

# Validator

Die Grundlage für den Validator stammt aus dem Projekt phpGedView, welches mittlerweile eingestellt wurde bzw. in webtrees übergegangen ist. Das Programm steht unter GNU General Public License (GPL).

Abgebildet wird der Gedcom 5.5.1 Standard inklusive der in der Gedcom-L vereinbarten benutzerdefinierten Erweiterungen. Alle anderen benutzerdefinierten Erweiterungen werden nicht als Fehler ausgegeben, es wird lediglich keine syntaktische Prüfung durchgeführt.

Die Überprüfung kann über 4 Ebenen ausgeführt werden, wobei jede Ebene die vorangegangenen mit einschließt. Wird in einer Zeile ein Fehler gefunden, so wird nicht nach weiteren Fehlern in dieser Zeile gesucht.

Aufrufsyntax: java -jar Validator.jar <Testlevel> <File1> <File2> ...

Der Testlevel kann folgende Werte annehmen, wobei jeweils nur der 1. Buchstabe ausgewertet wird.

CRITICAL  
ERROR  
WARNING  
INFO

Die Ausgabe erfolgt nach <File1 ohne Extension>\_Test.html.

Meldungen werden in die Log-Datei <File1 ohne Extension>.log geschrieben.

Wird der Validator ohne Parameter aufgerufen, so wird ein Dateidialog geöffnet in dem mehrere Dateien selektiert werden können. Die Prüfung erfolgt auf dem höchsten Testlevel „I“. In diesem Modus wird auch ein Hinweisfenster geöffnet, sobald die Prüfung beendet ist.

Kritisch - enthält

1. 0 HEAD fehlt als Fehler
2. 0 TRLR fehlt als Fehler
3. Text nach 0 TRLR als Fehler
4. Zu viele SUBN Einträge als Fehler
5. Leerzeile als Warnung
6. Fehlendes TAG
7. Fehlender Level
8. Zeiger auf Xref-ID – Der angegebene Rekord fehlt
9. Zeiger auf Xref-ID – Rückverbindung fehlt

Fehler - enthält

10. Levelangabe fehlerhaft
11. TAG Angabe fehlerhaft gleichzeitig sammeln der benutzerdefinierten TAGs
12. Überprüfung der untergeordneten Tags auf Mindestanzahl und Maximalanzahl
13. Prüfen ob untergeordneten Tags fehlen

Warnung - enthält

14. Prüfen der Daten
15. Prüfen auf nicht verbundene Rekords

Information - enthält

16. Prüfen der Leerzeichen (Abstand)

Beschreibung der Variablen:

**TAG** assoziatives Feld – in Java sind alle assoziativen Felder als Hashtable realisiert.

Als Schlüssel ist das Element eingetragen, der Wert ist der reguläre Ausdruck, der den möglichen Inhalt beschreibt. Die angegebenen Maximalwerte beziehen sich dabei auf die empfohlene Minimalgröße für Datenbanken, die längenbegrenzte Felder haben. TAG wird nur für den Strukturaufbau benötigt.

```
$TAG['ADDRESS_CITY']          = '{1,60}';
```

```
bzw. TAG.put("ADDRESS_CITY", "{1,60}");
```

**CONTEXT** assoziatives Feld

Schlüssel ist die Datensatzstruktur, Wert der reguläre Ausdruck, der den möglichen Inhalt beschreibt.

**CONTEXT\_MIN** assoziatives Feld

Schlüssel ist die Datensatzstruktur, Wert zeigt an, wie oft die Struktur mindestens vorkommen muss.

**CONTEXT\_MAX** assoziatives Feld

Schlüssel ist die Datensatzstruktur, Wert zeigt an, wie oft die Struktur maximal vorkommen darf.

**CONTEXT\_SUB** assoziatives Feld

Schlüssel ist die Datensatzstruktur, Wert ist ein weiteres assoziatives Feld mit dem Schlüssel des Subeintrages und dem Wert der Datensatzstruktur.

**XREF\_LINK** assoziatives Feld

Schlüssel ist das Element, Wert ist der Rekord auf den das Element zeigt.

```
z.B.: $XREF_LINK['FAMC']      ='FAM';
```

## Strukturaufbau

Die Maximalangabe M wurde durch 999999 ersetzt. Alle Angaben smin,smax beziehen sich auf die Min-, Max-Angaben des Übergeordneten Elementes. Nicht im Gedcom Standard 5.5.1 enthaltene Elemente sind kursiv dargestellt. Elemente, wie OBJE und SOUR, die unterschiedliche Möglichkeiten der Ausführung haben werden zur Unterscheidung als OBJEX und SOURX gekennzeichnet.

Element	Min	Max	Inhalt
""	1	1	<<HEADER>>
""	0	1	<<SUBMISSION_RECORD>>
""	0	999999	<<FAM_RECORD>>
""	0	999999	<<INDIVIDUAL_RECORD>>
""	0	999999	<<MULTIMEDIA_RECORD>>
""	0	999999	<<NOTE_RECORD>>
""	0	999999	<<REPOSITORY_RECORD>>
""	0	999999	<<SOURCE_RECORD>>
""	0	999999	<<_PLACE_RECORD>>
""	0	999999	<<SUBMITTER_RECORD>>
"TRLR"	1	1	NULL

Element	Min	Max	Inhalt
<b>"&lt;&lt;ADDRESS_STRUCTURE&gt;&gt;"</b>			
"ADDR"	smin	smax	"ADDRESS_LINE"
"ADDR:CONT"	0	3	"ADDRESS_LINE"
"ADDR:ADR1"	0	1	"ADDRESS_LINE1"
"ADDR:ADR2"	0	1	"ADDRESS_LINE2"
"ADDR:ADR3"	0	1	"ADDRESS_LINE3"
"ADDR:CITY"	0	1	"ADDRESS_CITY"
"ADDR:STAE"	0	1	"ADDRESS_STATE"
"ADDR:POST"	0	1	"ADDRESS_POSTAL_CODE"
"ADDR:CTRY"	0	1	"ADDRESS_COUNTRY"
"PHON"	0	3	"PHONE_NUMBER"
"EMAI"	0	3	"ADDRESS_EMAIL"
"EMAIL"	0	3	"ADDRESS_EMAIL"
"FAX"	0	3	"ADDRESS_FAX"
"WWW"	0	3	"ADDRESS_WEB_PAGE"
<b>"&lt;&lt;ASSOCIATION_STRUCTURE&gt;&gt;"</b>			
"ASSO"	smin	smax	"XREF"
"ASSO:RELA"	1	1	"RELATION_IS_DESCRIPTOR"
"ASSO:"	0	999999	"<<SOURCE_CITATION>>"
"ASSO:"	0	999999	"<<NOTE_STRUCTURE>>"
<b>"&lt;&lt;_ASSOCIATION_STRUCTURE&gt;&gt;"</b>			
"_ASSO"	smin	smax	"XREF"
"_ASSO:RELA"	1	1	"RELATION_IS_DESCRIPTOR"
"_ASSO:"	0	999999	"<<SOURCE_CITATION>>"
"_ASSO:"	0	999999	"<<NOTE_STRUCTURE>>"
<b>"&lt;&lt;CHANGE_DATE&gt;&gt;"</b>			
"CHAN"	smin	smax	"NULL"
"CHAN:DATE"	1	1	"CHANGE_DATE"
"CHAN:DATE:TIME"	0	1	"TIME_VALUE"
"CHAN:"	0	999999	"<<NOTE_STRUCTURE>>"
<b>"&lt;&lt;CHILD_TO_FAMILY_LINK&gt;&gt;"</b>			
"FAMC"	smin	smax	"XREF"
"FAMC:PEDI"	0	1	"PEDIGREE_LINKAGE_TYPE"
"FAMC:STAT"	0	1	"CHILD_LINKAGE_STATUS"

Element	Min	Max	Inhalt
"FAMC:"	0	999999	"<<NOTE_STRUCTURE>>"
"<<EVENT_DETAIL>>"			
"TYPE"	smin	smax	"EVENT_OR_FACT_CLASSIFICATION"
"DATE"	0	1	"DATE_VALUE"
""	0	1	"<<PLACE_STRUCTURE>>"
""	0	1	"<<ADDRESS_STRUCTURE>>"
""	0	1	"<<_ASSOCIATION_STRUCTURE>>"
"AGNC"	0	1	"RESPONSIBLE_AGENCY"
"RELI"	0	1	"RELIGIOUS_AFFILIATION"
"CAUS"	0	1	"CAUSE_OF_EVENT"
"RESN"	0	1	"RESTRICTION_NOTICE"
""	0	999999	"<<NOTE_STRUCTURE>>"
""	0	999999	"<<SOURCE_CITATION>>"
""	0	999999	"<<MULTIMEDIA_LINK>>"
"<<FAMILY_EVENT_DETAIL>>"			
"HUSB"	smin	smax	"NULL"
"HUSB:AGE"	1	1	"AGE_AT_EVENT"
"WIFE"	0	1	"NULL"
"WIFE:AGE"	1	1	"AGE_AT_EVENT"
""	0	1	"<<EVENT_DETAIL>>"
"<<FAM_RECORD>>"			
"FAM"	smin	smax	"NULL"
"FAM:RESN"	0	1	"RESTRICTION_NOTICE"
"FAM:"	0	999999	"<<FAMILY_EVENT_STRUCTURE>>"
"FAM:HUSB"	0	1	"XREF"
"FAM:WIFE"	0	1	"XREF"
"FAM:CHIL"	0	999999	"XREF"
"FAM:NCHI"	0	1	"COUNT_OF_CHILDREN"
"FAM:SUBM"	0	999999	"XREF"
"FAM:"	0	999999	"<<LDS_SPOUSE_SEALING>>"
"FAM:REFN"	0	999999	"USER_REFERENCE_NUMBER"
"FAM:REFN:TYPE"	0	1	"USER_REFERENCE_TYPE"
"FAM:RIN"	0	1	"AUTOMATED_RECORD_ID"
"FAM:"	0	1	"<<CHANGE_DATE>>"

Element	Min	Max	Inhalt
"FAM:"	0	999999	"<<NOTE_STRUCTURE>>"
"FAM:"	0	999999	"<<SOURCE_CITATION>>"
"FAM:"	0	999999	"<<MULTIMEDIA_LINK>>"
"FAM: _UID"	0	999999	"USER_ID"
"FAM: _WITN"	0	999999	"TEXT"
"FAM: _STAT"	0	1	"STATUS_TEXT"
"FAM: _STAT:DATE"	0	1	"DATE_VALUE"
"FAM: _STAT:"	0	1	"<<PLACE_STRUCTURE>>"
"FAM: _STAT:"	0	999999	"<<NOTE_STRUCTURE>> "
"FAM: _STAT:"	0	999999	"<<SOURCE_CITATION>> "
"<<FAMILY_EVENT_STRUCTURE>>"			
"ANUL"	smin	smax	"NULL"
"ANUL:"	0	1	"<<FAMILY_EVENT_DETAIL>>"
"CENS"	smin	smax	"NULL"
"CENS:"	0	1	"<<FAMILY_EVENT_DETAIL>>"
"DIV"	smin	smax	"NULL"
"DIV:"	0	1	"<<FAMILY_EVENT_DETAIL>>"
"DIVF"	smin	smax	"NULL"
"DIVF:"	0	1	"<<FAMILY_EVENT_DETAIL>>"
"ENGA"	smin	smax	"NULL"
"ENGA:"	0	1	"<<FAMILY_EVENT_DETAIL>>"
"MARB"	smin	smax	"NULL"
"MARB:"	0	1	"<<FAMILY_EVENT_DETAIL>>"
"MARC"	smin	smax	"NULL"
"MARC:"	0	1	"<<FAMILY_EVENT_DETAIL>>"
"MARL"	smin	smax	"NULL"
"MARL:"	0	1	"<<FAMILY_EVENT_DETAIL>>"
"MARS"	smin	smax	"NULL"
"MARS:"	0	1	"<<FAMILY_EVENT_DETAIL>>"
"RESI"	smin	smax	"NULL"
"RESI:"	0	1	"<<FAMILY_EVENT_DETAIL>>"
"MARR"	smin	smax	"Y?"
"MARR: _WITN"	0	999999	"TEXT"
"MARR:"	0	1	"<<FAMILY_EVENT_DETAIL>>"

Element	Min	Max	Inhalt
"EVEN"	smin	smax	"(EVENT_DESCRIPTOR)?"
"EVEN:"	0	1	"<<FAMILY_EVENT_DETAIL>>"
"<<HEADER>>"			
"HEAD"	smin	smax	"NULL"
"HEAD:SOUR"	1	1	"APPROVED_SYSTEM_ID"
"HEAD:SOUR:VERS"	0	1	"VERSION_NUMBER"
"HEAD:SOUR:NAME"	0	1	"NAME_OF_PRODUCT"
"HEAD:SOUR:CORP"	0	1	"NAME_OF_BUSINESS"
"HEAD:SOUR:CORP:"	0	1	"<<ADDRESS_STRUCTURE>>"
"HEAD:SOUR:DATA"	0	1	"NAME_OF_SOURCE_DATA"
"HEAD:SOUR:DATA:DATE"	0	1	"PUBLICATION_DATE"
"HEAD:SOUR:DATA:COPR"	0	1	"COPYRIGHT_SOURCE_DATA"
"HEAD:SOUR:DATA:COPR:CONC"	0	999999	"COPYRIGHT_SOURCE_DATA"
"HEAD:SOUR:DATA:COPR:CONT"	0	999999	"COPYRIGHT_SOURCE_DATA"
"HEAD:DEST"	0	1	"RECEIVING_SYSTEM_NAME"
"HEAD:DATE"	0	1	"TRANSMISSION_DATE"
"HEAD:DATE:TIME"	0	1	"TIME_VALUE"
"HEAD:SUBM"	1	1	"XREF"
"HEAD:SUBN"	0	1	"XREF"
"HEAD:FILE"	0	1	"FILE_NAME"
"HEAD:COPR"	0	1	"COPYRIGHT_GEDCOM_FILE"
"HEAD:GEDC"	1	1	"NULL"
"HEAD:GEDC:VERS"	1	1	"VERSION_NUMBER"
"HEAD:GEDC:FORM"	1	1	"GEDCOM_FORM"
"HEAD:CHAR"	1	1	"CHARACTER_SET"
"HEAD:CHAR:VERS"	0	1	"VERSION_NUMBER"
"HEAD:LANG"	0	1	"LANGUAGE_OF_TEXT"
"HEAD:PLAC"	0	1	"NULL"
"HEAD:PLAC:FORM"	1	1	"PLACE_HIERARCHY"
"HEAD:NOTE"	0	1	"GEDCOM_CONTENT_DESCRIPTION"
"HEAD:NOTE:CONT"	0	999999	"GEDCOM_CONTENT_DESCRIPTION"
"HEAD:NOTE:CONC"	0	999999	"GEDCOM_CONTENT_DESCRIPTION"
"<<INDIVIDUAL_ATTRIBUTE_STRUCTURE>>"			
"CAST"	smin	smax	"CASTE_NAME"

Element	Min	Max	Inhalt
"CAST:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"DSCR"	smin	smax	"PHYSICAL_DESCRIPTION"
"DSCR:CONT"	0	999999	"PHYSICAL_DESCRIPTION"
"DSCR:CONC"	0	999999	"PHYSICAL_DESCRIPTION"
"DSCR:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"EDUC"	smin	smax	"SCHOLASTIC_ACHIEVEMENT"
"EDUC:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"IDNO"	smin	smax	"NATIONAL_ID_NUMBER"
"IDNO:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"NATI"	smin	smax	"NATIONAL_OR_TRIBAL_ORIGIN"
"NATI:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"NCHI"	smin	smax	"COUNT_OF_CHILDREN"
"NCHI:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"NMR"	smin	smax	"COUNT_OF_MARRIAGES"
"NMR:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"OCCU"	smin	smax	"OCCUPATION"
"OCCU:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"PROP"	smin	smax	"POSSESSIONS"
"PROP:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"RELI"	smin	smax	"RELIGIOUS_AFFILIATION"
"RELI:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"RESI"	smin	smax	"NULL"
"RESI:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"SSN"	smin	smax	"SOCIAL_SECURITY_NUMBER"
"SSN:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"TITL"	smin	smax	"NOBILITY_TYPE_TITLE"
"TITL:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"FACT"	smin	smax	"ATTRIBUTE_DESCRIPTOR"
"FACT:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"<<INDIVIDUAL_EVENT_DETAIL>>"			
"	smin	smax	"<<EVENT_DETAIL>>"
"AGE"	0	1	"AGE_AT_EVENT"
"<<INDIVIDUAL_EVENT_STRUCTURE>>"			
"BIRT"	smin	smax	"Y?"



Element	Min	Max	Inhalt
"BIRT:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"BIRT:FAMC"	0	1	"XREF"
"CHR"	smin	smax	"Y?"
"CHR:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"CHR:FAMC"	0	1	"XREF"
"CHR: _GODP"	0	999999	"TEXT"
"DEAT"	smin	smax	"Y?"
"DEAT:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"BURI"	smin	smax	"NULL"
"BURI:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"CREM"	smin	smax	"NULL"
"CREM:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"BAPM"	smin	smax	"NULL"
"BAPM:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"BARM"	smin	smax	"NULL"
"BARM:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"BASM"	smin	smax	"NULL"
"BASM:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"BLES"	smin	smax	"NULL"
"BLES:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"CHRA"	smin	smax	"NULL"
"CHRA:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"CONF"	smin	smax	"NULL"
"CONF:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"FCOM"	smin	smax	"NULL"
"FCOM:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"ORDN"	smin	smax	"NULL"
"ORDN:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"NATU"	smin	smax	"NULL"
"NATU:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"EMIG"	smin	smax	"NULL"
"EMIG:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"IMMI"	smin	smax	"NULL"
"IMMI:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"

Element	Min	Max	Inhalt
"CENS"	smin	smax	"NULL"
"CENS:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"PROB"	smin	smax	"NULL"
"PROB:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"WILL"	smin	smax	"NULL"
"WILL:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"GRAD"	smin	smax	"NULL"
"GRAD:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"RETI"	smin	smax	"NULL"
"RETI:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"EVEN"	smin	smax	"NULL"
"EVEN:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"ADOP"	smin	smax	"NULL"
"ADOP:"	0	1	"<<INDIVIDUAL_EVENT_DETAIL>>"
"ADOP:FAMC"	0	1	"XREF"
"ADOP:FAMC:ADOP"	0	1	"ADOPTED_BY_WHICH_PARENT"
"<<INDIVIDUAL_RECORD>>"			
"INDI"	smin	smax	"NULL"
"INDI:RESN"	0	1	"RESTRICTION_NOTICE"
"INDI:"	0	999999	"<<PERSONAL_NAME_STRUCTURE>>"
"INDI:SEX"	0	1	"SEX_VALUE"
"INDI:"	0	999999	"<<INDIVIDUAL_EVENT_STRUCTURE>>"
"INDI:"	0	999999	"<<INDIVIDUAL_ATTRIBUTE_STRUCTURE>>"
"INDI:"	0	999999	"<<LDS_INDIVIDUAL_ORDINANCE>>"
"INDI:"	0	999999	"<<CHILD_TO_FAMILY_LINK>>"
"INDI:"	0	999999	"<<SPOUSE_TO_FAMILY_LINK>>"
"INDI:SUBM"	0	999999	"XREF"
"INDI:"	0	999999	"<<ASSOCIATION_STRUCTURE>>"
"INDI:ALIA"	0	999999	"XREF"
"INDI:ANCI"	0	999999	"XREF"
"INDI:DESI"	0	999999	"XREF"
"INDI:RFN"	0	1	"PERMANENT_RECORD_FILE_NUMBER"
"INDI:AFN"	0	1	"ANCESTRAL_FILE_NUMBER"
"INDI:REFN"	0	999999	"USER_REFERENCE_NUMBER"

Element	Min	Max	Inhalt
"INDI:REFN:TYPE"	0	1	"USER_REFERENCE_TYPE"
"INDI:RIN"	0	1	"AUTOMATED_RECORD_ID"
"INDI:"	0	1	"<<CHANGE_DATE>>"
"INDI:"	0	999999	"<<NOTE_STRUCTURE>>"
"INDI:"	0	999999	"<<SOURCE_CITATION>>"
"INDI:"	0	999999	"<<MULTIMEDIA_LINK>>"
"INDI:_UID"	0	999999	"USER_ID"
"INDI:_GODP"	0	999999	"TEXT"
"<<LDS_INDIVIDUAL_ORDINANCE>>"			
"BAPL"	smin	smax	"NULL"
"BAPL:DATE"	0	1	"DATE_LDS_ORD"
"BAPL:TEMP"	0	1	"TEMPLE_CODE"
"BAPL:PLAC"	0	1	"PLACE_LIVING_ORDINANCE"
"BAPL:STAT"	0	1	"LDS_BAPTISM_DATE_STATUS"
"BAPL:STAT:DATE"	1	1	"CHANGE_DATE"
"BAPL:"	0	999999	"<<NOTE_STRUCTURE>>"
"BAPL:"	0	999999	"<<SOURCE_CITATION>>"
"CONL"	smin	smax	"NULL"
"CONL:DATE"	0	1	"DATE_LDS_ORD"
"CONL:TEMP"	0	1	"TEMPLE_CODE"
"CONL:PLAC"	0	1	"PLACE_LIVING_ORDINANCE"
"CONL:STAT"	0	1	"LDS_BAPTISM_DATE_STATUS"
"CONL:STAT:DATE"	1	1	"CHANGE_DATE"
"CONL:"	0	999999	"<<NOTE_STRUCTURE>>"
"CONL:"	0	999999	"<<SOURCE_CITATION>>"
"ENDL"	smin	smax	"NULL"
"ENDL:DATE"	0	1	"DATE_LDS_ORD"
"ENDL:TEMP"	0	1	"TEMPLE_CODE"
"ENDL:PLAC"	0	1	"PLACE_LIVING_ORDINANCE"
"ENDL:STAT"	0	1	"LDS_ENDOWMENT_DATE_STATUS"
"ENDL:STAT:DATE"	1	1	"CHANGE_DATE"
"ENDL:"	0	999999	"<<NOTE_STRUCTURE>>"
"ENDL:"	0	999999	"<<SOURCE_CITATION>>"
"SLGC"	smin	smax	"NULL"

Element	Min	Max	Inhalt
"SLGC:DATE"	0	1	"DATE_LDS_ORD"
"SLGC:TEMP"	0	1	"TEMPLE_CODE"
"SLGC:PLAC"	0	1	"PLACE_LIVING_ORDINANCE"
"SLGC:FAMC"	1	1	"XREF"
"SLGC:STAT"	0	1	"LDS_CHILD_SEALING_DATE_STATUS"
"SLGC:STAT:DATE"	1	1	"CHANGE_DATE"
"SLGC:"	0	999999	"<<NOTE_STRUCTURE>>"
"SLGC:"	0	999999	"<<SOURCE_CITATION>>"
<b>"&lt;&lt;LDS_SPOUSE_SEALING&gt;&gt;"</b>			
"SLGS"	smin	smax	"NULL"
"SLGS:DATE"	0	1	"DATE_LDS_ORD"
"SLGS:TEMP"	0	1	"TEMPLE_CODE"
"SLGS:STAT"	0	1	"LDS_SPOUSE_SEALING_DATE_STATUS"
"SLGS:STAT:DATE"	1	1	"CHANGE_DATE"
"SLGS:"	0	999999	"<<NOTE_STRUCTURE>>"
"SLGS:"	0	999999	"<<SOURCE_CITATION>>"
<b>"&lt;&lt;MULTIMEDIA_LINK&gt;&gt;"</b>			
"OBJEX"	smin	smax	"XREF"
"OBJE"	smin	smax	"NULL"
"OBJE:FILE"	1	999999	"MULTIMEDIA_FILE_REFN"
"OBJE:FILE:FORM"	1	1	"MULTIMEDIA_FORMAT"
"OBJE:FILE:FORM:MEDI"	0	1	"SOURCE_MEDIA_TYPE"
"OBJE:TITL"	0	1	"DESCRIPTIVE_TITLE"
<b>"&lt;&lt;MULTIMEDIA_RECORD&gt;&gt;"</b>			
"OBJE"	smin	smax	"NULL"
"OBJE:FILE"	1	999999	"MULTIMEDIA_FILE_REFN"
"OBJE:FILE:FORM"	1	1	"MULTIMEDIA_FORMAT"
"OBJE:FILE:FORM:TYPE"	0	1	"SOURCE_MEDIA_TYPE"
"OBJE:FILE:TITL"	0	1	"DESCRIPTIVE_TITLE"
"OBJE:REFN"	0	999999	"USER_REFERENCE_NUMBER"
"OBJE:REFN:TYPE"	0	1	"USER_REFERENCE_TYPE"
"OBJE:RIN"	0	1	"AUTOMATED_RECORD_ID"
"OBJE:"	0	1	"<<CHANGE_DATE>>"
"OBJE:"	0	999999	"<<NOTE_STRUCTURE>>"

Element	Min	Max	Inhalt
"OBJE:"	0	999999	"<<SOURCE_CITATION>>"
"OBJE:_UID"	0	999999	"USER_ID"
"<<NOTE_RECORD>>"			
"NOTE"	smin	smax	"SUBMITTER_TEXT"
"NOTE:CONC"	0	999999	"SUBMITTER_TEXT"
"NOTE:CONT"	0	999999	"SUBMITTER_TEXT"
"NOTE:REFN"	0	999999	"USER_REFERENCE_NUMBER"
"NOTE:REFN:TYPE"	0	1	"USER_REFERENCE_TYPE"
"NOTE:RIN"	0	1	"AUTOMATED_RECORD_ID"
"NOTE:"	0	1	"<<CHANGE_DATE>>"
"NOTE:"	0	999999	"<<SOURCE_CITATION>>"
"NOTE:_UID"	0	999999	"USER_ID"
"<<NOTE_STRUCTURE>>"			
"NOTE"	smin	smax	"XREF" "SUBMITTER_TEXT"
"NOTE:CONT"	0	999999	"SUBMITTER_TEXT"
"NOTE:CONC"	0	999999	"SUBMITTER_TEXT"
"<<PERSONAL_NAME_PIECES>>"			
"NPFX"	smin	smax	"NAME_PIECE_PREFIX"
"GIVN"	0	1	"NAME_PIECE_GIVEN"
"NICK"	0	1	"NAME_PIECE_NICKNAME"
"SPFX"	0	1	"NAME_PIECE_SURNAME_PREFIX"
"SURN"	0	1	"NAME_PIECE_SURNAME"
"NSFX"	0	1	"NAME_PIECE_SUFFIX"
"_RUFNAME"	0	1	"NAME_PIECE_GIVEN"
""	0	999999	"<<NOTE_STRUCTURE>>"
""	0	999999	"<<SOURCE_CITATION>>"
"<<PERSONAL_NAME_STRUCTURE>>"			
"NAME"	smin	smax	"NAME_PERSONAL"
"NAME:TYPE"	0	1	"NAME_TYPE"
"NAME:"	0	1	"<<PERSONAL_NAME_PIECES>>"
"NAME:FONE"	0	999999	"NAME_PHONETIC_VARIATION"
"NAME:FONE:TYPE"	1	1	"PHONETIC_TYPE"
"NAME:FONE:"	0	1	"<<PERSONAL_NAME_PIECES>>"
"NAME:ROMN"	0	999999	"NAME_ROMANIZED_VARIATION"

Element	Min	Max	Inhalt
"NAME:ROMN:TYPE"	1	1	"ROMANIZED_TYPE"
"NAME:ROMN:"	0	1	"<<PERSONAL_NAME_PIECES>>"
"<<_PLACE_RECORD>>"			
"_LOC"	<i>smin</i>	<i>smax</i>	"NULL"
"_LOC:NAME"	1	999999	"PLACE_NAME"
"_LOC:NAME:DATE"	0	1	"DATE_VALUE"
"_LOC:NAME:_NAMC"	0	1	"PLACE_NAME_ADDITION"
"_LOC:NAME:ABBR"	0	999999	"ABBREVIATION_OF_NAME"
"_LOC:NAME:ABBR:TYPE"	0	1	"TYPE_OF_ABBREVIATION"
"_LOC:_LANG"	0	1	"LANGUAGE_OF_TEXT"
"_LOC:_LANG:"	0	999999	"<<SOURCE_CITATION>>"
"_LOC:TYPE"	0	1	"TYPE_OF_LOCATION"
"_LOC:_FPOST"	0	999999	"FOKO_POSTCODE"
"_LOC:_FPOST:DATE"	0	1	"DATE_VALUE"
"_LOC:_POST"	0	999999	"POSTAL_CODE"
"_LOC:_POST:DATE"	0	1	"DATE_VALUE"
"_LOC:_POST:"	0	999999	"<<SOURCE_CITATION>>"
"_LOC:_GOV"	0	1	"GOV_IDENTIFIER"
"_LOC:_FPOST"	0	1	"FOKO_POST_CODE"
"_LOC:_FSTAE"	0	1	"FOKO_TERRITORY_IDENTIFIER"
"_LOC:_FCTRY"	0	1	"FOKO_STATE_IDENTIFIER"
"_LOC:MAP"	0	1	"NULL"
"_LOC:MAP:LATI"	1	1	"PLACE_LATITUDE"
"_LOC:MAP:LONG"	1	1	"PLACE_LONGITUDE"
"_LOC:_MAIDENHEAD"	0	1	"MAIDENHEAD_LOCATOR"
"_LOC:EVEN"	0	999999	"(EVENT_DESCRIPTOR)?"
"_LOC:EVEN:"	0	1	"<<EVENT_DETAIL>>"
"_LOC:_LOC"	0	999999	"XREF"
"_LOC:_LOC:TYPE"	1	1	"HIERARCHICAL_RELATIONSHIP"
"_LOC:_LOC:DATE"	0	1	"DATE_VALUE"
"_LOC:_LOC:"	0	1	"<<SOURCE_CITATION>>"
"_LOC:_DMGD"	0	999999	"DEMOGRAPHICAL_DATA"
"_LOC:_DMGD:DATE"	0	1	"DATE_VALUE"
"_LOC:_DMGD:"	1	999999	"<<SOURCE_CITATION>>"

Element	Min	Max	Inhalt
"_LOC:_DMGD:TYPE"	1	1	"TYPE_OF_DEMOGRAPICAL_DATA"
"_LOC:_AIDN"	0	999999	"ADMINISTRATIVE_IDENTIFIER"
"_LOC:_AIDN:DATE"	0	1	"DATE_VALUE"
"_LOC:_AIDN:"	1	999999	"<<SOURCE_CITATION>>"
"_LOC:_AIDN:TYPE"	1	1	"TYPE_OF_ADMINISTRATIVE_IDENTIFIER"
"_LOC:"	0	999999	"<<MULTIMEDIA_LINK>>"
"_LOC:"	0	999999	"<<NOTE_STRUCTURE>>"
"_LOC:"	0	999999	"<<SOURCE_CITATION>>"
"_LOC:"	0	1	"<<CHANGE_DATE>>"
"_LOC:_UID"	0	999999	"USER_ID"
"<<PLACE_STRUCTURE>>"			
"PLAC"	smin	smax	"PLACE_NAME"
"PLAC:FORM"	0	1	"PLACE_HIERARCHY"
"PLAC:FONE"	0	999999	"PLACE_PHONETIC_VARIATION"
"PLAC:FONE:TYPE"	1	1	"PHONETIC_TYPE"
"PLAC:ROMN"	0	999999	"PLACE_ROMANIZED_VARIATION"
"PLAC:ROMN:TYPE"	1	1	"ROMANIZED_TYPE"
"PLAC:MAP"	0	1	"NULL"
"PLAC:MAP:LATT"	1	1	"PLACE_LATITUDE"
"PLAC:MAP:LONG"	1	1	"PLACE_LONGITUDE"
"PLAC:"	0	999999	"<<NOTE_STRUCTURE>>"
"PLAC:_POST"	0	999999	"POSTAL_CODE"
"PLAC:_POST:DATE"	0	1	"DATE_VALUE"
"PLAC:_FPOST"	0	999999	"FOKO_POSTCODE"
"PLAC:_MAIDENHEAD"	0	1	"MAIDENHEAD_LOCATOR"
"PLAC:_GOV"	0	1	"GOV_IDENTIFIER"
"_LOC:_FSTAE"	0	1	"FOKO_TERRITORY_IDENTIFIER"
"_LOC:_FCTRY"	0	1	"FOKO_STATE_IDENTIFIER"
"PLAC:_LOC"	0	1	"XREF"
"<<REPOSITORY_RECORD>>"			
"REPO"	smin	smax	"NULL"
"REPO:NAME"	1	1	"NAME_OF_REPOSITORY"
"REPO:"	0	1	"<<ADDRESS_STRUCTURE>>"
"REPO:"	0	999999	"<<NOTE_STRUCTURE>>"

Element	Min	Max	Inhalt
"REPO:REFN"	0	999999	"USER_REFERENCE_NUMBER"
"REPO:REFN:TYPE"	0	1	"USER_REFERENCE_TYPE"
"REPO:RIN"	0	1	"AUTOMATED_RECORD_ID"
"REPO:"	0	1	"<<CHANGE_DATE>>"
"REPO:_UID"	0	999999	"USER_ID"
"<<SOURCE_CITATION>>"			
"SOURX"	smin	smax	"XREF"
"SOURX:PAGE"	0	1	"WHERE_WITHIN_SOURCE"
"SOURX:EVEN"	0	1	"EVENT_TYPE_CITED_FROM"
"SOURX:EVEN:ROLE"	0	1	"ROLE_IN_EVENT"
"SOURX:DATA"	0	1	"NULL"
"SOURX:DATA:DATE"	0	1	"ENTRY_RECORDING_DATE"
"SOURX:DATA:TEXT"	0	999999	"TEXT_FROM_SOURCE"
"SOURX:DATA:TEXT:CONC"	0	999999	"TEXT_FROM_SOURCE"
"SOURX:DATA:TEXT:CONT"	0	999999	"TEXT_FROM_SOURCE"
"SOURX:"	0	999999	"<<MULTIMEDIA_LINK>>"
"SOURX:"	0	999999	"<<NOTE_STRUCTURE>>"
"SOURX:QUAY"	0	1	"CERTAINTY_ASSESSMENT"
"SOUR"	smin	smax	"SOURCE_DESCRIPTION"
"SOUR:CONC"	0	999999	"SOURCE_DESCRIPTION"
"SOUR:CONT"	0	999999	"SOURCE_DESCRIPTION"
"SOUR:TEXT"	0	999999	"TEXT_FROM_SOURCE"
"SOUR:TEXT:CONC"	0	999999	"TEXT_FROM_SOURCE"
"SOUR:TEXT:CONT"	0	999999	"TEXT_FROM_SOURCE"
"SOUR:"	0	999999	"<<MULTIMEDIA_LINK>>"
"SOUR:"	0	999999	"<<NOTE_STRUCTURE>>"
"SOUR:QUAY"	0	1	"CERTAINTY_ASSESSMENT"
"<<SOURCE_RECORD>>"			
"SOUR"	smin	smax	"NULL"
"SOUR:DATA"	0	1	"NULL"
"SOUR:DATA:EVEN"	0	999999	"EVENTS_RECORDED"
"SOUR:DATA:EVEN:DATE"	0	1	"DATE_PERIOD"
"SOUR:DATA:EVEN:PLAC"	0	1	"SOURCE_JURISDICTION_PLACE"
"SOUR:DATA:AGNC"	0	1	"RESPONSIBLE_AGENCY"



Element	Min	Max	Inhalt
"SOUR:DATA:"	0	999999	"<<NOTE_STRUCTURE>>"
"SOUR:AUTH"	0	1	"SOURCE_ORIGINATOR"
"SOUR:AUTH:CONT"	0	999999	"SOURCE_ORIGINATOR"
"SOUR:AUTH:CONC"	0	999999	"SOURCE_ORIGINATOR"
"SOUR:TITL"	0	1	"SOURCE_DESCRIPTIVE_TITLE"
"SOUR:TITL:CONT"	0	999999	"SOURCE_DESCRIPTIVE_TITLE"
"SOUR:TITL:CONC"	0	999999	"SOURCE_DESCRIPTIVE_TITLE"
"SOUR:ABBR"	0	1	"SOURCE_FILED_BY_ENTRY"
"SOUR:PUBL"	0	1	"SOURCE_PUBLICATION_FACTS"
"SOUR:PUBL:CONT"	0	999999	"SOURCE_PUBLICATION_FACTS"
"SOUR:PUBL:CONC"	0	999999	"SOURCE_PUBLICATION_FACTS"
"SOUR:TEXT"	0	1	"TEXT_FROM_SOURCE"
"SOUR:TEXT:CONT"	0	999999	"TEXT_FROM_SOURCE"
"SOUR:TEXT:CONC"	0	999999	"TEXT_FROM_SOURCE"
"SOUR:"	0	999999	"<<SOURCE_REPOSITORY_CITATION>>"
"SOUR:REFN"	0	999999	"USER_REFERENCE_NUMBER"
"SOUR:REFN:TYPE"	0	1	"USER_REFERENCE_TYPE"
"SOUR:RIN"	0	1	"AUTOMATED_RECORD_ID"
"SOUR:"	0	1	"<<CHANGE_DATE>>"
"SOUR:"	0	999999	"<<NOTE_STRUCTURE>>"
"SOUR:"	0	999999	"<<MULTIMEDIA_LINK>>"
"SOUR: _UID"	0	999999	"USER_ID"
<b>"&lt;&lt;SOURCE_REPOSITORY_CITATION&gt;&gt;"</b>			
"REPO"	smin	smax	"XREF"
"REPO:"	0	999999	"<<NOTE_STRUCTURE>>"
"REPO:CALN"	0	999999	"SOURCE_CALL_NUMBER"
"REPO:CALN:MEDI"	0	1	"SOURCE_MEDIA_TYPE"
<b>"&lt;&lt;SPOUSE_TO_FAMILY_LINK&gt;&gt;"</b>			
"FAMS"	smin	smax	"XREF"
"FAMS:"	0	999999	"<<NOTE_STRUCTURE>>"
<b>"&lt;&lt;_STATUS_STRUCTURE&gt;&gt;"</b>			
" _STAT"	smin	smax	"STATUS_TEXT"
" _STAT:DATE"	0	1	"DATE_VALUE"
" _STAT:"	0	1	"<<_PLACE_STRUCTURE>>"

Element	Min	Max	Inhalt
"_STAT:"	0	999999	"<<NOTE_STRUCTURE>>"
"_STAT:"	0	999999	"<<SOURCE_CITATION>>"
"<<SUBMISSION_RECORD>>"			
"SUBN"	smin	smax	"NULL"
"SUBN:SUBM"	0	1	"XREF"
"SUBN:FAMF"	0	1	"NAME_OF_FAMILY_FILE"
"SUBN:TEMP"	0	1	"TEMPLE_CODE"
"SUBN:ANCE"	0	1	"GENERATIONS_OF_ANCESTORS"
"SUBN:DESC"	0	1	"GENERATIONS_OF_DESCENDANTS"
"SUBN:ORDI"	0	1	"ORDINANCE_PROCESS_FLAG"
"SUBN:RIN"	0	1	"AUTOMATED_RECORD_ID"
"SUBN:"	0	999999	"<<NOTE_STRUCTURE>>"
"SUBN:"	0	1	"<<CHANGE_DATE>>"
"SUBN:_UID"	0	999999	"USER_ID"
"<<SUBMITTER_RECORD>>"			
"SUBM"	smin	smax	"NULL"
"SUBM:NAME"	1	1	"SUBMITTER_NAME"
"SUBM:"	0	999999	"<<ADDRESS_STRUCTURE>>"
"SUBM:"	0	999999	"<<MULTIMEDIA_LINK>>"
"SUBM:LANG"	0	3	"LANGUAGE_PREFERENCE"
"SUBM:RFN"	0	1	"SUBMITTER_REGISTERED_RFN"
"SUBM:RIN"	0	1	"AUTOMATED_RECORD_ID"
"SUBM:"	0	999999	"<<NOTE_STRUCTURE>>"
"SUBM:"	0	1	"<<CHANGE_DATE>>"
"SUBM:_UID"	0	999999	"USER_ID"

## Primitiven Elemente

Element	Inhalt
"ADDRESS_CITY"	".{1,60}"
"ADDRESS_COUNTRY"	".{1,60}"
"ADDRESS_EMAIL"	".{5,120}"
"ADDRESS_FAX"	".{1,60}"
"ADDRESS_LINE"	".{1,60}"
"ADDRESS_LINE1"	".{1,60}"
"ADDRESS_LINE2"	".{1,60}"
"ADDRESS_LINE3"	".{1,60}"
"ADDRESS_POSTAL_CODE"	".{1,10}"
"ADDRESS_STATE"	".{1,60}"
"ADDRESS_WEB_PAGE"	".{5,120}"
"ADOPTED_BY_WHICH_PARENT"	"(HUSB WIFE BOTH)"
"AGE_AT_EVENT"	"([<>?](CHILD INFANT STILLBORN ([0-9]+y)?\s*([0-9]+m)?\s*([0-9]+d)?)"
"ANCESTRAL_FILE_NUMBER"	".{1,12}"
"APPROVED_SYSTEM_ID"	".{1,20}"
"ATTRIBUTE_DESCRIPTOR"	".{1,90}"
"ATTRIBUTE_TYPE"	"(CAST EDUC NATI OCCU PROP RELI RESI TITL FACT)"
"AUTOMATED_RECORD_ID"	".{1,12}"
"CASTE_NAME"	".{1,90}"
"CAUSE_OF_EVENT"	".{1,90}"
"CERTAINTY_ASSESSMENT"	"[0-3]"
"CHANGE_DATE"	<DATE_EXACT>
"CHARACTER_SET"	"(ANSEL UTF-8 UNICODE ASCII)"
"CHILD_LINKAGE_STATUS"	"(challenged disproven proven)"
"COPYRIGHT_GEDCOM_FILE"	".{1,90}"
"COPYRIGHT_SOURCE_DATA"	".{1,90}"
"COUNT_OF_CHILDREN"	"[0-9]{1,3}"
"COUNT_OF_MARRIAGES"	"[0-9]{1,3}"
"DATE"	"(<DATE_GREG> <DATE_JULN> <DATE_HEBR> <DATE_FREN>)"
"DATE_APPROXIMATED"	"(ABT CAL EST) <DATE>"
"DATE_EXACT"	"(<DAY> <MONTH> <YEAR_GREG>)"
"DATE_FREN"	"(@#DFRENCH R@ ((<DAY> )?<MONTH_FREN> )?<YEAR_FREN>)"

"DATE_GREG"	"((@#DGREGORIAN@ )?(((<DAY> )?<MONTH> )?<YEAR_GREG> <YEAR>(B\C\)))"
"DATE_HEBR"	"(@#DHEBREW@ ((<DAY> )?<MONTH_HEBR> )?<YEAR>)"
"DATE_JULN"	"(@#DJULIAN@ (((<DAY> ?)<MONTH> ?)<YEAR> <YEAR>(B\C\)))"
"DATE_PERIOD"	"FROM <DATE> TO <DATE> FROM <DATE> TO <DATE>"
"DATE_PHRASE"	".{1,35}"
"DATE_RANGE"	"((BEF AFT) <DATE> BET <DATE> AND <DATE>)"
"DATE_VALUE"	"(<DATE> <DATE_PERIOD> <DATE_RANGE> <DATE_APPROXIMATED> INT <DATE>()*(<DATE_PHRASE> )((<DATE_PHRASE> ))"
"DATE_LDS_ORD"	<DATE_VALUE>
"DAY "	"(0?[1-9] [12][0-9] 30 31)"
"DESCRIPTIVE_TITLE"	".{1,248}"
"EVENT_ATTRIBUTE_TYPE"	"(<EVENT_TYPE_INDIVIDUAL>  <EVENT_TYPE_FAMILY > <ATTRIBUTE_TYPE>)"
"EVENT_DESCRIPTOR"	".{1,90}"
"EVENT_OR_FACT_CLASSIFICATION"	".{1,90}"
"ENTRY_RECORDING_DATE"	<DATE_VALUE>
"EVENT_TYPE_CITED_FROM"	<EVENT_ATTRIBUTE_TYPE>
"EVENT_TYPE_FAMILY"	"(ANUL CENS DIV DIVF ENGA MARR MARB MARC MARL MARS EVEN)"
"EVENT_TYPE_INDIVIDUAL"	"(ADOPT BIRT BAPM BARM BASM BLES BURI CENS CHR CHRA CONF CREM DEAT EMIG FCOM GRAD IMMI NATU ORDN RETI PROB WILL EVEN)"
"EVENTS_RECORDED"	"(<EVENT_ATTRIBUTE_TYPE>(\s*<EVENT_ATTRIBUTE_TYPE>)*)"
"FILE_NAME"	".{1,90}"
"GEDCOM_FORM"	"(LINEAGE-LINKED)"
"GEDCOM_CONTENT_DESCRIPTION"	".{1,248}"
"GENERATIONS_OF_ANCESTORS"	"([1-9][0-9]{0,3})?"
"GENERATIONS_OF_DESCENDANTS"	"([1-9][0-9]{0,3})?"
"LANGUAGE_ID"	"(Afrikaans Albanian Anglo-Saxon Catalan Catalan_Spn Czech Danish Dutch English Esperanto Estonian Faroese Finnish French German Hawaiian Hungarian Icelandic Indonesian Italian Latvian Lithuanian Navaho Norwegian Polish Portuguese Romanian Serbo_Croa Slovak Slovene Spanish Swedish Turkish Wendic Amharic Arabic Armenian Assamese Belorussian Bengali Braj Bulgarian Burmese Cantonese Church-Slavic Dogri Georgian Greek Gujarati Hebrew Hindi Japanese Kannada Khmer Konkani Korean Lahnda Lao Macedonian Maithili Malayalam Mandrin Manipuri Marathi Mewari Nepali Oriya Pahari Pali Panjabi Persian Prakrit Pusto Rajasthani Russian Sanskrit Serb Tagalog Tamil Tehugu Thai Tibetan Ukranian Urdu Vietnamese Yiddish)"
"LANGUAGE_OF_TEXT"	<LANGUAGE_ID>
"LANGUAGE_PREFERENCE"	<LANGUAGE_ID>
"LDS_BAPTISM_DATE_STATUS"	"(CHILD COMPLETED EXCLUDED PRE-1970 STILLBORN SUBMITTED UNCLEARED)"
"LDS_CHILD_SEALING_DATE_STATUS"	"(BIC COMPLETED EXCLUDED DNS PRE-1970 STILLBORN SUBMITTED UNCLEARED)"
"LDS_ENDOWMENT_DATE_STATUS"	"(CHILD COMPLETED EXCLUDED PRE-1970 STILLBORN SUBMITTED UNCLEARED)"
"LDS_SPOUSE_SEALING_DATE_STATUS"	"(CANCELED COMPLETED EXCLUDED DNS CAN PRE-1970 SUBMITTED

	UNCLEARED)"
"MONTH"	"(JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC)"
"MONTH_FREN"	"(VEND BRUM FRIM NIVO PLUV VENT GERM FLOR PRAI MESS THER FRUC COMP)"
"MONTH_HEBR"	"(TSH CSH KSL TVT SHV ADR ADS NSN IYR SVN TMZ AAV ELL)"
"MULTIMEDIA_FILE_REFN"	".{1,30}"
"MULTIMEDIA_FORMAT"	"(bmp gif jpg ole pcx tif wav)"
"NAME_OF_BUSINESS"	".{1,90}"
"NAME_OF_FAMILY_FILE"	".{1,120}"
"NAME_OF_PRODUCT"	".{1,90}"
"NAME_OF_REPOSITORY"	".{1,90}"
"NAME_OF_SOURCE_DATA"	".{1,90}"
"NAME_PERSONAL"	"(((<NAME_TEXT>)(<NAME_TEXT>)*/<NAME_TEXT>/( <NAME_TEXT >)*)"
"NAME_PHONETIC_VARIATION"	".{1,120}"
"NAME_PIECE"	".{1,90}"
"NAME_PIECE_GIVEN"	"(<NAME_PIECE>(, <NAME_PIECE>)*)"
"NAME_PIECE_NICKNAME"	"(<NAME_PIECE>(, <NAME_PIECE>)*)"
"NAME_PIECE_PREFIX"	"(<NAME_PIECE>(, <NAME_PIECE>)*)"
"NAME_PIECE_SUFFIX"	"(<NAME_PIECE>(, <NAME_PIECE>)*)"
"NAME_PIECE_SURNAME"	"(<NAME_PIECE>(, <NAME_PIECE>)*)"
"NAME_PIECE_SURNAME_PREFIX"	"(<NAME_PIECE>(, <NAME_PIECE>)*)"
"NAME_ROMANIZED_VARIATION"	".{1,120}"
"NAME_TEXT"	".{1,120}"
"NAME_TYPE"	"(aka birth immigrant maiden married . {5,30})"
"NATIONAL_ID_NUMBER"	".{1,30}"
"NATIONAL_OR_TRIBAL_ORIGIN"	".{1,120}"
"NOBILITY_TYPE_TITLE"	".{1,120}"
"NULL"	"^\$"
"OCCUPATION"	".{1,90}"
"ORDINANCE_PROCESS_FLAG"	"(no yes)"
"PEDIGREE_LINKAGE_TYPE"	"(adopted birth foster sealing)"
"PERMANENT_RECORD_FILE_NUMBER"	"(< REGISTERED_RESOURCE_IDENTIFIER>:< RECORD_IDENTIFIER >)"
"PHONE_NUMBER"	".{1,25}"
"PHONETIC_TYPE"	"(kana hangul . {5,30})"
"PHYSICAL_DESCRIPTION"	".{1,248}"
"PLACE_HIERARCHY"	".{1,120}"

"PLACE_LATITUDE"	"([NS][0-9]+(\.[0-9]*)?)"
"PLACE_LONGITUDE"	"([EW][0-9]+(\.[0-9]*)?)"
"PLACE_NAME"	"(<PLACE_TEXT>(, <PLACE_TEXT>)*)"
"PLACE_NAME_ADDITION"	<PLACE_NAME>
"PLACE_LIVING_ORDINANCE"	<PLACE_NAME>
"PLACE_PHONETIC_VARIATION"	".{1,120}"
"PLACE_ROMANIZED_VARIATION"	".{1,120}"
"PLACE_TEXT"	<TEXT>
"POSSESSIONS"	".{1,248}"
"PUBLICATION_DATE"	<DATE_EXACT>
"RECEIVING_SYSTEM_NAME"	"(ANSTFILE TempleReady . {1,20})"
"RECORD_IDENTIFIER"	"[^:]{1,18}"
"REGISTERED_RESOURCE_IDENTIFIER"	"[^:]{1,25}"
"RELATION_IS_DESCRIPTOR"	".{1,25}"
"RELIGIOUS_AFFILIATION"	".{1,90}"
"RESPONSIBLE_AGENCY"	".{1,120}"
"RESTRICTION_NOTICE"	"(confidential locked privacy)"
"ROLE_DESCRIPTOR"	".{1,25}"
"ROLE_IN_EVENT"	"(CHIL HUSB WIFE MOTH FATH SPOU (\(<ROLE_DESCRIPTOR>)))"
"ROMANIZED_TYPE"	"(pinyin ramanji wdegiles . {5,30})"
"SCHOLASTIC_ACHIEVEMENT"	".{1,248}"
"SEX_VALUE"	"[MFU]"
"SOCIAL_SECURITY_NUMBER"	"\d\d\d-\d\d-\d\d\d\d"
"SOURCE_CALL_NUMBER"	".{1,120}"
"SOURCE_DESCRIPTION"	".{1,248}"
"SOURCE_DESCRIPTIVE_TITLE"	".{1,248}"
"SOURCE_FILED_BY_ENTRY"	".{1,60}"
"SOURCE_JURISDICTION_PLACE"	<PLACE_NAME>
"SOURCE_MEDIA_TYPE"	"audio book card electronic fiche film magazine manuscript map newspaper photo tombstone video"
"SOURCE_ORIGINATOR"	".{1,248}"
"SOURCE_PUBLICATION_FACTS"	".{1,248}"
"SUBMITTER_NAME"	".{1,60}"
"SUBMITTER_REGISTERED_RFN"	".{1,30}"
"SUBMITTER_TEXT"	".{1,248}"
"TEMPLE_CODE"	".{4,5}"

"TEXT"	".{1,248}"
"TEXT_FROM_SOURCE"	<TEXT>
"TIME_VALUE"	"([01][0-9]2[0-3]):[0-5][0-9](:[0-5][0-9](\\.[0-9]+)?)?"
"TRANSMISSION_DATE"	<DATE_EXACT>
"USER_REFERENCE_NUMBER"	".{1,20}"
"USER_REFERENCE_TYPE"	".{1,40}"
"VERSION_NUMBER"	".{1,15}"
"WHERE_WITHIN_SOURCE"	<TEXT>
"XREF"	"@[^@]{1,22}@"
"YEAR"	"([0-9]{1,4})"
"YEAR_FREN"	"(0?[0-9]1[0-9])"
"YEAR_GREG"	"([0-9]{1,4}(\\V[0-9][0-9])?)?"

### ***Primitive Element, die nicht zum Gedcom Standard 5.5.1 gehören***

Element	Inhalt
"ABBREVIATION_OF_NAME"	
"ADMINISTRATIVE_IDENTIFIER"	
"DEMOGRAPHICAL_DATA"	
"FOKO_POSTCODE"	
"FOKO_POST_CODE"	
"FOKO_STATE_IDENTIFIER"	
"FOKO_TERRITORY_IDENTIFIER"	
"GOV_IDENTIFIER"	
"HIERARCHICAL_RELATIONSHIP"	
"MAIDENHEAD_LOCATOR"	
"PLACE_NAME_ADDITION"	
"POSTAL_CODE"	
"STATUS_TEXT"	"(NOT MARRIED NEVER MARRIED UNKNOWN . {1,248})"
"TYPE_OF_ABBREVIATION"	
"TYPE_OF_ADMINISTRATIVE_IDENTIFIER"	
"TYPE_OF_DEMOGRAPICAL_DATA"	
"TYPE_OF_LOCATION"	
"USER_ID"	