



# **NM 19.5.0 - NOP/B2B Reference Manuals - GeneralInformationServices**

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# References

## NM

[1] NOP/B2B Reference Manuals - CommonServices

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# Terminology

## Main Abbreviations and Acronyms

AIM (Aeronautical Information Message)

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## Chapter 1. Introduction

### 1.1. Identification

- (1) This document forms part of the set of the NM 19.5.0 - NOP/B2B Reference Manuals, which all together form the NM 19.5.0 - NOP/B2B Documentation.
- (2) Its reference is B2B/19.5.0/GeneralInformation.
- (3) Its title is NM 19.5.0 - NOP/B2B Reference Manuals - GeneralInformationServices.

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## Chapter 2. Context

- (1) This service group is aimed at giving access to information of a general nature, e.g. AIM, headline news, etc.
- (2) In NM 19.5, the GeneralInformationServices NOP/B2B service group exposes a single service, AIMsService, serving Aeronautical Information Messages (AIMs).



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## Chapter 3. Port Types

### 3.1. AIMsService Port Type

- (1) AIMsService allows for querying and retrieving Aeronautical Information Messages (AIMs):

- a) [AIMListRequest](#) / [AIMListReply](#)
- b) [AIMRetrievalRequest](#) / [AIMRetrievalReply](#)

#### 3.1.1. AIM List Request

##### 3.1.1.1. SOAP

- (1) The associated SOAP operation is:

```
AIMListReply queryAIMs(
    AIMListRequest request
)
```

##### 3.1.1.2. AIMListRequest

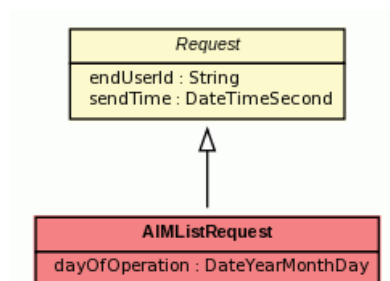


Figure 3.1. AIMListRequest Class Diagram

- (1) Request to query the AIM summaries of which the validity period overlaps the given day of operation.
- (2) Inherits from: [Request](#)
- (3) Attributes:
  - a) **[DateYearMonthDay](#) dayOfOperation** (Mandatory)  
Day for which the AIM summaries are requested.  
Constraint: See [DAY\\_OF\\_OPERATION\\_LESS\\_THAN\\_14\\_MONTHS](#)
- (4) Constraint:

a)	Name	DAY_OF_OPERATION_LESS_THAN_14_MONTHS
	Attribute	<a href="#">dayOfOperation</a>

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Description	The dayOfOperation must be less than 14 months in the past up to any time in the future.
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### 3.1.1.3. AIMListReply

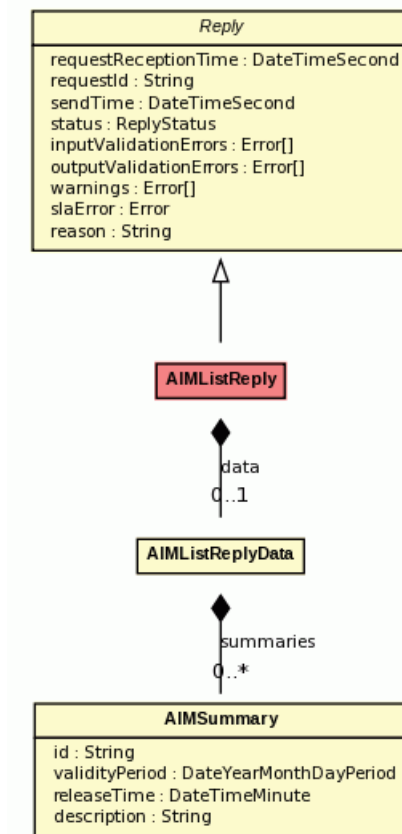


Figure 3.2. AIMListReply Class Diagram

- (1) Reply returned in response to [AIMListRequest](#).
- (2) Inherits from: [Reply](#)
- (3) Attributes:
  - a) [AIMSummary](#)[] **summaries** (Mandatory)  
 The list of AIM summaries that match the query.  
 The order of the AIM summaries in the returned list is not significant.  
 The returned array is empty if no match was found.  
Constraint: Size must be comprised between 0 and ∞.

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### 3.1.2. AIM Retrieval Request

#### 3.1.2.1. SOAP

- (1) The associated SOAP operation is:

```
AIMRetrievalReply retrieveAIMs(
    AIMRetrievalRequest request
)
```

#### 3.1.2.2. AIMRetrievalRequest

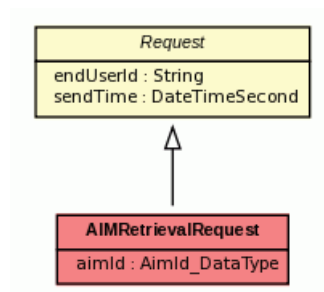


Figure 3.3. *AIMRetrievalRequest Class Diagram*

- (1) Request to retrieve an AIM based on its unique id (extracted from an AIMSummary).
- (2) Inherits from: [Request](#)
- (3) Attributes:
- [AimId\\_DataType](#) **aimId** (Mandatory)  
AIM unique id.

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### 3.1.2.3. AIMRetrievalReply

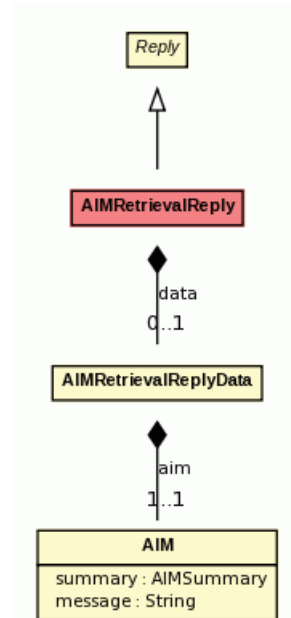


Figure 3.4. *AIMRetrievalReply* Class Diagram

- (1) Reply returned in response to [AIMRetrievalRequest](#).
- (2) Inherits from: [Reply](#)
- (3) Attributes:
  - a) **AIM aim** (Mandatory)  
The requested AIM.

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## Chapter 4. Data Types

### 4.1. AIM

- (1) Attributes:
- a) **AIMSummary** **summary** (Optional)  
AIM summary.
  - b) **string** **message** (Optional)  
AIM body.  
New line characters are encoded using "\n".
- (2) Used by: [AIMRetrievalReply](#), [AIMMessage](#).

### 4.2. typedef<string> AimId\_DataType

- (1) Pattern: DIGIT{8}
- (2) Used by: [AIMRetrievalRequest](#).

### 4.3. AIMS

### 4.4. AIMSummary

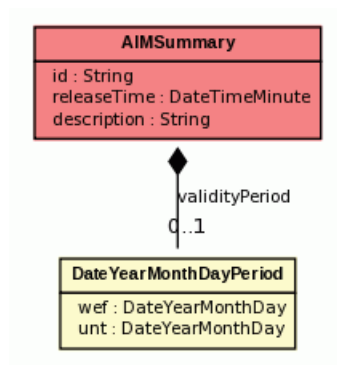


Figure 4.1. AIMSummary Class Diagram

- (1)
- (2) Attributes:
- a) **string** **id** (Optional)  
AIM unique id.
  - b) **DateYearMonthDayPeriod** **validityPeriod** (Optional)  
The period for which the AIM is valid.

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c) **DateTimeMinute releaseTime** (*Optional*)

The time at which the AIM was released.

d) **string description** (*Optional*)

AIM short description.

(3) Used by: [AIM](#), [AIMListReply](#).

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## Chapter 5. PRE-OPS Testing

- (1) The data available in the PRE-OPS platform for the current AIMsService is fed daily from the OPS systems.

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- for faults, the Systems Incident Management Procedure, ref. STD-CM/PRO/SIMP
- for changes, the IT Change Management Process, ref. STD/ITSM/CHG