# Data Model Analysis

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* In GDFR encodings and compressions are formats. They are separate entities in PRONOM. This is because in GDFR “format” is defined more broadly:
  + "Format" is defined expansively, and is intended to apply to format families (general classes of related file formats), file formats (formats most usefully considered as being instantiatable in independent files), encodings (formats most usefully considered as being instantiatable as bit stream components of an encompassing file), or serialization algorithms. The distinction between these various conceptual variants is indicated by the Classification property.
* Some of the entities that exist in GDFR but not in PRONOM are media, grammar and assessment. There is a reference to media from the PRONOM software entity but the meaning is different.
* An entity that exists in PRONOM but not in GDFR is migration pathways.
* In the GDFR many of the records have verification metadata that was going to be used to support an editorial process.
  + The verification metadata is in place for: formats, software, processes, hardware, media, agents, documents, files, IPR, grammar, and assessments
  + The verification metadata includes record status, the agent that verified the record, and the date it was verified.