

## BV & EC

Analysis	ID	Description
File Properties	EC_IVF01	input file not found
	EC_IVF02	File is empty
	EC_IVF03	File is not a JSON file
File Contents	EC_V01	Valid file & contents, temporal
	EC_V02	Valid file & contents, final
	EC_IV01	File Without Token Value
	EC_IV02	File Without Type Of Revocation
	EC_IV03	File Without Reason
	EC_IV04	File with Empty Token Value
	EC_IV05	File with Empty Type Of Revocation
	EC_IV06	File with Empty Reason
	EC_IV07	File with Invalid Token Value
	EC_IV08	File with Invalid Type Of Revocation
	EC_IV09	File Large Reason
	EC_IV10	File with Wrong Token Value
	EC_IV11	File with Wrong Type Of Revocation
	EC_IV12	File with Wrong Reason

Analysis	ID	Description
Output String	EC_V01	Valid output, temporal
		Output is a String
		Output is an email
	EC_V02	Valid output, final
		Output is a String
		Output is an email
Output Error	EC_IVO01	Token previously revoked.

## Syntax Analysis

$\Sigma = \{\Sigma_T, \Sigma_{NT}, S, P\}$

$\Sigma_T$  (Terminal Symbols) =  $\{\}$

$\Sigma_{NT}$  (Non-Terminal Symbols) =  $\{\}$

S: is the axiom \ start symbol.

P: is the set of productions.

P =  $\{$

FILE ::= START DATA END

START ::=  $\{$

END ::=  $\}$

DATA ::= VAR1 SEPARATOR VAR2 SEPARATOR VAR3

SEPARATOR ::=  $,$

EQUAL ::=  $:$

Q ::=  $"$

P ::=  $.$

ALPHABET ::= a | b | c | d | e | f | g | h | i | j | k | l | m | n | o | p | q |  
r | s | t | u | v | w | x | y | z

NUMBERS ::= 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9

VAR1 ::= LABEL1 EQUALS VALUE1

LABEL1 ::= Q NAME1 Q

NAME1 ::= **Token Value**

VALUE1 ::= Q HASH Q

HASH ::= ALPHABET | NUMBERS |  $-$  |  $+$  |  $\backslash$

VAR2 ::= LABEL2 EQUALS VALUE2

LABEL2 ::= Q NAME2 Q

NAME2 ::= **Type of revocation**

VALUE2 ::= Q TYPE Q

TYPE ::= TEMPORAL | FINAL

VAR3 ::= LABEL3 EQUALS VALUE3

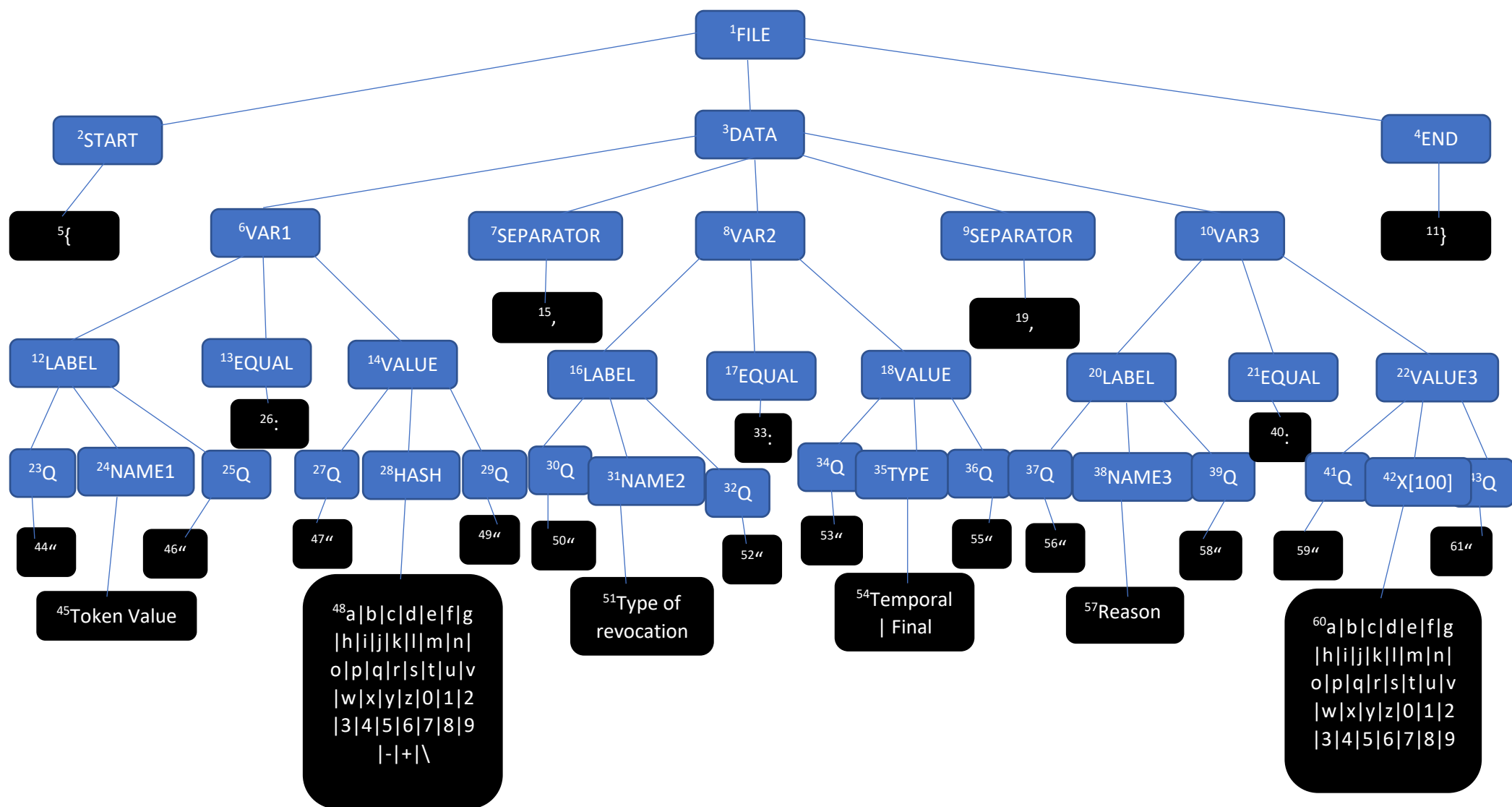
LABEL3 ::= Q NAME3 Q

NAME3 ::= **Reason**

VALUE3 ::= Q X[100] Q (100X's)

X ::= ALPHABET | NUMBERS

$\}$



Non-Terminal Nodes	1, 2, 3, 4, 6, 7, 8, 9, 10, 12, 13, 14, 16, 17, 18, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31, 32, 34, 35, 36, 37, 38, 39, 41, 42, 43
Terminal Nodes	5, 11, 15, 19, 26, 33, 40, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61

Selection of test cases:

Test Case ID	Input Parameters	Covered Nodes
Syntax_V01	<p>Result: File Exists Detail: All terminal nodes covered with valid cases Input:</p> <pre>{   "Token   Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY   mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT   AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N   To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNmNjI5YzQ3   N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=",   "Type of revocation":"Temporal",   "Reason":"abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	5, 11, 15, 19, 26, 33, 40, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61
Syntax_V02	<p>Result: File Exists Detail: All terminal nodes covered with valid cases Input:</p> <pre>{   "Token   Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PTdhMjhmZ   mIzZTk1OTA2ZmZjYzk5YWQ3MTBhYTFmYWZhXG4gaWF0PTE4L   TAzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1   NTo0MDJiODJmZjEzNWUxYzRiOTZiMjVINzJmMzhhODQ2YTtzNzM   yMDRmMTZiODE0NjRiZTIhNGU4ZTA4ZmNiMmVIYzc=",   "Type of revocation":"Final",   "Reason":"abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	5, 11, 15, 19, 26, 33, 40, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61
Syntax_IV01	<p>Detail: Non-Terminal 1 omission Input:</p>	All terminals + non-terminals
Syntax_IV02	<p>Detail: Non-Terminal 2 omission Input:</p> <pre>"Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=", "Type of revocation":"Temporal", "Reason":"abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	2, 5
Syntax_IV03	<p>Detail: Non-Terminal 2 repetition Input:</p> <pre>{{   "Token   Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY   mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT   AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N   To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNmNjI5YzQ3   N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=",   "Type of revocation":"Temporal",   "Reason":"abcdefghijklmnopqrstuvwxyz01234567890"} }</pre>	2, 5
Syntax_IV04	<p>Detail: Non-Terminal 3 omission Input:</p> <pre>{   }</pre>	6, 7, 8, 9, 10, 12, 13, 14, 16, 17, 18, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31, 32, 34, 35, 36, 37, 38, 39, 41, 42,

		43, 45, 48, 51, 54, 57, 60
Syntax_IV05	<p>Detail: Non-Terminal 3 repetition</p> <p>Input:</p> <pre>{   "Token   Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY   mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT   AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N   To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3   N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=",   "Type of revocation":"Temporal",   "Reason":"abcdefghijklmnopqrstuvwxyz01234567890"   "Token   Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY   mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT   AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N   To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3   N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=",   "Type of revocation":"Temporal",   "Reason":"abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	6, 7, 8, 9, 10, 12, 13, 14, 16, 17, 18, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31, 32, 34, 35, 36, 37, 38, 39, 41, 42, 43, 45, 48, 51, 54, 57, 60
Syntax_IV06	<p>Detail: Non-Terminal 6 omission</p> <p>Input:</p> <pre>{ ,   "Type of revocation":"Temporal",   "Reason":"abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	6, 12, 13, 14, 23, 24, 25, 26, 27, 28, 29, 44, 45, 46, 47, 48, 49
Syntax_IV07	<p>Detail: Non-Terminal 6 repetition</p> <p>Input:</p> <pre>{   "Token   Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY   mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT   AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N   To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3   N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=""Tok   en   Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY   mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT   AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N   To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3   N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=",   "Type of revocation":"Temporal",   "Reason":"abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	6, 12, 13, 14, 23, 24, 25, 26, 27, 28, 29, 44, 45, 46, 47, 48, 49
Syntax_IV08	<p>Detail: Non-Terminal 7 omission</p> <p>Input:</p> <pre>{   "Token   Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY   mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT   AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N   To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3   N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU="   "Type of revocation":"Temporal",   "Reason":"abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	7, 15

Syntax_IV09	<p>Detail: Non-Terminal 7 repetition Input:</p> <pre>{ "Token Value": "QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=", "Type of revocation": "Temporal", "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	7, 15
Syntax_IV10	<p>Detail: Non-Terminal 12 omission Input:</p> <pre>{ :"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0N Dc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTazLTI wMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0M DExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N2N mMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=", "Type of revocation": "Temporal", "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	12, 23, 24, 25, 44, 45, 46
Syntax_IV11	<p>Detail: Non-Terminal 12 repetition Input:</p> <pre>{ "Token Value""Token Value": "QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=", "Type of revocation": "Temporal", "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	12, 23, 24, 25, 44, 45, 46
Syntax_IV12	<p>Detail: Non-Terminal 13 omission Input:</p> <pre>{ "Token Value""QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=", "Type of revocation": "Temporal", "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	13, 26
Syntax_IV13	<p>Detail: Non-Terminal 13 repetition Input:</p> <pre>{ "Token Value": : "QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNm YmY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4L TAzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1 NTo0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ 3N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=", "Type of revocation": "Temporal", "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	13, 26

	}	
Syntax_IV14	<p>Detail: Non-Terminal 14 omission Input:</p> <pre>{ "Token Value":, "Type of revocation":"Temporal", "Reason":"abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	14, 27, 28, 29, 47, 48, 49
Syntax_IV15	<p>Detail: Non-Terminal 14 repetition Input:</p> <pre>{ "Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NT0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU="QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NT0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=", "Type of revocation":"Temporal", "Reason":"abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	14, 27, 28, 29, 47, 48, 49
Syntax_IV16	<p>Detail: Non-Terminal 23 omission Input:</p> <pre>{ Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NT0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=", "Type of revocation":"Temporal", "Reason":"abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	23, 44
Syntax_IV17	<p>Detail: Non-Terminal 23 repetition Input:</p> <pre>{ "Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NT0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=", "Type of revocation":"Temporal", "Reason":"abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	23, 44
Syntax_IV18	<p>Detail: Non-Terminal 24 omission Input:</p> <pre>{ "":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NT0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=", "Type of revocation":"Temporal",</pre>	24, 45

	"Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }	
Syntax_IV19	Detail: Non-Terminal 24 repetition Input:  { "Token ValueToken Value": "QWxnPUhTMjU2XG4gVHlwPVBUEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=", "Type of revocation": "Temporal", "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }	24, 45
Syntax_IV20	Detail: Non-Terminal 25 omission Input:  { "Token Value": "QWxnPUhTMjU2XG4gVHlwPVBUEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=", "Type of revocation": "Temporal", "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }	25, 46
Syntax_IV21	Detail: Non-Terminal 25 repetition Input:  { "Token Value""": "QWxnPUhTMjU2XG4gVHlwPVBUEU1xuRGV2PWY0ZDNmY YmY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT TAzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1 NTo0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 3N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=", "Type of revocation": "Temporal", "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }	25, 46
Syntax_IV22	Detail: Terminal 26 modification Input:  { "Token Value"/": "QWxnPUhTMjU2XG4gVHlwPVBUEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=", "Type of revocation": "Temporal", "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }	26
Syntax_IV23	Detail: Non-Terminal 27 omission Input:  { "Token Value": QWxnPUhTMjU2XG4gVHlwPVBUEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N	27, 47



	<pre>To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=", "Type of revocation": "Temporal", "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	
Syntax_IV24	<p>Detail: Non-Terminal 27 repetition Input:</p> <pre>{ "Token Value": ""QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNm YmY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4L TAzLTlWmJAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1 NT0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=", "Type of revocation": "Temporal", "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	27, 47
Syntax_IV25	<p>Detail: Non-Terminal 28 omission Input:</p> <pre>{ "Token Value": "", "Type of revocation": "Temporal", "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	28, 48
Syntax_IV26	<p>Detail: Non-Terminal 29 omission Input:</p> <pre>{ "Token Value": "QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT AzLTlWmJAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=, "Type of revocation": "Temporal", "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	29, 49
Syntax_IV27	<p>Detail: Non-Terminal 29 repetition Input:</p> <pre>{ "Token Value": "QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT AzLTlWmJAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=", "Type of revocation": "Temporal", "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	29, 49
Syntax_IV28	<p>Detail: Non-Terminal 35 omission Input:</p> <pre>{ "Token Value": "QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT AzLTlWmJAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=", "Type of revocation": "", </pre>	35, 54

	"Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }	
Syntax_IV29	Detail: Non-Terminal 35 repetition Input:  { "Token Value": "QWxnPUhTMjU2XG4gVHlwPVBUEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=", "Type of revocation": "Temporal", "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }	35, 54
Syntax_IV30	Detail: Non-Terminal 42 omission Input:  { "Token Value": "QWxnPUhTMjU2XG4gVHlwPVBUEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=", "Type of revocation": "Temporal", "Reason": "" }	42, 60
Syntax_IV31	Detail: Non-Terminal 42 repetition Input:  { "Token Value": "QWxnPUhTMjU2XG4gVHlwPVBUEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=", "Type of revocation": "Temporal", "Reason": "abcdefghijklmnopqrstuvwxyz012345 67890abcdefghijklmnopqrstuvwxyz012345678 90abcdefghijklmnopqrstuvwxyz01234567890" }	42, 60
Syntax_IV32	Detail: Terminal 5 modification Input:  [ "Token Value": "QWxnPUhTMjU2XG4gVHlwPVBUEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=", "Type of revocation": "Temporal", "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }	5
Syntax_IV33	Detail: Terminal 11 modification Input:  { "Token Value": "QWxnPUhTMjU2XG4gVHlwPVBUEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT	11

	AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=", "Type of revocation": "Temporal", "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" ]	
Syntax_IV34	Detail: Terminal 15 modification Input: <pre>{   "Token   Value": "QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY   mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT   AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N   To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3   N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=";   "Type of revocation": "Temporal",   "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	15
Syntax_IV35	Detail: Terminal 44 modification Input: <pre>{   'Token   Value': "QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY   mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT   AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N   To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3   N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=",   "Type of revocation": "Temporal",   "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	44
Syntax_IV36	Detail: Terminal 45 modification Input: <pre>{   "Tokan   Value": "QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY   mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT   AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N   To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3   N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=",   "Type of revocation": "Temporal",   "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	45
Syntax_IV37	Detail: Terminal 46 modification Input: <pre>{   "Token   Value': "QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY   mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT   AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N   To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3   N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=",   "Type of revocation": "Temporal",   "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	46
Syntax_IV38	Detail: Terminal 47 modification Input: <pre>{</pre>	47

	"Token Value":'QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=', "Type of revocation": "Temporal", "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }	
Syntax_IV39	Detail: Terminal 48 modification Input:  { "Token Value":"]WxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=', "Type of revocation": "Temporal", "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }	48
Syntax_IV40	Detail: Terminal 49 modification Input:  { "Token Value": "QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=', "Type of revocation": "Temporal", "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }	49
Syntax_IV41	Detail: Terminal 51 modification Input:  { "Token Value": "QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=', "Type of revocation": "Temporal", "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }	51
Syntax_IV42	Detail: Terminal 54 modification Input:  { "Token Value": "QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=', "Type of revocation": "Temporel", "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }	54
Syntax_IV43	Detail: Terminal 57 modification Input:	57

	<pre>{   "Token   Value": "QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=",   "Type of revocation": "Temporal",   "Reason": "abcdefghijklmnopqrstuvwxyz01234567890" }</pre>	
Syntax_IV44	<p>Detail: Terminal 60 modification Input:</p> <pre>{   "Token   Value": "QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmY mY0NDc4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LT AzLTIwMjAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1N To0MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3 N2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=",   "Type of revocation": "Temporal",   "Reason": "+bcdefghijklmnopqrstuvwxyz01234567890" }</pre>	60

Output	Test case	
PASSED	V	1, 2
Error: JSON object cannot be created due to incorrect representation	IV	1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 20, 21, 22, 23, 24, 26, 27, 32, 33, 34, 35, 37, 38, 40
Error: invalid input data in JSON structure.		43, 41, 36, 19, 18, 4
Error: invalid Token value data in JSON structure.		39, 25
Error: invalid Type of revocation data in JSON structure.		42, 29, 28
Error: invalid Reason data in JSON structure.		44
Error: invalid String length for Reason.		31, 30