

Content Gateway API-Test:

Gateway B2B Delta-Update, DSC-Publication & Verifiable Credential	Test Specification Delta Update, DSC Publication & Verifiable Credential
Gateway B2B CMS Migration	Test Specification CMS Migration
Gateway B2B Revocation	Test Specification Revocation
Gateway B2B Regression	Test Specification GW-API-Regression

Abstract Testspecification Delta-Update, DSC-Publication and Verifiable Credential

Schlüssel	Beschreibung	Zusammenfassung	Manuelle Testschritte (Export)
TXR-6359	DCC Delta Update: Pagination full trust list	Download the trust list with a small page size to enforce pagination Check if result is delivered in pages Check if trust list content is identical with unpaginated trust list	<div>1 Action</div> <div>Download the trust list with parametrized filters</div> <div>2 Action</div> <div>Check if filters were effective</div>
TXR-6423	DCC Delta Update: Pagination trust list by type	Download the trust list with a small page size to enforce pagination Check if result is delivered in pages Check if trust list content is identical with unpaginated trust list	<div>1 Action</div> <div>Download the trust list with parametrized filters</div> <div>2 Action</div> <div>Check if filters were effective</div>
TXR-6424	DCC Delta Update: Newly created DSC in Delta	Create a DSC and check if it appears in the trust list if the If-Modified-Since header is set to a time span older than creation of DSC	<div>1 Action</div> <div>Create a DSC and upload</div> <div>2 Action</div> <div>Download the trust list with parametrized filters</div> <div>3 Action</div> <div>Check if filters were effective</div>
TXR-6425	DCC Delta Update: Newly deleted DSC in Delta	Delete a DSC and check if the deletion appears in the trust list if the If-Modified-Since header is set to a time span older than creation of DSC	<div>1 Action</div> <div>Delete a DSC</div> <div>2 Action</div> <div>Download the trust list with parametrized filters</div> <div>3 Action</div> <div>check if deletion appears in the delta download</div>
TXR-6426	DCC Delta Update: RFC 2616/7231 date format	Check if the service understands RFC 2616 date format (e.g. "Mon, 21 Mar 2022 17:00:00 UTC")	<div>1 Action</div> <div>Download the trust list with parametrized filters using the date format</div> <div>2 Action</div> <div>Check if the filters have been effective</div>
TXR-6427	DCC Delta Update: ISO 8601 date format	Check if the service understands ISO 8601 date format (e.g. "2022-03-21T17:00:00Z")	<div>1 Action</div> <div>Download the trust list with parametrized filters using the date format</div> <div>2 Action</div> <div>Check if the filters have been effective and date format has been understood</div>
TXR-6428	DCC Delta Update: Short date format	Check if the service understands short date format (e.g. "20220321")	<div>1 Action</div> <div>Download the trust list with parametrized filters using the date format</div> <div>2 Action</div> <div>Check if the filters have been effective and date format has been understood</div>
TXR-6429	DCC Delta Update: Pagination trust list by type and country	Download the trust list with a small page size to enforce pagination Check if result is delivered in pages Check if trust list content is identical with unpaginated trust list	<div>1 Action</div> <div>Download the trust list with parametrized filters</div> <div>2 Action</div> <div>Check if filters were effective</div>

TXR-6430	DCC Delta Update: Pagination trust list default values	Download the trust list with a small page size to enforce pagination Check if result is delivered in pages Check if trust list content is identical with unpaginated trust list	<div>1 Action</div> <div>Download the trust list with parametrized filters</div> <div>2 Action</div> <div>Check if filters were effective</div>
TXR-6431	DCC Delta Update: Delete and re-upload same KID	Check if delete and re-upload of same KID can be handled	<div>1 Action</div> <div>Create a DSC</div> <div>2 Action</div> <div>Upload DSC</div> <div>3 Action</div> <div>Download the trust list with parametrized filters</div> <div>4 Action</div> <div>Check if filters were effective</div> <div>5 Action</div> <div>Delete DSC</div> <div>6 Action</div> <div>Re-Upload same DSC</div> <div>7 Action</div> <div>Download trust list and check for appearance of KID</div>
TXR-6432	DSC Publication: Compare contents of published list to trust list	Download the trust list and compare to the contents of the published zip	<div>1 Action</div> <div>Download the trust list with parametrized filters</div> <div>2 Action</div> <div>Compare trust list to published ZIP</div> <div>Expected Result</div> <div>Contents should be identical</div>
TXR-5852	DSC_GW_API_TrustIssuer_Download_Trusted_Issuer	<p>Subject: Trusted issuer handling</p> <p>Situation: CountryA and CountryB are both authorized to use the gateway. CountryC is unauthorized. The test cases cover the handling of trusted issuer certificates from their national backends</p> <p>Test issue: download trusted issuer</p> <p>- CountryA and CountryB have onboarded one or more trusted issuer each</p> <p>Steps:</p> <ul style="list-style-type: none"> • "CountryA" downloads the trusted issuer trustlist • check that the response had no error • check that the onboarded issuers are in the trustlist 	<div>1 Action</div> <div>Carry out the appropriated test script belong to the test case description above.</div> <div>Expected Result</div> <div>Script is carried out without error and with the scripted result expected.</div>

Abstract Testspecification CMS Migration

Schlüssel	Beschreibung	Zusammenfassung	Manuelle Testschritte (Export)
TXR-6343	DCC CMS Mig: Get list of migratables	Get the list of migratable entities	There are no steps available.
TXR-6344	DCC CMS Mig: Migrate DSC	Upload a DSC with one UPLOAD cert, then migrate it to UPLOAD2 cert	<div>1 Action</div> <div>Create a DSC</div> <div>Data</div> <div>CSCA</div> <div>Expected Result</div> <div>—</div> <div>2 Action</div> <div>Upload DSC</div> <div>Data</div> <div>UPLOAD1 Cert</div> <div>AUTH Cert</div> <div>Expected Result</div> <div>—</div> <div>3 Action</div> <div>Download List of migratables</div> <div>Data</div> <div>AUTH Cert</div> <div>Expected Result</div> <div>—</div> <div>4 Action</div> <div>Check if DSC is in List</div> <div>Data</div> <div>—</div> <div>Expected Result</div> <div>—</div> <div>5 Action</div> <div>Migrate DSC</div> <div>Data</div> <div>UPLOAD2 Cert</div> <div>AUTH Cert</div> <div>Expected Result</div> <div>—</div> <div>6 Action</div> <div>Get Trust List</div> <div>Data</div> <div>AUTH Cert</div> <div>Expected Result</div> <div>—</div> <div>7 Action</div> <div>Check if migrated entity is in List</div> <div>Data</div> <div>—</div> <div>Expected Result</div> <div>—</div>
TXR-6345	DCC CMS Mig: Migrate Rule	Upload a Rule with one UPLOAD cert, then migrate it to UPLOAD2 cert	<div>1 Action</div> <div>Create a Rule</div> <div>Data</div> <div>—</div> <div>Expected Result</div> <div>—</div> <div>2 Action</div> <div>Upload Rule</div> <div>Data</div> <div>UPLOAD1 Cert</div> <div>AUTH Cert</div> <div>Expected Result</div> <div>—</div> <div>3 Action</div> <div>Download List of migratables</div> <div>Data</div> <div>AUTH Cert</div> <div>Expected Result</div> <div>—</div> <div>4 Action</div> <div>Check if Rule is in List</div> <div>Data</div> <div>—</div>

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TXR-6346	DCC CMS Mig: Migrate Revocation Batch	Upload a DSC with one UPLOAD cert, then migrate it to UPLOAD2 cert	<table><tr><td>1</td><td>Action</td></tr><tr><td></td><td>Create a Revocation Batch</td></tr><tr><td></td><td>Data</td></tr><tr><td></td><td>-</td></tr><tr><td></td><td>Expected Result</td></tr><tr><td></td><td>-</td></tr></table> <table><tr><td>2</td><td>Action</td></tr><tr><td></td><td>Upload Revocation Batch</td></tr><tr><td></td><td>Data</td></tr><tr><td></td><td>UPLOAD1 Cert</td></tr><tr><td></td><td>AUTH Cert</td></tr><tr><td></td><td>Expected Result</td></tr><tr><td></td><td>-</td></tr></table> <table><tr><td>3</td><td>Action</td></tr><tr><td></td><td>Download List of migratables</td></tr><tr><td></td><td>Data</td></tr><tr><td></td><td>AUTH Cert</td></tr><tr><td></td><td>Expected Result</td></tr><tr><td></td><td>-</td></tr></table> <table><tr><td>4</td><td>Action</td></tr><tr><td></td><td>Check if Revocation Batch is in List</td></tr><tr><td></td><td>Data</td></tr><tr><td></td><td>-</td></tr><tr><td></td><td>Expected Result</td></tr><tr><td></td><td>-</td></tr></table> <table><tr><td>5</td><td>Action</td></tr><tr><td></td><td>Migrate Revocation Batch</td></tr><tr><td></td><td>Data</td></tr><tr><td></td><td>UPLOAD2 Cert</td></tr><tr><td></td><td>AUTH Cert</td></tr><tr><td></td><td>Expected Result</td></tr><tr><td></td><td>-</td></tr></table> <table><tr><td>6</td><td>Action</td></tr><tr><td></td><td>Get List of migratables</td></tr><tr><td></td><td>Data</td></tr><tr><td></td><td>AUTH Cert</td></tr><tr><td></td><td>Expected Result</td></tr><tr><td></td><td>-</td></tr></table> <table><tr><td>7</td><td>Action</td></tr><tr><td></td><td>Check if migrated entity is in List</td></tr><tr><td></td><td>Data</td></tr><tr><td></td><td>-</td></tr><tr><td></td><td>Expected Result</td></tr><tr><td></td><td>-</td></tr></table>	1	Action		Create a Revocation Batch		Data		-		Expected Result		-	2	Action		Upload Revocation Batch		Data		UPLOAD1 Cert		AUTH Cert		Expected Result		-	3	Action		Download List of migratables		Data		AUTH Cert		Expected Result		-	4	Action		Check if Revocation Batch is in List		Data		-		Expected Result		-	5	Action		Migrate Revocation Batch		Data		UPLOAD2 Cert		AUTH Cert		Expected Result		-	6	Action		Get List of migratables		Data		AUTH Cert		Expected Result		-	7	Action		Check if migrated entity is in List		Data		-		Expected Result		-
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TXR-6347	DCC CMS Mig: Attempt switching payloads	Attempt to switch the payload during migration	<table><tr><td>1</td><td>Action</td></tr><tr><td></td><td>Create a DSC</td></tr><tr><td></td><td>Data</td></tr><tr><td></td><td>CSCA</td></tr><tr><td></td><td>Expected Result</td></tr><tr><td></td><td>-</td></tr></table>	1	Action		Create a DSC		Data		CSCA		Expected Result		-																																																																												
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			<div>2</div> <div>Action</div> <div>Upload DSC</div> <div>Data</div> <div>UPLOAD1 Cert</div> <div>AUTH Cert</div> <div>Expected Result</div> <div>—</div>
			<div>3</div> <div>Action</div> <div>Download List of migratables</div> <div>Data</div> <div>AUTH Cert</div> <div>Expected Result</div> <div>—</div>
			<div>4</div> <div>Action</div> <div>Check if DSC is in List</div> <div>Data</div> <div>—</div> <div>Expected Result</div> <div>—</div>
			<div>5</div> <div>Action</div> <div>Create a DSC</div> <div>Data</div> <div>CSCA</div> <div>Expected Result</div> <div>—</div>
			<div>6</div> <div>Action</div> <div>Migrate DSC and switch Payload</div> <div>Data</div> <div>UPLOAD2 Cert</div> <div>AUTH Cert</div> <div>Expected Result</div> <div>—</div>
			<div>7</div> <div>Action</div> <div>Check that request has been rejected</div> <div>Data</div> <div>AUTH Cert</div> <div>Expected Result</div> <div>—</div>
TXR-6379	DCC CMS Mig: Attempt to migrate rule of other country	Upload a Rule with one UPLOAD cert of one country Then try to migrate it with certs of other country The attempt must fail	<div>1</div> <div>Action</div> <div>Create a Rule</div> <div>Data</div> <div>—</div> <div>Expected Result</div> <div>—</div>
			<div>2</div> <div>Action</div> <div>Upload Rule</div> <div>Data</div> <div>UPLOAD1 Cert</div> <div>AUTH Cert</div> <div>Expected Result</div> <div>—</div>
			<div>3</div> <div>Action</div> <div>Download List of migratables</div> <div>AUTH Cert</div> <div>Expected Result</div> <div>—</div>
			<div>4</div> <div>Action</div> <div>Check if Rule is in List</div> <div>Data</div> <div>Expected Result</div> <div>—</div>
			<div>5</div> <div>Action</div> <div>Migrate Rule with certificates of other country</div> <div>Data</div> <div>UPLOAD2 Cert</div> <div>AUTH Cert</div> <div>—</div>
			<div>6</div> <div>Action</div> <div>Check if attempt has failed</div> <div>Data</div>

			Expected Result
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Testspecification Revocation B2B

Schlüssel	Beschreibung	Zusammenfassung	Manuelle Testschritte (Export)		
TXR-4896	INT_DCCG Revocation list download	Download the revocation list with an authorized NBTLS certificate	Step	Input/Data	Expected Results
			1 GET /revocation-list	valid NBTLS cert	HTTP 200 OK
			2 Validate schema of JSON response	downloaded list	schema validation passes
TXR-4897	INT_DCCG Revocation list download forbidden	Download the revocation list with an unauthorized or invalid NBTLS certificate	Step	Input/Data	Expected Results
			1 GET /revocation-list	invalid NBTLS cert	Error message, no sensitive data in response
			2 GET /revocation-list	valid NBTLS of unauthorized country	Error message, no sensitive data in response
TXR-4898	INT_DCCG Revocation batch upload type SIGNATURE	Upload a revocation batch of type SIGNATURE Verify that it appears in the batch list and download it.	Step	Input/Data	Expected Results
			1 Create a batch with 10000 entries Expiration: 2 days		
			2 POST /revocation-list	CMS of batch signed with NBUP key	HTTP 201 Batch ID is generated
			3 GET /revocation-list		new Batch ID is in list
			4 GET /revocation-list/<batchID>		List
			5 Check if revocation batch is in ETag header	ETag header	equals Batch ID
TXR-4900	INT_DCCG Revocation batch upload fails bc wrong country	The Revocation list upload fails because the country in the payload is different from the one signing the upload	Step	Input/Data	Expected Results
			1 Create a revocation list		
			2 Attempt to upload the revocation list		upload fails
			3 Check that no new entry appears in revocation list overview		
TXR-4901	INT_DCCG Revocation batch upload fails bc expired	The Revocation list upload fails because the revocation list is already expired when uploaded	Step	Input/Data	Expected Results
			1 Create a revocation list		
			2 Attempt to upload the revocation list		upload fails
			3 Check that no new entry appears in revocation list overview		
TXR-4902	INT_DCCG Revocation batch upload fails bc list with more than 1000 enries.	The Revocation list upload fails because the revocation list is too big (list with more than 1000 entries).	Step	Input/Data	Expected Results
			1 Create a revocation list		
			2 Attempt to upload the revocation list		upload fails
			3 Check that no new entry appears in revocation list overview		
TXR-4903	INT_DCCG Revocation batch upload fails bc schema invalid	The Revocation list upload fails because the revocation list schema is invalid (missing field)	Step	Input/Data	Expected Results
			1 Create a revocation list		
			2 Attempt to upload the revocation list		upload fails
			3 Check that no new entry appears in revocation list overview		
TXR-4904	INT_DCCG Revocation batch delete	Delete a previously uploaded revocation batch	Step	Input/Data	Expected Results
			1 Select a previously uploaded batch ID		
			2 DELETE /revocation-list	["batchId" : "..."]	OK status
			3 Check that batch id is marked as deleted		
TXR-4905	INT_DCCG Revocation batch delete alternative endpoint	Delete a previously uploaded revocation batch	Step	Input/Data	Expected Results
			1 Select a previously uploaded batch ID		
			2 POST /revocation-list/delete	["batchId" : "..."]	OK status
			3 Check that batch is marked as deleted in list		
TXR-4906	INT_DCCG Revocation batch download	Download the revocation batch with an	Step	Input/Data	Expected Results

	forbidden	unauthorized or invalid NBTLS certificate	1 GET /revocation-list/<batchId>	invalid NBTLS cert	Error message, no sensitive data in response
			2 GET /revocation-list/<batchId>	valid NBTLS of unauthorized country	Error message, no sensitive data in response
TXR-4907	INT_DCCG Revocation batch delete fails bc wrong country	Country A: Try to delete a previously uploaded revocation batch from an another Country B!	Step	Input/Data	Expected Results
			1 Select a previously uploaded batch ID, which is uploaded by a country A.		
			2 Try to DELETE /revocation-list by a Country B for a batch with a batchID, which is uploaded by country A.	["batchId" : "..."]	Error message
			3 Check that batch id is not marked as deleted		
TXR-5580	INT_DCCG Revocation batch download forbidden for non EU	Download the revocation batch with an unauthorized or invalid NBTLS certificate	Step	Input/Data	Expected Results
			1 Upload a revocation batch with EU country	Revocation batch	Upload is OK
			2 GET /revocation-list/<batchId>	valid NBTLS of authorized non EU country	Error message, no sensitive data in response
TXR-5702	INT_DCCG Revocation list download_more_than_1000_batches	- CASE: there are more than 1000 batches already uploaded/posted on the GW and are ready for download by member states (f.e. 1002) - Download the revocation list with an authorized NBTLS certificate	Step	Input/Data	Expected Results
			1 GET /revocation-list	valid NBTLS cert	HTTP 200 OK
			2 Validate schema of JSON response	downloaded list	schema validation passes; Value of the "More" field is "TRUE"
			3 Get/Revocation-list with setting the "If-Modifier-Since" in the Request-Header with the last entry received date.	valid NBTLS cert	HTTP 200 ok
			4 Validate schema of JSON response	downloaded list of rest batches	schema validation passes; Value of the "More" field is "FALSE"
TXR-6004	INT_DCCG Revocation batch upload type UCI	Upload a revocation batch of type UCI Verify that it appears in the batch list and download it.	Step	Input/Data	Expected Results
			1 Create a batch with 1000 entries with the same Expiration: 30 days		
			2 POST /revocation-list	CMS of batch signed with NBUP key	HTTP 201 Batch ID is generated
			3 GET /revocation-list		new Batch ID is in list
			4 GET /revocation-list/<batchID>		List
			5 Check if revocation batch is in ETag header	ETag header	equals Batch ID
TXR-6005	INT_DCCG Revocation batch upload type COUNTRYCODEUCI	Upload a revocation batch of type COUNTRYCODEUCI Verify that it appears in the batch list and download it.	Step	Input/Data	Expected Results
			1 Create a batch with 1000 entries Expiration: 365 days		
			2 POST /revocation-list	CMS of batch signed with NBUP key	HTTP 201 Batch ID is generated
			3 GET /revocation-list		new Batch ID is in list
			4 GET /revocation-list/<batchID>		List
			5 Check if revocation batch is in ETag header	ETag header	equals Batch ID

Testspecification GW-Regression

Schlüssel	Beschreibung	Zusammenfassung	Manuelle Testschritte (Export)		
TXR-2059	INT_DGCG_upload_dsc	Upload a DSC of a country	Step	Input/Data	Expected Results
			1 create a valid dsc		
			2 upload dsc		dsc is in trustlist
TXR-2060	INT_DGCG_neg_upload_dsc_with_unauthorized_client_certificate	Upload a DSC of a country with an unauthorized client certificate. The response should be with the status code 401 Unauthorized	Step	Input/Data	Expected Results
			1 create a valid DSC		
			2 create custom authentication certificate		
			3 upload DSC with custom client certificate		Error 401 Unauthorized
TXR-2061	INT_DGCG_neg_upload_dsc_with_mismatched_Certificates	Upload a DSC signed with CSCA certificate of a different country. The response code should be 400	Step	Input/Data	Expected Results
			1 create a valid DSC for another country		
			2 upload DSC		Error 400 Bad Request
TXR-2062	INT_DGCG_neg_upload_dsc_wrong_format	Upload a DSC of a country with the wrong format to trigger Error Code 406	Step	Input/Data	Expected Results
			1 upload text instead of DSC		Error 406 Content is not acceptable
TXR-2063	INT_DGCG_neg_upload_duplicate_dsc	Upload a DSC of a country with a UUID which is already in the database. The API should respond with the error Code 409	Step	Input/Data	Expected Results
			1 create DSC		
			2 upload DSC		DSC is in trustlist
			3 upload DSC (again)		Error 409 Conflict
TXR-2065	INT_DGCG_delete_a_dsc	delete DSC of a country	Step	Input/Data	Expected Results
			1 create a valid DSC		
			2 upload DSC		DSC is in trustlist
			3 delete public key created		public key is deleted in trustlist
TXR-2066	INT_DGCG_neg_delete_a_dsc_not_in_database	delete a dsc of a country which is not in the database	Step	Input/Data	Expected Results
			1 create a valid DSC		
			2 sign DSC with UPLOAD certificate		
			3 delete DSC created		error 400
TXR-2069	INT_DGCG_neg_delete_a_dsc_with_unauthorized_client_certificate	delete a dsc of a country with a client certificate which is not authorized. The Error code should be 401 "unauthorized"	Step	Input/Data	Expected Results
			1 get trustlist of DSCs		
			2 delete dsc of the own country		Http Error 401 Unauthorized
TXR-2070	INT_DGCG_neg_delete_a_dsc_with_client_certificate_of_another_country	delete a DSC of another country with the client certificate not authorized to change DSCs of that country. The error Code should be 403 "Forbidden"	Step	Input/Data	Expected Results
			1 get trustlist of type "DSC"		trustlist with all DSCs
			2 get random dsc from trustlist from another country		
			3 delete dsc from another country		http error 403 forbidden
TXR-2071	INT_DGCG_get_trustlist	Get all trusted certificates	Step	Input/Data	Expected Results
			1 create a valid DSC		
			2 sign DSC with UPLOAD certificate		
			3 check that DSC is not in trustlist		DSC is not in trustlist
			4 upload DSC		
			5 check stat DSC is in trustlist		DSC is in trustlist
			6 delete DSC created		
			7 check that DSC is not in trustlist		DSC is not in trustlist
TXR-2072	INT_DGCG_get_trustlist_with_specific_type	Get all trusted public keys of a specific type	Step	Input/Data	Expected Results
			1 get the trustList just with a specific type	type = CSCA or type = UPLOAD or type = DSC	only certificates with that type should be present
TXR-2073	INT_DGCG_get_trustlist_with_specific_type_and_country	Get trusted public keys with a specific type (for example CSCA) and country.	Step	Input/Data	Expected Results
			1 get trustList with specific type and country	type=csc country=de	only the trustList data with the type and country is present
TXR-2860	INT_DGCG_upload_valid_Rule	Upload a valid Rule	Step	Input/Data	Expected Results

			1	create a valid Invalidation/Acceptance Rule		
			2	upload Rule		Status Code 200
			3	check that Rule is in Rulelist		Rule is in Rulelist
			4	delete Rule created		
TXR-2861	INT_DGCG_neg_upload_rule_with_unauthenticated_certificate	Upload a Rule with an unauthenticated certificate. There should be an error and the Response Code should be 401.	Step		Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	upload Rule with unauthenticated certificate		Response should have status code 401
			3	check that Rule is not in Rulelist		Rule should not be in Rulelist
TXR-2862	INT_DGCG_neg_upload_rule_with_authentication_certificate_of_another_country	Upload a Rule with a NBTLS certificate of another country. There should be an error and the status code should be 400.	Step		Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	upload Rule with certificate from another country		Error with status Code 400
			3	check that Rule is not in Rulelist		Rule is not in Rulelist
TXR-2863	INT_DGCG_update_Rule_to_a_new_version	Update a Rule created to a new version.	Step		Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	upload Rule		
			3	update Rule to new version		Status Code 200
			4	get Rules of own Country		
			5	check that Rule has the new version		rule has the new Version
			6	delete rule created		
TXR-2864	INT_DGCG_neg_update_Rule_with_lower_version_than_the_old_rule	Update a Rule with a Rule lower than the current version. There should be an error.	Step		Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	upload Rule		
			3	update Rule to new version with lower version number		Response Status Code 400
			4	delete Rule created		
TXR-2865	INT_DGCG_neg_update_Rule_with_version_not_using_semver	Update a Rule without following the semantic versioning scheme (e.g. 1.3 instead of 1.3.0)	Step		Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	upload Rule		
			3	update Rule with version in wrong format		Response Status Code 400
			4	delete Rule created		
TXR-2866	INT_DGCG_get_list_of_onboarded_countries	Get all onboarded countries. Should have at least the own country in the list.	Step		Input/Data	Expected Results
			1	get all onboarded countries		Response Status Code 200
			2	check that own country is in onboarded countries list		Own Country is in the list
TXR-2867	INT_DGCG_download_all_Rules	Download Rules of all Countries.	Step		Input/Data	Expected Results
			1	get all onboarded countries		
			2	download rules of all countries		All Responses have status code 200
TXR-2868	INT_DGCG_neg_get_list_of_onboarded_countries_with_unauthenticated_certificate	Get all onboarded countries with unauthenticated certificate. Should lead to an error.	Step		Input/Data	Expected Results
			1	create custom authentication certificate		
			2	get all onboarded countries with custom certificate		Response Status Code 400
TXR-2869	INT_DGCG_download_Rules_with_unauthenticated_certificate	Get Rules from any country with an unauthenticated NBTLS. Should lead to an error.	Step		Input/Data	Expected Results
			1	get all onboarded countries		
			2	create custom authentication certificate		
			3	download rules of all countries with custom certificate		all Responses had the status code 400
TXR-2870	INT_DGCG_delete_Rule	Delete a Rule. This should be no problem	Step		Input/Data	Expected Results

		as Invalidation Rules can be deleted.	1	create a valid Invalidation/Acceptance Rule		
			2	upload Rule		
			3	check that Rule is in Rulelist		Rule is in Rulelist
			4	delete Rule created		Response had no errors
			5	check that Rule is not in Rulelist		Rule is not in Rulelist
TXR-2872	INT_DGCG_neg_delete_Rule_of_another_country	Delete a Rule of another country. This should not be possible.	Step	Input/Data		Expected Results
			1	create a valid Invalidation/Acceptance Rule		
			2	upload Rule		
			3	check that Rule is in Rulelist		Rule is in Rulelist
			4	delete Rule created with certificate of another country		Response should have an error status code
			5	check that Rule is in Rulelist		Rule is in Rulelist
			6	delete Rule		
TXR-2873	INT_DGCG_neg_delete_Rule_with_unauthenticated_NBTLS	Delete a Rule with unauthenticated certificate. This should not be possible.	Step	Input/Data		Expected Results
			1	create a valid Invalidation/Acceptance Rule		
			2	upload Rule		
			3	check that Rule is in Rulelist		rule is in Rulelist
			4	create custom authentication certificate		
			5	delete Rule created with custom client certificate		response status code should be an error status code
			6	check that Rule is in Rulelist		Rule is in Rulelist
			7	delete Rule created		
TXR-2874	INT_DGCG_delete_Rule_not_in_database		Step	Input/Data		Expected Results
			1	delete Rule not in rulelist		Response status code should be an error status code
TXR-2875	INT_DGCG_neg_upload_Rule_with_uploader_country_in_wrong_format	Country attribute in a Rule should be like "en". Otherwise there should be an error	Step	Input/Data		Expected Results
			1	create a valid Invalidation/Acceptance Rule		
			2	change countrycode to a wrong format		
			3	upload Rule		response Code should be 400
			4	check that Rule is not in Rulelist		Rule is not in Rulelist
TXR-2876	INT_DGCG_neg_upload_rule_with_wrong_uploader_country	Upload a Rule from another country. There should be an error.	Step	Input/Data		Expected Results
			1	create a valid Invalidation/Acceptance Rule		
			2	change countrycode to a wrong country		
			3	upload Rule		Response Code should be 403
			4	check that Rule is not in Rulelist		
TXR-2877	INT_DGCG_neg_upload_acceptance_rule_with_ValidFrom_less_than_48h_in_the_future	Upload an Acceptance Rule which is valid earlier than 48h. There should be an error.	Step	Input/Data		Expected Results
			1	create a valid Acceptance Rule		
			2	change ValidFrom less than "48"h		
			3	upload Rule		Error with the http status code "400"
			4	check that Rule is not in Rulelist		
TXR-2878	INT_DGCG_neg_upload_rule_with_ValidTo_less_than_120h_in_the_future	Upload a Rule which is valid less than 72h. There should be an error.	Step	Input/Data		Expected Results
			1	create a valid Acceptance Rule		
			2	change ValidTo less than "120"h		
			3	upload Rule		Error with http status code "400"
			4	check that Rule is not in Rulelist		Rule is not in Rulelist
TXR-2879	INT_DGCG_neg_upload_rule_with_desc	A Rule must have a description. An	Step	Input/Data		Expected Results

	ription_not_available	empty description should be an error.	1	create a valid Invalidation/Acceptance Rule		
			2	remove description of the Rule		
			3	upload Rule		Response http status code should be "400"
			4	check that Rule is not in Rulelist		Rule is not in Rulelist
TXR-2880	INT_DGCG_neg_upload_rule_with_desc ription_filled_with_one_language_without _english	A Rule must have a description in english. Only having a description in another language should be an error	Step		Input/Data	Expected Results
			1	create a valid Invalidation/Acceptance Rule		
			2	use only german in the description of the Rule		
			3	upload Rule		Response should have status code "400"
			4	check that Rule is not in Rulelist		Rule should not be in Rulelist
TXR-2881	INT_DGCG_neg_upload_rule_with_desc ription_having_an_invalid_language	Languages of a Rule should have the formatting like "en" or "en-uk". Otherwise there should be an error.	Step		Input/Data	Expected Results
			1	create a valid Invalidation/Acceptance Rule		
			2	add language "en-" in description		
			3	upload Rule		Response http status code should be "400"
			4	check that Rule is not in Rulelist		Rule is not in Rulelist
TXR-2882	INT_DGCG_neg_upload_rule_which_ver sion_doesn't_follow_semVer	Rule Version should be created with semantic versioning (like "1.2.3" and not like "1.2"). Otherwise there should be an error.	Step		Input/Data	Expected Results
			1	create a valid Invalidation/Acceptance Rule		
			2	set version of the Rule to "10"		
			3	upload Rule		Response status code should be "400"
			4	check that Rule is not in Rulelist		Rule should not be in Rulelist
TXR-2883	INT_DGCG_neg_upload_rule_which_sch ema_version_doesn't_follow_semVer	Rule Schema Version should be created with semantic versioning (like "1.2.3" and not like "1.2"). Otherwise there should be an error.	Step		Input/Data	Expected Results
			1	create a valid Invalidation/Acceptance Rule		
			2	set version of the schema to "10"		
			3	Upload Rule		Response http status code should be "400"
			4	check that Rule is not in Rulelist		Rule is not in Rulelist
TXR-2884	INT_DGCG_Updating_a_rule_automatic ally_removes_the_old_version	After a rule is updated and valid the old rule should not be in the downloaded list.	Step		Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	upload Rule		Response doesn't have errors
			3	Update Rule with new Version with ValidFrom 10 Seconds in the future		Both Versions should be in Rulelist
			4	Wait for 10 Seconds		Only the new Version should be in Rulelist
TXR-2885	INT_DGCG_get_all_valuesets	Get All Valuesets. Response code should be 200.	Step		Input/Data	Expected Results
			1	get all valuesets		Check that Response is not Empty and has Response Code 200
TXR-2886	INT_DGCG_get_specifig_Valueset	Get data of a specific Valueset. The test first downloads all Valuesets and then checks if it can download the specifirif	Step		Input/Data	Expected Results
			1	get all valuesets		
			2	get details of first Valueset in list		Response is not empty and has no errors
TXR-2887	INT_DGCG_get_valueset_with_unauthen ticated_NBTLS		Step		Input/Data	Expected Results
			1	create custom authentication certificate		
			2	get all valuesets with custom certificate		Response http status code should be "401"
TXR-3004	INT_DGCG_neg_upload_rule_with_the_ identifier_of_another_Country	Upload a Rule with the Identifier of another Country	Step		Input/Data	Expected Results
			1	create a valid Invalidation/Acceptance Rule		
			2	change countrycode in Identifier to a wrong country		
			3	upload Rule		Response should have Status Code 403
TXR-3005	INT_DGCG_neg_Value_of_ValidFrom_m	Value of ValidFrom must be before value	Step		Input/Data	Expected Results

	ust_be_before_value_of_ValidTo	of ValidTo	1	create a valid Invalidation/Acceptance Rule		
			2	set ValidFrom after ValidTo value		
			3	upload Rule		Response Status Code should be 400
TXR-3006	INT_DGCG_neg_Value_of_ValidFrom_must_be_within_2_weeks_from_today	Value of ValidFrom must be within 2 weeks from today	Step	Input/Data		Expected Results
			1	create a valid Invalidation/Acceptance Rule		
			2	set ValidFrom more than "14" days in the future		
			3	upload Rule		Response Code should be 400
TXR-3007	INT_DGCG_neg_Value_of_ValidFrom_must_be_in_future_of_today	Test that the Gateway responds with an error message if the ValidFrom Value is not in the Future	Step	Input/Data		Expected Results
			1	create a valid Invalidation Rule		
			2	change ValidFrom less than "0"h		
			3	upload Rule		Response Status Code should be 400
TXR-3031	INT_DGCG_neg_upload_rule_with_description_text_length_smaller_than_20_characters	A Rule must have a description. Those descriptions must have a length of at least 20 characters.	Step	Input/Data		Expected Results
			1	create a valid Invalidation/Acceptance Rule		
			2	change description to have less than "20" characters		
			3	upload Rule		Response Code should be 400
TXR-3032	INT_DGCG_update_Rule_to_a_new_version_and_ValidFrom_later_than_old_rule	Update a Rule created to a new version and ValidFrom value later than old rule. In the end both Versions of the rule should be downloaded.	Step	Input/Data		Expected Results
			1	create a valid Invalidation/Acceptance Rule		
			2	upload Rule		
			3	change Rule to new version		
			4	upload Rule		Response Code should be "201"
			5	check that Rule has the new version		Rule has the new Version
			6	check that both versions of the rule exist		both versions of the rule exist
TXR-3090	INT_DGCG_neg_upload_rule_with_CertificateType_not_matching_Rule_Identifier	Upload a Acceptance Rule where the CertificateType is not matching the Rule Identifier of the Rule. The Response code should be 400	Step	Input/Data		Expected Results
			1	Create a valid Acceptance Rule		
			2	change CertificateType to be invalid	If Rule Identifier is like "VR-..." the CertificateType should be changed to "General" and else to "Vaccination"	
			3	upload Rule		Response Code should be 400
TXR-3199	INT_DGCG_delete_Rule_with_alias_endpoint	Delete a Rule by using the POST endpoint. This is used so that a body can be used in a POST request instead of a DELETE request.	Step	Input/Data		Expected Results
			1	create a valid Invalidation/Acceptance Rule		
			2	upload Rule		
			3	check that Rule is in Rulelist		Rule is in Rulelist
			4	delete Rule using alias Endpoint		Response had no errors
			5	check that Rule is not in Rulelist		Rule is not in Rulelist
TXR-3200	INT_DGCG_delete_a_dsc_with_alias_endpoint	Delete a DSC certificate of a country by using the POST endpoint. This is used so that a body can be used in a POST request instead of a DELETE request.	Step	Input/Data		Expected Results
			1	create a valid DSC		
			2	upload DSC		DSC is in trustlist
			3	delete public key created using alias Endpoint		public key is deleted in trustlist
TXR-3209	INT_DGCG_upload_valid_reference_with	The content type header of rules normally	Step	Input/Data		Expected Results

	_cms_header	in the test is "application/cms-text" but it can also be "application/cms" like for the certificates	1	create a valid Invalidation/Acceptance Rule		
			2	upload Rule with cms header		Status Code 200
			3	check that Rule is in Rulelist		Rule is in Rulelist
			4	delete Rule created		
				Step	Input/Data	Expected Results
TXR-3213	INT_DGCG_RAT_valueset_equal_to_JRE_database	The National Backend should update the RAT Valuesets from the JRC database.	1	get RAT Valuesets from JRC database		
			2	get RAT Valuesets from Gateway		
			3	check that RAT Valuesets from JRC database and Gateway match		all Values of JRE Database are in Gateway and are marked active if they are in the common List