

EvaluationTypeOptions

Enumerator	Description	Notes
FULL	Full Evaluation	
APPLICABILITY	Applicability Evaluation	

OutcomeOptions

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

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 Timestamp 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.

