THE APPLICATION OF THE MARC 583 ‘ACTION NOTE’ IN AUSTRIA AND GERMANY

Silke Sewing
Carrying owls to Athens

(Carrying coals to Newcastle)

Photo: Marie-Lan Nguyen, Wikimedia Commons, CC BY 2.5
Preservation & Digitization Actions: Terminology for the MARC 21 Field 583
(PDA: Terminology)

created as a joint effort of RLG, ARL, and the Library of Congress

- defines standardized terminology for preservation and digitization actions
- allows institutions to record actions or planned/dropped actions in a cooperative environment
- saves resources
MARC 583 ‘ACTION NOTE’ – DOCUMENTATION OF ACTIONS TAKEN AND PLANNED

- archiving of physical objects
- long-term preservation of digital objects
- digitization
- mass deacidification
- microfilming
- actions in the field of restoration
- …
Before

- heterogeneous data situation

Photo: Mundaneum, Public domain, via Wikimedia Commons
The goal is a documentation with these characteristics:

- publicly available
- sustainable
- researchable
marking with Marc 583 is to take place nationwide in all German and Austrian network systems

- Among the tasks of the Cooperative network applications working group (AG KVA) are:
  - to agree on common standards for data communication
  - to coordinate the uniform application of library regulations and standards for cooperative cataloguing, lending and data exchange
<table>
<thead>
<tr>
<th>$a$</th>
<th>$a$</th>
<th>$a$</th>
</tr>
</thead>
<tbody>
<tr>
<td>committed to retain</td>
<td>will be retained</td>
<td>will not conserve</td>
</tr>
<tr>
<td>digitized</td>
<td>will digitize</td>
<td>will not digitize</td>
</tr>
<tr>
<td>mass deacidified</td>
<td>will mass deacidify</td>
<td>will not mass deacidify</td>
</tr>
<tr>
<td>microfilmed</td>
<td>will microfilm</td>
<td>will not microfilm</td>
</tr>
</tbody>
</table>
List of German Terminology for MARC 583 “Action Note” $a “Action”

Below you find a compendium of German preservation and digitization actions terms for MARC 583¹. The list also comprises a concordance between these terms and the source vocabulary “Preservation & Digitization Actions (pda)” - which was used as the basis for the development of this German list - and includes the codes which can be used in internal formats in Germany, Austria and German-speaking Switzerland.

<table>
<thead>
<tr>
<th>MARC 583 – German terms</th>
<th>Code for usage in internal formats</th>
<th>MARC 583 Action Note – Preservation &amp; Digitization Actions terms</th>
</tr>
</thead>
<tbody>
<tr>
<td>The term &quot;Archivierung&quot; (archiving) means the preservation of physical publications. The term &quot;Langzeitarchivierung&quot; means the long-term preservation of electronical resources online or on data carrier.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Archivierung/Langzeitarchivierung gewährleistet</td>
<td>aa</td>
<td>[committed to retain]²</td>
</tr>
<tr>
<td>Archivierung/Langzeitarchivierung geplant</td>
<td>ab</td>
<td>[will retain]³</td>
</tr>
<tr>
<td>Archivierung/Langzeitarchivierung nicht möglich</td>
<td>ac</td>
<td>[will not retain]</td>
</tr>
</tbody>
</table>
• in 2019 the common application of MARC 583 was introduced in Germany and Austria
• as initiatives of
  Shared Archiving Austria and the Speicherverbund Nord (A Regional Print Archiving Cooperative in Northern Germany)

• the MARC 583 field has been implemented in every union catalogue in Germany and Austria
  - Austrian Union Catalogue (OBV)
  - K10Plus (GBV + SWB) / BVB / KOBV, hbz, hebis
  - German Union Catalogue of Serials (ZDB)
# MARC 583 ‘ACTION NOTE’

<table>
<thead>
<tr>
<th>MARC21 583 1#</th>
<th>CONTENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>$3</td>
<td>Materials Specified – Parts / Copies of an Item</td>
</tr>
<tr>
<td>$a</td>
<td>Action Term</td>
</tr>
<tr>
<td>$c</td>
<td>(Planned) Date of Action</td>
</tr>
<tr>
<td>$f</td>
<td>Authorization - Context</td>
</tr>
<tr>
<td>$h</td>
<td>Jurisdiction - Legal Basis</td>
</tr>
<tr>
<td>$i</td>
<td>Method of Action</td>
</tr>
<tr>
<td>$k</td>
<td>Action Agent</td>
</tr>
<tr>
<td>$l</td>
<td>Status (of Damage)</td>
</tr>
<tr>
<td>$z</td>
<td>Note</td>
</tr>
<tr>
<td>$2</td>
<td>pdager</td>
</tr>
<tr>
<td>$5</td>
<td>Institution – ISIL of the Inventory Library</td>
</tr>
</tbody>
</table>
Examples

- application of cooperative workflows in the ZDB
- regional and national projects
MARC 583 ‘ACTION NOTE’ – GERMAN UNION CATALOGUE OF SERIALS (ZDB)

- German Union Catalogue of Serials (ZDB)
- ZDB covers serial titles, newspapers, databases, yearbooks etc.
- everything that was and is being published periodically in printed or electronic form
- and is available in 4,000 Austrian and German information facilities/institutions
- on the European level access to digitized newspapers will be constantly expanded
ARCHIVING

Photo: Blick in das Hauptmagazin im Gebäude Unter den Linden (Foto: J.F. Müller)
the introduction of Field 583 in the German-speaking countries was initiated in the Speicherverbund Nord

a regional cooperation to jointly archive multiple printed journal stocks in Northern Germany
the Hamburg State and University Library (ISIL = DE-18) announces that it is planning permanent archiving of volumes 5.2003 - 11.2009 of a printed journal in the Speicherverbund Nord (ISIL = DE-636) as of January 1, 2018

(1) 583 1 $3 5.2003-11.2009 $a will be retained $c 20180101 $f DE-636 $5 DE-18


MARC 583 ‘ACTION NOTE‘ – COMMITTED TO RETAIN - SHARED ARCHIVING AUSTRIA

583 1 $3 3.Ser. 47.1993-84.2011 $a committed to retain $f VA-APS $h AT-SAA $u https://ubifo.at/products $5 AT-UBW-071

$f VA-APS = contract structure
$h AT-SAA = jurisdiction/legal basis (ISIL, i.e. Shared Archiving Austria)
$u https://ubifo.at/products = link to products in the framework of Shared Archiving Austria contracts
$5 AT-UBW-071 = holdings at … (ISIL, i.e. University Library of Vienna)
the Working Group of Regional Libraries of the German Library Association decided in 2019

- libraries should mark their legal deposit copies
- in all German union catalogues
- MARC 583 $f
- “PE..“ = Legal deposit (Pflichtexemplar)
- “PEBY“ = Legal deposit in Bavaria

<table>
<thead>
<tr>
<th>ISO-Code</th>
<th>State-in-Germany</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEBW</td>
<td>Baden-Württemberg</td>
</tr>
<tr>
<td>PEBY</td>
<td>Bayern</td>
</tr>
<tr>
<td>PEBE</td>
<td>Berlin</td>
</tr>
<tr>
<td>PEBB</td>
<td>Brandenburg</td>
</tr>
<tr>
<td>PEHB</td>
<td>Bremen</td>
</tr>
<tr>
<td>PEHH</td>
<td>Hamburg</td>
</tr>
<tr>
<td>PEHE</td>
<td>Hessen</td>
</tr>
<tr>
<td>PEMV</td>
<td>Mecklenburg-Vorpommern</td>
</tr>
<tr>
<td>PENI</td>
<td>Niedersachsen</td>
</tr>
<tr>
<td>PENW</td>
<td>Nordrhein-Westfalen</td>
</tr>
<tr>
<td>PERP</td>
<td>Rheinland-Pfalz</td>
</tr>
<tr>
<td>PESL</td>
<td>Saarland</td>
</tr>
<tr>
<td>PESN</td>
<td>Sachsen</td>
</tr>
<tr>
<td>PEST</td>
<td>Sachsen-Anhalt</td>
</tr>
<tr>
<td>PESH</td>
<td>Schleswig-Holstein</td>
</tr>
<tr>
<td>PETH</td>
<td>Thüringen</td>
</tr>
</tbody>
</table>
usage of “committed to retain“ also for the long-term preservation of digital objects

not included in PDA: Terminology

=> the difference between the preservation of digital and printed material is only visible in the title entry itself "online resource", e.g. in the MARC leader
MASS DEACIDIFICATION

Photo: © A. Steinhauer / UB Kiel
KEK - Coordination Office for the Preservation of Written Cultural Heritage

- located at the Berlin State Library
- promoted the development of the introduction of the MARC 533 field into all union catalogues
- gives fundings to libraries to mass deacidify their endangered stocks
- instructs the libraries on how to enter the MARC 583 information
<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Method</th>
<th>Providers 18.03.2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mg3/MBG</td>
<td>Magnesium dibutoxytriethylene glycoate/Magnesium butyl glycoate</td>
<td>FMC</td>
</tr>
<tr>
<td>METE</td>
<td>Magnesium ethoxide &amp; titanium ethoxide</td>
<td>Battelle (ZFB:1), Papersave, Nitrochemie</td>
</tr>
<tr>
<td>MgO</td>
<td>Magnesium oxide</td>
<td>Bookkeeper, ZFB:2</td>
</tr>
<tr>
<td>MgPC</td>
<td>Carbonated magnesium di-n-propylate</td>
<td>PAL</td>
</tr>
<tr>
<td>MMMC</td>
<td>Methoxy magnesium methylcarbonate</td>
<td>-</td>
</tr>
</tbody>
</table>
MARC 583 ‘ACTION NOTE’ – VD18 - Inventory of prints published in the German-speaking area from the 18th century
VD18 - Inventory of prints published in the German-speaking area from the 18th century

- ZDB: entry for periodicals
- cooperative digitization

- initially, journal titles were allocated to participating libraries
  - according to the holdings

- enriched on the bibliographic level
  - $3 volumes
  - $a will digitize
  - $f VD18
  - $5 ISIL of the holding library
MARC 583 ‘ACTION NOTE’ – VD18 DIGITIZATION

a library assigns the digitization of a gap in its own inventory to another library

[…]

the Saxon State and University Library begins to digitize and identifies a gap. The library (ISIL = DE-14) explicitly documents that volumes 3.1762-4.1763 are not available or are not being digitized.

(3) 583 1 $3 3.1762-4.1763 $a will not digitize $c 20160703 $f VD18 $5 DE-14

the Saxon State and University Library Dresden, as the first processing library, has determined that another VD18 institution, the Halle University Library (ISIL = DE-3) has additional inventory and assigns the identified gap to this

(4) 583 1 $3 3.1762-4.1763 $a will digitize $c 20160703 $f VD18 $5 DE-3
CONCLUSION
Introduction of MARC 583 in Austria and Germany

- pre-condition and result is the cooperation between libraries

- versatility of the format allows different flexible workflow models represented in MARC 583
a library can

- access the information on preservation and archiving in other institutions
- take the information about other libraries into account in their inventory management

<table>
<thead>
<tr>
<th>Level</th>
<th>Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supraregional level</td>
<td>VD18</td>
</tr>
<tr>
<td>National level</td>
<td>legal deposit titles in Germany, Shared Archiving Austria</td>
</tr>
<tr>
<td>Regional level</td>
<td>Speicherverbund Nord, bwLastCopies, Newspaper Web Portal, North-Rhine Westfalia</td>
</tr>
<tr>
<td>Project level</td>
<td>newspaper digitization projects</td>
</tr>
</tbody>
</table>
Thank you very much for your attention!

www.zeitschriftendatenbank.de
Statistics
### MARC 583 'ACTION NOTE' – STATISTICS – ACTIONS TAKEN – TITLE SECTION

- **$a**
  - committed to retain/archiving – 122,096
  - digitized – 2,488
  - mass deacidified – 4,268
  - microfilmed - 2

- committed to retain - mostly refers to legal deposit libraries
- migration support of field information from MARC 583 from library catalogues into the ZDB
- since 2019, there are more digitized titles in the ZDB
MARC 583 ‘ACTION NOTE’ – STATISTICS – PLANNED ACTIONS – TITLE SECTION

- $a$
  - will be retained/archived - 5,971
  - will digitize - 6,366
  - will mass deacidify - 4
  - will microfilm - 0
a journal is assigned to the Saxon State and University Library Dresden (ISIL = DE-14) for digitization as part of VD18 and this note is noted in the ZDB when the print edition is included:

(1) 583 1 $31.1760-11.1770 $a will digitize $c 2015 $f VD18 $5DE-14 $2 pdager

the Saxon State and University Library Dresden digitized its inventory section on July 3, 2016
(2) 583 1 $3 1.1760-2.1761;5.1764-11.1770 $a digitized $c 20160703 $f VD18 $5 DE-14
However, the documentation of the implementation of the digitization will not be deleted. Finally, there are two entries for field 583 regarding processing as part of VD18:

581 1 $3 1.1760-2.1761;5.1764-11.1770 $a digitized $c 20160703 $f VD18 $5 DE-14

583 1 $3 3.1762-4.1763 $a digitized $c 20160905 $f VD18 $5 DE-3

583 1 $a committed to retain $c 20170702 $f PE $k DE-576 $5 DE-24
the Aachen University Library (ISIL = DE-82) plans to deacidify the volumes 1.1901-12.1909 with the magnesium oxide method (MgO) in the year 2017 (provider: ZFB - Zentrum für Bucherhaltung Leipzig)

(1) 583 1$3 1.1901-12.1909 $a will be mass deacidify $c 2017 $i MgO $5 DE-82

the mass deacidification was carried out in May 2017

(2) 583 1 $3 1.1901-12.1909 $a mass deacidified $c 201705 $i MgO $x ... $5 DE-82

the announcement (1) is deleted from the data