Describing Coverages Using ISO 19115-2

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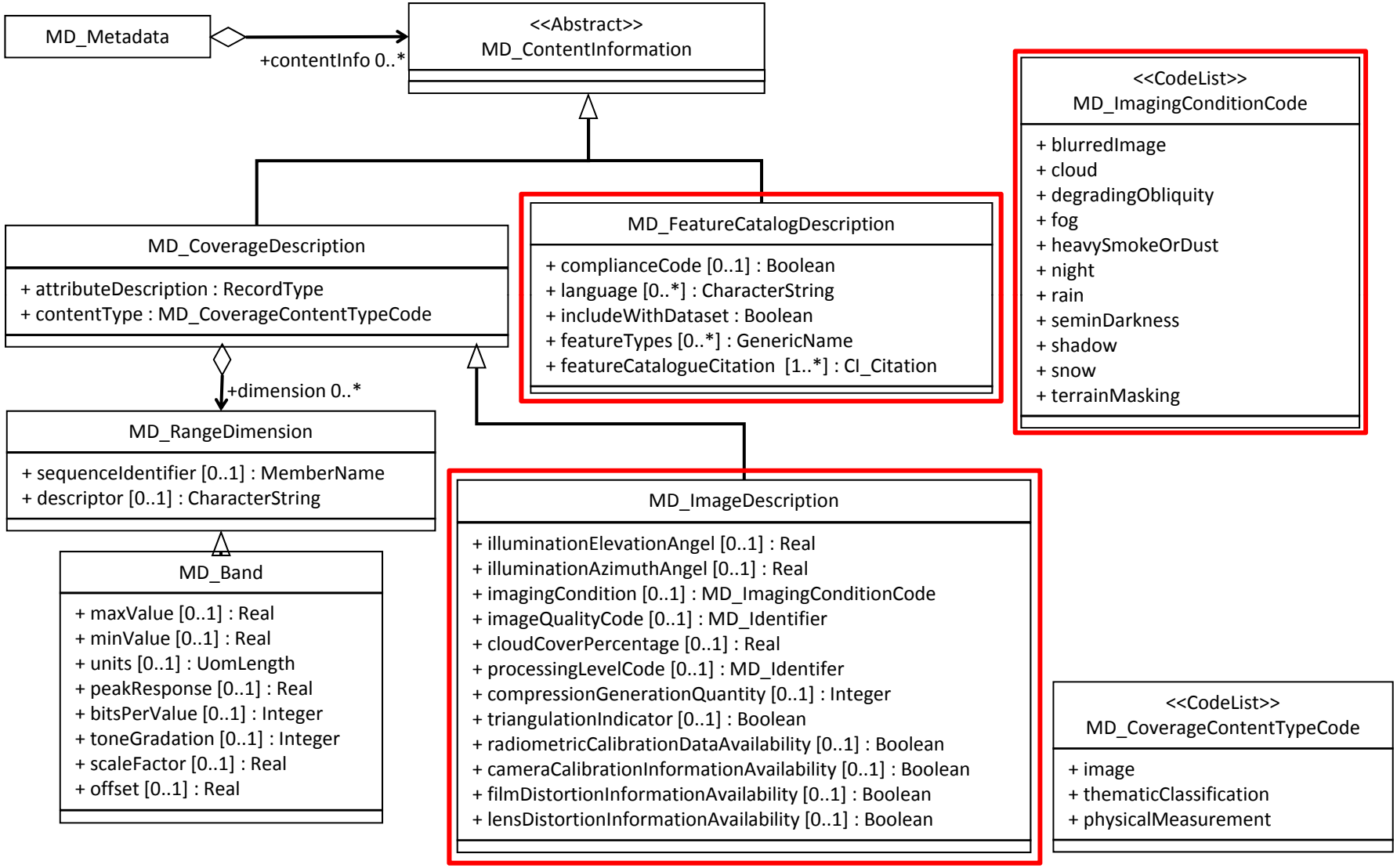
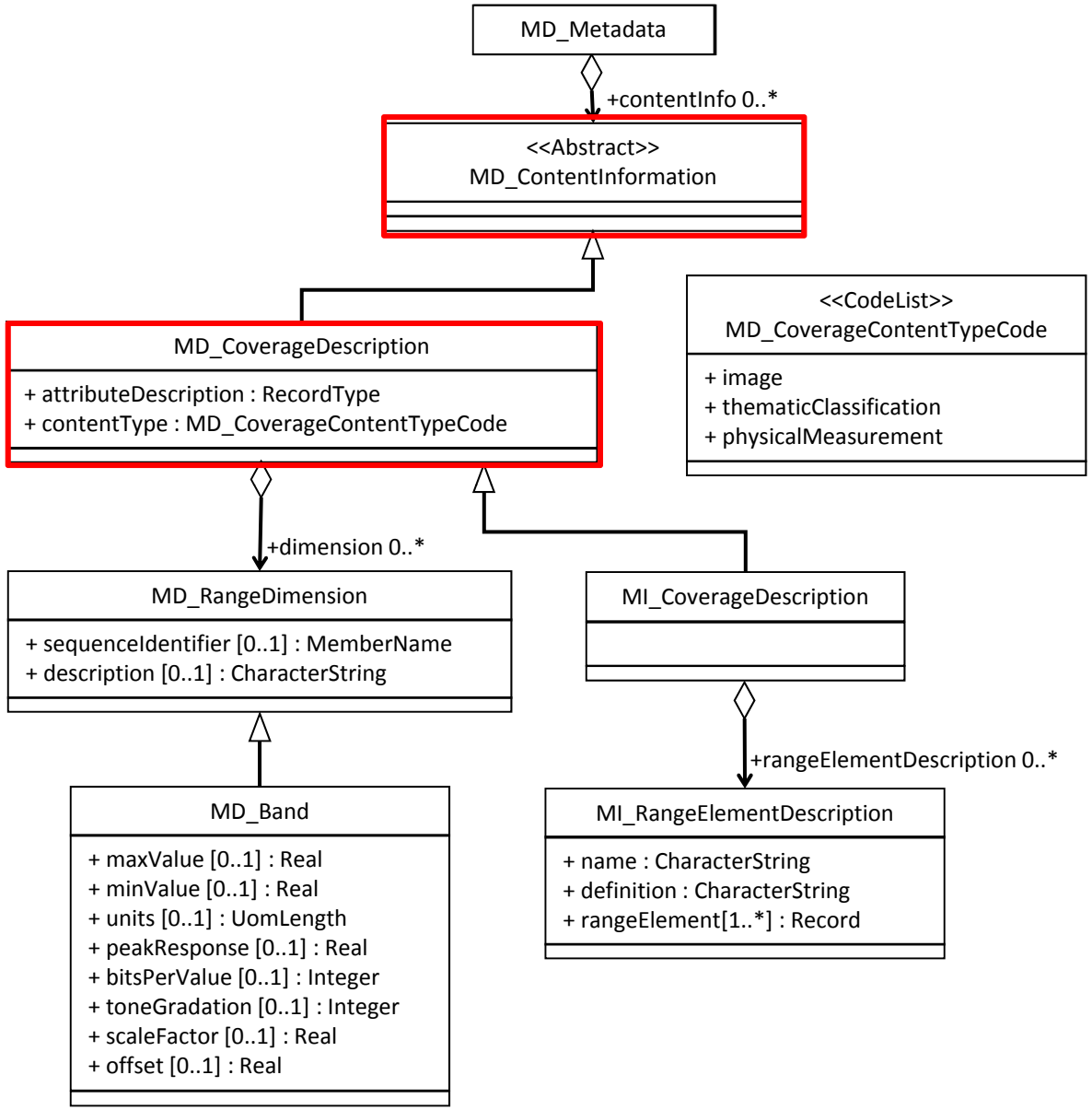
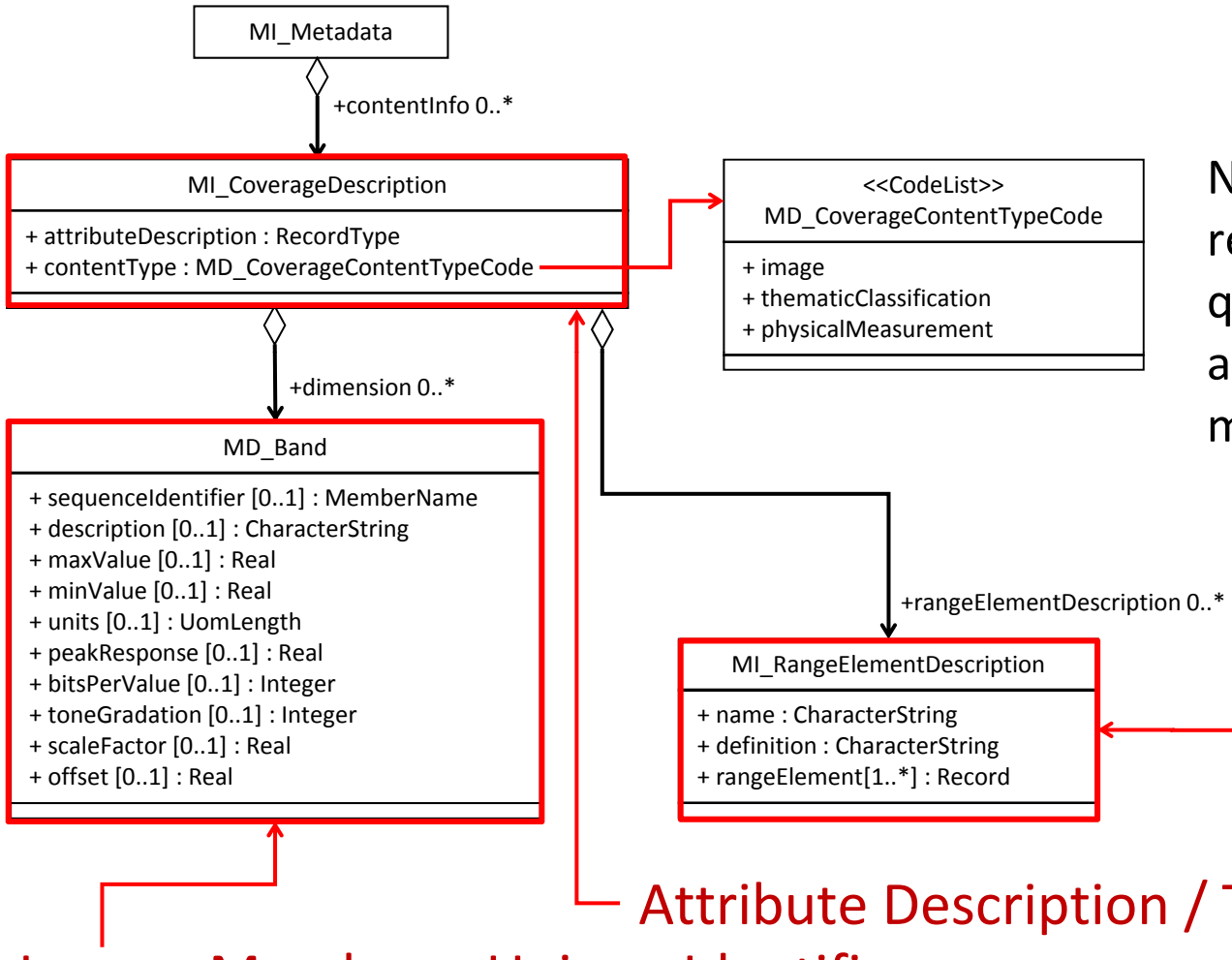
MD_ContentInformation





MI_ContentInformation 19115-2 (Grid Coverages)

MI_CoverageDescriptions



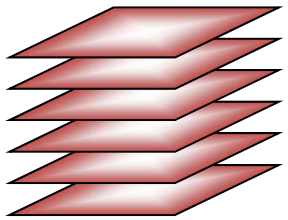
New Types:
referenceInformation
qualityInformation
auxilliaryData
modelResult

Flags

Attribute Description / Type

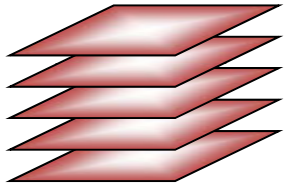
Layers, Member = Unique Identifier

Simple multi-layered dataset (SST50)



Physical Measurements:

Analysis Temperature (sea_surface_temperature)	contentInfo 1
Gradient X+, X-, Y+, Y-, Average	
Ice Field	

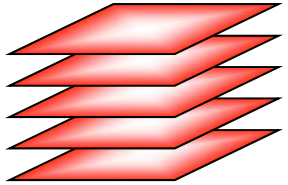


Auxilliary Data:

Physiographic Desc. (land_binary_mask)	contentInfo 2
Spatial Covariance X+, X-, Y+, Y-	contentInfo3

Quality Reports:

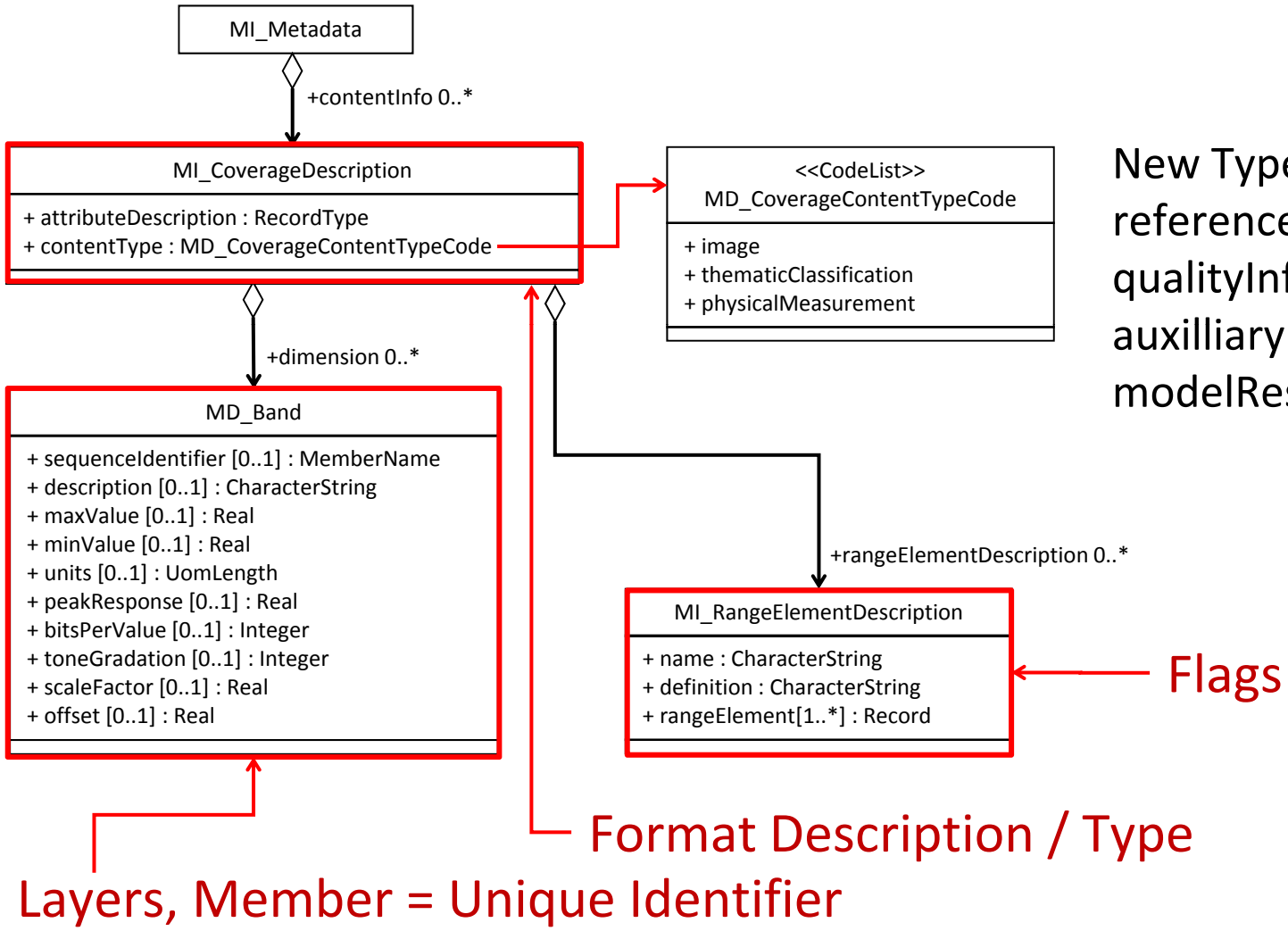
Lineage / Processing	dataQuality 1
Processing Parameters 1	dataQuality 2
Processing Parameters 2	dataQuality 3
Mission History	dataQuality 4



Quality Information:

Age Of Most Recent Observation	dataQuality 5
Number of Observations	dataQuality 6
Class 1 Coverage	dataQuality 7
Reliability	dataQuality 8

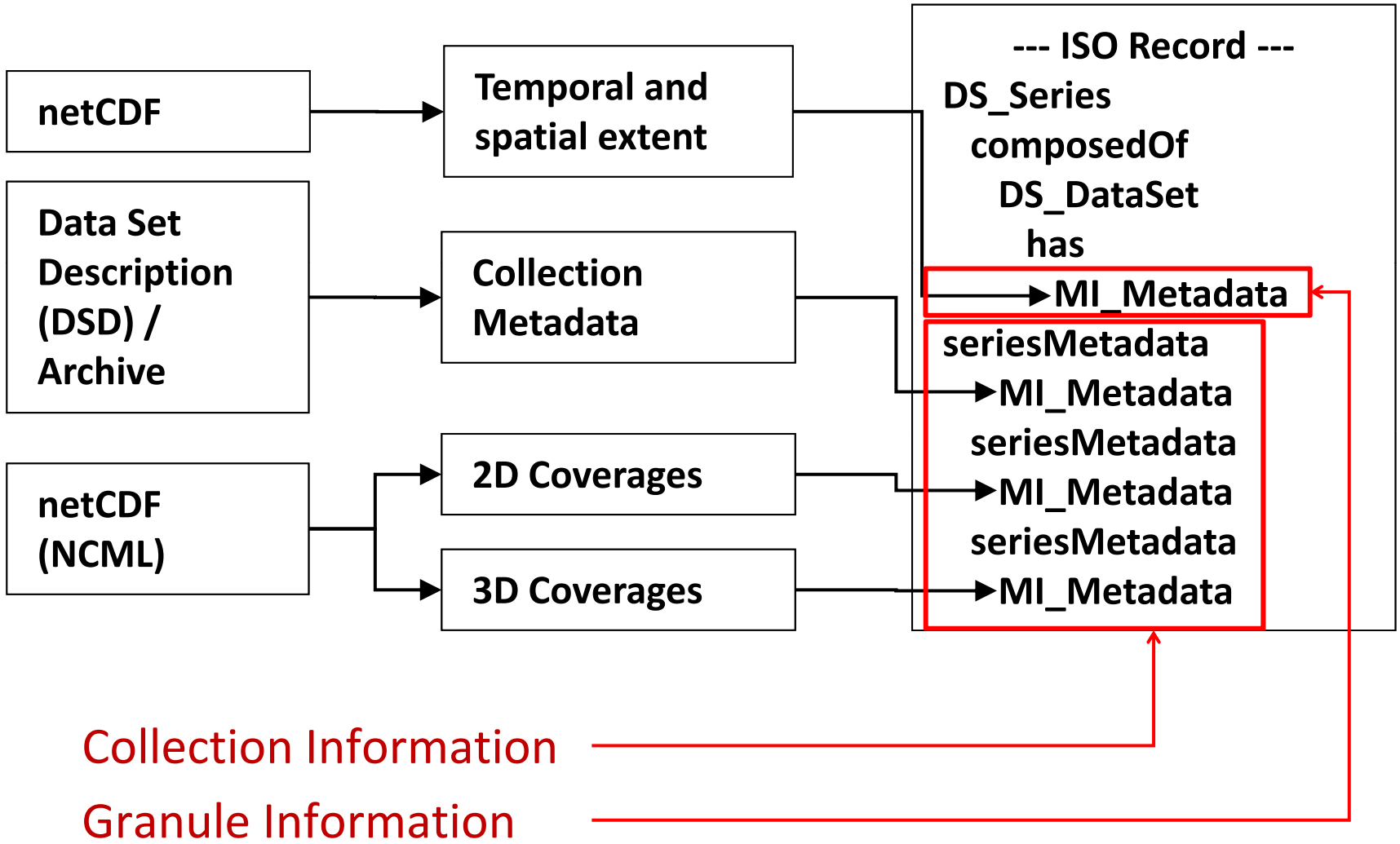
How Many ContentInfo Objects?



New Types:
referenceInformation
qualityInformation
auxilliaryData
modelResult

Minimum: one for each set of flags + one for each quality coverage

Combining Collection and Granule Information



Questions

1. How to handle variables with names and standard CF-Names.
2. The rangeElementDescription/rangeElement has a Record type. Is this because it can actually be any type?
3. Need ids in NcML and ddx descriptions.