

OutcomeOptions

Enumerator	Description	Notes
PASS	Pass	
FAIL	Fail	
NOT_APPLICABLE	Not applicable	
UNDETERMINED	Undetermined	

EvaluationTypeOptions

Enumerator	Description	Notes
FULL	Full Evaluation	
APPLICABILITY	Applicability Evaluation	

RulesetCheckingToolSoftwareOutputReport

Name	Description	Data Type	Units	Range	Req	Notes
title	Title of software output report from Ruleset Checking Tool	String				Existing template value shows- RULESET CHECKING TOOL
purpose	Reason for the report	String				Existing template value shows- RCT Ruleset Software Testing Report
tool_name	Name of the ruleset checking tool that produced the data file	String				
tool_version	Versions number of the ruleset checking tool that produced the data file	String				Generally a version number for the software such as 1.0.2

Name	Description	Data Type	Units	Range	Req	Notes
<code>ruleset</code>	References output that correspond to specific simulation model.	<code>String</code>			✓	Existing template value shows- ASHRAE 90.1-2019 Performance Rating Method (Appendix G)
<code>date_run</code>	Time stamp for the output report	<code>Timestamp</code>			✓	This does not seem exactly like a <code>TimeStamp</code> data type but close. Existing template value shows- 2023-03-16T14:45:33-05:00
<code>schema_version</code>	Version of the schema corresponding to the tests.	<code>String</code>			✓	Existing template value shows- 0.0.23
<code>rules_tests</code>	List of rule that is being evaluated	<code>[{RuleTest}]</code>			✓	

RuleTest

Name	Description	Data Type	Units	Range	Req	Notes
<code>rule_id</code>	The identification of the specific rule	<code>String</code>			✓	Existing template value shows- 5-5
<code>test_id</code>	The identification of the test case for the specific rule	<code>String</code>			✓	Existing template value shows- a
<code>test_description</code>	Textual description of the test for the rule	<code>String</code>				Existing template value shows- Description of rule: Building is located in climate zone 4A and includes a space that has residential occupancy type and is conditioned based on heating capacity of the HVAC system that serves the parent zone. The baseline roof U-factor for the space is established correctly.
<code>ruleset_section</code>	Section reference from the ruleset	<code>String</code>				Existing template value shows- Table G3.1(5) Baseline Building Performance (b)
<code>ruleset_section_title</code>	Title of the section referenced from the ruleset	<code>String</code>				Existing template value shows- Envelope
<code>evaluation_type</code>	Indicator if full evaluated rule	<code><EvaluationTypeOptions></code>				
<code>rule_unit_test_outcome_agreement</code>	True if the expected and actual agree	<code>Boolean</code>			✓	Existing template value shows- false

Name	Description	Data Type	Units	Range	Req	Notes
expected_rule_unit_test_evaluation_outcome	Expected outcome	<OutcomeOptions>			✓	Existing template value shows- PASS
actual_rule_unit_test_evaluation_outcome	Expected outcome	<OutcomeOptions>				Existing template value shows- UNDETERMINED
rule_unit_test_evaluations	List of evaluations performed	[{Evaluation}]			✓	Existing template value shows-

Evaluation

Name	Description	Data Type	Units	Range	Req	Notes
data_group_id	The ID of the data group being evaluated	String			✓	The ID of any type of data group. Existing template value shows- Surface 1
messages	List of messages from evaluation	[String]				Existing template value shows- message
evaluation_outcome	Expected outcome	<OutcomeOptions>			✓	Existing template value shows- PASS
calculated_values	a list of calculated values from the evaluation	[{CalculatedValue}]				Used to help understand and debug rule evaluation

CalculatedValue

Name	Description	Data Type	Units	Range	Req	Notes
variable	Variable	String				Existing template value shows- roof_u_factor
value	Value	(Numeric, Boolean, String)				Existing template value shows- 0.063
unit	Units	String				Existing template value shows- Btu/(hrft ² R)
source	The source of the value	String				The source of the value which may be that is a from one or more models, from the ruleset, or an expected value. If from a model the strings should represent the enumeration values for RulesetModelDescription.type in the 229 Ruleset Evaluation Schema. For 90.1 Appendix G would be USER, PROPOSED, BASELINE_0, BASELINE_90, BASELINE_180, BASELINE_270.

