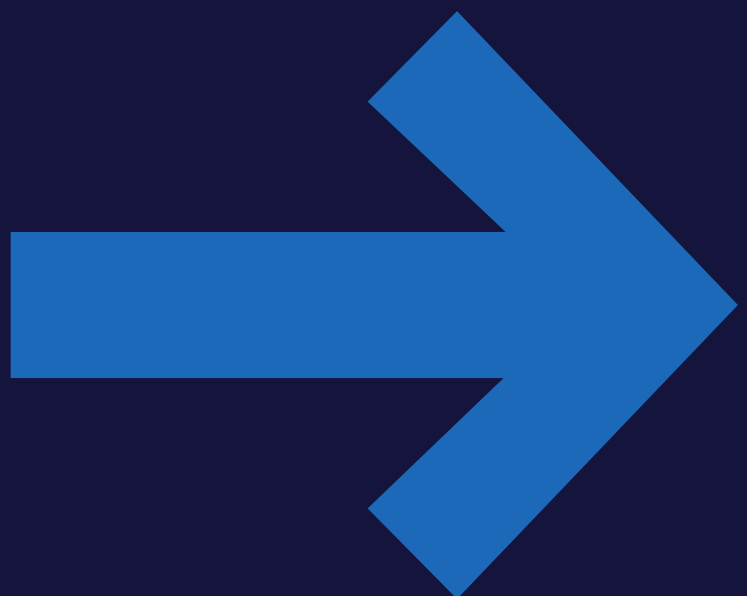


DMS

Declaration Search via AS4

Version: 1.1 - date: 20-08-2025



Document change history

Version	Description	Who	When
0.9	Draft	Ulrik Andersen	15-08-2025
1.0	Initial version	Ulrik Andersen	18-08-2025
1.1	Minor corrections after review	Ulrik Andersen	20-08-2025

Contents

Overview	3
Parameter description	3
Request	6
Synchronous response	6
Response from DMS	7
Error handling	8

Overview

The service `DMS.Shared.Declaration.Search` is used to search for declarations based on various search criteria. Input to the service is an AS4 push message without any attachments (payload), with the search criteria specified in the `MessageProperties` element in the `UserMessage` element.

The asynchronous response will be an AS4 message (either pulled or pushed depending on the setup for the operator), where the response payload from DMS will be attached to the AS4 message. The response payload is an XML document.

The response will be paginated with a default number of 50 declarations per page.

The “page” parameter is used to specify which page the service must return. For the first request this can be set to the value 1 (which is the default if not specified), and if the response contains more than one page, then subsequent pages can be retrieved by resending the same request, but incrementing the page number, until all pages are fetched.

One (and only one) of the following parameters must be specified:

- `mrns`
- `containerIds`
- `transportId`
- `transportDocumentReferences`
- `manifestReferenceNumber`

The rest of the parameters are optional.

Parameter description

page

The current page number in the paginated results. This parameter is optional, and the default value is 1.

So, in the first request this parameter must either be left out or set to the value 1. If the response contains more than one page, then subsequent pages can be retrieved by resending the same request, but incrementing the page number, until all pages are fetched.

mrns

A comma-separated list of Movement Reference Numbers (MRNs). The list must contain maximum 50 MRNs.

containerIds

A comma-separated list of container IDs. The list must contain a maximum of 50 container IDs.

transportId

The transport ID to filter results.

transportDocumentReferences

A comma-separated list of transport document references. Each transport document reference is the concatenated string of type and ID. The list must contain a maximum of 50 transport document references.

manifestReferenceNumber

The manifest reference number.

declarationStatus

The declaration's status in the trader-portal. This parameter is optional.

See table below for a list of status values.

Code	Description
AC	Accepted
AJ	Arrival Rejected
AP	Awaiting Presentation
AR	Arrival Reported
CN	Cancelled
CR	Under Cancellation Request
CS	Completed
DE	Export stopped, discrepancies at Exit
DR	Diversion Rejected
DS	Diverted Status
DV	Delivered
ED	Exited
ER	Under Enquiry Request
ET	Handled Externally
EX	Exported
FA	Declaration Acceptance
FB	Revenue Notification
FC	Declaration Rejected
FD	Intention of Physical Inspection Of Goods
FE	Enquiry for additional information
FF	Declaration Cancellation
FG	Goods Release Notification
FH	Clearance provided (goods released)
GA	Guarantee Under Amendment
GP	Goods Presented
GR	Goods Released
IP	In Progress
IV	Invalidated
MR	Movement Released
MU	Movement Under Resolution
MW	Movement Written-Off
NE	Goods not allowed to Exit
NR	Not released
NT	Not Released for Transit
NV	Not Validated
PA	Pending Manual Acceptance
PD	Paper-based Registered
PG	Pending GPR
PJ	Paper-based Rejected
PL	Pre-Lodged
PR	Partially Refused
PS	Paper-based Submitted
RA	Action Required
RF	Refused
RG	Registered
RI	Awaiting Invalidation Response
RJ	Rejected
RP	Replaced
RR	Response Received
RS	Unloading Remarks Submitted
RTS	Retrospective Submitted

SB	Submitted
SG	Submitted
UA	Under Amendment
UC	Under Control
UJ	Unloading Remarks Rejected
UP	Unloading Permitted
UR	Under Manual Release
URP	Under Recovery Procedure
XR	No release of goods

createdFrom

The start date-time to filter results based on the declaration's creation date. This parameter is optional unless the createdTo parameter is specified.

The value must be a timestamp in UTC time zone formatted like this: 2018-11-03T20:02:39

createdTo

The end date-time. This parameter is optional unless the createdFrom parameter is specified.

The value must be a timestamp in UTC time zone formatted like this: 2018-11-03T20:02:39

expectedArrivalFrom

The start date-time for expected arrival. This parameter is optional unless the expectedArrivalTo parameter is specified.

The value must be a timestamp in UTC time zone formatted like this: 2018-11-03T20:02:39

expectedArrivalTo

The end date-time for expected arrival. This parameter is optional unless the expectedArrivalFrom parameter is specified.

The value must be a timestamp in UTC time zone formatted like this: 2018-11-03T20:02:39

declarant

The declarant EORI number. This parameter is optional.

sortField

Specifies which field the response should be sorted by. Valid values are:

- mrn
- container_number
- transport_id
- transport_reference_doc
- manifest_reference
- submission_date

This parameter is optional.

sortOrder

Specifies the sort order. Valid values are:

- ASC
- DESC

This parameter is optional.

submitterId

This parameter should only be used if the client certificate that is used when sending the request, is registered with a SE-number. In this case the submitterId parameter must contain the SE-number.

Request

To search for declarations an AS4 push request is sent to the path “/exchange/shared”. In the push request the Service and Action elements must be set to:

- Service: DMS.Shared
- Action: Declaration.Search

The parameters for the declaration search must be specified in the MessageProperties element.

See below for an example of the UserMessage element for an AS4 declaration search request:

```
<eb3:UserMessage>
  <eb3:MessageInfo>
    <eb3:Timestamp>2025-08-18T09:07:05.808Z</eb3:Timestamp>
    <eb3:MessageId>e066d275-7cc9-49e3-8e30-5eab185f423a</eb3:MessageId>
  </eb3:MessageInfo>
  <eb3:PartyInfo>
    <eb3:From>
      <eb3:PartyId type="string">CVR_19552101_UI_5eeabf4d-ae1c-4f9e-882b-3edef59e7285_AS4</eb3:PartyId>
      <eb3:Role>http://docs.oasis-open.org/ebxml-msg/ebms/v3.0/ns/core/200704/initiator</eb3:Role>
    </eb3:From>
    <eb3:To>
      <eb3:PartyId type="string">SKAT-MFT-AS4</eb3:PartyId>
      <eb3:Role>http://docs.oasis-open.org/ebxml-msg/ebms/v3.0/ns/core/200704/responder</eb3:Role>
    </eb3:To>
  </eb3:PartyInfo>
  <eb3:CollaborationInfo>
    <eb3:Service type="string">DMS.Shared</eb3:Service>
    <eb3:Action>Declaration.Search</eb3:Action>
    <eb3:ConversationId>my-conversation-id</eb3:ConversationId>
  </eb3:CollaborationInfo>
  <eb3:MessageProperties>
    <eb3:Property name="mrns">24DKRYLVV1D9J2NWA4,24DKRYLVU1D9J2NWA5</eb3:Property>
    <eb3:Property name="createdFrom">2025-07-01T00:00:00</eb3:Property>
    <eb3:Property name="createdTo">2025-07-02T00:00:00</eb3:Property>
  </eb3:MessageProperties>
</eb3:UserMessage>
```

Synchronous response

If the message is received successfully by the AS4 Gateway, then the synchronous response to the above push request will be an AS4 receipt:

```
<eb:SignalMessage>
  <eb:MessageInfo>
    <eb:Timestamp>2025-08-18T09:07:16.481Z</eb:Timestamp>
    <eb:MessageId>418716ed-c2b2-4a60-818a-e4d53821d60b</eb:MessageId>
    <eb:RefToMessageId>e066d275-7cc9-49e3-8e30-5eab185f423a</eb:RefToMessageId>
  </eb:MessageInfo>
  <eb:Receipt>
    <ebbp:NonRepudiationInformation xmlns:ebbp="http://docs.oasis-open.org/ebxml-bp/ebbp-signals-2.0">
```

```

...
  </ebbbsig:NonRepudiationInformation>
</eb:Receipt>
</eb:SignalMessage>

```

The element RefToMessageId will contain the MessageId from the push request.

In case of an error while parsing the push request (e.g. wrong user password, malformed request, etc), then an AS4 error message will be returned in the synchronous response.

Response from DMS

If a successful AS4 receipt was returned by the initial push request, then the final response from DMS will be returned in an AS4 message. The UserMessage element will contain the following information:

```

<eb:UserMessage mpc="urn:fdc:dk.skate.mft.DMS/response/CVR_30808460">
  <eb:MessageInfo>
    <eb:Timestamp>2024-05-27T07:04:22.931Z</eb:Timestamp>
    <eb:MessageId>84964e04-9763-41ab-a165-613ace5e5a76</eb:MessageId>
  </eb:MessageInfo>
  ...
  <eb:CollaborationInfo>
    <eb:Service type="string">http://docs.oasis-open.org/ebxml-
msg/as4/200902/service</eb:Service>
    <eb:Action>Response</eb:Action>
    <eb:ConversationId>my-conversation-id</eb:ConversationId>
  </eb:CollaborationInfo>
  <eb:MessageProperties>
    <eb:Property name="RefToOriginalMessageId">e066d275-7cc9-49e3-8e30-
5eab185f423a</eb:Property>
  </eb:MessageProperties>
  <eb:PayloadInfo>
    <eb:PartInfo href="cid:A1716793462925.13534899@j1UUyd5nKT-CYsIL4kbq">
      <eb:PartProperties/>
    </eb:PartInfo>
  </eb:PayloadInfo>
</eb:UserMessage>

```

The message property RefToOriginalMessageId will contain a reference to the message ID from the initial push request.

The response from DMS will be included in the returned SOAP envelope as an attached XML document. The XSD of the XML response document is:

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<xs:schema version="1.0" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType name="manifestSearchOutput">
    <xs:sequence>
      <xs:element name="declarations" type="declarationsWrapper" minOccurs="0"/>
      <xs:element name="errorMessage" type="xs:string" minOccurs="0"/>
      <xs:element name="page" type="xs:int"/>
      <xs:element name="totalResults" type="xs:long"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="declarationsWrapper">
    <xs:sequence>
      <xs:element name="declarations" type="manifestSearchDeclarationEntity"
nillable="true" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="manifestSearchDeclarationEntity">
    <xs:sequence>
      <xs:element name="arrivalTime" type="xs:dateTime" minOccurs="0"/>
      <xs:element name="containers" type="xs:string" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:schema>

```

```

<xs:element name="created" type="xs:dateTime" minOccurs="0"/>
<xs:element name="declarant" type="xs:string" minOccurs="0"/>
<xs:element name="expectedArrivalTime" type="xs:dateTime" minOccurs="0"/>
<xs:element name="grossMass" type="xs:string" minOccurs="0"/>
<xs:element name="lastUpdated" type="xs:dateTime" minOccurs="0"/>
<xs:element name="manifestReferenceNumber" type="xs:string" minOccurs="0"/>
<xs:element name="mrn" type="xs:string" minOccurs="0"/>
<xs:element name="procedureCategory" type="xs:string" minOccurs="0"/>
<xs:element name="status" type="xs:string" minOccurs="0"/>
<xs:element name="transportId" type="xs:string" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:schema>

```

See below for an example response from DMS:

```

<ManifestSearchOutput>
  <page>1</page>
  <totalResults>2</totalResults>
  <errorMessage/>
  <declarations>
    <declarations>
      <grossMass>10</grossMass>
      <expectedArrivalTime>2025-07-18T08:20:08</expectedArrivalTime>
      <mrn/>
      <transportId>ARRIVALBORDERTRANSPORTMEANS</transportId>
      <manifestReferenceNumber/>
      <containers/>
      <status>FC</status>
      <created>2025-07-01T12:30:18</created>
      <lastUpdated>2025-07-11T12:30:32</lastUpdated>
      <procedureCategory>G4</procedureCategory>
      <declarant>DK36017171</declarant>
      <arrivalTime/>
    </declarations>
    <declarations>
      <grossMass>10</grossMass>
      <expectedArrivalTime>2025-07-18T08:20:08</expectedArrivalTime>
      <mrn/>
      <transportId>ARRIVALBORDERTRANSPORTMEANS</transportId>
      <manifestReferenceNumber/>
      <containers/>
      <status>FC</status>
      <created>2025-07-01T12:31:39</created>
      <lastUpdated>2025-07-11T12:31:46</lastUpdated>
      <procedureCategory>G4</procedureCategory>
      <declarant>DK36017171</declarant>
      <arrivalTime/>
    </declarations>
  </declarations>
</ManifestSearchOutput>

```

Error handling

If an error occurs during the processing of the request or the specified input parameters are not valid, then an error message with an error code will be returned.

Example of an error message:

```

<ManifestSearchOutput>
  <page>0</page>
  <totalResults>0</totalResults>
  <errorMessage>DKW7003</errorMessage>
</ManifestSearchOutput>

```


Possible error codes are:

Error code	Description
DKW7000	Page number is zero or less.
DKW7001	Only one created date parameter was provided, both are needed.
DKW7002	Missing a mandatory input parameter (mrns, containerIds, transportId, transportDocumentReferences, or manifestReferenceNumber).
DKW7003	Only one of the mandatory input parameters are allowed (mrns, containerIds, transportId, transportDocumentReferences, or manifestReferenceNumber).
DKW7004	Only 50 values are allowed in any list.
DKW7005	This field does not support sorting. Sorting is supported on MRN, container number, transport id, transport document reference, declaration creation date, or manifest search number.
DKW7006	A server side error happened during the search.
DKW7007	Only one expected arrival date parameter was provided, both are needed.