# Annex I: Word format presentation of the test suite for the Policy management Reference Point

## I.1 Overview

The present annex contains a tabular representation of the high-level test descriptions developed as part of ETSI GS NFV TST 010.

In order to maintain compatibility with previous versions of the deliverable, the numbering of clauses and subclauses is kept as defined in ETSI GS NFV-TST 010. Clauses I.2 to I.9 are therefore to be considered Void.

## I.10 Tabular test descriptions

### 10.3.1 Policy Management Interface

#### 10.3.1.1 ApiVersion

##### 10.3.1.1.1 POST API Version - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.1.1 |
| **Test title** | POST API version - Method not implemented |
| **Test objective** | The objective is to test that POST method is not implemented for this resource. |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.1 - ETSI GS NFV-SOL 013 v3.3.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| POST API Version Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/ApiVersion.robot>

##### 10.3.1.1.2 GET API Version

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.1.2 |
| **Test title** | GET API Version |
| **Test objective** | The objective is to test that GET method successfully returns ApiVersionInformation. |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.2 - ETSI GS NFV-SOL 013 v3.3.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| GET API Version Check HTTP Response Status Code Is 200Check HTTP Response Body Json Schema Is ApiVersionInformation |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/ApiVersion.robot>

##### 10.3.1.1.3 PUT API Version - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.1.3 |
| **Test title** | PUT API Version - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not implemented for this resource. |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.3 - ETSI GS NFV-SOL 013 v3.3.1 |
| **Config ID** | Config\_prod\_NFVO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| PUT API Version Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/ApiVersion.robot>

##### 10.3.1.1.4 PATCH API Version - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.1.4 |
| **Test title** | PATCH API Version - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not implemented |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.4 - ETSI GS NFV-SOL 013 v3.3.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| PATCH API Version Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/ApiVersion.robot>

##### 10.3.1.1.5 DELETE API Version - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.1.5 |
| **Test title** | DELETE API Version - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not implemented for this resource. |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.5 - ETSI GS NFV-SOL 013 v3.3.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| DELETE API Version Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/ApiVersion.robot>

##### 10.3.1.1.6 POST API Version with apiMajorVersion - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.1.6 |
| **Test title** | POST API version with apiMajorVersion - Method not implemented |
| **Test objective** | The objective is to test that POST method is not implemented. |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.1 - ETSI GS NFV-SOL 013 v3.3.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| POST API Version Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/ApiVersion.robot>

##### 10.3.1.1.7 GET API Version with apiMajorVersion

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.1.7 |
| **Test title** | GET API Version with apiMajorVersion |
| **Test objective** | The objective is to test that GET method successfully returns ApiVersionInformation. |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.2 - ETSI GS NFV-SOL 013 v3.3.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| GET API Version Check HTTP Response Status Code Is 200Check HTTP Response Body Json Schema Is ApiVersionInformation |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/ApiVersion.robot>

##### 10.3.1.1.8 PUT API Version with apiMajorVersion - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.1.8 |
| **Test title** | PUT API Version with apiMajorVersion - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not implemented. |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.3 - ETSI GS NFV-SOL 013 v3.3.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| PUT API Version Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/ApiVersion.robot>

##### 10.3.1.1.9 PATCH API Version with apiMajorVersion - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.1.9 |
| **Test title** | PATCH API Version with apiMajorVersion - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not implemented. |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.4 - ETSI GS NFV-SOL 013 v3.3.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| PATCH API Version Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/ApiVersion.robot>

##### 10.3.1.1.10 DELETE API Version with apiMajorVersion - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.1.10 |
| **Test title** | DELETE API Version with apiMajorVersion - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not implemented. |
| **Pre-conditions** | none |
| **Reference** | Clause 9.3.3.3.5 - ETSI GS NFV-SOL 013 v3.3.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| DELETE API Version Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/ApiVersion.robot>

#### 10.3.1.2 Policies

##### 10.3.1.2.1 POST Create a new Policy

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.2.1 |
| **Test title** | POST Create a new Policy |
| **Test objective** | The objective is to test that POST method creates a policy. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.3.3.1 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | Policy is created. |
| **Test Case** |
| POST Policies Check HTTP Response Status Code Is 201Check HTTP Response Body Json Schema Is PolicyCheck HTTP Response Header Contains Location |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Policies.robot>

##### 10.3.1.2.2 GET Policies

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.2.2 |
| **Test title** | GET Policies |
| **Test objective** | The objective is to test that GET method retrieves the list of existing policies. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.3.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| GET Policies Check HTTP Response Status Code Is 200Check HTTP Response Body Json Schema Is Policies |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Policies.robot>

##### 10.3.1.2.3 GET Policies - Filter

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.2.3 |
| **Test title** | GET Policies - Filter |
| **Test objective** | The objective is to GET the list of existing policies using a filter. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.3.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| GET Policies with filter Check HTTP Response Status Code Is 200Check HTTP Response Body Json Schema Is Policies |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Policies.robot>

##### 10.3.1.2.4 GET Policies - Bad Request Invalid attribute-based filtering parameters

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.2.4 |
| **Test title** | GET Policies - Bad Request Invalid attribute-based filtering parameters |
| **Test objective** | The objective is to GET the list of existing policies using an invalid filter. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.3.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| Get Policies - invalid filter Check HTTP Response Status Code Is 400Check HTTP Response Body Json Schema Is ProblemDetails |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Policies.robot>

##### 10.3.1.2.5 GET Policies - Bad Request Response too Big

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.2.5 |
| **Test title** | GET Policies - Bad Request Response too Big |
| **Test objective** | The objective is test that the retrieval of existing policies list fails because response is too big, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.3.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | NFV-MANO does not support paged response. |
| **Post-Conditions** | none |
| **Test Case** |
| GET Policies without Paging support Check HTTP Response Status Code Is 400Check HTTP Response Body Json Schema Is ProblemDetails |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Policies.robot>

##### 10.3.1.2.6 GET Policies with "all\_fields" attribute selector

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.2.6 |
| **Test title** | GET Policies with "all\_fields" attribute selector |
| **Test objective** | The objective is to retrieve the list of existing policies with "all\_fields" attribute selector. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.3.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| Get Policies with all\_fields attribute selector Check HTTP Response Status Code Is 200Check HTTP Response Body Json Schema Is Policies |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Policies.robot>

##### 10.3.1.2.7 GET Policies with "exclude\_default" attribute selector

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.2.7 |
| **Test title** | GET policies with "exclude\_default" attribute selector |
| **Test objective** | The objective is to retrieve the list of existing policies with "exclude\_default"s attribute selector. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.3.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| Get Policies with exclude\_default attribute selector Check HTTP Response Status Code Is 200Check HTTP Response Body Json Schema Is Policies |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Policies.robot>

##### 10.3.1.2.8 GET Policies with "fields" attribute selector

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.2.8 |
| **Test title** | GET Policies with "fields" attribute selector |
| **Test objective** | The objective is to retrieve the list of existing policies with "fields" attribute selector. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.3.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| Get Policies with fields attribute selector Check HTTP Response Status Code Is 200Check HTTP Response Body Json Schema Is Policies |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Policies.robot>

##### 10.3.1.2.9 GET Policies with "exclude\_fields" attribute selector

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.2.9 |
| **Test title** | GET Policies with "exclude\_fields" attribute selector |
| **Test objective** | The objective is to retrieve the list of existing policies with "exclude\_fields" attribute selector. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.3.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| Get Policies with exclude\_fields attribute selector Check HTTP Response Status Code Is 200Check HTTP Response Body Json Schema Is Policies |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Policies.robot>

##### 10.3.1.2.10 GET Policies with "exclude\_default" and "fields" attribute selector

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.2.10 |
| **Test title** | GET Policies with "exclude\_default" and "fields" attribute selector |
| **Test objective** | The objective is to retrieve the list of existing policies with "exclude\_default" and "fields" attribute selector |
| **Pre-conditions** |  |
| **Reference** | Clause 5.5.3.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| Get Policies with exclude\_default and fields attribute selector Check HTTP Response Status Code Is 200Check HTTP Response Body Json Schema Is Policies |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Policies.robot>

##### 10.3.1.2.11 GET Policies as Paged Response

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.2.11 |
| **Test title** | GET Policies as Paged Response |
| **Test objective** | The objective is to test that GET method retrieves the list of existing policies as paged response. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.3.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | NFV-MANO supports paged response. |
| **Post-Conditions** | none |
| **Test Case** |
| GET Policies with Paging support Check HTTP Response Status Code Is 200Check HTTP Response Header Contains Link  |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Policies.robot>

##### 10.3.1.2.12 PUT Policies - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.2.12 |
| **Test title** | PUT Policies - Method not implemented |
| **Test objective** | The objective is to test that PUT method cannot modify policies. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.3.3.3 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| PUT Policies Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Policies.robot>

##### 10.3.1.2.13 PATCH Policies - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.2.13 |
| **Test title** | PATCH Policies - Method not implemented |
| **Test objective** | The objective is to test that PATCH method cannot modify policies. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.3.3.4 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| PATCH Policies Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Policies.robot>

##### 10.3.1.2.14 DELETE Policies - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.2.14 |
| **Test title** | DELETE Policies - Method not implemented |
| **Test objective** | The objective is to test that DELETE method cannot delete policies. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.3.3.5 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | Policies are not deleted |
| **Test Case** |
| DELETE Policies Check HTTP Response Status Code Is 405Check Postcondition Policies Exist  |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Policies.robot>

#### 10.3.1.3 IndividualPolicy

##### 10.3.1.3.1 POST Individual Policy - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.3.1 |
| **Test title** | POST Individual Policy - Method not implemented |
| **Test objective** | The objective is to test that POST method is not implemented. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.4.3.1 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| POST Individual Policy Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/IndividualPolicy.robot>

##### 10.3.1.3.2 GET Information about an individual policy - Successful

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.3.2 |
| **Test title** | GET Information about an individual policy - Successful |
| **Test objective** | The objective is to test the retrieval of Individual Policy and perform a JSON schema validation of the returned Policy data structure. |
| **Pre-conditions** | At least one policy is available in the NFV-MANO. |
| **Reference** | Clause 5.5.4.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| GET Individual Policy Check HTTP Response Status Code Is 200Check HTTP Response Body Json Schema Is Policy |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/IndividualPolicy.robot>

##### 10.3.1.3.3 GET Information about an individual policy - NOT FOUND

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.3.3 |
| **Test title** | GET Information about an individual policy - NOT FOUND |
| **Test objective** | The objective is to test that the retrieval of individual policy fails when using an invalid resource identifier. |
| **Pre-conditions** | At least one individual policy is available in the NFV-MANO. |
| **Reference** | Clause 5.5.8.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| GET Individual Policy with Invalid URI Check HTTP Response Status Code Is 404Check HTTP Response Body Json Schema Is ProblemDetails |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/IndividualPolicy.robot>

##### 10.3.1.3.4 PUT an individual policy - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.3.4 |
| **Test title** | PUT an individual policy - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not implemented. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.4.3.3 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| PUT Individual Policy Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/IndividualPolicy.robot>

##### 10.3.1.3.5 PATCH an individual policy - Successful

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.3.5 |
| **Test title** | PATCH an individual policy - Successful |
| **Test objective** | The objective is to test that an individual policy is modified successfully when there is no conflict using PATCH method. |
| **Pre-conditions** | There should not exist a conflict as described in Reference. |
| **Reference** | Clause 5.5.4.3.4 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| PATCH Individual Policy Check HTTP Response Status Code Is 200Check HTTP Response Body Json Schema Is PolicyModifications |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/IndividualPolicy.robot>

##### 10.3.1.3.6 PATCH an individual policy - Conflict

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.3.6 |
| **Test title** | PATCH an individual policy - Conflict |
| **Test objective** | The objective is to test that an individual policy is not modified when there is a conflict using PATCH method. |
| **Pre-conditions** | There exists a conflict as described in Reference. |
| **Reference** | Clause 5.5.4.3.4 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| PATCH Individual Policy Check HTTP Response Status Code Is 409Check HTTP Response Body Json Schema Is ProblemDetails |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/IndividualPolicy.robot>

##### 10.3.1.3.7 DELETE an individual policy - Successful

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.3.7 |
| **Test title** | DELETE an individual policy - Successful |
| **Test objective** | The objective is to test that DELETE method deletes a deactivated individual policy. |
| **Pre-conditions** | The activation status of individual policy to be deleted is not set to ACTIVATED. |
| **Reference** | Clause 5.5.8.3.5 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | The individual policy is not available anymore in the NFV-MANO. |
| **Test Case** |
| DELETE Individual Policy Check HTTP Response Status Code Is 204Check Postcondition Individual Policy is Deleted  |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/IndividualPolicy.robot>

##### 10.3.1.3.8 DELETE an individual policy - CONFLICT

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.3.8 |
| **Test title** | DELETE an individual policy - CONFLICT |
| **Test objective** | The objective is to test that DELETE method does not delete an activated individual policy. |
| **Pre-conditions** | The activation status of individual policy to be deleted is set to ACTIVATED. |
| **Reference** | Clause 5.5.8.3.5 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | The individual policy is not deleted. |
| **Test Case** |
| DELETE Individual Policy in status ACTIVATED Check HTTP Response Status Code Is 409Check HTTP Response Body Json Schema Is ProblemDetailsCheck Postcondition Individual Policy is Not Deleted  |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/IndividualPolicy.robot>

#### 10.3.1.4 SelectedVersionOfAnIndividualPolicy

##### 10.3.1.4.1 POST Selected Version of an Individual Policy - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.4.1 |
| **Test title** | POST Selected Version of an Individual Policy - Method not implemented |
| **Test objective** | The objective is to test that POST method is not implemented for this resource. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.5.3.1 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| POST Selected Version of an Individual Policy Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/SelectedVersionOfAnIndividualPolicy.robot>

##### 10.3.1.4.2 GET Information about the Selected Version of an Individual Policy - Successful

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.4.2 |
| **Test title** | GET Information about the Selected Version of an Individual Policy - Successful |
| **Test objective** | The objective is to test The GET method fetches contents of the selected version of an individual policy and check that the HTTP Content-Type header is set according to the type of content. |
| **Pre-conditions** | Individual policy is available in the NFV-MANO. Policy contents are provided in the json/PolicyContent folder. |
| **Reference** | Clause 5.5.5.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The policy content type is either JSON, YAML or ZIP. |
| **Post-Conditions** | none |
| **Test Case** |
| GET Selected Version of an Individual Policy Check HTTP Response Status Code Is 200Check that the Content-Type Header Is Set  |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/SelectedVersionOfAnIndividualPolicy.robot>

##### 10.3.1.4.3 GET Information about the Selected Version of an Individual Policy - NOT FOUND

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.4.3 |
| **Test title** | GET Information about the Selected Version of an Individual Policy - NOT FOUND |
| **Test objective** | The objective is to test that the information about the selected version of an individual policy fails when using an invalid resource identifier. |
| **Pre-conditions** | The API producer did not find the current representation for the target resource. |
| **Reference** | Clause 5.5.5.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| GET Selected Version of an Individual Policy Check HTTP Response Status Code Is 404Check HTTP Response Body Json Schema Is ProblemDetails |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/SelectedVersionOfAnIndividualPolicy.robot>

##### 10.3.1.4.4 GET Information about the Selected Version of an Individual Policy - CREATED STATE

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.4.4 |
| **Test title** | GET Information about the Selected Version of an Individual Policy - NOT FOUND |
| **Test objective** | The objective is to test that the information about the selected version of an individual policy is not retrieved when it is in CREATED state. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.5.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| GET Selected Version of an Individual Policy in CREATED STATE Check HTTP Response Status Code Is 404Check HTTP Response Body Json Schema Is ProblemDetails |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/SelectedVersionOfAnIndividualPolicy.robot>

##### 10.3.1.4.5 PUT Selected Version of an individual policy - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.4.5 |
| **Test title** | PUT Selected Version of an individual policy - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not implemented for this resource. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.5.3.3 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| PUT Selected Version of an Individual Policy Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/SelectedVersionOfAnIndividualPolicy.robot>

##### 10.3.1.4.6 PATCH Selected Version of an individual policy - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.4.6 |
| **Test title** | PATCH Selected Version of an individual policy - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not implemented for this resource. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.5.3.4 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| PATCH Selected Version of an Individual Policy Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/SelectedVersionOfAnIndividualPolicy.robot>

##### 10.3.1.4.7 DELETE Selected Version of an individual policy - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.4.7 |
| **Test title** | DELETE Selected Version of an individual policy - Method not implemented |
| **Test objective** | The objective is to test that DELETE method is not implemented for this resource. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.5.3.5 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| DELETE Selected Version of an Individual Policy Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/SelectedVersionOfAnIndividualPolicy.robot>

#### 10.3.1.5 ParticularVersionOfAnIndividualPolicy

##### 10.3.1.5.1 POST Particular Version of an Individual Policy - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.5.1 |
| **Test title** | POST Particular Version of an Individual Policy - Method not implemented |
| **Test objective** | The objective is to test that POST method is not implemented for this resource. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.6.3.1 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| POST Particular Version of an Individual Policy Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/ParticularVersionOfAnIndividualPolicy.robot>

##### 10.3.1.5.2 GET Information about a Particular Version of an Individual Policy - Successful

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.5.2 |
| **Test title** | GET Information about a Particular Version of an Individual Policy - Successful |
| **Test objective** | The objective is to test that GET method fetches the content of a particular version of an individual policy. |
| **Pre-conditions** | Individual policy is available in the NFV-MANO. Policy contents are provided in the json/PolicyContent folder. |
| **Reference** | Clause 5.5.6.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The policy content type is either JSON, YAML or ZIP. |
| **Post-Conditions** | none |
| **Test Case** |
| GET Particular Version of an Individual Policy Check HTTP Response Status Code Is 200Check that the Content-Type Header Is Set  |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/ParticularVersionOfAnIndividualPolicy.robot>

##### 10.3.1.5.3 GET Information about a Particular Version of an Individual Policy - NOT FOUND

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.5.3 |
| **Test title** | GET Information about a Particular Version of an Individual Policy - NOT FOUND |
| **Test objective** | The objective is to test that the information about a particular version of an individual policy fails when using an invalid resource identifier. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.6.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| GET Particular Version of an Individual Policy with Invalid URI Check HTTP Response Status Code Is 404Check HTTP Response Body Json Schema Is ProblemDetails |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/ParticularVersionOfAnIndividualPolicy.robot>

##### 10.3.1.5.4 PUT Particular Version of an individual policy - Successful

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.5.4 |
| **Test title** | PUT Particular Version of an individual policy - Successful |
| **Test objective** | The objective is to test that the PUT method transfers the content of a particular version of an individual policy. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.6.3.3 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The policy content type is either JSON, YAML or ZIP. |
| **Post-Conditions** | none |
| **Test Case** |
| PUT Particular Version of an Individual Policy Check HTTP Response Status Code Is 201 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/ParticularVersionOfAnIndividualPolicy.robot>

##### 10.3.1.5.5 PUT Particular Version of an individual policy - CONFLICT

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.5.5 |
| **Test title** | PUT Particular Version of an individual policy - CONFLICT |
| **Test objective** | The objective is to test that the PUT method does not transfer the content of a particular version in case of a conflict. |
| **Pre-conditions** | The particular version has already been transferred to the API producer. |
| **Reference** | Clause 5.5.6.3.3 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | The policy content type is either JSON, YAML or ZIP. |
| **Post-Conditions** | none |
| **Test Case** |
| PUT Particular Version of an Individual Policy CONFLICT Check HTTP Response Status Code Is 409Check HTTP Response Body Json Schema Is ProblemDetails |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/ParticularVersionOfAnIndividualPolicy.robot>

##### 10.3.1.5.6 PATCH Particular Version of an individual policy - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.5.6 |
| **Test title** | PATCH Particular Version of an individual policy - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not implemented for this resource. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.6.3.4 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| PATCH Particular Version of an Individual Policy Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/ParticularVersionOfAnIndividualPolicy.robot>

##### 10.3.1.5.7 DELETE Particular Version of an individual policy - Successful

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.5.7 |
| **Test title** | DELETE Particular Version of an individual policy - Successful |
| **Test objective** | The objective is to test that the DELETE method deletes a particular version of an individual policy. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.6.3.5 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| DELETE Particular Version of an Individual Policy Check HTTP Response Status Code Is 204 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/ParticularVersionOfAnIndividualPolicy.robot>

##### 10.3.1.5.8 DELETE Particular Version of an individual policy - CONFLICT

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.5.8 |
| **Test title** | DELETE Particular Version of an individual policy - CONFLICT |
| **Test objective** | The objective is to test that the DELETE method does not delete a particular version of an individual policy in case of a conflict. |
| **Pre-conditions** | The requested version of the individual policy is the selected version. |
| **Reference** | Clause 5.5.6.3.5 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| DELETE Particular Version of an Individual Policy Check HTTP Response Status Code Is 409Check HTTP Response Body Json Schema Is ProblemDetails |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/ParticularVersionOfAnIndividualPolicy.robot>

#### 10.3.1.6 Subscriptions

##### 10.3.1.6.1 POST Create a new subscription

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.6.1 |
| **Test title** | POST Create a new subscription |
| **Test objective** | The objective is to test that POST method creates a subscription. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.7.3.1 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | Policy subscription is created. |
| **Test Case** |
| POST subscriptions Check HTTP Response Status Code Is 201Check HTTP Response Body Json Schema Is PolicySubscriptionCheck HTTP Response Header Contains LocationCheck Postcondition Policy subscription is created  |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Subscriptions.robot>

##### 10.3.1.6.2 POST Create a new Subscription - DUPLICATION NOT ALLOWED

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.6.2 |
| **Test title** | POST Create a new subscription - DUPLICATION NOT ALLOWED |
| **Test objective** | The objective is to test that POST method cannot create a duplicate subscription. |
| **Pre-conditions** | A subscription shall already exist. |
| **Reference** | Clause 5.5.7.3.1 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | Duplication is not supported by NFVMANO. |
| **Post-Conditions** | Individual subscription resource returned in the location header is available. |
| **Test Case** |
| POST subscriptions NO DUPLICATION Check HTTP Response Status Code Is 303Check HTTP Response Header Contains LocationCheck Postcondition Individual Subscription Resource Returned in Location Header Is Available  |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Subscriptions.robot>

##### 10.3.1.6.3 POST Create a new Subscription - UNPROCESSABLE ENTITY

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.6.3 |
| **Test title** | POST Create a new Subscription - UNPROCESSABLE ENTITY |
| **Test objective** | The objective is to test that correct error code is generated when data in the request body cannot be processed. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.7.3.1 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | Callback URI is not reachable by the API producer. |
| **Post-Conditions** | none |
| **Test Case** |
| POST subscriptions with Invalid Request Check HTTP Response Status Code Is 422Check HTTP Response Body Json Schema Is ProblemDetails |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Subscriptions.robot>

##### 10.3.1.6.4 GET Subscriptions

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.6.4 |
| **Test title** | GET Subscriptions |
| **Test objective** | The objective is to test that GET method retrieves the list of existing subscriptions. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.7.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| GET Subscriptions Check HTTP Response Status Code Is 200Check HTTP Response Body Json Schema Is subscriptions |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Subscriptions.robot>

##### 10.3.1.6.5 GET Subscription - Filter

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.6.5 |
| **Test title** | GET Subscription - Filter |
| **Test objective** | The objective is to GET the list of active subscriptions using a filter. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.7.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| GET Subscriptions with filter Check HTTP Response Status Code Is 200Check HTTP Response Body Json Schema Is subscriptions |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Subscriptions.robot>

##### 10.3.1.6.6 GET subscriptions - Bad Request Invalid attribute-based filtering parameters

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.6.6 |
| **Test title** | GET subscriptions - Bad Request Invalid attribute-based filtering parameters |
| **Test objective** | The objective is to GET the list of active subscriptions using an invalid filter. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.7.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| Get subscriptions - invalid filter Check HTTP Response Status Code Is 400Check HTTP Response Body Json Schema Is ProblemDetails |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Subscriptions.robot>

##### 10.3.1.6.7 GET subscriptions - Bad Request Response too Big

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.6.7 |
| **Test title** | GET subscriptions - Bad Request Response too Big |
| **Test objective** | The objective is test that the retrieval of active subscriptions list fails because response is too big, and perform the JSON schema validation of the failed operation HTTP response. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.7.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | NFV-MANO does not support paged response. |
| **Post-Conditions** | none |
| **Test Case** |
| GET Subscriptions without Paging support Check HTTP Response Status Code Is 400Check HTTP Response Body Json Schema Is ProblemDetails |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Subscriptions.robot>

##### 10.3.1.6.8 GET subscriptions with "all\_fields" attribute selector

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.6.8 |
| **Test title** | GET subscriptions with "all\_fields" attribute selector |
| **Test objective** | The objective is to retrieve the list of active subscriptions with "all\_fields" attribute selector |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.7.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| Get subscriptions with all\_fields attribute selector Check HTTP Response Status Code Is 200Check HTTP Response Body Json Schema Is subscriptions |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Subscriptions.robot>

##### 10.3.1.6.9 GET subscriptions with "exclude\_default" attribute selector

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.6.9 |
| **Test title** | GET subscriptions with "exclude\_default" attribute selector |
| **Test objective** | The objective is to retrieve the list of active subscriptions with "exclude\_default"s attribute selector |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.7.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| Get subscriptions with exclude\_default attribute selector Check HTTP Response Status Code Is 200Check HTTP Response Body Json Schema Is subscriptions |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Subscriptions.robot>

##### 10.3.1.6.10 GET subscriptions with "fields" attribute selector

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.6.10 |
| **Test title** | GET subscriptions with "fields" attribute selector |
| **Test objective** | The objective is to retrieve the list of active subscriptions with "fields" attribute selector |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.7.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| Get subscriptions with fields attribute selector Check HTTP Response Status Code Is 200Check HTTP Response Body Json Schema Is subscriptions |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Subscriptions.robot>

##### 10.3.1.6.11 GET subscriptions with "exclude\_fields" attribute selector

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.6.11 |
| **Test title** | GET subscriptions with "exclude\_fields" attribute selector |
| **Test objective** | The objective is to retrieve the list of active subscriptions with "exclude\_fields" attribute selector |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.7.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| Get subscriptions with exclude\_fields attribute selector Check HTTP Response Status Code Is 200Check HTTP Response Body Json Schema Is subscriptions |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Subscriptions.robot>

##### 10.3.1.6.12 GET Subscriptions as Paged Response

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.6.12 |
| **Test title** | GET Subscriptions as Paged Response |
| **Test objective** | The objective is to test that GET method retrieves the list of existing subscriptions as paged response. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.7.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | NFV-MANO supports paged response. |
| **Post-Conditions** | none |
| **Test Case** |
| GET Subscriptions with Paging support Check HTTP Response Status Code Is 200Check HTTP Response Header Contains Link  |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Subscriptions.robot>

##### 10.3.1.6.13 GET subscriptions with "exclude\_default" and "fields" attribute selector

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.6.13 |
| **Test title** | GET subscriptions with "exclude\_default" and "fields" attribute selector |
| **Test objective** | The objective is to retrieve the list of active subscriptions with "exclude\_default" and "fields" attribute selector |
| **Pre-conditions** |  |
| **Reference** | Clause 5.5.7.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| Get subscriptions with exclude\_default and fields attribute selector Check HTTP Response Status Code Is 200Check HTTP Response Body Json Schema Is subscriptions |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Subscriptions.robot>

##### 10.3.1.6.14 PUT subscriptions - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.6.14 |
| **Test title** | PUT subscriptions - Method not implemented |
| **Test objective** | The objective is to test that PUT method cannot modify a policy management subscription. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.7.3.3 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| PUT subscriptions Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Subscriptions.robot>

##### 10.3.1.6.15 PATCH subscriptions - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.6.15 |
| **Test title** | PATCH subscriptions - Method not implemented |
| **Test objective** | The objective is to test that PATCH method cannot modify a policy management subscription. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.7.3.4 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| PATCH subscriptions Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Subscriptions.robot>

##### 10.3.1.6.16 DELETE subscriptions - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.6.16 |
| **Test title** | DELETE subscriptions - Method not implemented |
| **Test objective** | The objective is to test that DELETE method cannot delete a policy management subscription. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.7.3.5 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | Subscriptions are not deleted |
| **Test Case** |
| DELETE subscriptions Check HTTP Response Status Code Is 405Check Postcondition Subscriptions Exist  |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Subscriptions.robot>

#### 10.3.1.7 IndividualSubscription

##### 10.3.1.7.1 POST Individual Subscription - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.7.1 |
| **Test title** | POST Individual Subscription - Method not implemented |
| **Test objective** | The objective is to test that POST method is not implemented for this resource. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.8.3.1 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| POST Individual Subscription Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/IndividualSubscription.robot>

##### 10.3.1.7.2 GET Information about an individual subscription - Successful

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.7.2 |
| **Test title** | GET Information about an individual subscription - Successful |
| **Test objective** | The objective is to test the retrieval of Policy Management subscription and perform a JSON schema validation of the returned PolicySubscription data structure |
| **Pre-conditions** | At least one policy management subscription is available in the NFV-MANO. |
| **Reference** | Clause 5.5.8.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| GET Individual subscription Check HTTP Response Status Code Is 200Check HTTP Response Body Json Schema Is PolicySubscription |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/IndividualSubscription.robot>

##### 10.3.1.7.3 GET Information about an individual subscription - NOT FOUND

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.7.3 |
| **Test title** | GET Information about an individual subscription - NOT FOUND |
| **Test objective** | The objective is to test that the retrieval of individual Policy Management subscription fails when using an invalid resource identifier. |
| **Pre-conditions** | At least one Policy Management subscription is available in the NFV-MANO. |
| **Reference** | Clause 5.5.8.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| GET Individual subscription with Invalid URI Check HTTP Response Status Code Is 404Check HTTP Response Body Json Schema Is ProblemDetails |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/IndividualSubscription.robot>

##### 10.3.1.7.4 PUT an individual subscription - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.7.4 |
| **Test title** | PUT an individual subscription - Method not implemented |
| **Test objective** | The objective is to test that PUT method is not implemented for this resource. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.8.3.3 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| PUT Individual Subscription Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/IndividualSubscription.robot>

##### 10.3.1.7.5 PATCH an individual subscription - Method not implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.7.5 |
| **Test title** | PATCH an individual subscription - Method not implemented |
| **Test objective** | The objective is to test that PATCH method is not implemented for this resource. |
| **Pre-conditions** | none |
| **Reference** | Clause 5.5.8.3.4 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| PATCH Individual Subscription Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/IndividualSubscription.robot>

##### 10.3.1.7.6 DELETE an individual subscription

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.7.6 |
| **Test title** | DELETE an individual subscription |
| **Test objective** | The objective is to test that DELETE method deletes an individual subscription |
| **Pre-conditions** | At least one policy management subscription is available in the NFV-MANO. |
| **Reference** | Clause 5.5.8.3.5 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | The Policy Management subscription is no longer available in the NFV-MANO. |
| **Test Case** |
| DELETE Individual Subscription Check HTTP Response Status Code Is 204Check Postcondition Individual Subscription is Deleted  |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/IndividualSubscription.robot>

#### 10.3.1.8 Notifications

##### 10.3.1.8.1 Policy Change Notification

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.8.1 |
| **Test title** | Policy Change Notification |
| **Test objective** | The objective is to test the dispatch of Policy Change Notification when the policy is changed, and perform a JSON schema and content validation of the delivered notification. The action that triggers the notification under test is an explicit test step, but it is not performed by the test system. |
| **Pre-conditions** | A subscription for policy change notification is available in the NFV-MANO. |
| **Reference** | Clause 5.5.9.3.1 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| Trigger a change in Policy (external action) Check Policy Management Notification Http POST Request Body Json Schema Is PolicyChangeNotificationCheck Policy Management Notification Http POST Request Body notificationType attribute Is PolicyChangeNotification |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Notifications.robot>

##### 10.3.1.8.2 Policy Conflict Notification

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.8.2 |
| **Test title** | Policy Conflict Notification |
| **Test objective** | The objective is to test the dispatch of Policy Conflict Notification when a conflict in policy is detected, and perform a JSON schema and content validation of the delivered notification. The action that triggers the notification under test is an explicit test step, but it is not performed by the test system. |
| **Pre-conditions** | A subscription for policy conflict notification is available in the NFV-MANO. |
| **Reference** | Clause 5.5.9.3.1 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_NFV-MANO |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| Trigger a conflict in Policy (external action) Check Policy Management Notification Http POST Request Body Json Schema Is PolicyConflictNotificationCheck Policy Management Notification Http POST Request Body notificationType attribute Is PolicyConflictNotification |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/Notifications.robot>

#### 10.3.1.9 NotificationEndpoint

##### 10.3.1.9.1 Policy Change Notification

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.9.1 |
| **Test title** | Policy Change Notification |
| **Test objective** | The objective is to test that Policy Change Notification is delivered with success to the notification consumer. |
| **Pre-conditions** | A subscription for policy change notification is available in the NFV-MANO. |
| **Reference** | Clause 5.5.9.3.1 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_Notif\_Endpoint |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| POST Policy Change Notification Check HTTP Response Status Code Is 204 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/NotificationEndpoint.robot>

##### 10.3.1.9.2 Policy Conflict Notification

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.9.2 |
| **Test title** | Policy Conflict Notification |
| **Test objective** | The objective is to test that Policy Conflict Notification is delivered with success to the notification consumer. |
| **Pre-conditions** | A subscription for policy conflict notification is available in the NFV-MANO. |
| **Reference** | Clause 5.5.9.3.1 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_Notif\_Endpoint |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| POST Policy Conflict Notification Check HTTP Response Status Code Is 204 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/NotificationEndpoint.robot>

##### 10.3.1.9.3 Test the Notification Endpoint - Successful

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.9.3 |
| **Test title** | Test the Notification Endpoint - Successful |
| **Test objective** | The objective is to test the Notification Endpoint provided by the notification consumer. |
| **Pre-conditions** | A notification endpoint is provided by the API consumer upon subscription. |
| **Reference** | Clause 5.5.9.3.2 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_Notif\_Endpoint |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| Get reach the notification endpoint Check HTTP Response Status Code Is 204 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/NotificationEndpoint.robot>

##### 10.3.1.9.4 Test the Notification Endpoint - UNREACHABLE

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.9.4 |
| **Test title** | Test the Notification Endpoint - UNREACHABLE |
| **Test objective** | The objective is to test the Notification Endpoint provided by the notification consumer. |
| **Pre-conditions** | A notification endpoint is provided by the API consumer upon subscription. |
| **Reference** | Clause 5.5.7.3.1 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_Notif\_Endpoint |
| **Applicability** | The notification endpoint is unreachable by the API producer. |
| **Post-Conditions** | none |
| **Test Case** |
| GET reach an unreachable notification endpoint Check HTTP Response Status Code Is 422Check HTTP Response Body Json Schema Is ProblemDetails |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/NotificationEndpoint.robot>

##### 10.3.1.9.5 PUT Notification endpoint - Method Not Implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.9.5 |
| **Test title** | PUT Notification endpoint - Method Not Implemented |
| **Test objective** | The objective is to test the PUT method for Notification Endpoint provided by the consumer is not implemented. |
| **Pre-conditions** | A notification endpoint is provided by the API consumer upon subscription. |
| **Reference** | Clause 5.5.9.3.3 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_Notif\_Endpoint |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| PUT notification endpoint Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/NotificationEndpoint.robot>

##### 10.3.1.9.6 PATCH Notification endpoint - Method Not Implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.9.6 |
| **Test title** | PATCH Notification endpoint - Method Not Implemented |
| **Test objective** | The objective is to test the PATCH method for Notification Endpoint provided by the consumer is not implemented. |
| **Pre-conditions** | A notification endpoint is provided by the API consumer upon subscription. |
| **Reference** | Clause 5.5.9.3.4 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_Notif\_Endpoint |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| PATCH notification endpoint Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/NotificationEndpoint.robot>

##### 10.3.1.9.7 DELETE Notification endpoint - Method Not Implemented

|  |
| --- |
| **Test Purpose** |
| **Test ID** | 10.3.1.9.7 |
| **Test title** | DELETE Notification endpoint - Method Not Implemented |
| **Test objective** | The objective is to test the DELETE method for Notification Endpoint provided by the consumer is not implemented. |
| **Pre-conditions** | A notification endpoint is provided by the API consumer upon subscription. |
| **Reference** | Clause 5.5.9.3.5 - ETSI GS NFV-SOL 012 [7] v3.4.1 |
| **Config ID** | Config\_prod\_Notif\_Endpoint |
| **Applicability** | none |
| **Post-Conditions** | none |
| **Test Case** |
| DELETE notification endpoint Check HTTP Response Status Code Is 405 |

NOTE: Robot code can be found at <https://forge.etsi.org/rep/nfv/api-tests/raw/0131847/SOL012/PolicyManagement-API/NotificationEndpoint.robot>