled Object. Type Name. Text Agricultural_ Sampled Object. Production. Date Time Agricultural_ Sampled Object. Sampling Procedure Type. Code Agricultural_ Sampled Object. Sampling Procedure. Identifier Agricultural_ Sampled Object. Country Of Origin_ Identification. Identifier Agricultural_ Sampled Object. Country Of Origin Sub Division_ Name. Text Agricultural_ Sampled Object. Size. Measure Agricultural_ Sampled Object. Batch. Quantity Agricultural_ Sampled Object. Batch_ Population Size. Measure Agricultural_ Sampled Object. Treatment. Text Agricultural_ Sampled Object. Batch Identification. Identifier	



ABIE Business Term	Aggregate Core Component dictionary Entry Name	Inclusions (BBIEs to be included)	Exclusions (BBIEs to be excluded)
Base_Period.Details	Period.Details	Base_Period.Inclusive.Indicator Base_Period.Start.Date Time Base_Period.End.Date Time Base_Period.Description.Text	
Laboratory Observation Analysis_Method.Details	Method.Details	Laboratory Observation Analysis_Method.Name.Text Laboratory Observation Analysis_Method.Obligatory_Type.Code Laboratory Observation Analysis_Method.Standard_Type.Code Laboratory Observation Analysis_Method.Local_Type.Code Laboratory Observation Analysis_Method.External Reference.Text Laboratory Observation Analysis_Method.Information.Text Laboratory Observation Analysis_Method.Sampled Object Minimum_Required Object Size.Measure Laboratory Observation Analysis_Method.Certification_Type.Code Laboratory Observation Analysis_Method.Certification_Identifier.Identifier Laboratory Observation Analysis_Method.Identifier.Identifier	
Laboratory Observation_Access Control List.Details	Access Control List.Details	Laboratory Observation_Access Control List.Type.Code Laboratory Observation_Access Control List.Access Right.Code	
Laboratory Observation_Contact.Details	Contact.Details	Laboratory Observation_Contact.Identifier.Identifier Laboratory Observation_Contact.Person Name.Text Laboratory Observation_Contact.Department Name.Text	
Laboratory Observation_Contract.Details	Contract.Details	Laboratory Observation_Contract.Identifier.Identifier Laboratory Observation_Contract.Observer Assigned_Identifier.Identifier Laboratory Observation_Contract.Type.Code Laboratory Observation_Contract.Observation_Type.Code Laboratory Observation_Contract.Observation_Name.Text Laboratory Observation_Contract.Observation Characteristic_Description.Text Laboratory Observation_Contract.Submission Reason_Description.Text Laboratory Observation_Contract.Issue.Date Time Laboratory Observation_Contract.Observation_End.Date Laboratory Observation_Contract.Last Item Delivery.Date Laboratory Observation_Contract.Observation_Information.Text Laboratory Observation_Contract.Project.Identifier Laboratory Observation_Contract.Observation Report_Publication.Date Time Laboratory Observation_Contract.Requested Observation Report_Publication.Date Time Laboratory Observation_Contract.Standard Observation_Lead Time.Measure Laboratory Observation_Contract.Emergency Observation_Lead Time.Measure Laboratory Observation_Contract.Emergency Observation Condition_Information.Text	

ABIE Business Term	Aggregate Core Component dictionary Entry Name	Inclusions (BBIEs to be included)	Exclusions (BBIEs to be excluded)
Laboratory Observation_ Instructions. Details	Instructions.Details	Laboratory Observation_ Contract. GMO_ Regulation. Indicator Laboratory Observation_ Instructions. Identification. Identifier Laboratory Observation_ Instructions. Description. Text Laboratory Observation_ Instructions. Type. Text Laboratory Observation_ Instructions. Description. Code Laboratory Observation_ Instructions. Procedure. Text Laboratory Observation_ Instructions. Status Code Laboratory Observation_ Instructions. Sequence. Numeric Laboratory Observation_ Instructions. Latest_ Update. Date Time	
Laboratory Observation_ Note. Details	Note.Details	Laboratory Observation_ Note. Content. Text Laboratory Observation_ Note. Creation. Date Time	
Laboratory Observation_ Party. Details	Party.Details	Laboratory Observation_ Party. Identification. Identifier Laboratory Observation_ Party. Name. Text Laboratory Observation_ Party. Third Party Issued_ Identification. Identifier Laboratory Observation_ Party. Third Party Issued_ Identification. Text	
Laboratory Observation_ Reference. Details	Reference.Details	Laboratory Observation_ Reference. Identification. Identifier Laboratory Observation_ Reference. Abbreviation. Text Laboratory Observation_ Reference. Description. Text Laboratory Observation_ Reference. Status. Text Laboratory Observation_ Reference. Comment. Text Laboratory Observation_ Reference. Value. Text	
LOR Acknowledgement_ Document. Details	Document.Details	LOR Acknowledgement_ Document Identification.Identifier LOR Acknowledgement_ Document Type.Code LOR Acknowledgement_ Document Name.Text LOR Acknowledgement_ Document Issue.Date Time LOR Acknowledgement_ Document Report_ Submission.Date Time LOR Acknowledgement_ Document Report_ Receipt.Date Time LOR Acknowledgement_ Document Control Requirement.Indicator LOR Acknowledgement_ Document Creation.Date Time LOR Acknowledgement_ Document Status.Code LOR Acknowledgement_ Document Acknowledgement_ Status.Code LOR Acknowledgement_ Document Item Identification.Identifier LOR Acknowledgement_ Document Multiple References Indicator LOR Acknowledgement_ Document Reason_ Information.Text	
LOR Exchanged_ Document. Details	Document.Details	LOR Exchanged_ Document. Identification. Identifier LOR Exchanged_ Document. Type. Code LOR Exchanged_ Document. Description. Text LOR Exchanged_ Document. Issue. Date Time LOR Exchanged_ Document. Control Requirement. Indicator LOR Exchanged_ Document. Status. Code LOR Exchanged_ Document. Copy. Indicator LOR Exchanged_ Document. Line Count. Numeric LOR Exchanged_ Document. Information. Text LOR Exchanged_ Document. Purpose. Code LOR Exchanged_ Document. Sequence. Identifier LOR Exchanged_ Document. Report Count. Numeric	

ABIE Business Term	Aggregate Core Component dictionary Entry Name	Inclusions (BBIEs to be included)	Exclusions (BBIEs to be excluded)
LOR Referenced_ Document	Document.Details	LOR Referenced_ Document. Identification. Identifier LOR Referenced_ Document. Type. Code LOR Referenced_ Document. Description. Text LOR Referenced_ Document. Issue. Date Time LOR Referenced_ Document. Control Requirement. Indicator LOR Referenced_ Document. Creation. Date Time LOR Referenced_ Document. Status. Code LOR Referenced_ Document. Copy. Indicator LOR Referenced_ Document. Line Count. Numeric LOR Referenced_ Document. Purpose. Code LOR Referenced_ Document. Information. Text LOR Referenced_ Document. Sequence. Identifier LOR Referenced_ Document. Report Count. Numeric	
Milk_ Tank. Details	Tank.Details	Milk_ Tank. Identification. Identifier Milk_ Tank. Serial Identification. Identifier	
Observation Objective_ Parameter	Parameter.Details	Observation Objective_ Parameter. Identification. Identifier Observation Objective_ Parameter. Value. Text Observation Objective_ Parameter. Value. Measure Observation Objective_ Parameter. Type. Code Observation Objective_ Parameter. Description. Text Observation Objective_ Parameter. Name. Text Observation Objective_ Parameter. Value Allowed. Indicator Observation Objective_ Parameter. Status. Code Observation Objective_ Parameter. Status Value. Measure	
Photographic_ Picture. Details	Picture.Details	Photographic_ Picture. Area Included. Text Photographic_ Picture. Copyright Owner Name. Text Photographic_ Picture. Description. Text Photographic_ Picture. Digital Image. Binary Object Photographic_ Picture. Identification. Identifier Photographic_ Picture. Subject. Text Photographic_ Picture. Taken. Date Time Photographic_ Picture. Title Name. Text Photographic_ Picture. Type. Text	
Referenced_ Location. Details	Location.Details	Referenced_ Location. Identification. Identifier Referenced_ Location. Name. Text Referenced_ Location. Type. Code Referenced_ Location. Description. Text	
Sampled Object Additive. Details	Additive.Details	Sampled Object Additive.Name.text Sampled Object Additive. Description.Text Sampled Object Additive. Standard_ Type.Code Sampled Object Additive. Local_ Type.Code	
Sampled Object_ Animal. Details	Animal.Details	Sampled Object_ Animal. Identification. Identifier Sampled Object_ Animal. Species_ Type. Code Sampled Object_ Animal. Birth. Date Time Sampled Object_ Animal. Gender. Code Sampled Object_ Animal. Death. Date Time Sampled Object_ Animal. Mother. Identifier	

ABIE Business Term	Aggregate Core Component dictionary Entry Name	Inclusions (BBIEs to be included)	Exclusions (BBIEs to be excluded)
		Sampled Object_ Animal. Father. Identifier Sampled Object_ Animal. Holder Name. Text	
Sampled Object_ Cargo. Details	Cargo.Details	Sampled Object_ Cargo. Storage_ Type. Code Sampled Object_ Cargo. Name. Text	
Sampled Object_ Contract. Details	Contract.Details	Sampled Object_ Contract. Identification. Identifier Sampled Object_ Contract. Type. Code Sampled Object_ Contract. Issue. Date Time	
Sampled Object_ Crop. Details	Crop.Details	Sampled Object_ Crop. Botanical Identification. Identifier Sampled Object_ Crop. Botanical Genus. Code Sampled Object_ Crop. Botanical Species. Code Sampled Object_ Crop. Botanical Species Variety. Code Sampled Object_ Crop. Classification. Code Sampled Object_ Crop. Description. Text Sampled Object_ Crop. Development Stage. Code Sampled Object_ Crop. Cultivation Type. Code Sampled Object_ Crop. Propagation Material. Indicator Sampled Object_ Crop. Size. Measure Sampled Object_ Crop. Botanical Name. Text Sampled Object_ Crop. Cultivation Coverage. Code Sampled Object_ Crop. Cultivation Medium. Code Sampled Object_ Crop. Cultivation Container. Code Sampled Object_ Crop. Harvest. Date Time	
Sampled Object_ Illness. Details	Illness.Details	Sampled Object_ Illness. Start. Date Time Sampled Object_ Illness. Symptom. Text Sampled Object_ Illness. Distribution Level. Text Sampled Object_ Illness. Affected Part. Text Sampled Object_ Illness. Increasing. Indicator	
Sampled Object_ Silage. Details	Silage.Details	Sampled Object_ Silage. Crop Mowing. Date Time Sampled Object_ Silage. Process Type. Text Sampled Object_ Silage. Silaging. Date Time	
Sampled Object_ Soil. Details	Soil.Details	Sampled Object_ Soil. Type. Text Sampled Object_ Soil. Upper Boundary_ Depth. Measure Sampled Object_ Soil. Lower Boundary_ Depth. Measure Sampled Object_ Soil. Depth. Measure Sampled Object_ Soil. Previous_ Crop. Text	
Sampled Object_ Water Location. Details	Water Location.Details	Sampled Object_ Water Location. Identification. Identifier Sampled Object_ Water Location. Name. Text Sampled Object_ Water Location. Type. Text Sampled Object_ Water Location. Depth. Measure	
Sample_ Observation Request Characteristic. Details	Observation Request Characteristic.Details	Sample_ Observation Request Characteristic. Method Parameter. Identifier Sample_ Observation Request Characteristic. Parameter Value. Text Sample_ Observation Request Characteristic. Comparison Operator. Code Sample_ Observation Request Characteristic. Measured Value. Measure Sample_ Observation Request Characteristic. Measured Value. Text Sample_ Observation Request Characteristic. Range. Text	

ABIE Business Term	Aggregate Core Component dictionary Entry Name	Inclusions (BBIEs to be included)	Exclusions (BBIEs to be excluded)
		Sample_Observation Request Characteristic. Measured Accuracy. Measure Sample_Observation Request Characteristic. Quality Request. Code Sample_Observation Request Characteristic. Quality Request Description. Text Sample_Observation Request Characteristic. Reference Level_ Quality Request Description. Text Sample_Observation Request Characteristic. Applied Dilution. Numeric	
Sample_Observation Request. Details	Observation Request.Details	Sample_Observation Request. Identification. Identifier Sample_Observation Request. Material Type. Text Sample_Observation Request. General Characteristic. Text Sample_Observation Request. Requested_ Observation Start. Date Time Sample_Observation Request. Requested_ Observation End. Date Time Sample_Observation Request. Observation Time Frame. Text Sample_Observation Request. Emergency Observation. Indicator Sample_Observation Request. Outsourced Observation. Indicator Sample_Observation Request. Material Type. Code	
Sample_Observation Result Characteristic. Details	Observation Result Characteristic.Details	Sample_Observation Result Characteristic. Method Parameter. Identifier Sample_Observation Result Characteristic. Parameter Value. Text Sample_Observation Result Characteristic. Comparison Operator. Code Sample_Observation Result Characteristic. Measured Value. Measure Sample_Observation Result Characteristic. Measured Value. Text Sample_Observation Result Characteristic. Range. Text Sample_Observation Result Characteristic. Measured Accuracy. Measure Sample_Observation Result Characteristic. Quality Result. Code Sample_Observation Result Characteristic. Quality Result Description. Text Sample_Observation Result Characteristic. Reference Level_ Quality Result Description. Text Sample_Observation Result Characteristic. Applied Dilution. Numeric	
Sample_Observation Result. Details	Observation Result.Details	Sample_Observation Result. Identification. Identifier Sample_Observation Result. Material Type. Text Sample_Observation Result. General Characteristic. Text Sample_Observation Result. Actual_ Observation Start. Date Time Sample_Observation Result. Actual_ Observation End. Date Time Sample_Observation Result. Observation Time Frame. Text Sample_Observation Result. Observation Discontinuation Reason. Text Sample_Observation Result. Emergency Observation. Indicator Sample_Observation Result. Outsourced Observation. Indicator Sample_Observation Result. Observation Discontinuation Reason. Code Sample_Observation Result. Material Type. Code	
Specified_Binary File.Details	Binary File.Details	Specified_Binary File. Identification. Identifier	

ABIE Business Term	Aggregate Core Component dictionary Entry Name	Inclusions (BBIEs to be included)	Exclusions (BBIEs to be excluded)
		Specified_ Binary File. Title. Text Specified_ Binary File. Author name. Text Specified_ Binary File. Version. Identifier Specified_ Binary File. File Name. Text Specified_ Binary File. URI. Identifier Specified_ Binary File. Mime. Code Specified_ Binary File. Encoding. Code Specified_ Binary File. Character Set. Code Specified_ Binary File. Included. Binary Object Specified_ Binary File. Access. Text Specified_ Binary File. Description. Text Specified_ Binary File. Size. Measure	
Specified_ Communication. Details	Communication.Details	Specified_ Communication. URI. Identifier Specified_ Communication. Complete Number. Text	
Specified_ Direct Position. Details	Direct Position. Details	Specified_ Direct Position. Name. Text Specified_ Direct Position. Coordinate Reference Dimension. Text Specified_ Direct Position. Axis_ Label List. Text Specified_ Direct Position. UOM_ Label List. Text Specified_ Direct Position. Count. Numeric	
Specified_ Geographical Coordinate. Details	Geographical Coordinate. Details	Specified_ Geographical Coordinate. Altitude. Measure Specified_ Geographical Coordinate. Latitude. Measure Specified_ Geographical Coordinate. Longitude. Measure Specified_ Geographical Coordinate. Latitude Direction. Indicator Specified_ Geographical Coordinate. Longitude Direction. Indicator Specified_ Geographical Coordinate. System. Identifier	
Specified_ Linear Ring. Details	Linear Ring.Details	Specified_ Linear Ring. Coordinate. Text Specified_ Linear Ring. Coordinate. Specified_ Direct Position	
Specified_ Period.Details	Period.Details	Specified_ Period. Duration. Measure Specified_ Period. Inclusive. Indicator Specified_ Period. Description. Text Specified_ Period. Start. Date Time Specified_ Period. End. Date Time Specified_ Period. Complete. Date Time Specified_ Period. Open. Indicator Specified_ Period. Season. Code Specified_ Period. Identification. Identifier Specified_ Period. Name. Text Specified_ Period. Sequence. Numeric Specified_ Period. Start Date Flexibility. Code Specified_ Period. Continuous. Indicator Specified_ Period. Purpose. Code	
Structured_ Address. Details	Address.Details	Structured_ Address. Identification. Identifier Structured_ Address. Postcode. Code Structured_ Address. Building Name. Text Structured_ Address. Street Name. Text Structured_ Address. City Name. Text Structured_ Address. Country. Identifier	

ABIE Business Term	Aggregate Core Component dictionary Entry Name	Inclusions (BBIEs to be included)	Exclusions (BBIEs to be excluded)
		Structured_ Address. City Sub-Division Name. Text Structured_ Address. Country Name. Text Structured_ Address. Country Sub-Division Name. Text Structured_ Address. Block Name. Text Structured_ Address. Plot Identification. Text Structured_ Address. Post Office Box. Text Structured_ Address. Building Number. Text Structured_ Address. Staircase Number. Text Structured_ Address. Floor Identification. Text Structured_ Address. Room Identification. Text	

## 5.4 Association Business Information Entities

This section identifies any all the ASBIEs where multiplicity restrictions will be applied.

ASBIE name	Multiplicity restriction	Additional comments
Agricultural_ Sample Type. Specified. Agricultural Sample_ Tissue	0..1	
Agricultural_ Sample Type. Specified. Agricultural Sample_ Autopsy	0..1	
Agricultural_ Sample. Sampling. Referenced_ Location	0..unbounded	
Agricultural_ Sample. Sampling. Laboratory Observation_ Party	0..1	
Agricultural_ Sample. Specified. Sample_ Observation Result	0.. unbounded	
Agricultural_ Sample. Specified. Laboratory Observation_ Contract	0..1	
Agricultural_ Sample. Specified. Agricultural_ Sampled Object	0..1	
Agricultural_ Sample. Specified. Agricultural_ Sample Type	0..1	
Agricultural_ Sample. Specified. Laboratory Observation_ Reference	0.. unbounded	
Agricultural_ Sample. Specified. Laboratory Observation_ Instructions	0.. unbounded	
Agricultural_ Sample. Specified. Sample_ Observation Request	0.. unbounded	
Agricultural_ Sample. Interpretation Result. Observation Objective_ Parameter	0.. unbounded	
Agricultural_ Sample. Attached. Photographic_ Picture	0.. unbounded	
Agricultural_ Sample. Attached. Specified_ Binary File	0.. unbounded	
Agricultural_ Sampled Object. Conclusion_ Specified. Laboratory Observation_ Note	0..1	
Agricultural_ Sampled Object. Additional Information_ Specified. Laboratory Observation_ Note	0..1	
Agricultural_ Sampled Object. Authorized. Laboratory Observation_ Party	0.. unbounded	
Agricultural_ Sampled Object. Producer. Laboratory Observation_ Party	0..1	
Agricultural_ Sampled Object. Carrier. Laboratory Observation_ Party	0..1	
Agricultural_ Sampled Object. Customer. Laboratory Observation_ Party	0..1	
Agricultural_ Sampled Object. Packer. Laboratory Observation_ Party	0..1	
Agricultural_ Sampled Object. Supplier. Laboratory Observation_ Party	0..1	
Agricultural_ Sampled Object. Owner. Laboratory Observation_ Party	0..1	
Agricultural_ Sampled Object. Trader. Laboratory Observation_ Party	0..1	
Agricultural_ Sampled Object. Applied. Sampled Object_ Additive	0.. unbounded	
Agricultural_ Sampled Object. Specified. Sampled Object_ Crop	0..1	
Agricultural_ Sampled Object. Specified. Sampled Object_ Contract	0.. unbounded	
Agricultural_ Sampled Object. Specified. Sampled Object_ Illness	0..1	
Agricultural_ Sampled Object. Containing. Milk_ Tank	0..1	
Agricultural_ Sampled Object. Specified. Sampled Object_ Cargo	0..1	
Agricultural_ Sampled Object. Specified As. Sampled Object_ Soil	0..1	
Agricultural_ Sampled Object. Specified As. Sampled Object_ Silage	0.. unbounded	
Agricultural_ Sampled Object. Specified As. Sampled Object_ Animal	0..1	
Agricultural_ Sampled Object. Specified. Sampled Object_ Water Location	0..1	
Agricultural_ Sampled Object. Specified. Laboratory Observation_ Instructions	0.. unbounded	
Laboratory Observation_ Access Control List. Included. Laboratory Observation_ Party	0.. unbounded	
Laboratory Observation_ Contact. Mobile_ Telephone. Specified_ Communication	0..1	
Laboratory Observation_ Contact. Telephone. Specified_ Communication	0..1	
Laboratory Observation_ Contact. Fax. Specified_ Communication	0..1	



ASBIE name	Multiplicity restriction	Additional comments
Laboratory Observation_ Contact. Email. Specified_ Communication	0..1	
Laboratory Observation_ Contract. Specified. Laboratory Observation_ Note	0..1	
Laboratory Observation_ Contract. Ordering. Laboratory Observation_ Party	0..1	
Laboratory Observation_ Contract. Observing. Laboratory Observation_ Party	0..1	
Laboratory Observation_ Contract. Invoicee. Laboratory Observation_ Party	0..1	
Laboratory Observation_ Contract. Contract_ Sender. Laboratory Observation_ Party	0..1	
Laboratory Observation_ Contract. Issuer. Laboratory Observation_ Party	0..1	
Laboratory Observation_ Contract. Specified. Laboratory Observation_ Reference	0.. unbounded	
Laboratory Observation_ Contract. Specified. Laboratory Observation_ Instructions	0.. unbounded	
Laboratory Observation_ Contract. Order_ Specified. Laboratory Observation_ Reference	0.. unbounded	
Laboratory Observation_ Contract. Agreed_ Associated. Laboratory Observation Analysis_ Method	0.. unbounded	
Laboratory Observation_ Party. Office. Structured_ Address	0..1	
Laboratory Observation_ Party. Postal. Structured_ Address	0..1	
Laboratory Observation_ Party. Website_ URI. Specified_ Communication	0..1	
Laboratory Observation_ Party. Person_ Defined. Laboratory Observation_ Contact	0..1	
LOR Acknowledgement_ Document. Reference. Referenced_ Document	0..unbounded	
LOR Referenced_ Document. Sender. Laboratory Observation_ Party	0..1	
LOR Referenced_ Document. Recipient. Laboratory Observation_ Party	0..1	
Referenced_ Location. Physical. Specified_ Geographical Coordinate	0..1	
Referenced_ Location. Physical. Structured_ Address	0..1	
Referenced_ Location. Included. Specified_ Polygon	0..1	
Referenced_ Location. Specified. Laboratory Observation_ Reference	0.. unbounded	
Sampled Object_ Silage. Field_ Drying. Base_ Period	0..1	
Sample_ Observation Request Characteristic. Applicable Objective. Observation Objective_ Parameter	0.. unbounded	
Sample_ Observation Request. Specified. Laboratory Observation_ Reference	0.. unbounded	
Sample_ Observation Request. Authorization. Laboratory Observation_ Party	0..1	
Sample_ Observation Request. Attached. Laboratory Observation_ Note	0.. unbounded	
Sample_ Observation Request. Requested. Laboratory Observation Analysis_ Method	0.. unbounded	
Sample_ Observation Request. Minimum Standard Value_ Specified. Sample_ Observation Request Characteristic	0.. unbounded	
Sample_ Observation Request. Maximum Standard Value_ Specified. Sample_ Observation Request Characteristic	0.. unbounded	
Sample_ Observation Request. Expected_ Specified. Sample_ Observation Request Characteristic	0.. unbounded	
Sample_ Observation Request. Specified. Laboratory Observation_ Instructions	0.. unbounded	
Sample_ Observation Request. Outsourced Laboratory. Laboratory Observation_ Party	0..1	
Sample_ Observation Request. Applicable. Observation Objective_ Parameter	0.. unbounded	
Sample_ Observation Result Characteristic. Interpretation Result_ Applicable. Observation Objective_ Parameter	0.. unbounded	

ASBIE name	Multiplicity restriction	Additional comments
Sample_ Observation Result. Specified. Laboratory Observation_ Reference	0.. unbounded	
Sample_ Observation Result. Authorization. Laboratory Observation_ Party	0..1	
Sample_ Observation Result. Attached. Laboratory Observation_ Note	0.. unbounded	
Sample_ Observation Result. Used. Laboratory Observation Analysis_ Method	0.. unbounded	
Sample_ Observation Result. Minimum Standard Value_ Specified. Sample_ Observation Result Characteristic	0.. unbounded	
Sample_ Observation Result. Maximum Standard Value_ Specified. Sample_ Observation Result Characteristic	0.. unbounded	
Sample_ Observation Result. Observed Value_ Specified. Sample_ Observation Result Characteristic	0.. unbounded	
Sample_ Observation Result. Expected Value_ Specified. Sample_ Observation Result Characteristic	0.. unbounded	
Sample_ Observation Result. Laboratory Analysis Request_ Specified. Laboratory Observation_ Reference	0..1	
Sample_ Observation Result. Specified. Laboratory Observation_ Instructions	0.. unbounded	
Sample_ Observation Result. Outsourced Laboratory. Laboratory Observation_ Party	0..1	
Sample_ Observation Result. Interpretation Result_ Applicable. Observation Objective_ Parameter	0.. unbounded	
Specified_ Binary File. Access Availability. Specified_ Period	0..1	
Specified_ Linear Ring. Coordinate. Specified_ Direct Position	0..1	
Specified_ Polygon. Interior. Specified_ Linear Ring	1.. unbounded	
Specified_ Polygon. Exterior. Specified_ Linear Ring	1.. 1	

## 6 Associated documentation

### 6.1 Core components UN/CEFACT Registry version used

The core components UN/CEFACT Registry version used for this document is version 1.0 and Core Components Library version D14A.

### 6.2 Root Level Message Assembly

The root element of the Laboratory Analysis Request Information Exchange are the ABIEs :

- LOR Exchanged\_ Document
- Laboratory Observation\_ Access Control List
- Agricultural\_ Sample

**Note:** The ABIE Agricultural\_ Sample. Specified. Sample\_ Observation Result will not be used in this message. The Agricultural\_ Sample. Specified. Sample\_ Observation Request is used in this message.

The root element of the Laboratory Observation Report Information Exchange are the ABIEs :

- LOR Exchanged\_ Document
- Laboratory Observation\_ Access Control List
- Agricultural\_ Sample

The root element of the Laboratory Acknowledgement is the ABIE:

- LOR Acknowledgement \_ Document

The Laboratory Observation Reporting Messages Assembly template is attached here.



CCL14A MA\_ELABS  
May 21th 2014.xls

### 6.3 XMI File

The XMI files corresponding to the canonical data models is attached and transmitted to ICG-ATG.



E-Lab Observation Report v17- May-21th-2014.xml



E-Lab Acknowledgement v1- May -21th-2014.xml