**NFFGVerifier REST Service Design**

* **CONCEPTUAL DESIGN**

|  |  |
| --- | --- |
| Resources | Method |
| nffgs | **POST** |
| **GET** |
|  |
| nffgs/{id} | **GET**  **DELETE** |
|  | **POST** |
| policies |  |
| **POST** |
| **PUT** |
| **GET** |
| policies/{id} | **GET**  **DELETE** |
| policies/{id}/verification | **PUT** |

* **MAPPING RESOURCES TO URLS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Resources** | **URLs** | **XML Repr.** | **Meaning** |
| nffgs | nffgs |  | Set of all NFFGs |
|  |  |  |  |
| {Id} |  |  |  |
|  | nffgs/{id} | nffg | A Single NFFG |
|  |  |  | identified by Id |
|  |  |  |  |

policies

policies Set of all policies

{Id}

policies/{id} policy A Single policy

identified by Id

verification

policies/{id}/verification verificationResult verification result of a policy

* **DESCRIPTION OF METHODS (Reading info about NFFGs and Policies)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Resources | Method | Query  params | Status  code | Meaning |
| nffgs | **GET** | **nffgId:** xsd:string | **200** | **OK** |
| **500** | **Internal server error** |
|  |  |
| **404** | **Not found** |
| nffgs/{id} | **GET** |  | **200** | **OK** |
| **404** | **Not found** |
| **500** | **Internal server error** |
| policies | **GET** | **policyName: xsd:string** | **200** | **OK** |
| **500** | **Internal server error** |
| policies/{id} | **GET** |  | **200** | **OK** |
| **404** | **Not found** |
| **500** | **Internal server error** |

* **DESCRIPTION OF METHODS (Adding and Removing NFFGs and Policies)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Resources | Method | Request  Body | Status  code | Response  Body | Meaning |
| nffgs | **POST** | **Nffg** | **200** | **Nffg** | **OK** |
| policies | **POST**  **PUT**  **DELETE** | **Policy** | **200** | **Policy** | **OK** |
| policies/{id}/verification | **PUT** | **Policy** | **200** |  | **OK** |
| **404** |  | **Not found** |