# **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; Type of	
		operation: "Send	
		Information from Sensor"	
	EC_V02	Valid file & contents; "Type	
		of operation: Send Request	
		to Actuator"	
	EC_V03	Valid file & contents; "Type	
		of operation: Check State"	
	EC_IV01	File without "Token Value"	
	EC_IV02	File without "Type of	
		Operation"	
	EC_IV03	File with empty "Token	
		Value"	
	EC_IV04	File with empty "Type of	
		Operation"	
	EC_IV05	File with Invalid "Token	
		Value"	
	EC_IV06	File with Invalid "Type of	
		Operation"	
	EC_IV07	File with Wrong "Token	
		Value"	
	EC_IV08	File with Wrong "Type of	
		Operation"	

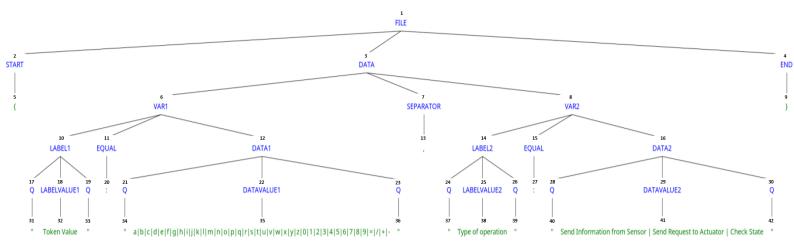
Analysis	ID	Description	
Output String	EC_V01	Valid output, "Type of	
		Operation: Send Information	
		from Sensor"	
		Output Boolean	
		Output is True	
	EC_V02	Valid output, "Type of	
		Operation: Send Request to	
		Actuator"	
		Output Boolean	
		Output is True	
	EC_V03	Valid output, "Type of	
		Operation: Check State"	
		Output Boolean	
		Output is True	

# **SYNTAX ANALYSIS**

#### **GRAMMAR DEFINITION.**

```
FILE ::= START DATA END
START ::= {
END ::= }
DATA ::= VAR1 SEPARATOR VAR2
SEPARATOR ::= ,
VAR1 ::= LABEL1 EQUAL DATA1
VAR2 ::= LABEL2 EQUAL DATA2
EQUAL ::= :
LABEL1 ::= Q LABELVALUE1 Q
LABELVALUE1 ::= Token Value
DATA1 ::= Q DATAVALUE1 Q
DATAVALUE1 ::= 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 | 0
              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | = | - | + | \
LABEL2 ::= Q LABELVALUE2 Q
LABELVALUE2 ::= Type of operation
DATA2 ::= Q DATAVALUE2 Q
DATAVALUE2 ::= Send Information from Sensor | Send Request to Actuator
               | Check State
Q ::= ""
```

## **DERIVATION TREE.**



Terminal Nodes:	5, 9, 13, 20, 27, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42
Non-Terminal Nodes:	1, 2, 3, 4, 6, 7, 8, 10, 11, 12, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24,
	25, 26, 28, 29, 30

### **SELECTION OF TEST CASES.**

Test Case ID	Input Parameters	Covered Nodes
Syntax-V01	Result: File Exists Detail: All Terminal Nodes covered with valid cases. Input: {     "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	All Nodes
Syntax-O-IV01	Detail: Non-Terminal 1 Omission. Input:	All Nodes
Syntax-R-IV02	Detail: Non-Terminal 1 Repetition. Input: {  "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	All Nodes
Syntax-O-IV03	Detail: Non-Terminal 2 Omission. Input:  "Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6Mjl6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=", "Type of Operation":"Check State" }	2, 5
Syntax-R-IV04	Detail: Non-Terminal 2 Repetition.	2, 5

	Input:	
	<b>\{\}</b>	
	"Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND	
	c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM	
	jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0	
	MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N	
	2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=",	
	"Type of Operation":"Check State"	
	}	
Syntax-O-IV05	Detail: Non-Terminal 3 Omission.	3, 6, 7, 8, 10, 11,
	Input:	12, 13, 14, 15, 16,
	<b>1</b>	17, 18, 19, 20, 21,
		22, 23, 24, 25, 26,
	1	
	]	27, 28, 29, 30, 31,
		32, 33, 34, 35, 36,
		37, 38, 39, 40, 41,
		42
Syntax-R-IV06	Detail: Non-Terminal 3 Repetition.	3, 6, 7, 8, 10, 11,
	Input:	12, 13, 14, 15, 16,
	{ ·	17, 18, 19, 20, 21,
	"Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND	22, 23, 24, 25, 26,
	c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM	27, 28, 29, 30, 31,
	jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0	32, 33, 34, 35, 36,
	MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N	37, 38, 39, 40, 41,
	2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=",	42
	"Type of Operation":"Check State"	
	"Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND	
	c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM	
	jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0	
	MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N	
	2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=",	
	· · · · · · · · · · · · · · · · · · ·	
	"Type of Operation":"Check State"	
	}	
Syntax-O-IV07	Detail: Non-Terminal 4 Omission.	4, 9
	Input:	
	{	
	"Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND	
	c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM	
	jAgMTc6Mjl6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0	
	MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N	
	2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=",	
	"Type of Operation":"Check State"	
Syntax-R-IV08	Detail: Non-Terminal 4 Repetition.	4, 9
	Input:	
	{	
	"Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND	
	c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM	
	jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0	
	MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N	
1	2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=",	

	"Type of Operation":"Check State"	
Syntax-M-IV09	<pre>}} Detail: Terminal 5 Modification. Input: /// // // // // // // // // // // // /</pre>	5
	"Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=", "Type of Operation":"Check State"	
Syntax-O-IV10	Detail: Non-Terminal 6 Omission. Input: {	6, 10, 11, 12, 17, 18, 19, 20, 21, 22, 23, 31, 32, 33, 34, 35, 36
	"Type of Operation":"Check State"	33,30
Syntax-R-IV11	Detail: Non-Terminal 6 Repetition. Input: {     "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	6, 10, 11, 12, 17, 18, 19, 20, 21, 22, 23, 31, 32, 33, 34, 35, 36
	2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=" "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=", "Type of Operation":"Check State"	
Syntax-O-IV12	} Detail: Non-Terminal 7 Omission.	7, 13
	Input: {  "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	
Syntax-R-IV13	Detail: Non-Terminal 7 Repetition. Input: {  "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	7, 13
	jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=",,	

	"Type of Operation":"Check State"	
Syntax-O-IV14	Detail: Non-Terminal 8 Omission. Input: {     "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	8, 14, 15, 16, 24, 25, 26, 27, 28, 29, 30, 37, 38, 39, 40, 41, 42
Syntax-R-IV15	Detail: Non-Terminal 8 Repetition. Input: {  "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=",  "Type of Operation":"Check State" "Type of Operation":"Check State" }	8, 14, 15, 16, 24, 25, 26, 27, 28, 29, 30, 37, 38, 39, 40, 41, 42
Syntax-M-IV16	Detail: Terminal 9 Modification. Input: {  "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=",  "Type of Operation":"Check State"	9
Syntax-O-IV17	Detail: Non-Terminal 10 Omission. Input: { :"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=", "Type of Operation":"Check State" }	10, 17, 18, 19, 31, 32, 33
Syntax-R-IV18	Detail: Non-Terminal 10 Repetition. Input: {     "Token Value" "Token     Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	10, 17, 18, 19, 31, 32, 33

	2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=", "Type of Operation":"Check State" }	
Syntax-O-IV19	Detail: Non-Terminal 11 Omission. Input: {	11, 20
	"Token Value" "QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=", "Type of Operation":"Check State"	
	}	
Syntax-R-IV20	Detail: Non-Terminal 11 Repetition. Input: {	11, 20
	"Token Value"::"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=", "Type of Operation":"Check State"	
Syntax-O-IV21	Detail: Non-Terminal 12 Omission. Input: {     "Token Value":,     "Type of Operation":"Check State"	12, 21, 22, 23, 34, 35, 36
	}	
Syntax-R-IV22	Detail: Non-Terminal 12 Repetition. Input:  {  "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	12, 21, 22, 23, 34, 35, 36
Syntax-M-IV23	Detail: Terminal 13 Modification. Input: {     "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	13

	2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=".	
	"Type of Operation":"Check State"	
Syntax-O-IV24	Detail: Non-Terminal 14 Omission. Input: {     "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	14, 24, 25, 26, 37, 38, 39
Syntax-R-IV25	Detail: Non-Terminal 14 Repetition. Input: {	14, 24, 25, 26, 37, 38, 39
	"Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=", "Type of Operation":"Check State"	
Syntax-O-IV26	Detail: Non-Terminal 15 Omission. Input: {     "Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND	15, 27
Syntax-R-IV27	Detail: Non-Terminal 15 Repetition. Input: {     "Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND	15, 27
Syntax-O-IV28	Detail: Non-Terminal 16 Omission. Input: {     "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	16, 28, 29, 30

	"Type of Operation":	
Syntax-R-IV29	Detail: Non-Terminal 16 Repetition. Input: {     "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	16, 28, 29, 30
Syntax-O-IV30	Detail: Non-Terminal 17 Omission. Input: {     Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	17, 31
Syntax-R-IV31	Detail: Non-Terminal 17 Repetition. Input: {     ""Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	17, 31
Syntax-O-IV32	Detail: Non-Terminal 18 Omission.  Input: {     "":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND	18, 32
Syntax-R-IV33	Detail: Non-Terminal 18 Repetition. Input: {     "Token Value Token Value":	18, 32

	"Type of Operation":"Check State"	
Syntax-O-IV34	Detail: Non-Terminal 19 Omission. Input: {  "Token Value :"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=", "Type of Operation":"Check State"	19, 33
Syntax-R-IV35	Detail: Non-Terminal 19 Repetition. Input: {  "Token Value"":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	19, 33
Syntax-M-IV36	Detail: Terminal 20 Modification. Input: {  "Token Value";"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=",  "Type of Operation":"Check State"	20
Syntax-O-IV37	Detail: Non-Terminal 21 Omission. Input: {  "Token Value": QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND	21, 34
Syntax-R-IV38	Detail: Non-Terminal 21 Repetition. Input: {  "Token Value":""QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=", "Type of Operation":"Check State"	21, 34

	}	
Syntax-O-IV39	Detail: Non-Terminal 22 Omission. Input: {	22, 35
	"Token Value":"",	
	"Type of Operation":"Check State"	
Syntax-R-IV40	Detail: Non-Terminal 22 Repetition.	22, 35
	Input:	
	{	
	"Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND	
	c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM	
	jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0	
	MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=	
	QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND	
	c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM	
	jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0	
	MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N	
	2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU=",	
	"Type of Operation":"Check State"	
	}	
Syntax-O-IV41	Detail: Non-Terminal 23 Omission.	23, 36
	Input:	
	1 "Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND	
	c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM	
	jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0	
	MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N	
	2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJlMjdhZjcwODU= ,	
	"Type of Operation":"Check State"	
	}	
Syntax-R-IV42	Detail: Non-Terminal 23 Repetition.	23, 36
	Input:	
	{	
	"Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM	
	jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0	
	MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N	
	2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU="",	
	"Type of Operation":"Check State"	
	}	
Syntax-O-IV43	Detail: Non-Terminal 24 Omission.	24, 37
	Input:	
	"Tokon Voluo","OM/veDHbTMiHOVCAr/HIbDVDFH4DCV/2DM/VOZDM/VVOND	
	"Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM	
	jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0	
	MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N	
	2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=",	
	Type of Operation":"Check State"	

	}	
Syntax-R-IV44	Detail: Non-Terminal 24 Repetition. Input: {     "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	24, 37
Syntax-O-IV45	Detail: Non-Terminal 25 Omission. Input: {     "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	25, 38
Syntax-R-IV46	Detail: Non-Terminal 25 Repetition. Input: {     "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	25, 38
Syntax-O-IV47	Detail: Non-Terminal 26 Omission. Input: {     "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	26, 39
Syntax-R-IV48	Detail: Non-Terminal 26 Repetition. Input: {     "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	26, 39

Syntax-M-IV49	Detail: Terminal 27 Modification. Input: {  (Taken Value" "ONA = BUILT MILES CADVUIL - B	27
	"Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=", "Type of Operation"-"Check State"	
Syntax-O-IV50	} Detail: Non-Terminal 28 Omission. Input:	28, 40
	{ "Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND	
Syntax-R-IV51	Detail: Non-Terminal 28 Repetition. Input: {  "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=",  "Type of Operation":""Check State"	28, 40
Syntax-O-IV52	Detail: Non-Terminal 29 Omission. Input: {     "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	29, 41
Syntax-R-IV53	Detail: Non-Terminal 29 Repetition. Input: {  "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=",  "Type of Operation":"Check State Check State" }	29, 41
Syntax-O-IV54	Detail: Non-Terminal 30 Omission.	30, 42

	Input:	
	{ "Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND	
Syntax-R-IV55	Detail: Non-Terminal 30 Repetition. Input:	30, 42
	"Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=", "Type of Operation":"Check State""	
Syntax-M-IV56	Detail: Terminal 31 Modification. Input: {  'Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND  c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM  jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0	30, 42
	MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=", "Type of Operation":"Check State"	
Syntax-M-IV57	Detail: Terminal 32 Modification. Input: {  "Tokon Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=",  "Type of Operation":"Check State" }	32
Syntax-M-IV58	Detail: Terminal 33 Modification. Input: {  "Token Value.:"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=", "Type of Operation":"Check State" }	33
Syntax-M-IV59	Detail: Terminal 34 Modification. Input:	34

	{     "Token Value":¿QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND	
Syntax-M-IV60	Detail: Terminal 35 Modification. Input: {  "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk()4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=", "Type of Operation":"Check State" }	35
Syntax-M-IV61	Detail: Terminal 36 Modification. Input: {  "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=*,  "Type of Operation":"Check State" }	36
Syntax-M-IV62	Detail: Terminal 37 Modification. Input: {     "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	37
Syntax-M-IV63	Detail: Terminal 38 Modification. Input: {     "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND	38
Syntax-M-IV64	Detail: Terminal 39 Modification. Input: {	39

	"Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=", "Type of Operation<:"Check State"	
Syntax-M-IV65	Detail: Terminal 40 Modification. Input: {  "Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=", "Type of Operation":pCheck State" }	40
Syntax-M-IV66	Detail: Terminal 41 Modification. Input: {  "Token Value":"QWxnPUhTMjU2XG4gVHlwPVBEU1xuRGV2PWY0ZDNmYmY0ND	41
Syntax-M-IV67	Detail: Terminal 42 Modification. Input: {  "Token Value":"QWxnPUhTMjU2XG4gVHIwPVBEU1xuRGV2PWY0ZDNmYmY0ND c4ZjJmNTZjNmU2Yzk4M2ZkOTQwYjRjXG4gaWF0PTE4LTAzLTIwM jAgMTc6MjI6MjBcbiBleHA9MTctMDQtMjAyMiAwMDo1NTo0 MDExNTg3YzVmZWY3OGUzYzQ2MDYzOGEzYmNmNjI5YzQ3N 2NmMjk0OGMxYmExZTgzM2U0ZGUxYTJIMjdhZjcwODU=", "Type of Operation":"Check State/ }	42