REQUIREMENTS AND RECOMMENDATIONS FOR QUERIES ON CROSSREF

Version 1.0
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1. Introduction

mEDRA Query Request Message format is defined in mEDRA Query Request Message 1.0 schema (namespace *http://www.medra.org/query*).

This document provides the list of additional requirements and recommendations – not expressed in mEDRA Query Request Message 1.0 schema - that mEDRA Query Request Messages must comply with.

Compliance with CrossRef Requirements is necessary for an optimal use of the query service.

Compliance with CrossRef Recommendations is recommended in order to optimise the search of the DOIs and citations within the CrossRef system.

2. Requirements for Query Request

This chapter provides the list of requirements - not expressed in mEDRA Query Request Message 1.0 schema – that an xml query in mEDRA Query Request Message format must comply with so that it can be properly sent to CrossRef.

2.1. From Email

It applies to: QueryRequestMessage
Element: <FromEmail>
Requirements: the e-mail entered in the child element <FromEmail> of the <Header> element must be syntactically correct.

2.2. Message Reference Number

It applies to: QueryRequestMessage
Element: <MessageReferenceNumber>
Requirements: the value length of the child element <MessageReferenceNumber> of the <Header> element must be between 4 and 100 characters.

2.3. The ISSN of a Query

It applies to: QueryRequestMessage
Element: <ISSN>
Requirements: The value of the <ISSN> element, if available, must comply with the ISSN syntax (4 digits + hyphen (optional) + 3 digits + 1 digit or the X character).

2.4. The ISSN of a Query

It applies to: QueryRequestMessage
Element: <Query>
Requirements: if the forward-match attribute of a <Query> element has value "true", each <Query> element must be assigned with a unique key attribute within the xml document.

2.5. The Journal Issue Date of a Query

It applies to: QueryRequestMessage
Element: <JournalIssueDate>
Requirements: the value of the <JournalIssueDate> element must be a year in YYYY format.

2.6. Query

It applies to: QueryRequestMessage
Element: <Query>
Requirements: a Query group must contain:
- either one <DOI> element (*DOI Query* to obtain the metadata associated with a DOI);
- or one <UnstructuredCitation> element (free text with the description of a citation to obtain the DOI to which it refers to);
- or at least one element among the <JournalTitle>, <JournalVolumeNumber>, <JournalIssueNumber>, <JournalIssueDate> and <ArticleTitle> elements and none of the <BookTitle>, <ISBN>, <EditionNumber>, <PublicationDate>, <ComponentNumber>, <TitleOfSeries> and <NumberWithinSeries> elements (*Metadata Query* to obtain the DOI associated with an article);
- or at least one element among the <BookTitle>, <ISBN>, <EditionNumber>, <PublicationDate>, <ComponentNumber>, <TitleOfSeries> and <NumberWithinSeries> elements and none of the <JournalTitle>, <JournalVolumeNumber>, <JournalIssueNumber>, <JournalIssueDate> and <ArticleTitle> (*Metadata query* to obtain the DOI associated with a monograph).

2.7. The Journal Title and ISSN of a Query

It applies to: QueryRequestMessage
Element: <JournalTitle> and <ISSN>
Requirements: the value of the match attribute of the <JournalTitle> and <ISSN> elements must be the same.

2.8. The Author Name and First Page Number of a Query

It applies to: QueryRequestMessage
Element: <AuthorName> and <FirstPageNumber>
Requirements: a *Metadata Query* for an article or a monograph must contain at least one element among the <AuthorName> and <FirstPageNumber> elements.

2.9. The Journal Title and First Page Number of a Query

It applies to: QueryRequestMessage
Element: <JournalTitle> and <ISSN>
Requirements: a *Metadata Query* of an article must contain at least one element among the <JournalTitle> and <ISSN> elements.