

# Mapping INCOSE GtWR v4.0 (2023) rules with TRC quality metrics

TACKLED SCORE  
38 YES  
4 NO



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T id	Type	INCOSE Rule	Rule short name	Metric Number	Metric Name	Metric Type	Scope		
T01	Accuracy	R01	Sentence Structure	TRC-M010	Enforce the use of a complete sentence structure	Non-parameterized	2-Domain-specific		
				TRC-M365	Avoid the use of Banned Modal Verbs	Parameterized - Cluster	1-Cross-domain		
				TRC-M030	Avoid the use of Passive Voice	Parameterized - Pattern matching	1-Cross-domain		
		R02	Use Active Voice	TRC-M035	Avoid the use of Passive Voice after the modal verb	Parameterized - Pattern matching	1-Cross-domain		
				TRC-M040	Avoid the use of Passive Voice out of the condition block	Parameterized - Pattern matching	1-Cross-domain		
				TRC-M050	Determine if the subject is a recognized Agent term	Parameterized - Cluster	2-Domain-specific		
				TRC-M055	Detect inappropriate subject at the document level	Parameterized - Sub terms in SCM	2-Domain-specific		
				TRC-M065	Avoid the use of Vague Verbs after Modal Verbs	Parameterized - Pattern matching	1-Cross-domain		
				TRC-M120	Determine if the main verb is a Controlled Action Verb	Parameterized - Pattern matching	2-Domain-specific		
		R03	Subject Verb	TRC-M845	Avoid unspecified subject	Parameterized - Pattern group matching	1-Cross-domain		
				TRC-M225	Avoid Unclassified Terms	Parameterized - Term tag	2-Domain-specific		
				TRC-M630	Enforce the use of Define Terms by avoiding Synonyms	Non-parameterized	2-Domain-specific		
		R04	Use Defined Terms	TRC-M200	Avoid the use of Indefinite Articles	Parameterized - Term tag	1-Cross-domain		
				TRC-M130	Avoid the use of Indefinite Articles in front of an Agent	Parameterized - Pattern matching	1-Cross-domain		
		R05	Use Definite Articles	TRC-M140	Ensure Numbers are followed by Units or noun qualifications	Parameterized - Term tag	1-Cross-domain		
				TRC-M150	Detect inadequate Unit for a Characteristic	Parameterized - Relationships not SCM compliant	1-Cross-domain		
				TRC-M160	Avoid mixing up different measurement systems	Measurement units consistency	1-Cross-domain		
				TRC-M060	Avoid the use of Vague Verbs	Parameterized - Cluster	1-Cross-domain		
				TRC-M170	Avoid the use of Vague Adjectives	Parameterized - Cluster	1-Cross-domain		
				TRC-M180	Avoid the use of Vague Adverbs	Parameterized - Cluster	1-Cross-domain		
		R06	Units	TRC-M950	Avoid the use of Vague Terms	Parameterized - Cluster	1-Cross-domain		
				TRC-M190	Avoid the use of Escape clauses	Parameterized - Special Sentences	1-Cross-domain		
				TRC-M200	Avoid the use of Open-Ended clauses	Parameterized - Special Sentences	1-Cross-domain		
		R07	Avoid Vague Terms	TRC-M210	Avoid the use of Superfluous infinitives	Parameterized - Pattern group matching	1-Cross-domain		
				TRC-M010	Enforce the use of a complete sentence structure	Non-parameterized	2-Domain-specific		
		T02	Concision	R10	Superfluous Infinitives	TRC-M210	Avoid the use of Superfluous infinitives	Parameterized - Pattern group matching	1-Cross-domain
				R11	Separate Clauses	TRC-M010	Enforce the use of a complete sentence structure	Non-parameterized	2-Domain-specific
		T03	Non-ambiguity	R12	Correct Grammar	TRC-M230	Avoid incorrect grammar structures	Parameterized - Pattern group matching	1-Cross-domain
						TRC-M240	Avoid Incorrect spelling	Non-parameterized	1-Cross-domain
TRC-M250	Facilitate readability					Non-parameterized	1-Cross-domain		
R13	Correct Spelling			TRC-M260	Review incorrect punctuation	Non-parameterized	1-Cross-domain		
				TRC-M270	Set a convention for logical expression forms	Parameterized - Cluster	1-Cross-domain		
R14	Correct Punctuation			TRC-M350	Avoid the use of Combinators out of the condition block	Parameterized - Cluster	1-Cross-domain		
				TRC-M280	Avoid the use of Not and other negative expressions	Parameterized - Cluster	1-Cross-domain		
				TRC-M285	Avoid the use of Negative Expressions out of the condition block	Parameterized - Cluster	1-Cross-domain		
R15	Logical Condition			TRC-M300	Avoid the use of oblique Symbol "/"	Parameterized - Term tag	1-Cross-domain		
				TRC-M320	Check the text length by counting paragraphs	Non-parameterized	1-Cross-domain		
T04	Singularity	R18	Single Sentence	TRC-M330	Check the text length by counting words	Non-parameterized	1-Cross-domain		
				TRC-M340	Control the number of Action Verbs out of the condition block	Parameterized - Pattern matching	1-Cross-domain		
				TRC-M360	Check the number of Modal Verbs	Parameterized - Term tag	1-Cross-domain		
		R19	Avoid Combinators	TRC-M350	Avoid the use of Combinators out of the condition block	Parameterized - Cluster	1-Cross-domain		
				TRC-M370	Multiple subject detection	Parameterized - Pattern matching	1-Cross-domain		
				TRC-M375	Multiple verbs detection	Parameterized - Pattern matching	1-Cross-domain		
				TRC-M380	Avoid phrases that indicate the purpose	Parameterized - Special Sentences	1-Cross-domain		
		R20	Avoid Purpose	TRC-M390	Avoid the use of Parentheses out of the condition block	Parameterized - Cluster	1-Cross-domain		
				TRC-M070	Avoid the use of Pronouns to refer to nouns	Parameterized - Term tag	1-Cross-domain		
		R21	Avoid Parentheses	TRC-M010	Enforce the use of a complete sentence structure	Non-parameterized	2-Domain-specific		
				TRC-M070	Avoid the use of Pronouns to refer to nouns	Parameterized - Term tag	1-Cross-domain		
T05	Completeness	R24	Avoid Pronouns	TRC-M070	Avoid the use of Pronouns to refer to nouns	Parameterized - Term tag	1-Cross-domain		
		R25	Use Of Headings	TRC-M010	Enforce the use of a complete sentence structure	Non-parameterized	2-Domain-specific		
T06	Reason	R26	Avoid Absolutes	TRC-M430	Avoid unachievable Absolutes expressions impossible to verify	Parameterized - Cluster	1-Cross-domain		
				TRC-M525	Ensure tolerance value are within an adequate value range	Parameterized - Custom-code	1-Cross-domain		
T07	Conditions	R27	Explicit	TRC-M360	Check the number of Modal Verbs	Parameterized - Term tag	1-Cross-domain		
				TRC-M450	Avoid lists of actions after a condition sentence 2	Parameterized - Pattern matching	1-Cross-domain		
		R28	Explicit Lists	TRC-M455	Avoid lists of conditions after an action	Parameterized - Pattern matching	1-Cross-domain		
T08	Uniqueness	R29	Classify	TRC-M460	Enforce attribute type is not empty	Parameterized - Attribute	1-Cross-domain		
		R30	Express Once	TRC-M480	Avoid overlapping among the requirements	Overlapping consistency metric	1-Cross-domain		
T09	Abstraction	R31	Solutionfree	TRC-M490	Avoid stating a solution	Parameterized - Cluster	1-Cross-domain		
				TRC-M500	Avoid the use of Flow sentences	Parameterized - Cluster	1-Cross-domain		
T10	Quantifiers	R32	Universals	TRC-M510	Avoid the use of Ambiguous Universal Keywords	Parameterized - Cluster	1-Cross-domain		
T11	Tolerance	R33	Value Range	TRC-M520	Force to include tolerance value for the units that required tolerance	Parameterized - Pattern group and pattern matching	1-Cross-domain		
				TRC-M525	Ensure tolerance value are within an adequate value range	Parameterized - Custom-code	1-Cross-domain		
				TRC-M530	Confirms the value for a property is within a controlled range	Properties consistency metric	2-Domain-specific		
T12	Quantification	R34	Measurable	TRC-M540	Avoid the use of Imprecise Quantifiers	Parameterized - Cluster	1-Cross-domain		
				TRC-M545	Avoid the usage of Imprecise Quantifiers applied to a property	Parameterized - Pattern matching	1-Cross-domain		
				TRC-M850	Unbounded Measurements	Parameterized - Pattern group matching	1-Cross-domain		
		R35	Temporal Indefinite	TRC-M560	Avoid the use of Temporal Indefinite keywords out of the condition block	Parameterized - Cluster	1-Cross-domain		
		T13	Uniformity of Language	R36	Use Consistent Terms	TRC-M630	Enforce the use of Define Terms by avoiding Synonyms	Non-parameterized	2-Domain-specific
R37	Define Acronyms			TRC-M580	Avoid the use of unknown acronyms	Non-parameterized	2-Domain-specific		
R38	Avoid Abbreviations			TRC-M590	Avoid the use of unknown abbreviations	Non-parameterized	2-Domain-specific		
R39	Style Guide			TRC-M010	Enforce the use of a complete sentence structure	Non-parameterized	2-Domain-specific		
R40	Decimal Format			TRC-M080	Use decimal comma to represent decimal numbers	Parameterized - Custom-code	1-Cross-domain		
				TRC-M085	Use decimal point to represent decimal numbers	Parameterized - Custom-code	1-Cross-domain		
TRC-M090	Invalid decimal value -1<=x<1	Parameterized - Custom-code	1-Cross-domain						