

Requirements for the MTG structure

Item	definition	Example
Concept	Knowledge unit, that encompasses the meaning of a preferred term and its synonyms across all languages in the thesaurus	
Preferred term	One preferred term in a given language, it will be selected from synonyms and recommended to use	
term	An entry, which is an instance of a preferred term or a synonym in one language	
Facets	Guiding principle for categorizing terms to aid user to select terms	Discipline, usage, objects/processes.
Category	Named group of terms, organized according to a specific principle or discipline for management purposes	Minerals, Methods, Realms, ect.
Relationship	Defined connections between concepts (symmetrical or asymmetrical) ISO Standard	Broader Term Narrower Term etc.
Poly-hierarchy	Term can have more than one parent in a given hierarchical relationship	
Synonyms	Terms whose meanings are considered to be the same in wide range of context (ISO Standard)	
Source language	Language of the country from where a term was first put to the dictionary.	
Language	Language of country/nation from where the term comes from	German. Finnish
Author	Person who introduced term	
Definitions*	Reference(s)* or hyperlink to an external definition in a given language.	
References	References to literature, sources, standards etc.	
Compound terms	A combined term representing a concept	
Descriptive Qualifier	Descriptive part of a compound term, narrowing the meaning of the main term.	Old , black, sandy,
Quantitative Parameter		2x Age in Mio years Hardness
Grammatical forms	Various forms of the same word or term in a given language, differing because of grammatical reasons, for example having different endings.	Deposit, deposits
Scope notes	Additional comments clarifying the meaning of a preferred term	
Comments	For internal purposes	
Singular / Plural		
Derivative qualifier for retrieval	Adjective forms which facilitate searching in non indexed documents	Dolomitic limestone

Equivalent terms	Terms, equivalent in a narrow context	Equivalent stratigraphic units
Status flag	Describing the status (lapsed, abandoned) of the preferred term	
Abandoned terms	Terms, which have been used in the past, but now are regarded as incorrect.	Gotlandian, Alluvium.
Lapsed terms	Terms should no longer be used.	
External Classifications	Classification systems from outside the MTG group, regarding as national or international standards.	BGS Rock Classification Scheme
Period of validity	Only valid between given dates	Yugoslavia, changing classification
Abbreviation		Dgt = Givetian
Ordered list	Collection of terms, which have an sequential relationship to each other	Grainsize for detrital rocks, Scale of hardness
Formal / Informal /unknown status		Formal: Jurassic informal: PreCambrian, Tertiary
Homonyms	Words of the same spelling, but different meanings.	Pipe, Dike, Core, chimney, Gypsum, Dolomite
Distinguishing Qualifier	An additional defining term also known as “Gloss” associated with homonyms, and distinguishing between them, making them unique, typically separated by punctuating.	Dolomite(rock) Dolomite(mineral)