

## NFFGVerifier REST Service Design

- CONCEPTUAL DESIGN

Resources	Method
nffgs	<b>POST</b>
	<b>GET</b>
nffgs/{id}	<b>GET</b> <b>DELETE</b>
	<b>POST</b>
policies	
	<b>POST</b>
	<b>PUT</b>
	<b>GET</b>
policies/{id}	<b>GET</b> <b>DELETE</b>
policies/{id}/verification	<b>PUT</b>

- **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
			200	OK
nffgs/{id}	GET		404	Not found
			500	Internal server error

policies	GET	<b>policyName:</b> 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