**TM Forum Specification**

${ApiName}

Conformance Profile

${DocumentNumber}B

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Direct inquiries to the TM Forum office:

4 Century Drive, Suite 100

Parsippany, NJ 07054, USA

Tel No. +1 973 944 5100

Fax No. +1 973 944 5110

TM Forum Web Page: [www.tmforum.org](http://www.tmforum.org/)

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# INTRODUCTION - API DESCRIPTION

${conformance.variables.intro}

# RESOURCE MODEL CONFORMANCE

## API MANDATORY RESOURCES

The following table indicates the mandatory resources for this API.

INSERT-RESOURCES-CONFORMANCE

## General Notes on Resource Attribute Conformance

There are three situations that could occur for an attribute:

* Mandatory attribute,
* Mandatory attribute if the optional parent attribute is present,
* Non-mandatory/Optional attribute. Those are all the other attributes not mentioned in the following subsections. Please refer to the corresponding API REST Specification for more details.
* The tables in the subsections below indicate which attributes are mandatory including mandatory when an optional parent is present.
* Where a resource is an input into an API (e.g. POST, PATCH), Mandatory means that the attribute value must be supplied by the API consumer in the input (and must not be blank or null).
* Where a resource is an output from an API (e.g. GET, POST), Mandatory means that the attribute value must be supplied by the API provider in the output (and must not be blank or null).
* For a sub-resource that is not an array, Mandatory (cardinality 1..1) means that the sub-resource must be present, while Optional (cardinality 0..1) means that the sub-resource may be absent. Mandatory and Optional on the sub-resource attributes apply to the sub-resource if present.
* For a sub-resource that is an array, Mandatory (cardinality 1..\*) means that at least one sub-resource must be present in the array, while Optional (cardinality 0..\*) means that the array may be absent. Mandatory and Optional on the sub-resource attributes apply to each of the sub-resources if present.
* For the polymorphic support attributes (names start with @), the following general rules apply, and so are not repeated in the tables:
* None of the @ attributes are mandatory in input if the actual type of the resource matches the basic type. If the actual type of the resource differs, @type must be populated with the actual type.
* @type is mandatory in output
  + If @type is not the basic type of the resource, then @schemaLocation and @baseType are mandatory in output, otherwise they are optional in output.
  + If the type of a referred entity is not the basic type of the resource, then @referredType is mandatory in output, otherwise it is optional

INSERT-RESOURCES-DETAILED-CONFORMANCE

# NOTIFICATION MODEL CONFORMANCE

The Pub/Sub models are common and described in the TMF REST Design Guidelines. Use the following templates to describe the Hub Mandatory and Optional attributes and filtering support.

## API MANDATORY NOTIFICATIONS

The following table indicates the mandatory notifications for this API.

INSERT-NOTIFICATIONS-CONFORMANCE

# API OPERATIONS CONFORMANCE

For every single resource the following tables includes mandatory operations.

INSERT-API-OPERATION-CONFORMANCE

# API GET OPERATION CONFORMANCE

All the GET operations in this API share the same status code pattern.

|  |  |
| --- | --- |
| GET | Mandatory/Optional |
| Response Status Code 200 | M |
| Response Status Code 404 | M |

## Definitions for Filter

The following definitions apply to all the GET operations:

* Filtered Search: A filtered search can be applied using query parameters to obtain only the resources that meet the criteria defined by the filtering parameters included in the query request. Several elements can be applied to the filtered search. In that case logic, a logical AND is applied to combine the criteria (e.g.:?severity=<value>&status=<value>).
* Attribute selection (Limiting Response Data): In order to limit which attributes are included in the response, the GET request can include the ?fields= query parameter. Only those attributes whose names are supplied in this parameter will be returned. Attribute selection capabilities are the same for collections retrieval and individual resource queries.
* Level: The filtering and attribute selection can apply to the top level resource or to contained resources. The tables below show which attributes need to be supported in top-level or contained resources.

INSERT-GET-RESOURCE-OPERATION-CONFORMANCE

# API POST OPERATION CONFORMANCE

All the POST operations in this API share the same status code pattern.

|  |  |
| --- | --- |
| POST | Mandatory/Optional |
| Status Code 201 | M |

INSERT-POST-RESOURCE-OPERATION-CONFORMANCE

# API PUT OPERATION CONFORMANCE

All the PUT operations in this API share the same status code pattern.

|  |  |
| --- | --- |
| PUT | Mandatory/Optional |
| Status Code 201 | M |

INSERT-PUT-RESOURCE-OPERATION-CONFORMANCE

# API PATCH OPERATION CONFORMANCE

All the PATCH operations in this API share the same status code pattern.

The mandatory application context is JSON Merge.

|  |  |
| --- | --- |
| PATCH | Mandatory/Optional |
| Status Code 200 | M |

INSERT-PATCH-RESOURCE-OPERATION-CONFORMANCE

# API DELETE OPERATION CONFORMANCE

All the DELETE operations in this API share the same status code pattern.

|  |  |
| --- | --- |
| DELETE | Mandatory/Optional |
| Status Code 204 | M |

INSERT-DELETE-RESOURCE-OPERATION-CONFORMANCE

# ACKNOWLEDGEMENTS

## Release History

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