



Íslenskir staðlar

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Íslenskir staðlar

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1. edition

Foreword

This IST Technical Specification was developed in accordance with “ÍST Reglur um tækniforskriftir, tækniskýrslur og vinnustofusamþykktir” (e. IST rules on Technical Specifications, Technical Reports and Workshop Agreements). The TS (Technical specification) was prepared by the technical committee TN-FMP within FUT (Sector committee for ICT standardisation) following a public call for participation within TN-FMP. Committee draft was sent to TN-FMP and approved on a TN-FMP meeting on the 2021-6-24.

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This ÍST TS is based on the results of the work of workgroup TN-FMP-VH-1 Business claims.

The text of ÍST TS-314 was based on the work of following specialists working in TN-FMP-VH-1. In cooperation with the consultant Guðmundur Jón Halldórsson.

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ÍST TS 314:2021

Table of contents

Foreword	2
Table of contents	3
Introduction	5
1. Scope	6
2. Normative references, definitions, and symbols	6
2.1 Definitions	6
2.2 Definition of the document service	6
3. Document service changes from previous version	6
3.1 Document Service	6
4 Presumptions, future work, maintenance	6
4.1 Presumptions	6
4.2 Future work	6
4.3 Maintenance	6
Annex A	7
A.1 Methods	7
A.2. Document Service	7
A.2.1. GET /v1/documents/{document-store-location}/types	7
A.2.2. GET /v1/documents/{document-store-location}/{sender-kennitala}/{documents-id}	8
A.2.3. GET /v1/documents/{document-store-location}	10
A.2.4. PUT /v1/documents/{document-store-location}/{documents-id}	13
A.2.5. POST /v1/documents/{document-store-location}	15
A.3. Models	17
A.3.1. Error400	17
A.3.2. Error400_additionalErrors	17
A.3.3. Error401	18
A.3.4. Error401_NG	18
A.3.5. Error401_additionalErrors	18
A.3.6. Error403	18
A.3.7. Error403_NG	18
A.3.8. Error403_additionalErrors	19
A.3.9. Error404	19
A.3.10. Error404_NG	19
A.3.11. Error404_additionalErrors	19
A.3.12. Error405	19
A.3.13. Error405_NG	20
A.3.14. Error405_additionalErrors	20
A.3.15. Error406	20
A.3.16. Error406_NG	20
A.3.17. Error406_additionalErrors	20
A.3.18. Error409	21

A.3.19. Error409_NG	21
A.3.29. Error409_additionalErrors	21
A.3.30. Error429	21
A.3.31. Error429_NG	22
A.3.32. Error429_additionalErrors	22
A.3.33. Messages	22
A.3.34. documentBatchDetails	22
A.3.35. documentBatchWithStatusDetails	23
A.3.36. documentBatchWithStatusList	23
A.3.37. documentTypeDetails	23
A.3.38. documentTypeList.....	23
A.3.39. fileDetails.....	23
A.3.40. fileReference	24
A.3.41. fileWithStatusDetails	24
A.3.42. Messages	24
A.4. References	26

ÍST TS 314:2021

Introduction

This Technical Specification (TS) is written to present a preferred way to implement documents service in IOBWS 3.0 according to the requirements of the Icelandic banks.

API interfaces enable accounting systems, payment systems, information systems and other systems to exchange data with the banks without registering in traditional online banking. An example of exchanging data with the banks can be through the accounting systems interface. With a click of a button in the accounting system exchange of data is performed by the system in background and latest relevant data is shown in the accounting system.

The Icelandic banks together with RB (Clearing House of Iceland), Central Bank of Iceland, software companies, billing companies, fintech companies and other stakeholders within the TN FMP at the Icelandic Standards Council have written a standard on how the banks should conduct electronic interconnection in the construction of interfaces APIs. The first version of that standard was published in 2007 and was named IOBWS (Icelandic Online Banking Web Service). Six years later, version 2, IOBWS 2.0 of the standard was published. The work was developed to make corrections and upgrade to business operations that were not foreseen in the earlier standard. This document describes the partial results of the third phase of the third IOBWS project, IOBWS 3.0.

It was decided on a TN-FMP meeting to give fintech companies and other stakeholders the ability to get more detailed information about documents and upload new documents

This document is based on the results from the working group of the TN-FMP-VH1 Business claims. The following technical specification describes durable and not durable media in the form of documents. Durable media is in accordance with the Icelandic law.

1. Scope

The joint effort to create third version of the IOBWS (Icelandic Online Banking Web Service) is described in ÍST-WA-310. This document describes the document service and is a part of the third version of IOBWS.

This document reflects the agreement made by TN-FMP and is based on the analysis of the working group TN-FMP-VH1 business claims.

2. Normative references, definitions, and symbols

2.1 Definitions

- **Kennitala:** The Icelandic identification number (Icelandic: kennitala, abbreviated kt.) is a unique national identification number used by the Icelandic government to identify individuals and organisations in Iceland.
- **IOBWS 3.0** – This is the acronym of the third version of the Icelandic Open Banking Web Services project and its product.
- **FUT** is the IT sector council at Icelandic standards.
- **TN-FMP** - Technical committee on finance services, working under FUT.

2.2 Definition of the document service

The following elements are used to define the document service. It is important to understand the meaning of each element to see how it fits in the big picture:

The document service requirements are defined in Annex A.

3. Document service changes from previous version

This chapter concludes the changes to the document service and data model changes from previous version.

3.1 Document Service

The workgroup concluded to define the following changes to the document service, defined in detail in Annex:

- **Document types are dynamic and can change:** Banks can add document types as needed.
- **Durable media:** Document types have attribute “durable media” that states if documents stored can be changed
- **Update:** Documents can be updated if “durable media” is false

4 Presumptions, future work, maintenance

4.1 Presumptions

The Icelandic financial sector wants to have a unified way to manage documents.

4.2 Future work

- TN-FMP has the intention to keep working on developing this document amongst others developed in the IOBWS 3.0 project.
- TN-FMP have arranged for that the delivery of the YAML document in the Github location <https://github.com/stadlar/IST-FUT-FMTH/tree/master/Deliverables>

4.3 Maintenance

As other products of the IOBWS 3.0 project will be maintained by TN-FMP.

TN FMP agrees that FUTs Github (<https://github.com/stadlar/IST-FUT-FMTH/issues>) should be used in this maintenance task and issues shall be raised and processed by TN-FMP.

ÍST TS 314:2021

Annex A

The following annex describes the document service. The document service has a major change from previous version. The change is the following as described earlier:

1. Document types are dynamic and can change.
2. Document types have attribute “durable media” that states if documents stored can be changed.
3. Documents can be updated if “durable media” is false.

The Icelandic document service has the following methods:

A.1 Methods

- [GET /v1/documents/{documentStoreLocation}/types](#)
- [GET /v1/documents/{documentStoreLocation}/{senderKennitala}/{documents-id}](#)
- [GET /v1/documents/{documentStoreLocation}](#)
- [PUT /v1/documents/{documentStoreLocation}/{documents-id}](#)
- [POST /v1/documents/{documentStoreLocation}](#)

A.2. Document Service

A.2.1. GET /v1/documents/{document-store-location}/types

Get list of all document types (`getDocumentTypeList`)

Get list of all document types. Document types of control if document can be updated.

Path parameters

- **document-store-location (required)** *Path Parameter* – Document store location in path.

Request headers

Return type

`documentTypeList`

Example data

```
Content-Type: application/json
{
  "documents": [{
    "code": "code",
    "name": "name",
    "description": "description",
    "durableMedia": true
  }, {
    "code": "code",
    "name": "name",
    "description": "description",
    "durableMedia": true
  }]
}
```


Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

Response code	Message	Description
200 OK	documentTypeList	
400 Bad Request	Error400_NG	
401 Unauthorized	Error401_NG	
403 Forbidden	Error403_NG	
404 Not found	Error404_NG	
405 Method Not Allowed	Error405_NG	
408 Request Timeout		
415 Unsupported Media Type		
500 Internal Server Error		
503 Service Unavailable		

A.2.2. GET /v1/documents/{document-store-location}/{sender-kennitala}/{documents-id}

Get single document batch ([getSingleDocumentBatch](#)). All the banks will support at least "documentStoreLocation" = "greidsluveitan".

Get single batch by id.

Path parameters

- **document-store-location (required)** *Path Parameter* – Document store location in path

ÍST TS 314:2021

- **documents-id (required)** *Path Parameter* — Document id in path
- **sender-kennitala (required)** *Path Parameter* — Kennitala of the document's sender.

Request headers

Return type

[documentBatchWithStatusDetails](#)

Example data

```
Content-Type: application/json
{
  "documentTypeCode": "documentTypeCode",
  "name": "name",
  "description": "description",
  "id": "id",
  "senderKennitala": "idNumber",
  "status": "received",
  "files": [{
    "reference": "reference",
    "name": "name",
    "description": "description",
    "id": "id",
    "receiverKennitala": "idNumber",
    "fileType": "XML",
    "status": "received"
  },
  {
    "reference": "reference",
    "name": "name",
    "description": "description",
    "id": "id",
    "receiverKennitala": "idNumber",
    "fileType": "XML",
    "status": "received"
  }
]
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

Response code	Message	Description
200 OK	documentBatchWithStatusDetails	
400 Bad Request	Error400_NG	
401 Unauthorized	Error401_NG	
403 Forbidden	Error403_NG	
404 Not found	Error404_NG	
405 Method Not Allowed	Error405_NG	
406 Not Acceptable	Error406_NG	
408 Request Timeout		
409 Conflict	Error409_NG	
415 Unsupported Media Type		
429 Too Many Requests	Error429_NG	
500 Internal Server Error		
503 Service Unavailable		

A.2.3. GET /v1/documents/{document-store-location}

Query already uploaded document batch ([searchForDocumentBatch](#)).

Find uploaded document by query date range. Only the document sender can search for the document. The document owner goes through the banks portal.

ÍST TS 314:2021

Path parameters

- **document-store-location (required)** *Path Parameter* – Document store location in path

Request headers

Query parameters

- **senderKennitala (required)** *Query Parameter* — Kennitala for the sender of the batch
- **receiverKennitala (optional)** *Query Parameter* — Kennitala for the receiver of the document
- **documentTypeCode (optional)** *Query Parameter* — Document Type Code
- **status (optional)** *Query Parameter* — Process status
- **dateFrom (optional)** *Query Parameter* — Conditional: Starting date (inclusive the date dateFrom) of the document list format: date
- **dateTo (optional)** *Query Parameter* — End date (inclusive the data dateTo) of the document list format: date
- **page (required)** *Query Parameter* — Current page starts at 1
- **itemsPerPage (required)** *Query Parameter* — Number of items per page
- **reference (optional)** *Query Parameter* — File reference

Path parameters

- **documentStoreLocation (required)** *Path Parameter* – Document store location in path

Return type

[documentBatchWithStatusList](#)

Example data

```
Content-Type: application/json
[{
  "documentTypeCode": "documentTypeCode",
  "name": "name",
  "description": "description",
  "files": [ {
    "reference": "reference",
    "name": "name",
    "description": "description",
    "id": "id",
    "receiverKennitala": "idNumber",
    "fileType": "XML",
    "status": "received"
  }, {
    "reference": "reference",
    "name": "name",
    "description": "description",
    "id": "id",
    "receiverKennitala": "idNumber",
    "fileType": "XML",
```

```

    "status": "received"
  }],
  "id": "id",
  "senderKennitala": "idNumber",
  "status": "received"
}]

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

Response code	Message	Description
200	documentBatchWithStatusList	OK
400	Error400_NG	Bad Request
401	Error401_NG	Unauthorized
403	Error403_NG	Forbidden
404	Error404_NG	Not found
405	Error405_NG	Method Not Allowed
406	Error406_NG	Not Acceptable
408		Request Timeout
409	Error409_NG	Conflict
415		Unsupported Media Type
429	Error429_NG	Too Many Requests

ÍST TS 314:2021

500		Internal Server Error
503		Service Unavailable

A.2.4. PUT /v1/documents/{document-store-location}/{documents-id}

Update document (**update**)

Update document batch if the document type allows it. User can choose to only send new or changed files.

For consistency, the basic id rules are as follows for:

- **documentBatchDetails.id**: Is a universally unique identifier (UUID) and needs to be unique for each senderKennitala.
- **fileDetails.id**: Is a universally unique identifier (UUID) and needs to be unique for each senderKennitala.

Path parameters

- **documents-id (required)** *Path Parameter* — Document id in path
- **document-store-location (required)** *Path Parameter* – Document store location in path

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

body **documentBatchDetails** (required)

Body Parameter — JSON request body for a document batch initiation or update request message

Request headers

Return type

[documentBatchWithStatusDetails](#)

Example data

```
Content-Type: application/json
{
  "documentTypeCode": "documentTypeCode",
  "name": "name",
  "description": "description",
  "files": [{
    "reference": "reference",
```

```

    "name": "name",
    "description": "description",
    "id": "id",
    "receiverKennitala": "idNumber",
    "fileType": "XML"
  }, {
    "reference": "reference",
    "name": "name",
    "description": "description",
    "id": "id",
    "receiverKennitala": "idNumber",
    "fileType": "XML"
  }],
  "id": "id",
  "senderKennitala": "idNumber",
  "status": "received"
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

Response code	Message	Description
200	documentBatchWithStatusDetails	OK
400	Error400_NG	Bad Request
401	Error401_NG	Unauthorized
403	Error403_NG	Forbidden
404	Error404_NG	Not found
405	Error405_NG	Method Not Allowed
406	Error406_NG	Not Acceptable
408		Request Timeout

ÍST TS 314:2021

409	Error409_NG	Conflict
415		Unsupported Media Type
429	Error429_NG	Too Many Requests
500		Internal Server Error
503		Service Unavailable

A.2.5. POST /v1/documents/{document-store-location}

Upload and store new document (**uploadDocument**)

Upload and store new document

For consistency, the basic id rules are as follows for:

- **documentBatchDetails.id**: Is a universally unique identifier (UUID) and needs to be unique for each senderKennitala.
- **fileDetails.id**: Is a universally unique identifier (UUID) and needs to be unique for each senderKennitala.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Path parameters

- **document-store-location (required)** *Path Parameter* – Document store location in path

Request body

- **body [documentBatchDetails](#) (required)** *Body Parameter* — JSON request body for a document batch initiation or update request message

Request headers

Return type

[documentBatchWithStatusDetails](#)

Example data


```
Content-Type: application/json
{
  "documentTypeCode": "documentTypeCode",
  "name": "name",
  "description": "description",
  "files": [{
    "reference": "reference",
    "name": "name",
    "description": "description",
    "id": "id",
    "receiverKennitala": "idNumber",
    "fileType": "XML"
  }, {
    "reference": "reference",
    "name": "name",
    "description": "description",
    "id": "id",
    "receiverKennitala": "idNumber",
    "fileType": "PDF"
  }],
  "id": "id",
  "senderKennitala": "idNumber",
  "status": "received"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json
- application/problem+json

Responses

Response code	Message	Description
200	documentBatchWithStatusDetails	OK
400	Error400_NG	Bad Request
401	Error401_NG	Unauthorized
403	Error403_NG	Forbidden
404	Error404_NG	Not found
405	Error405_NG	Method Not Allowed

ÍST TS 314:2021

408		Request Timeout
409	Error409_NG	Conflict
415		Unsupported Media Type
500		Internal Server Error
503		Service Unavailable

A.3. Models

A.3.1. Error400

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 400 for AIS.

Type: [String](#) A URI reference [RFC3986] that identifies the problem type. Format:

Title (optional): [String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional): [String](#) Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

Code: [MessageCode400](#)

additionalErrors (optional): [array\[Error400_additionalErrors\]](#) Array of Error Information Blocks. Might be used if more than one error is to be communicated

_links (optional): [_linksAll](#)

Error400_NG

IOBWS specific definition of reporting error information in case of a HTTP error code 400.

Messages (optional): [array\[Message400\]](#)

_links (optional): [_linksAll](#)

A.3.2. Error400_additionalErrors

This is a data element to support the declaration of additional errors in the context of [RFC7807].

Title (optional): [errorTitle](#)

Detail (optional): [errorDetail](#)

Code: [MessageCode400](#)

A.3.3. Error401

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 401 for AIS.

Type: *String* A URI reference [RFC3986] that identifies the problem type. format: Uri.

Title (optional): *String* Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional): *String* Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

Code: *MessageCode401*

additionalErrors (optional): *array[Error401_additionalErrors]* Array of Error Information Blocks. Might be used if more than one error is to be communicated.

_links (optional): *_linksAll*

A.3.4. Error401_NG

IOBWS specific definition of reporting error information in case of a HTTP error code 401.

messages (optional): *array[message401]*

_links (optional): *_linksAll*

A.3.5. Error401_additionalErrors

This is a data element to support the declaration of additional errors in the context of [RFC7807].

Title (optional): *errorTitle*

Detail (optional): *errorDetail*

Code: *MessageCode401*

A.3.6. Error403

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 403 for AIS.

Type: *String* A URI reference [RFC3986] that identifies the problem type. format: Uri.

Title (optional): *String* Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

Detail (optional): *String* Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

Code: *MessageCode403*

additionalErrors (optional): *array[Error403_additionalErrors]* Array of Error Information Blocks. Might be used if more than one error is to be communicated.

_links (optional): *_linksAll*

A.3.7. Error403_NG

IOBWS specific definition of reporting error information in case of a HTTP error code 403.

messages (optional): *array[message403]*

ÍST TS 314:2021

_links (optional): [_linksAll](#)

A.3.8. Error403_additionalErrors

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional): [errorTitle](#)

detail (optional): [errorDetail](#)

code: [MessageCode403](#)

A.3.9. Error404

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 404 for AIS.

Type: [String](#) A URI reference [RFC3986] that identifies the problem type. Remark for Future: These URI will be provided by NextGenPSD2 in future. format: Uri.

Title (optional): [String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

Detail (optional): [String](#) Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

Code: [MessageCode404](#)

additionalErrors (optional): [array\[Error404_additionalErrors\]](#) Array of Error Information Blocks. Might be used if more than one error is to be communicated.

_links (optional): [_linksAll](#)

A.3.10. Error404_NG

IOBWS specific definition of reporting error information in case of a HTTP error code 404.

messages (optional): [array\[message404\]](#)

_links (optional): [_linksAll](#)

A.3.11. Error404_additionalErrors

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional): [errorTitle](#)

detail (optional): [errorDetail](#)

code: [MessageCode404](#)

A.3.12. Error405

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 405 for AIS.

Type: [String](#) A URI reference [RFC3986] that identifies the problem type. Remark for Future: These URI will be provided by NextGenPSD2 in future. Format: uri

title (optional): [String](#) Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional): *String* Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

Code: *MessageCode405*

additionalErrors (optional): *array[Error405_additionalErrors]* Array of Error Information Blocks. Might be used if more than one error is to be communicated.

_links (optional): *_linksAll*

A.3.13. Error405_NG

IOBWS specific definition of reporting error information in case of a HTTP error code 401.

Messages (optional): *array[message405]*

_links (optional): *_linksAll*

A.3.14. Error405_additionalErrors

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional): *errorTitle*

detail (optional): *errorDetail*

code: *MessageCode405*

A.3.15. Error406

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 406 for AIS.

Type: *String* A URI reference [RFC3986] that identifies the problem type. Format: Uri.

title (optional): *String* Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional): *String* Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

Code: *MessageCode406*

additionalErrors (optional): *array[Error406_additionalErrors]* Array of Error Information Blocks. Might be used if more than one error is to be communicated.

_links (optional): *_linksAll*

A.3.16. Error406_NG

IOBWS specific definition of reporting error information in case of a HTTP error code 406.

Messages (optional): *array[Message406]*

_links (optional): *_linksAll*

A.3.17. Error406_additionalErrors

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional): *ErrorTitle*

ÍST TS 314:2021

detail (optional): *ErrorDetail*

code: *MessageCode406*

A.3.18. Error409

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 409 for AIS.

Type: *String* A URI reference [RFC3986] that identifies the problem type. Format: Uri

title (optional): *String* Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional): *String* Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

Code: *MessageCode409*

additionalErrors (optional): *array[Error409_additionalErrors]* Array of Error Information Blocks. Might be used if more than one error is to be communicated.

_links (optional): *_linksAll*

A.3.19. Error409_NG

IOBWS specific definition of reporting error information in case of a HTTP error code 409.

Messages (optional): *array[Message409]*

_links (optional): *_linksAll*

A.3.29. Error409_additionalErrors

This is a data element to support the declaration of additional errors in the context of [RFC7807].

title (optional): *ErrorTitle*

detail (optional): *ErrorDetail*

code: *MessageCode409*

A.3.30. Error429

Standardised definition of reporting error information according to [RFC7807] in case of a HTTP error code 429 for AIS.

Type: *String* A URI reference [RFC3986] that identifies the problem type. Format: Uri.

title (optional): *String* Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

detail (optional): *String* Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

Code: *MessageCode429*

additionalErrors (optional): *array[Error429_additionalErrors]* Array of Error Information Blocks. Might be used if more than one error is to be communicated

_links (optional): *_linksAll*

A.3.31. Error429_NG

IOBWS specific definition of reporting error information in case of a HTTP error code 429.

Messages (optional): [array\[Message429\]](#)

_links (optional): [_linksAll](#)

A.3.32. Error429_additionalErrors

This is a data element to support the declaration of additional errors in the context of [RFC7807] in case of a HTTP error code:

title (optional): [ErrorTitle](#)

detail (optional): [ErrorDetail](#)

code: [MessageCode429](#)

A.3.33. Messages

- **MessageCode2XX** Message codes for HTTP Error codes 2XX.
- **MessageCode400** Message codes defined for AIS for HTTP Error code 400 (BAD_REQUEST).
- **MessageCode401** Message codes defined for AIS for HTTP Error code 401 (UNAUTHORIZED).
- **MessageCode403** Message codes defined for AIS for HTTP Error code 403 (FORBIDDEN).
- **MessageCode404** Message codes defined for AIS for HTTP Error code 404 (NOT_FOUND).
- **MessageCode405** Message codes defined for AIS for HTTP Error code 405 (METHOD_NOT_ALLOWED).
- **MessageCode406** Message codes defined for AIS for HTTP Error code 406 (NOT_ACCEPTABLE).
- **MessageCode409** Message codes defined for AIS for HTTP Error code 409 (CONFLICT).
- **MessageCode429** Message codes for HTTP Error code 429 (TOO_MANY_REQUESTS).
- **_linksAll** A _link object with all available link types.
- **authorization** Authorisation by OAuth2 based Protocol.

A.3.34. documentBatchDetails

Document batch details.

Id: Unique ID of the batch, as determined by the initiating party.

Name: [String](#) Short description for the batch.

description (optional): [String](#) The file description usually in this format: <Company name as sender> - <Document type>

senderKennitala: [String](#) Kennitala (ID Number) of the receiver of the document.
https://en.wikipedia.org/wiki/Icelandic_identification_number

documentTypeCode: [String](#) Document type code

files: [array\[fileDetails\]](#)

ÍST TS 314:2021

A.3.35. documentBatchWithStatusDetails

Document batch details.

Id: *uuid*

Name: *String* Short description for the batch

description (optional): *String* The file description usually in this format: <Company name as sender> - <Document type>.

senderKennitala: *String* Kennitala (ID Number) of the sender of the document.
https://en.wikipedia.org/wiki/Icelandic_identification_number

documentTypeCode: *String* Document type code

status (optional): *processStatus*

files: *array[fileWithStatusDetails]*

A.3.36. documentBatchWithStatusList

List of documents with details.

Documents: *array[documentBatchWithStatusDetails]*

A.3.37. documentTypeDetails

Document details.

Code: *String* Unique code for the document type.

Name: *String* Short description for the document type

durableMedia: *Boolean* Control flag describing if document type is durable media. If document type is durable media, then any document batch using this code cannot be updated.

description (optional): *String* Long description for the document.

A.3.38. documentTypeList

List of document type with details.

Documents: *array[documentTypeDetails]*

A.3.39. fileDetails

Document details.

Id: *String* Unique ID of the batch, as determined by the initiating party.

Name: *String* Short description for the file

description (optional): *String* The file description usually in this format: <Company name as sender> - <Document type>

receiverKennitala: *String* Kennitala (ID Number) of the receiver of the document.
https://en.wikipedia.org/wiki/Icelandic_identification_number

filetype: *String* File type only xml, pdf, link is allowed. Xml and pdf are physical files and link is reference to file.

Enum: *XML, PDF*

file (optional): *byte[]* The file in the form of base64 encoded characters format: byte.

fileRef (optional): *String* If the file is reference to an external reference, like <https://www.openbanking.is/files/file.pdf>. If the field 'file' contains data, then this field is discarded. Format: Uri.

reference (optional): *fileReference*

A.3.40. fileReference

File reference is 150 characters long.

A.3.41. fileWithStatusDetails

Document details.

Id: *String* Unique ID of the batch, as determined by the initiating party.

Name: *String* Short description for the file

description (optional): *String* The file description usually in this format: <Company name as sender> - <Document type>.

receiverKennitala: *String* Kennitala (ID Number) of the receiver of the document.
https://en.wikipedia.org/wiki/Icelandic_identification_number

fileType (optional): *String* File type only xml, pdf, link is allowed. Xml and pdf are physical files and link is reference to file.

Enum: *XML, PDF*

Status: *processStatus*

reference (optional): *String* File reference, can be claim no. or any other meaningful reference.

hrefEntry: Link to a resource.

hrefType: Link to a resource.

href (optional): *hrefEntry* Reference to an external document.

status: Process status. The value is one of the following:

- received: The document(s) has been received but processing has not started
- inProgress: The document(s) is being processed
- completed: The document(s) has been processed
- completedWithErrors: The document(s) has been processed with errors
- failed: Failed to process document

statusMessage: Process status message.

A.3.42. Messages

ErrorDetail

Detailed human readable text specific to this instance of the error. XPath might be used to point to the issue generating the error in addition. Remark for Future: In future, a dedicated field might be introduced for the XPath.

ErrorTitle

Short human readable description of error type. Could be in local language. To be provided by ASPSPs.

ÍST TS 314:2021

Message2XX

- category: *MessageCategory*
- code: *MessageCode2XX*
- path (optional): *String*
- text (optional): *MessageText*

Message400

- category: *MessageCategory*
- code: *MessageCode400*
- path (optional): *String*
- text (optional): *MessageText*

Message401

- category: *MessageCategory*
- code: *MessageCode401*
- path (optional): *String*
- text (optional): *MessageText*

Message403

- category: *MessageCategory*
- code: *MessageCode403*
- path (optional): *String*
- text (optional): *MessageText*

Message404

- category: *MessageCategory*
- code: *MessageCode404*
- path (optional): *String*
- text (optional): *MessageText*

Message405

- category: *MessageCategory*
- code: *MessageCode405*
- path (optional): *String*
- text (optional): *MessageText*

Message406

- **category:** *MessageCategory*
- **code:** *MessageCode406*
- **path (optional):** *String*
- **text (optional):** *MessageText*

Message409

- **category:** *MessageCategory*
- **code:** *MessageCode409*
- **path (optional):** *String*
- **text (optional):** *MessageText*

Message429

- **category:** *MessageCategory*
- **code:** *MessageCode429*
- **path (optional):** *String*
- **text (optional):** *MessageText*

MessageCategory

Descriptive message describing the response.

MessageText

Descriptive message text, used when needed.

uuid

Unique identifier

A.4. References

- [kennitala] Icelandic identification number, https://en.wikipedia.org/wiki/Icelandic_identification_number, 14 December 2020
- uuid Universally unique identifier, https://en.wikipedia.org/wiki/Universally_unique_identifier, 22 April 2021

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