

– Gedcom –

Service Programs

User Guide

Part 1

- **Gedcom Start Center** V: 4.1.4
- Gedcom Conversion – in Part 2
- Gedcom Reduction – in Part 3
- **Gedcom Sorting** – in Part 7
- **Gedcom Structure Analysis** – in Part 7
- **Gedcom Renumbering** – in Part 7
- Gedcom Validation – in Part 4
- Gedcom Duplicate / Merge / Sync – in Part 5
- Gedcom Listings – in Part 6
- **GSP – Gedcom Profile Management** V: 4.1.1

Diedrich Hesmer
Haldenstr 24
ofb.hesmer@gmx.de
71083 Herrenberg

All changes to the previous version are colored

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1 Introduction

For review and manipulation of Gedcom files corresponding "Gedcom Service Programs" were developed. These are:

- Gedcom Start Center
allows start of all Gedcom Service Programs from a central point, as well as the activation of the license, copying the programs and system files to an USB stick and the selection of the language.
- Gedcom Sorting – described in part 7
allows a resorting of the ged-files. Various methods for sorting are available.
- Gedcom Structure Analysis – described in part 7
performs a structure analysis of the ged-file to figure out possible errors and specifics of the Gedcom export.
- Gedcom Renumbering – described in part 7
allows a renumbering of the INDI numbers followed by a resorting. Different methods are available.
- Gedcom Conversion – described in part 2
allows the modification of erroneous text and date values, changing of Gedcom tags, correction of certain Gedcom structures and the elimination of specific lines of the ged-file exported by various Genealogy programs.
- Gedcom Reduction – described in part 3
allows by selective extracting from any Gedcom file to build a new, reduced ged-file with the desired group persons and the new file will have the same structure than the original file. For this a selection of persons and places are available. For several persons the ancestors and/or descendants may be selected. Further options allow to control the volume of the new file. Partners, children, relations and media may be included at the transfer.
- Gedcom Validation – described in part 4
is used to validate the data of Gedcom files. Verification can be done for logical errors for the date values (e.g. birth after death resp. marriage) and other various potential problems as warning or error message
- Gedcom Duplicates / Merge / Sync – described in part 5
is used to verify duplicate entries and for merging resp. joining of duplicate persons. Verification can be done for
 - **single** Gedcom files for multiple occurrence of identical persons within the file (duplicates) or
 - for **two** Gedcom files for multiple occurrence of identical persons in both files (duplicates).
- Gedcom List – described in part 6
allows by selective extracting (persons, places, other parameter) from any Gedcom file to build lists and csv-files with data of the desired group of persons.
- GSP – Gedcom Profile Management
is used for the creation of "Gedcom Profiles" (gxpd-files) for the programs Gedcom List and Gedcom Reduction.

Some of these programs originally have been developed for the OFB program package. Therefor you will find various references to this package, the homepage and the User Guide.

1.1 Copyrights and License Conditions

The "Gedcom Service Programs" and all related files and documentation is shareware. The same copyright and license conditions are valid as defined in the *OFB User Guide*.

Without license the programs "Gedcom Conversion", "Gedcom Reduction", "Gedcom Sorting" and "Gedcom Structure Analysis" will run only the first 10 program starts using the full functionality. Thereafter no further program start is possible. For the "Gedcom Validation" only the first 20 errors of each group will be listed, for the comparison of duplicate persons only the first 5 pairs of persons will be listed for demonstration purpose and the storage of "No Duplicates" is not activated.

The full functionality of the programs will be activated by a "Gedcom Service Program" license or a bundled "OFB" license. The procedure for getting a license and their activation is available on the homepage at <http://ofb.hesmer.name> resp. at http://ofb.hesmer.name/gedserpro_e.html at menu item "Getting a License".

1.2 Support, Download & Installation

These information are available at the Homepage at <http://ofb.hesmer.name> and in the OFB User Guide.

1.3 Start of Program

By click of the corresponding button of the Gedcom Start Center or click on the shortcut icon at the place where they have been installed. Alternatively the File Conversion or the File Validation may be started by a double click on a gcsd-file or gvdsd-file. The same applies to the other programs.

1.3.1 Program start by command line

The program is designed that it can be started with command line parameters. Therefor it can also be processed by others programs or PowerShell batch files (see also my program *BatchRun* on the homepage under "GSP/OFB Utility").

The following call is required: *"control file with full path"[./q]*. Control files are those files that contain the contents of the screens, i.e. gcsd, gvdsd, gasd, ...

- The file specification must be enclosed in "".
- The "./q" command is optional and causes processing in the background so that a screen is only opened if errors or questions occur. Otherwise, the program ends automatically. Without this command, the program starts normally with the specified control file.

Example command line for Conversion: *"C:\0\group-gov-test2.gcsd./q*.

1.4 Gedcom Definitions

The Gedcom theme is a complex item. Therefor a base knowledge to a certain extent is required to use the program, especially for correct interpretation of the content of ged-files, especially for creating the Gedcom profiles for your genealogy programs. For a better understanding you will find an introduction and some follow on hints at the *OFB Service Program User Guide* section "Gedcom Profile".

1.4.1 Coding of the ged file

Coding – what's that?

The coding defines by which character set the Gedcom-file was created. The Gedcom Standard 5.5.1 defines among others:

- ASCII: Is the built-in binary code for representing characters in all PC's. ASCII was originally developed for communications and uses only seven bits per character, providing 128 combinations that include upper and lower case alphabetic letters, the numeric digits and special symbols such as the \$ and %. The first 32 characters are set aside for communications and printer control.
- ANSEL: An ANSI character set that supports diacritical marks for Latin-based foreign languages. It uses the additional 128 values provided by the eighth bit of the byte to store the diacritic for that character.
- UTF-8: A format in the Unicode coding system that uses from one to four bytes. When coding the English language, only one byte is used per character like regular ASCII encoding. It is able to represent any character in the Unicode standard, yet is backwards compatible with ASCII. For these reasons, it is steadily becoming the preferred encoding on the internet and for communication.

Beside these in the past ANSI became a "quasi-standard", which is not part of the Standard 5.5.1. The ANSI-standard character set defines 256 characters. The first 128 are ASCII, and the second 128 contain math and foreign language symbols, which are, based on the local settings, different on each PC.

The programs can process ASCII, ANSI, ANSEL and UTF-8 coded Gedcom files.

It is strongly recommended to use the UTF-8 encoding, if offered by the genealogy program, for exporting the ged-file.

Ged files conforming to GEDCOM Standard 7.x must always be UTF-8 encoded.

1.5 Files

1.5.1 Data files (ged/gdz)

ged file

All raw data are stored in "ged-files" (Gedcom file), to be provided by adequate genealogy programs (e.g. FTM, PAF). Please note, that only the character sets "ASCII", "ANSEL", "ANSI" and "UTF-8" will be processed correctly by the OFB. If you would like to look at the data, please use a normal text editor. Within the first 10-20 lines you'll find the information after the tag "1 CHAR ". Tags and Gedcom definitions are further described by the "Gedcom Profile User Guide".

Note: ged files corresponding to GEDCOM 7.x and higher are encoded in UTF-8 only. This info is no longer included within the HEAD record.

gdz file

The GEDZIP file format (gdz files) was introduced by GEDCOM 7.0. The gdz file is a zip archive and contains:

- An entry with one ged file named "gedcom.ged".
- An entry for each local media file referenced in gedcom.ged. Since the ged file and its local media files are located in the same zip archive, the corresponding FILE specifications are to be entered in the gedcom.ged without path specification.

Now the ged file and all local media files contained in it can be passed on to others together in one file.

1.5.2 Language files

The file "ged-xx.lng" contains all text of the program windows, the messages and the tooltips. This file can be translated to other languages. Before any change you should run a backup copy. Further details about structure and procedure for translations are described in the header of the file. The language files "ged-de.lng" and "ged-en.lng" will be installed by the setup program. If the file is missing during startup of any service program, an error message is provided and the program cancels. In this case the missing file has to be copied manually to the subdirectory "\lng" of the program folder.

1.5.3 Protocol- / Log file

A protocol- or error log file will be created by the programs described below. During reading the data file the date values will be checked for their usability. For ambiguous data an appropriate information will be put to the log file. If not otherwise stated, the log file will be stored in the folder where the ged-file is stored.

1.5.4 Folders for storing files

For security reasons those folders starting with "C:\Programme\" or "C:\Program Files\" and the program folder are not accepted for file writing operations. The following described Gedcom Service Programs are writing files in the folder of the Gedcom file (ged-file). Therefore it is not allowed, that the concerned ged-files are stored in those folders. In this case they have to be copied to another folder.

1.5.5 Processing of gdz files

GEDZIP files (*.gdz) are processed by all GSP programs except GSP Dupli/Merge/Sync. If a gdz file is loaded instead of a ged file, the following will occur immediately afterwards

- Creation of a folder "gdztmp" in the folder of the gdz file.
- Unpacking the gdz file into this folder.
- A check for the existence of only one ged file in this folder.
- The adjustment of internal variables.

After starting the GSP program the processing of the ged file is done as before.

If new ged files are created by the GSP program, the description of the procedure can be found in the corresponding manual.

1.6 Checking of DATE values

For **all** "Gedcom Service Programs", except the "Start-Center", "Conversion" and "Structure Analysis", following description is valid, as long as not otherwise stated in the separate User Guides. See also 4.1 Date Formats on page 19.

For comparison and calculation the DATE values will be checked for correct content. The check only will be done for the 1st date value, that means dates in the form FROM xxx TO yyy resp. BET xxx AND yyy will be cut off after the xxx. If for date range in the format "BET dat1 AND dat2" or "FROM dat1 TO dat2" in dat1 the year or month and year is missing, these are used from dat2 as a supplement. This is only possible with the standard format for dat1 and dat2 [DD] [Mon] YYYY. In addition to the Gedcom conform value German texts and numerical values in the following form will be accepted:

- **##.##.####** day.month.year where day, month and year may be 1 digit.
- **##.####** month.year where the month and year may be 1 digit.
- For year values in the form **###x**, where the x is any character used as replacement for an unknown year end value, the "x" will be replaced by "5" to allow a calculation.
- If offered as option, following values may be modified to allow a calculation:
 - If month and day is missing this can be changed to "01 JUL" as middle of the year.
 - If only day is missing this can be changed to "15" as middle of the month.
- The checking of months names and uncertainties will be done for the standard names and the German names according the description at the appendix 4.1 Date Formats.
- Date lines containing only free form text, typified by a completely bracketed text – Example: "2 DATE (Eastern 1920)", it will be tried to find a valid date. The result will be listed in the log-file as.: ... => 2 DATE (Eastern 1920) => Select: 1920.00.00.
- Date texts, where no date value could be found, will be stored as "0000.00.00". They will be marked by "##" in the log-file.
- For none-Gregorian date values and date values "before Christi" as years value "YYYYB.C."different processing will be done by the programs:
 - At "Structure Analysis" and "Conversion":
 - For none-Gregorian dates the DATE texts will be considered without any test as correct and therefor they will not be added to the log-file.
 - For B.C. resp. BCE dates the base structure will be tested.
 - For all other GSP programs they will be added to the log-file, NOT used for any sorting or calculation (value will be 0000.00.00), at output taken 1:1 unchanged.

2 Gedcom Start Center

2.1 Description

The Gedcom Start Center allows the start of all Gedcom Service programs from a central point. Also from here the license can be activated, a Gedcom Service program USB stick generated and the languages defined.

2.2 Main screen

After start of the program the following screen shows up.



Fig 2.1: Main screen Gedcom Start Center

The individual program starts after pushing the corresponding button. It's allowed to run multiple programs in parallel. Only the buttons of the installed programs are visible.

- **Info**
at the top right corner is a button. By pushing this an information screen opens showing the actual path for the program folder (here the Gedcom Service programs and basic files are stored), the data folder (here the ini files, license file and user guides are stored) and the stored licenses.
- **Update**
By this the availability of new program versions and modified User Guides at the homepage can be checked and the new versions downloaded to the local PC.
- **Settings**
Opens the Settings screen.
- **USB Transfer**
Opens the USB Transfer screen for creation of an Gedcom Service program USB Stick or any other storage media.
- **? (Help)**
Opens the User-Guide part 1 by the default pdf-viewer.
- **House**
Opens the GSP homepage by the browser.
- **Language**
By this another language can be selected via a selection screen. The selected language will be used for the screen and the output. Only language files with the name "ged-xx.lng" ("xx" are the nations

characters, e.g. "en" for English) are offered. The selected language file will be loaded, the nations flag used as background for the button and the name listed below the language button.

- **License**

By this the license information provided by license file attached to an email can be activated on the local PC. After pushing the button, the standard file load screen shows up and expects a file type of "ged-*.lic" (The license file attached to the email is named "ged-YourName.lic", whereas "YourName" usually is compiled from the name of the license owner. This file should be copied in a save folder.). After selection of the file their content will be transferred to the file "ged.lic" to be available for the Gedcom Service programs. Now the activation of the license is completed. The name of the license owner will be shown at the title bar.

- **Close**

Closes the program.

2.3 GSP Update Check

During every start of the program, before the Main Screen shows up, the program checks, if an update check is overdue. In this case the following screen shows up.

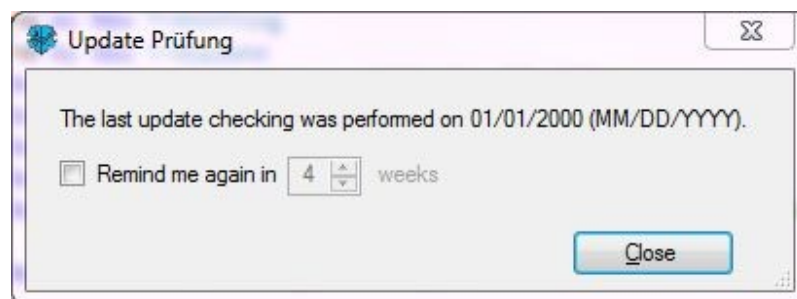


Abb 2.2: Screen for Update Check

The date of the last checking will be listed.

- By **Remind me again in** the number of weeks for the next checking can be defined.
- By **Close** the program returns to the Gedcom-Start screen.

Note: For the further process 3 cases are possible:

- If you would like to run an immediate update (by the "Update" button in the Main screen), the screen can be closed without any action.
- If you would like to run an update only after some time, activate the "Remind me ..." and select the number of weeks (1..99 allowed).
- If you would like to be reminded at the next start of the program, the screen can be closed without any action.

2.4 Settings

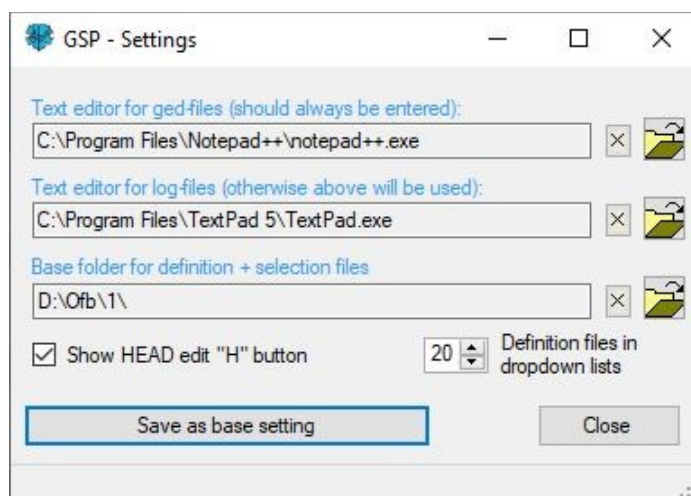


Fig 2.3: Screen for Base Settings

Here the base settings for the Gedcom Service Programs will be defined.

- By a text editor to open ged- and log-files may be selected. If no editor for log-files is defined, the ged-editor will be used. The button **X** will clear the field. In case this field is empty, the program linked to ged- resp. log-files will be used. This setting will be used by all Service programs.
- **Base folder for definition + selection files:** By a base folder for the dialog to open or save these files may be defined. From this folder the dialog will start. The button **X** will change to the default "C:\".
- **Show HEAD edit "H" button** will show the button "H" in the main screen next to the button for loading the ged file of the GSP programs and allows to display of the HEAD record of the loaded ged file in the browser.
- **Definition files in drop-down lists** allows to define the maximum numbers of definition files stored at the drop-down list for the various Service Programs. Values allowed: 10 .. 25.
- By **Save as base setting** the actual settings will be saved as base settings in the Gedcom data folder for later re-use.
- By **Close** the program returns to the Gedcom-Start screen. If data have been changed without saving, a confirmation screen pops up.

2.5 USB Transfer

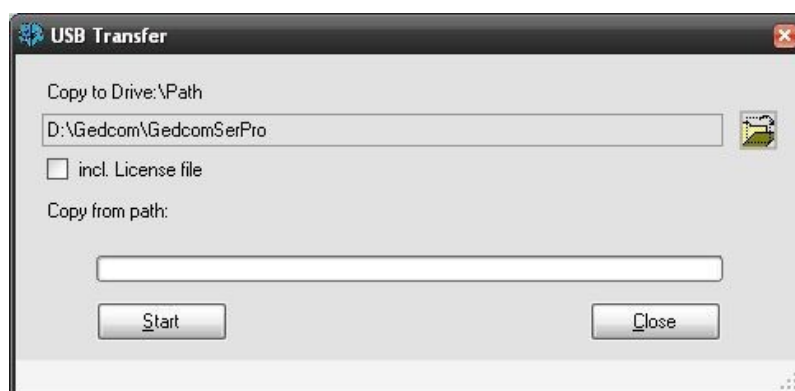


Fig 2.4: Screen for USB Stick creation

The screen supports the creation of an USB stick (or any other folder structure). The folder "GedcomSerPro" will be created and all required programs and files copied to this folder. The USB stick now may be carried to any PC meeting the system requirements and the "Gedcom Start Center" can be started.

- By a drive or path on the USB stick or any other storage media will be selected (at fig. "D:\Gedcom"). At this place a folder "GedcomSerPro" will be created. All programs and files will be copied to this folder.

- Selection of **incl. License file** also copies the file "ged.lic" to the folder.
Note: A transfer to third parties is NOT allowed according to the license conditions.
- By **Start** the copy process starts. The affected folders will be listed and the status shown at the progress bar.
- By **Close** the program returns to the Gedcom-Start screen.

Messages will be listed at the bottom bar of the screen.

2.6 Internet Update

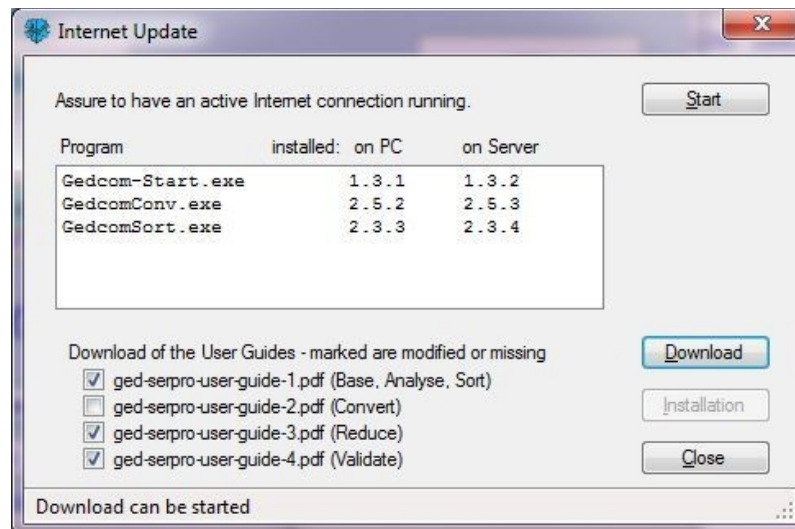


Fig2.5: Screen for Internet Update

This allows an automated Internet update. Before starting you have to assure an active Internet connection. After opening the screen is more or less empty.

- By **Start** the check for new updates at the server of the homepage will start. First it will be checked, if an Internet connection is existing. Assure that you are connected to the Internet. In case of a firewall you have to grant access rights for the program, if necessary. The process may need several seconds. In case of a red message at the lower area of the screen no Internet connection was available or the server is down for maintenance or the file containing the version information could not be found. Please wait a short time and try again. After successful check the results will be shown at the screen, as shown at the above figure. The modified User Guide will be checked automatically.
- In case new versions have been found or the User Guide is selected, by **Download** the download of the user guide and/or the installation file "gsp-setup.exe" can be started.
- In case a new installation file has been downloaded, by **Installation** the installation of the program starts. The update screen and the start center will be closed automatically. However if a message pops up, that the process couldn't start because the file is used by another program, most likely the virus scanner or firewall has blocked the file "gsp-setup.exe". The message screen allows a retry of the installation, but you have to release the file first or skip the update by the cancel button. You might download the file manually from the HP and start the installation by a double click.

2.7 Additional Buttons



Fig 2.6: Scheme additional buttons

Whenever programs of the groups "GSP Special" or "OFB/GSP Utility" are existing in the GSP program folder, the associated buttons will be shown in the lower area of the Start Center.

Further buttons for calling programs, pdf-, html- and other files, may be initiated by a manually created text file using a text editor. Create a text file "**_start-prog.txt**", UTF-8 coded if possible, and save it into the folder of the ini-files. This is the **Data folder** shown in the pop-up when pushing the **Info** button. The maximum allowed additional buttons is 18.

2.7.1 Setup of Text file "_start-prog.txt"

This file controls the position, the function and the appearance of the additional buttons. Comment lines, starting with //, may be included.

For each button 1 data line is required with the content

"Position;Text;FileCall;TextColor[;Font;BackgroundColor]"

3-5 semicolons are required.

- **Position**

of the button, 1..18, see below.

- **Text**

of the button, max 10-12 chars.

- **FileCall**

with complete path specification for exe, pdf, html, or other files. For files different than ".exe" the associated standard program will be started. The file call may be enclosed by "".

The path specification can be omitted if the program is in the GSP program folder, see "GedShow" in the sample file.

Internet file calls starting with "http" are accepted.

Example: "<https://gedcom.io/specifications/FamilySearchGEDCOMv7.pdf>"

An **extended file call**, only for exe program files, allows the additional call of a data file, which is opened directly in the program. For this purpose, a comma is required after the ".exe" and the data file specification with full path. In this case the whole FileCall should be enclosed by "". **Example:**

"GedShow.exe,C:\Ofb\1\paf\rieh\gedcom krasna_u_mpl.ged" starts GedShow with the specified data file.

- **Color**

will be defined by code values. If no code is defined (data line ends with 3rd semicolon), the default value *mediumblue* will be used. This also will be used for invalid codes. Valid codes are

b=*brown*, g=*green*, m=*magenta*, o=*olive*, r=*red*, k=*black*

- **Font**

will be defined by code values. If no code is defined (data line ends with 4th semicolon), the *normal* font will be used. This also will be used for invalid codes. Valid codes are

B=*bold*, I=*italic*, X=*both*

- **BackgroundColor**

will be defined by code values. If no code is defined (data line ends with 5th semicolon), the default value *Control* will be used. This also will be used for invalid codes. Valid codes are

b=*skyblue*, c=*cyan*, g=*gold*, l=*lime*, o=*orange*, p=*pink*, s=*silver*, y=*yellow*

A button only will be created, if the FileCall exists. Depending of the number of buttons the height of the screen will be adjusted. The positions of the buttons are

17

18

```

11 13 15 16 14 12
 5  7  9 10  8  6
 1  3      4  2

```

Buttons which are not assigned by the text file will be used by the "Special" and "Utility" programs found in the GedSerPro program folder resp. remain unused. This padding can be suppressed by a line with "X" at the first position (as comment in the example).

The **Sample file** for above schematic figure (all 18 positions used) looks like:

```

// Button definition - Start Center
1;BroKeep;C:\Program Files\Brother's Keeper 7\Bk7w.exe;o
2;GedRef;"C:\Ofb Projekt\Gedcom\Specs\gedcom-schnellreferenz.pdf";r
3;Legacy;"C:\Program Files\Legacy8\Legacy.exe";o
4;551;"C:\Ofb Projekt\Gedcom\Specs\gedcom-551-deutsch.pdf";r
5;FTM;"C:\Program Files\Family Tree Maker 2014.1\FTM.exe";o
6;GedShow;GedShow.exe;g
7;PAF;"C:\Program Files\FamilySearch\PAF5\pstart.exe";o
8;SourPers;SourPerson.exe;g
9;Ages!;"C:\Program Files\Ages\Ages.exe";o
10;DeleteFiFo;DeleteFiFo.exe;b
11;Chars2Utf8;Chars2Utf8.exe;
12;TagSrch;GedTagSearch.exe;g
13;ConvLvl2To1;ConvLvl2To1.exe;
14;BatchRun;BatchRun.exe;g
15;FindFile;FindFiles.exe;b
16;ModFile;ModFile.exe;b
17;SexHusbWife;CorSexHusbWife.exe;
18;PersonSrch;PersonSearch.exe;g
// X at 1st position = no padding

```

3 GSP – Gedcom Profile Management

3.1 Description

Gedcom files (ged-files) do not comply always to the Gedcom Standard. This program allows the definition of specialties of the structures of ged-files, exported by other programs. Corresponding gxpd-files will be created.

3.2 Files

3.2.1 Profile file (gxpd-file)

These files are storing all definitions of the program as described below for the genealogy program specific specialties for the respective data fields. The example files at the download area of the homepage may be used and modified according the personal needs. The gxpd-file is always UTF-8 coded.

Note: Normally due to the different definitions within the ged-file, for each genealogy program a separate gxpd-file is required.

These files will be required for the programs GSP-List and GSP-Reduction.

3.3 Main Screen

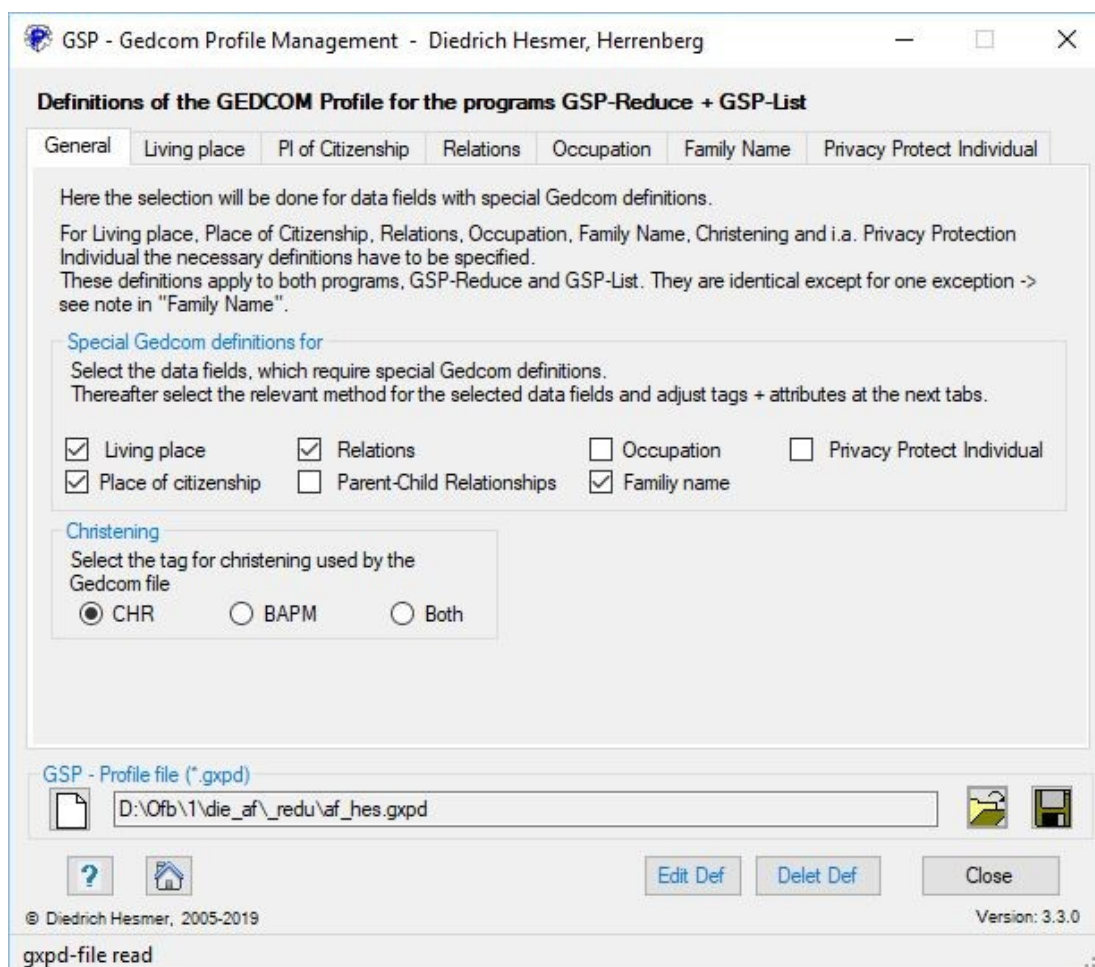






Fig 3.1: Main screen "GSP - Gedcom Profile"

After start of the program the main screen shows up. The name of the last loaded gxpd- file, if found in an ini-file, will be reloaded.

This screen has 7 tabs and allows the viewing and modification of the options and definitions.

Below of the tabs the gxp-file will be defined. Following buttons will support you:

- By the respective  a gxp-file will be loaded. Temporarily also the old glpd and grpd are accepted.
- By  a folder (e.g. "C:\Data\Gedcom\files\") and name for the Profile file will be defined and the file stored as "gxp-file".
- By  the respective data will be set to their initial value.
- Pushing  opens the user guide.
- Pushing the **house** opens the GSP homepage by the browser.
- By **Edit Def** a file with all active definitions will be created and loaded by the text-editor defined at the OFB resp. Gedcom Start Center at "Base settings". Alternatively the standard editor will be used.
- By **Del Def** the file with the active definitions will be deleted.
- Pushing **Close** exits the program and creates an ini-file containing the file names of the glsd files for later re-use. If data have been changed a confirmation dialog for data saving will pop up.

3.3.1 Tab "General"

To define the genealogy program specific options and definitions for reading and selecting the data of the ged-file.

- Select the required data elements at **Special Gedcom definitions for...** Only selected data elements will be activated for input in the tabs, and only the selected data elements will be analyzed, except for "Occupation": if not selected, the standard tag OCCU will be analyzed.
For each selected data field specify the required definitions in the following 6 tabs.
- **Christening:**
 - Select the tag, used by the genealogy program for the christening.

3.3.2 Tab "Living places"




Fig 3.2: Tab "Living places"

Living place will not be supported by all genealogy programs. No standard tag available.

- Enter the tag resp. attribute for the Living place according to the handling in the INDI data record of the genealogy program.

3.3.3 Tab "Place of Origin"

Fig 3.3: Tab "Place of Origin"

Place of Origin is an important parameter in Switzerland. However this will not be supported by all genealogy programs. No standard tag available.

- Enter the tag resp. attribute for the Place of Origin according to the handling in the INDI data record of the genealogy program.

3.3.4 Tab "Relations"

Fig 3.4: Tab "Relations"

Defines the handling of relations between 2 persons or FAM event and a person.

- **Tag 1 /2 ASSO** is according to the standard and will be used by most genealogy programs.
- For **User Tag with TYPE** the "1 BIRT / CHR / ..." stands for the events birth, christening, death, burial resp. marriage, divorce. The expression will also be processed, if the sub-tag TYPE is not available.
- **Tag 1 ASSO with _EVN** is intended to be used for the data from "Brothers Keeper" to process these relations.
- **Tag 1 ALIA** will be used for the link between 2 probable identical persons and the 2nd person is referenced by the tag. This option can be selected in addition to the others except with "1 Tag ASSO with _EVN".

3.3.5 Tab "Parent-Child Relations"

General Living place Pl of Citizenship Relations Occupation Family Name Privacy Protect Individual

Relations Parent-Child Relationships

By following grouping the parents will be divided into:
 "Prime Parents" are the biological parents (birth) and, if selected the uncertain relations.
 "Secondary Parents" are all further selected parents - uncertain relations, adoptive, foster, other parents.

Grouping of attribute texts - Terms

The attribute text xxx of adjacent Gedcom structures represents the type of relationship. The following terms are used for grouping (english + german):

- birth = birth, biological, natural, geburt, biologisch, natürlich, leiblich, ehelich + all FAMC resp. CHIL without the concerning level-2 tags
- uncertain = uncertain, unknown, question mark (?), unsicher, unbekannt
- adoption = adopted, adoptiert + Gedcom standard coded tag combination
- foster = foster, pflege

Gedcom Structures

```

0 @I12@ INDI
1 FAMC @F12@
2 PEDI/_FREL/_MREL xxx
0 @F12@ FAM
1 CHIL @I12@
2 PEDI/_FREL/_MREL xxx
2 ADOP
  
```

Additional terms to be used for group "..." - multiple separated by ";" - all in lower case

| birth | Prime parents | adoption | Secondary parents |
|-----------|-----------------|----------|-------------------|
| | | adoptè | |
| uncertain | Prime/Secondary | foster | Secondary parents |
| | | | |

All not defined terms will be collected in "others" and assigned to the "secondary parents".

Fig 3.5: Tab "Parent-Child Relations"

Defines the relations between parent and child for the tab "Person- & Data groups". These will be classified into 5 groups. The ged-file may have different structures, depending on the genealogy program. The allocation will be done by the tags PEDI, _FREL and _MREL and their attribute text. Several programs contain these tags as sub-tag of FAMC as part of the individual record, some others as sub-tag of CHIL as part of the family record. In addition the structure "1 CHIL" with "2 ADOP" and the standard Gedcom ADOP structure for adoption will be processed.

As attribute text "xxx" after the tag the system processes following default terms (english + german) for the 5 groups:

- **birth** = birth, biological, natural, geburt, biologisch, natürlich, leiblich, ehelich
- **uncertain** = uncertain, unknown, question mark (?), unsicher, unbekannt
- **adopted** = adopted, adoptiert (see 1st tab)
- **foster** = foster, pflege
- **others** = all others

Further terms, belonging to these groups, may be entered here, all in small letters and separated by semicolon (;).

The "?" button opens a screen with explanations, how the terms, used by the ged-file, can be determined.

These grouping also will be used for calculation of ancestors and descendents.

3.3.6 Tab "Occupation"

Fig 3.6: Tab "Occupation"

Defines the handling of occupations.

Occupation will be supported differently by several genealogy programs although the standard tag OCCU is available.

- Instead of using the standard tag "OCCU" a special definition can be made. Enter the attribute according to the handling in the INDI data record of the genealogy program.

3.3.7 Tab "Family Name"

Fig 3.7: Tab "Family Name"

Specifying the special definitions for "Family name" (after marriage) .

Family name will not be supported by all genealogy programs. No standard tag available.

- Enter the tag resp. attribute for the Family name according to the handling in the INDI data record of the genealogy program.

3.3.8 Tab "Privacy Protect Individual"

| General | Living place | PI of Citizenship | Relations | Occupation | Family Name | Privacy Protect Individual |
|--|--------------|-------------------|-----------|------------|-------------|----------------------------|
| <div> <div> User Tag 0 @I12@ INDI 1 _PPROT x </div> <div> Attribute 1 0 @I12@ INDI 1 EVEN DS-Individuell 2 PLAC x </div> <div> Attribute 2 0 @I12@ INDI 1 EVEN x 2 TYPE DS-Individuell </div> </div> | | | | | | |
| <div> <div> Enter user tag resp. attribute, as used in Gedcom file </div> <div> Attribute 3 0 @I12@ INDI 1 EVEN 2 TYPE DS-Individuell 2 PLAC x </div> <div> User Tag + Attribute 0 @I12@ INDI 1 _DIVERSES 2 T I TL DS-Individuell 2 NOTE x </div> </div> | | | | | | |
| <div> Selection of method <input checked="" type="radio"/> User Tag <input type="radio"/> Attribute 1 <input type="radio"/> Attribute 3 <input type="radio"/> Attribute 2 <input type="radio"/> User Tag + Attribute </div> | | | | | | |
| <p>"PP Individual" overrides the standard privacy protection for those persons, getting an individual agreement for publishing their data. 4 levels for strenght "x" of publication are available. For details see the Users Guide and the homepage.</p> | | | | | | |

Fig 3.8: Tab "Privacy Protect Individual"

Specifying the special definitions for Privacy Protection Individual.

No standard tag available.

- Enter the tag name resp. attribute for the strength level "x" according to the handling in the INDI data record of the genealogy program.

4 Appendix

4.1 Date Formats

Following date formats of the ged-file are accepted

According GEDCOM

DATE date

DATE prefix date

DATE prefix1 date1 prefix2 date2

Not according GEDCOM

DATE prefix11 prefix12 date1 prefix21 prefix 22 date2

DATE date1 / date2 will be changed to DATE BET date1 AND date2 for * ~ + = oo o|o
and to DATE FROM date1 TO date2 for all other events
DATE date1 - date2 an existing prefix will be applied too

Table 1: Date format

| | | |
|------------|--|--|
| date: | DD mon YYYY or mon YYYY or YYYY | |
| mon: | JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC | (independent of caps on/off) |
| DD: | 1 or 2 digits | |
| YYYY: | 3 or 4 digits | |
| prefix: | BEF , AFT , ABT , EST , CAL | before , , after , about , estimated , calculated |
| prefix1/2: | FROM TO , BET AND | from to , between and |
| prefix | INT 25 DEC 1900 (Christmas 1900) | interpreted date from some text phrase surrounded by (...) |

Table 2: Date coding – according GEDCOM

The following DATE formats of the ged-file are **not** according the Gedcom Specification. They will be accepted and correctly processed by most of the programs.

| | |
|--|---|
| ##.##.#### , ##.#### | 1 or 2 digits for day + month, 1 .. 4 digits for year, only dots as separator |
| MÄR MRZ MAI OKT DEZ | German abbreviations allowed |
| ab , ber , bis , ca , ca. , err , err. , geschätzt , nach , seit , um , und , ung , von , vor , zw , zw. , zwischen | German uncertainty texts allowed |
| Date1 / Date2 | FROM TO resp. BET AND |
| Date1 - Date2 | FROM TO resp. BET AND |

Table 3: Date formats+ coding – none GEDCOM

4.2 Conversion of the Special Alphabet-Characters

| | |
|---|---|
| "a" for "à" "á" "â" "ã" "ä" "å" "ä" "ä" | "A" for "À" "Á" "Â" "Ã" "Ä" "Å" "Ä" "Ä" |
| "ae" for "ä" "æ" | "Ae" for "Ä" "Æ" |
| "c" for "ç" "ć" "č" "ć" "č" | "C" for "Ç" "Ć" "Č" "Ć" "Č" |
| "d" for "ð" "đ" | "D" for "Ð" "Đ" |
| "e" for "è" "é" "ê" "ë" "ë" "ë" "ë" | "E" for "È" "É" "Ê" "Ë" "Ë" "Ë" "Ë" |
| "g" for "ğ" "ğ" "ğ" | "G" for "Ğ" "Ğ" "Ğ" |
| "h" for "h" "h" | "H" for "H" "H" |
| "i" for "ì" "í" "î" "ï" "ı" | "I" for "İ" "İ" "İ" "İ" "İ" |
| "j" for "j" "j" | "J" for "J" "J" |
| "l" for "l" "l" "l" | "L" for "L" "L" "L" |
| "n" for "ñ" "ñ" "ñ" | "N" for "Ñ" "Ñ" "Ñ" |
| "o" for "ò" "ó" "ô" "õ" "ø" | "O" for "Ò" "Ó" "Ô" "Õ" "Ø" |
| "oe" for "ö" "œ" | "Oe" for "Ö" "Æ" |
| "p" for "p" "p" | "P" for "P" "P" |
| "r" for "r" "r" | "R" for "R" "R" |
| "s" for "s" "s" "s" "s" | "S" for "S" "S" "S" "S" |
| "ss" for "ß" | |
| "t" for "t" "t" | "T" for "T" "T" |
| "u" for "ù" "ú" "û" "ü" "ü" | "U" for "U" "U" "U" "U" "U" |
| "ue" for "ü" | "Ue" for "Ü" |
| "y" for "ý" "ÿ" | "Y" for "Y" "Y" |
| "z" for "z" "z" "z" | "Z" for "Z" "Z" "Z" |

4.3 String Comparison

Compares a string against a pattern. The string is the data, the pattern is the search pattern.

If the value in string satisfies the pattern contained in pattern, result is **True**. If the string does not satisfy the pattern, result is **False**. If both string and pattern are empty strings, the result is **True**.

| Chars in pattern | Matches in string (data) |
|------------------|--------------------------------------|
| ? | any single character |
| * | zero or more characters |
| # | any single digit (0 – 9) |
| [charlist] | any single character in charlist |
| [!charlist] | any single character NOT in charlist |

Table 5: Characters for pattern comparison

The pattern-matching features allow you to match each character in string against a specific character, a wild card character, a character list, or a character range. The following table shows the characters allowed in pattern and what they match.

Character Lists:

- A group of one or more characters [charlist] enclosed in parentheses "[]" can be used to match any single character in string and can include almost any character code, including digits.
- An exclamation point "!" at the beginning of charlist means that a match is made if any character except the characters in charlist is found in string. When used outside parentheses, the exclamation point matches itself.

Special Characters

- To match the special characters left parenthesis "[", question mark "?", number sign "#", and asterisk "*", enclose them in parentheses [...]. The right parenthesis "]" cannot be used within a group to match itself, but it can be used outside a group as an individual character.
- The character sequence [] is considered a zero-length string "". However, it cannot be part of a character

list enclosed in parentheses.

Character Ranges

- By using a hyphen "-" to separate the lower and upper bounds of the range, charlist can specify a range of characters. For example, [A–Z] results in a match if the corresponding character position in string contains any character within the range A–Z, and [!H–L] results in a match if the corresponding character position contains any character outside the range H–L.
- When you specify a range of characters, they must appear in ascending sort order, that is, from lowest to highest. Thus, [A–Z] is a valid pattern, but [Z–A] is not.
- To specify multiple ranges for the same character position, put them within the same parentheses without delimiters. For example, [A–CX–Z] results in a match if the corresponding character position in string contains any character within either the range A–C or the range X–Z.
- A hyphen "-" can appear either at the beginning (after an exclamation point, if any) or at the end of charlist to match itself. In any other location, the hyphen identifies a range of characters delimited by the characters on either side of the hyphen.

4.4 Program Error

In case of a program error please check first if you are using the newest version of the OFB. If not, please install this version and repeat the analysis. If the failure still exists, proceed as follows:

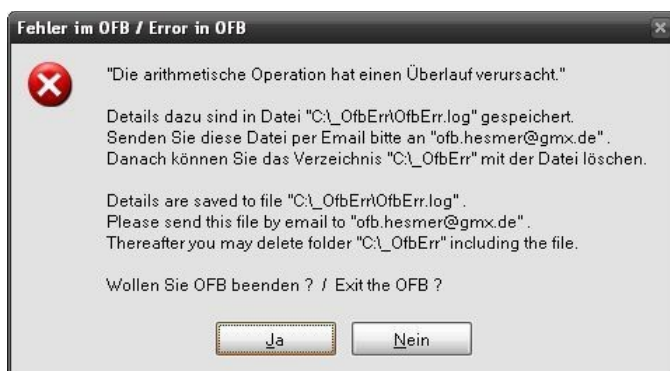


Fig 4.1: Message screen "unexpected error"

- In case an "unexpected error" occurs during processing, an error log will be automatically written to file "C:_GspErr\GspErr.log", the folder created and the message screen as shown in figure 4.1 pops up. Please send this file by email for failure analysis to ["ofb.hesmer@gmx.de"](mailto:ofb.hesmer@gmx.de). Also inform me about the OFB version used and all specialties which occurred during the last run, e.g. the message text at the status bar of the main screen. Thereafter you may delete the file and folder from your PC.
- You may exit the GSP program or try to continue processing.