

Normalization rules

ANZREG Best Practice Day
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University of
South Australia

Simple normalisation rules

Delete 773

```
rule "Delete 773 field"  
when  
  TRUE  
then  
  removeField "773"  
end
```

Add subfield m Level 5 Compactus

```
rule "add 852 subfield m and Level 5 Compactus"  
  when  
    (TRUE)  
  then  
    addField "852.m.Level 5 Compactus" if (not exists "852.m")  
  end
```



Copyright notices

Streaming media – Add Copyright UniSA copyright notice

rule " Add Copyright UniSA copyright notice "

when

(TRUE)

then

removeField "540"

removeField "903"

addField "540.a.Copyright University of South Australia."

end



Copyright notices

Streaming media – Add PartVA copyright notice

Rule "Add 540 and 542 Streaming Media Screenrights Copyright notices"

when

(TRUE)

then

removeField "540"

removeField "903"

addField "540.a.Broadcast copied and communicated in reliance on section 113P of the Australian Copyright Act."

addField "542.a.WARNING -- This material has been copied and communicated to you by or on behalf of University of South Australia in accordance with section 113P of the Copyright Act 1968 (the Act). -- The material in this communication may be subject to copyright under the Act. Any further copying or communication of this material by you may be the subject of copyright or performers' protection under the Act. -- Do not remove this notice."

end



Copyright notices

Streaming media – Add Specific License copyright notice fields

rule "Add 540 and 542 Streaming Media Specific License / Permission notices"

when

(TRUE)

then

removeField "540"

removeField "903"

addField "540.a.Copied and communicated by the University of South Australia with permission/licence from "

addField "542.a.Copied and communicated by the University of South Australia with permission/licence from "

end

More complex normalisation rules

Books - add RDA fields

```
rule "Books - add RDA fields, change 260, add 040e"  
  when  
    (TRUE)  
  then  
    addsubField "100.e"  
    addsubField "040.e.rda"  
    changeField "260" to "264"  
    changeSecondIndicator "264" to "1"  
    addField "264"  
    addField "336.a.text"  
    addsubField "336.b.txt"  
    addsubField "336.2.rdacontent"  
    addField "337.a.unmediated"  
    addsubField "337.b.n"  
    addsubField "337.2.rdamedia"  
    addField "338.a.volume"  
    addsubField "338.b.nc"  
    addsubField "338.2.rdacarrier"  
    addsubField "700.e"  
    addsubField "710.e"  
  end
```

Derivative for book chapter

```
rule "remove all 5**"  
  when  
    (TRUE)  
  then  
    removeControlField "001"  
    removeField "01**"  
    removeField "03**"  
    removeField "040"  
    removeField "3**"  
    removeField "4**"  
    removeField "5**"  
    removeField "6**"  
    copyField "245" to "773"  
    addField "830.a.*"  
    addSubfield "830.v.Reading"  
  
  end
```



Changing 008 information

```
rule "Replace 008"  
  when  
    ((exists "655.a.journal article") OR (exists "655.a.book chapter") OR (exists "655.a.book"))  
  then  
    ReplaceControlContents "008.{6,1}" with "s"  
    ReplaceControlContents "008.{11,1}" with "#"  
    ReplaceControlContents "008.{12,1}" with "#"  
    ReplaceControlContents "008.{13,1}" with "#"  
    ReplaceControlContents "008.{14,1}" with "#"  
    ReplaceControlContents "008.{18,1}" with "#"  
    ReplaceControlContents "008.{19,1}" with "#"  
    ReplaceControlContents "008.{20,1}" with "#"  
    ReplaceControlContents "008.{21,1}" with "#"  
    ReplaceControlContents "008.{22,1}" with "#"  
    ReplaceControlContents "008.{23,1}" with "o"  
    ReplaceControlContents "008.{24,1}" with "#"  
    ReplaceControlContents "008.{25,1}" with "#"  
    ReplaceControlContents "008.{26,1}" with "#"  
    ReplaceControlContents "008.{27,1}" with "#"  
    ReplaceControlContents "008.{28,1}" with "#"  
    ReplaceControlContents "008.{29,1}" with "0"  
    ReplaceControlContents "008.{30,1}" with "0"  
    ReplaceControlContents "008.{31,1}" with "0"  
    ReplaceControlContents "008.{32,1}" with ""  
    ReplaceControlContents "008.{33,1}" with "0"  
    ReplaceControlContents "008.{34,1}" with "#"  
    ReplaceControlContents "008.{38,1}" with "#"  
  end
```

```
rule "Replace 008 for conference papers"  
  when  
    (exists "655.a.conference paper")  
  then  
    ReplaceControlContents "008.{26,1}" with "#"  
    ReplaceControlContents "008.{29,1}" with "1"  
    ReplaceControlContents "008.{30,1}" with "0"  
    ReplaceControlContents "008.{31,1}" with "0"  
    ReplaceControlContents "008.{32,1}" with "0"  
  end
```



Preparing records for OAI harvesting to Trove

Publish ROR to OAI

```
rule "Add URL for handle"  
when  
(TRUE)  
then  
CopyField "024.a" to "856.{4,-}.u" if(exists "024.{8,-}")  
Prefix "856.u" with "http://researchoutputs.unisa.edu.au/"  
end
```

```
rule "Remove local 028, 753, 856, 956 and 97X fields"  
when  
(TRUE)  
then  
removeField "028"  
removeField "753"  
removeField "810"  
removeField "856"  
removeField "956"  
removeField "97*"  
end
```

```
rule "Remove staff IDs"  
when  
(TRUE)  
then  
removeSubField "700.0"  
removeSubField "700.2"  
end
```

```
rule "Remove 773 subfields"  
when  
(TRUE)  
then  
removeSubField "773.c"  
removeSubField "773.v"  
removeSubField "773.j"  
removeSubField "773.q"  
removeSubField "773.e"  
end
```



Complex normalisation rules

```
ROR end processing

rule "fix 024 for records with DOI in Handle field"
when
  (exists "024.{8,-}.2")
then
  removeSubField "024.2" if (not exists "024.a.10W.>")
end

rule "fix curly ap"
when
  TRUE
then
  replaceContent
  replaceContent
  replaceContent
  replaceContent
  replaceContent
  replaceContent
  replaceContent
  replaceContent
end

rule "fix 700 e author"
when
  TRUE
then
  addSubField "700.e.author" if
end

rule "add 977 No ISSN"
when
  ((not exists "773.x") AND (not
then
  addField "977.a.No ISSN"
  addSubField "977.d.28/05/2018"
end

rule "Add 977 -No DOI"
when
  (not exists "024.a.10W.>") and
then
  addField "977.a.No DOI"
  addSubField "977.d.28/05/2018"
end

rule "Replace hyphens in 773$z ISBN"
when
  (TRUE)
then
  replaceContents "773.z.-" with ""
end

rule "Replace ; or , in 653 a (u"
when
  (TRUE)
then
  replaceContents "653.a.; " wi
  replaceContents "653.a.; " wi
end

rule "add 700 e author"
when
  TRUE
then
  addSubField "700.e.author" if
end

rule "Add 977 -No WoS ID"
when
  (not exists "035.a.*-WoS") and (not e
then
  addField "977.a.No WoS ID"
  addSubField "977.d.28/05/2018" if (r
end

rule "ZED 035 RMID"
when
  TRUE
then
  changeSubfield "035.a" to "z" if (exis
end

rule "Replace 008"
when
  ((exists "655.a.journal article") C
then
  ReplaceControlContents "008.{
  ReplaceControlContents "008.{
  ReplaceControlContents "008.{
  ReplaceControlContents "008.{
  ReplaceControlContents "008.{
  ReplaceControlContents "008.{
  ReplaceControlContents "008.{
  ReplaceControlContents "008.{
  ReplaceControlContents "008.{
  ReplaceControlContents "008.{
end

rule "copy 264.c to 972.d"
when
  not exists "972.d"
then
  copyField "264.c" to "972.d"
  combineFields "972" ex
end

rule "fix 655 for conferen"
when
  (exists "655.a.conferenc
then
  replaceContents "655.a"
end

rule "Add 977 -No EID"
when
  (not exists "035.a.*-EID") and (not exists "977.a.No EID")
then
  addField "977.a.No EID"
  addSubField "977.d.28/05/2018" if (r
end

rule "Add 977 -No WoS ID"
when
  (not exists "035.a.*-WoS") and (not e
then
  addField "977.a.No WoS ID"
  addSubField "977.d.28/05/2018" if (r
end

rule "ZED 035 RMID"
when
  TRUE
then
  changeSubfield "035.a" to "z" if (exis
end

rule "Replace 008"
when
  ((exists "655.a.journal article") C
then
  ReplaceControlContents "008.{
  ReplaceControlContents "008.{
  ReplaceControlContents "008.{
  ReplaceControlContents "008.{
  ReplaceControlContents "008.{
  ReplaceControlContents "008.{
  ReplaceControlContents "008.{
  ReplaceControlContents "008.{
  ReplaceControlContents "008.{
  ReplaceControlContents "008.{
end

rule "copy 264.c to 972.d"
when
  not exists "972.d"
then
  copyField "264.c" to "972.d"
  combineFields "972" ex
end

rule "fix 655 for conferen"
when
  (exists "655.a.conferenc
then
  replaceContents "655.a"
end

rule "ReplaceControlContents"
  ReplaceControlContents "008.{26,1}" with "#"
  ReplaceControlContents "008.{26,1}" with "#"
  ReplaceControlContents "008.{27,1}" with "#"
  ReplaceControlContents "008.{28,1}" with "#"
  ReplaceControlContents "008.{29,1}" with "0"
  ReplaceControlContents "008.{30,1}" with "0"
  ReplaceControlContents "008.{30,1}" with "0"
  ReplaceControlContents "008.{30,1}" with "0"
  ReplaceControlContents "008.{30,1}" with "0"
  ReplaceControlContents "008.{30,1}" with "0"
end

rule "add 250 online"
when
  (exists "773.v.online")
then
  addField "250.a.online" if (not exists "2
end

rule "add 250 in press"
when
  (exists "773.v.in press")
then
  addField "250.a.in press" if (not exists "2
end

rule "change 542.a to 542.f"
when
  (exists "542.a")
then
  changeSubField "542.a" to "f"
end

rule "Add 971 restricted"
when
  (not exists "542.u")
then
  addField "971.a.restricted" if (not exists
end

rule "add 971 OA"
when
  (exists "542.u")
then
  addField "971.a.open access" if (not ex
  addSubField "971.d.28/05/2018" if (not
end

rule "Change 786.a to 786.f"
when
  (exists "786.a")
then
  changeSubField "786.a" to "f"
  addField "976.a.Dataset available" if (not exists "976.a.Dataset available")
end

rule "add 976 Dataset"
when
  (exists "786.f")
then
  addField "976.a.Dataset available" if (not exists "976.a.Dataset available")
end

rule "add 976 processed"
when
  (not exists "976.d")
then
  addField "976.a.processed" if (not exists "976.a.processed")
  addSubField "976.d.28/05/2018" if (exists "976.a.processed")
end

rule "Move 974 to 810"
when
  (exists "974.a")
then
  copyField "974" to "810"
  changeFirstIndicator "810" to "2"
  removeField "974"
end
```

Lets do as much as we can in one rule

ROR end processing

- **Fix 024 for records with DOI in the Handle field**
- **Fix curly apostrophes**
- **Fix curly apostrophes in research statements**
- **Replace hyphens in 773\$z ISBN**
- **Replace ; or , in 653 a (unconditional)**
- **Add 700 e author**
- **Add 977 No ISSN**
- **Add 977 No DOI**
- **Add 977 No EID**
- **Add 977 No WoS ID**



- **ZED 035 RMID**
- **Replace 008**
- **Replace 008 for conference papers**
- **Copy 264.c to 972.d**
- **Fix 655 for conference papers**
- **Add 250 Online**
- **Add 250 in press**
- **Change 542.a to 542.f**
- **Add 971 restricted**
- **Add 971 OA**
- **Change 786.a to 786.t**
- **Add 976 Dataset**
- **Add 976 processed**
- **Move 974 to 810**



```
rule "fix 024 for records with DOI in Handle field"  
when  
  (exists "024.{8,-}.2")  
then  
  removeSubField "024.2" if (not exists "024.a.10\\\\\\\\.*")  
end
```

```
rule "add 700 e author"  
when  
  TRUE  
then  
  addSubField "700.e.author" if (not exists "700.e")  
end
```

```
rule "fix curly apostrophes"  
when  
TRUE  
then  
replaceContents "245.a.'" with ""  
replaceContents "245.a.'" with ""  
replaceContents "245.a.'" with ""  
replaceContents "245.a.'" with ""  
replaceContents "245.a.—" with "-"  
replaceContents "245.a.—" with "-"  
replaceContents "700.a.'" with ""  
replaceContents "700.0.'" with ""  
replaceContents "773.g.—" with "-"  
replaceContents "773.g.—" with "-"  
end
```

```
rule "fix curly apostrophes in research statements"  
when  
  TRUE  
then  
  replaceContents "973.s.'" with ""  
  replaceContents "973.s.'" with ""  
  replaceContents "973.s.'" with ""  
  replaceContents "973.s.'" with ""  
  replaceContents "973.s.—" with "-"  
  replaceContents "973.s.—" with "-"  
end
```



```
rule "Replace hyphens in 773$z ISBN"  
when  
(TRUE)  
then  
  replaceContents "773.z.-" with ""  
end
```

```
rule "Replace ; or , in 653 a (unconditional)"  
when  
(TRUE)  
then  
  replaceContents "653.a.; " with " ‡a "  
  replaceContents "653.a., " with " ‡a "  
end
```

rule "add 977 No ISSN"

when

**((not exists "773.x") AND (not exists "773.z") AND (not exists "020.a")
AND (not exists "977.a.No ISSN"))**

then

addField "977.a.No ISSN"

addSubField "977.d.28/05/2018" if (not exists "977.d")

end

rule "Add 977 -No DOI"

when

(not exists "024.a.10\\\\.*)" and (not exists "977.a.No DOI")

then

addField "977.a.No DOI"

addSubField "977.d.28/05/2018" if (not exists "977.d")

end



rule "Add 977 -No EID"

when

(not exists "035.a.*-EID") and (not exists "977.a.No EID")

then

addField "977.a.No EID"

addSubField "977.d.28/05/2018" if (not exists "977.d")

end

rule "Add 977 -No WoS ID"

when

(not exists "035.a.*-WoS") and (not exists "977.a.No WoS ID")

then

addField "977.a.No WoS ID"

addSubField "977.d.28/05/2018" if (not exists "977.d")

end



```
rule "ZED 035 RMID"  
when  
TRUE  
then  
changeSubfield "035.a" to "z" if (exists "035.a.*-RMID")  
end
```

```
rule "Replace 008 for conference papers"  
  when  
    (exists "655.a.conference*")  
  then  
    ReplaceControlContents "008.{26,1}" with "#"  
    ReplaceControlContents "008.{29,1}" with "1"  
    ReplaceControlContents "008.{30,1}" with "0"  
    ReplaceControlContents "008.{31,1}" with "0"  
    ReplaceControlContents "008.{32,1}" with "0"  
  end
```

```
rule "Replace 008"  
  when  
    ((exists "655.a.journal article") OR (exists "655.a.book chapter") OR (exists "655.a.book"))  
  then  
    ReplaceControlContents "008.{6,1}" with "s"  
    ReplaceControlContents "008.{11,1}" with "#"  
    ReplaceControlContents "008.{12,1}" with "#"  
    ReplaceControlContents "008.{13,1}" with "#"  
    ReplaceControlContents "008.{14,1}" with "#"  
    ReplaceControlContents "008.{18,1}" with "#"  
    ReplaceControlContents "008.{19,1}" with "#"  
    ReplaceControlContents "008.{20,1}" with "#"  
    ReplaceControlContents "008.{21,1}" with "#"  
    ReplaceControlContents "008.{22,1}" with "#"  
    ReplaceControlContents "008.{23,1}" with "o"  
    ReplaceControlContents "008.{24,1}" with "#"  
    ReplaceControlContents "008.{25,1}" with "#"  
    ReplaceControlContents "008.{26,1}" with "#"  
    ReplaceControlContents "008.{27,1}" with "#"  
    ReplaceControlContents "008.{28,1}" with "#"  
    ReplaceControlContents "008.{29,1}" with "0"  
    ReplaceControlContents "008.{30,1}" with "0"  
    ReplaceControlContents "008.{31,1}" with "0"  
    ReplaceControlContents "008.{32,1}" with ""  
    ReplaceControlContents "008.{33,1}" with "0"  
    ReplaceControlContents "008.{34,1}" with "#"  
    ReplaceControlContents "008.{38,1}" with "#"  
  end
```



```
rule "copy 264.c to 972.d"  
when  
  not exists "972.d"  
then  
  copyField "264.c" to "972.d" if (exists "264.c")  
  combineFields "972" excluding "y"  
end
```

```
rule "fix 655 for conference papers"  
when  
  (exists "655.a.conference proceedings")  
then  
  replaceContents "655.a" with "conference paper"  
end
```

```
rule "add 250 online"  
when  
  (exists "773.v.online")  
then  
  addField "250.a.online" if (not exists "250.a.online")  
end
```

```
rule "add 250 in press"  
when  
  (exists "773.v.in press")  
then  
  addField "250.a.in press" if (not exists "250.a.in press")  
end
```



```
rule "change 542.a to 542.f"  
when  
(exists "542.a")  
then  
changeSubField "542.a" to "f"  
end
```

```
rule "Add 971 restricted"  
when  
(not exists "542.u")  
then  
addField "971.a.restricted" if (not exists "971")  
end
```

```
rule "add 971 OA"  
when  
  (exists "542.u")  
then  
  addField "971.a.open access" if (not exists "971")  
  addSubfield "971.d.28/05/2018" if (not exists "971.d")  
end
```

```
rule "Change 786.a to 786.t"  
when  
  (exists "786.a")  
then  
  changeSubField "786.a" to "t"  
  addField "976.a.Dataset available" if (not exists "976.a.Dataset  
  available")  
end
```

```
rule "add 976 Dataset"  
when  
(exists "786.t")  
then  
addField "976.a.Dataset available" if (not exists "976.a.Dataset  
available")  
end
```

```
rule "add 976 processed"  
when  
(not exists "976.d")  
then  
addField "976.a.processed" if (not exists "976.a.processed")  
addSubField "976.d.28/05/2018" if (exists "976.a.processed")  
end
```



```
rule "Move 974 to 810"  
when  
  (exists "974.a")  
then  
  copyField "974" to "810"  
  changeFirstIndicator "810" to "2"  
  removeField "974"  
end
```

```
rule "Questions"  
when  
  TRUE  
then  
  Add "Questions"  
end
```

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