

Table 4

Mapping of Metadata Entities and Attributes to MARC Data Elements

Purpose

The tables that follow map the logical attributes and relationships of the “metadata” entities (*record*, *segment*, *field*, and *data element*) defined in the extended model to data elements contained in the MARC format. The mapping is part of a functional analysis of the MARC format that is intended to serve as a means of establishing a frame of reference for future development of the format. More specifically, the analysis in this segment is intended to facilitate a review of data in the MARC record that is designed to support data management, as distinct from simple information exchange.

Scope

The tables list the entities, attributes, and relationships defined in the extended model and the corresponding data elements defined in the MARC bibliographic and holdings formats. Under each entity, attributes pertaining to the entity that is the primary entity (i.e., the record itself, or the field itself) are listed first, followed by relationships to other entities of the same type and attributes of those related entities.

Symbols

⇒ An arrow indicates that the MARC data element pertains to an attribute of a related entity, not the primary entity, or to a relationship between the primary entity and a related entity.

Terminology

The names of MARC data elements are taken directly from the format documentation. In some cases they have been abbreviated or shortened to fit within the layout of the table.

The names of entities, attributes, and relationships are taken directly from the extended model developed for this project. In some cases they have been abbreviated or shortened to fit within the layout of the table.