

02.06.2023

Test Report

WHO Operational Acceptance Test
Smart-Trust-Network-Gateway API Rel.1.5



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Test Basics DDCCG Gateway

- TNG base documentation:

<https://github.com/WorldHealthOrganization/smart-trust-network-gateway/blob/189ba66/docs/Architecture.md>

- Tested Versions:

- Release-Version 1.5
- **Environment:** <https://tng-uat.who.int>
- Test suite version: <https://github.com/WorldHealthOrganization/ddcc-gateway-api-tests/tree/936beeb>
- TNG-Version: 1.5.0-816fccd



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Summary: TNG-API-Test incl. test cases from EU-DCC-GW

- Following test results were established:

		Failed	Passed	Skipped
TOTAL SPECS	16	4	12	0
TOTAL SCENARIO	131	26	103	2

- The tests regarding the federation between two gateways were omitted (folder “federation_2p”)
- Failed tests are mainly new features which have been introduced in EU gateway after the fork to TNG

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Test Details for TNG API Test (1/5) – Core Features

# Certificate handling (specs/gateway/certificates.md)	Status
## upload certificate	PASS
## certificate data distribution	PASS
## delete certificate	PASS
## delete certificate alternate endpoint	PASS
## unauthorized delete certificate	PASS
## unauthorized access to certificate trustlist	PASS
## unauthorized upload certificate 1	PASS
## unauthorized upload certificate 2	PASS
## Upload cert with wrong CSCA	PASS

# Trusted issuer handling (specs/gateway/issuer.md)	
## authorized access to trusted issuer trustlist	FAILED
## unauthorized access to trusted issuer trustlist	PASS

# Reference handling ((specs/gateway/reference.md)	
## upload reference	PASS
## reference data distribution	PASS
## delete reference	PASS
## unauthorized delete reference	PASS
## unauthorized access to reference trustlist	PASS
## unauthorized upload reference 1	PASS
## unauthorized upload reference 2	PASS
## Invalid domain in reference is rejected	PASS

Test failed because trusted issuer was not configured yet. This is a test data problem, not an application error

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Test Details for TNG API Test (2/5) – DSC Handling

# DSC Handling (specs/eugateway/dcc/CertificateHandling.md)	Status
## upload DSC	PASS
## upload DSC with unauthorized client certificate	PASS
## upload DSC with mismatched certificate	PASS
## upload DSC in a wrong format	PASS
## upload DSC two times	PASS
## delete a dsc created	PASS
## delete a dsc created with alias endpoint	PASS
## delete a DSC with unauthorized authentication	PASS
## delete a DSC with client certificate of another country	PASS
## delete a DSC not in database	PASS

# TrustList download (specs/eugateway/dcc/TrustList.md)	Status
## get the complete trustlist	PASS
## get trustlist	PASS
## get trustlist with specific type CSCA	PASS
## get trustlist with specific type and country CSCA XA	PASS
## get trustlist with specific type UPLOAD	PASS
## get trustlist with specific type and country UPLOAD XA	PASS
## get trustlist with specific type DSC	PASS
## get trustlist with specific type and country DSC XA	PASS



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Test Details for TNG API Test (3/5) – Rule Handling

# Upload Rules (specs/eugateway/rules/UploadRules.md)	
## upload valid Rule	PASS
## upload valid Rule with cms header	PASS
## upload Rule with unauthenticated certificate	PASS
## upload Rule with authentication certificate of another country	PASS
## upload rule with trailing characters	PASS
## upload valid Rule	PASS
## upload valid Rule with cms header	PASS
## upload Rule with unauthenticated certificate	PASS
## upload Rule with authentication certificate of another country	PASS
## upload rule with trailing characters	PASS

# Update Rules (specs/eugateway/rules/UpdateRules.md)	
## update Rule to a new version	PASS
## update Rule to a new version and ValidFrom later than old rule	PASS
## update Rule with lower version than the old Rule	PASS
## update Rule Rule without semver	PASS
## Update Rule with ValidFrom less than ValidFrom of older Version	PASS
## Updating a rule automatically removes the old version	PASS

# Get Rules (specs/eugateway/rules/GetRules.md)	
## get list of onboarded countries	PASS
## get list of onboarded countries with unauthenticated certificate	PASS
## download all rules	PASS
## download rules with unauthenticated certificate	PASS

# Delete Rule (specs/eugateway/rules/DeleteRule.md)	
## delete Rule not in database	PASS
## delete Rule	PASS
## delete rule with alias endpoint	PASS
## delete Rule of another country	PASS
## delete invalidation Rule with unauthenticated NBTLs	PASS
## delete Rule	PASS
## delete rule with alias endpoint	PASS
## delete Rule of another country	PASS
## delete invalidation Rule with unauthenticated NBTLs	PASS

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Test Details for TNG API Test (4/5) – Rule content checks & Value Sets

# Content Checks (specs/eugateway/rules_content_checks/ContentChecks.md)	
## upload Rule with uploader country in wrong format	PASS
## upload Rule with wrong uploader country	PASS
## upload Rule with wrong Country in Identifier	PASS
## upload Rule with description not available	PASS
## upload Rule with description text length smaller than 20 characters	PASS
## upload Rule with description filled with one language without english	PASS
## upload Rule with an invalid language in description	PASS
## upload Rule wich doesn't follow semVer	PASS
## upload Rule which Schema version doesn't follow semVer	PASS
## Value of ValidFrom must be before value of ValidTo	PASS
## Value of ValidFrom must be within 2 weeks from today	PASS
## upload Rule with uploader country in wrong format	PASS
## upload Rule with wrong uploader country	PASS
## upload Rule with wrong Country in Identifier	PASS
## upload Rule with description not available	PASS
## upload Rule with description text length smaller than 20 characters	PASS
## upload Rule with description filled with one language without english	PASS
## upload Rule with an invalid language in description	PASS
## upload Rule wich doesn't follow semVer	PASS
## upload Rule which Schema version doesn't follow semVer	PASS
## Value of ValidFrom must be before value of ValidTo	PASS
## Value of ValidFrom must be within 2 weeks from today	PASS

# Content Checks for Acceptance Rules (specs/eugateway/rules_content_checks/ContentChecksAcceptanceRules.md)	
## upload Rule with ValidFrom less than 48h in the future	PASS
## Value of ValidTo must more than 120h future from now	PASS
## upload Rule with CertificateType not matching RuleId	PASS
# Content Checks for Invalidation Rules (specs/eugateway/rules_content_checks/ContentChecksInvalidationRules.md)	
## Value of ValidFrom must be in future from today	PASS
## Value of ValidTo must more than 72h future from now	PASS

# Get Valueset (specs/eugateway/valuesets/GetValueset.md)	
## Get all Valuesets	PASS
## Get specific Valueset	PASS
## Get Valueset with unauthenticated NBTLs	PASS

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Test Details for TNG API Test (5/5) – New EU Gateway features

# Migrate CMS entities (specs/eugateway/cms_migration/cmsmigration.md)	Status
## Get list of CMSs	FAILED
## Migrate a DSC	FAILED
## Migrate a Rule	FAILED
## Attempt to migrate a Rule from other country	FAILED
## Migrate a Revocation Batch	FAILED
## Attempt switching payload	FAILED

# Test cases for Delta Download (specs/eugateway/dcc/DeltaDownload.md)	Status
## Pagination full trust list	FAILED
## Date formats	PASS
## Pagination Default Values	PASS
## Pagination is optional	FAILED
## Changes in Trust List	FAILED
## Pagination trust list by type CSCA	FAILED
## Pagination trust list by type and country CSCA XA	FAILED
## Pagination trust list by type UPLOAD	FAILED
## Pagination trust list by type and country UPLOAD XA	FAILED
## Pagination trust list by type DSC	FAILED
## Pagination trust list by type and country DSC XA	FAILED

# Upload, download and delete revocation lists (specs/eugateway/revocation/UpDownDelete.md)	
## Revocation list download forbidden	PASS
## Cannot download revocation list from future	FAILED
## Revocation batch upload type SIGNATURE expiring in 2 days	FAILED
## Revocation batch upload type UCI expiring in 30 days	FAILED
## Revocation batch upload type COUNTRYCODEUCI expiring in 365 days	FAILED
## Revocation batch upload fails bc wrong country	PASS
## Revocation batch upload fails bc wrong country using first country	PASS
## Revocation batch upload fails bc expired	PASS
## Revocation batch upload fails bc list too big	PASS
## Revocation batch upload fails bc schema invalid	PASS
## Revocation batch delete	FAILED
## Revocation batch delete alternative endpoint	FAILED
## Revocation batch download forbidden	FAILED
## Revocation batch delete fails bc wrong country	FAILED
## Download revocation list from <days_ago> days ago	FAILED
## Download revocation list from <days_ago> days ago	FAILED



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