

Definition of the CRM**ntp**

An Extension of CIDOC CRM to support negative statements

Proposal for approval by CIDOC CRM-SIG

Version ?

Date ?

Currently Maintained by UAL and Paveprime

Contributors: Martin Doerr, Carlo Meghini, Stephen Stead, Athanasios Velios and others.

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# Introduction

This document describes work which uses and extends the CIDOC Conceptual Reference Model (CRM, ISO21127). The CIDOC-CRM definition document should be read before this document. References to the CRM in this document are taken from CRM version 7.1.1 maintained by CIDOC.

# Scope

This extension has been developed after analysis of registration and survey forms primarily for use in conservation documentation. While the initiative for its development started within a conservation documentation context, the principles considered apply to other contexts. The extension provides properties which allow making statements in the following cases:

a) When recording instances is not possible but recording the types of those instances is. This could be the case when there are no resources or interest to record numerous instances of the same type. For example, it is often not possible to record every page marker of a historic book with many page markers, but it may be possible to record their types.

b) When recording non-existence. This could be the case when a comprehensive observation of a situation confirms that there is no instance of a specific type. For example, when recording historic books, one may be able to confirm that there are no page markers on it after examining all leaves.

The use of these properties allows identification of contradictory information within a knowledge base on the existence and non-existence of instances.

# Status

The CIDOC-CRM SIG has approved the development of the extension. This is the current version of the development as proposed by the maintainers to be considered by the SIG.

# CRMntp property hierarchy, aligned with portions from the CIDOC CRM property hierarchies

This property hierarchy lists:

* all properties declared in <Current Family model>,
* all properties declared in <Other Family model/s>[[1]](#footnote-2), and CIDOC CRM that are declared as superproperties of properties declared in <Current Family model>,
* all properties declared in <Other Family model/s> and CIDOC CRM that are part of a complete path of which a property declared in <Current Family model>, is declared to be a shortcut.

<table>

List of external properties used in <Current Family model>

|  |  |  |  |
| --- | --- | --- | --- |
| Property identifier | Property name | Model | Version |
| P9 | consists of (forms part of) | CRM base | 6.2 |
|  |  |  |  |

# CRMntp Property Declarations

# Amendments

1. It should be clearly mentioned the versions of other models. For example:

   CRM <family model name> ver. XX [↑](#footnote-ref-2)