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3 May 2000

Our ref: RHL/lsjh/bba_200300_itr

The Project

In accordance with the terms of reference dated 10 December 1998, we have completed the Banks' Data Matching Project ("the Project"). This report sets out the findings of the Project.

In essence the Project comprised:

- (a) Management and control of the conversion of the George Books records into computer format suitable for comparison; (as defined below);
- (b) Receiving Dormant Account records from the Banks and conversion into format suitable for comparison; (as defined below);
- (c) Comparison of the two types of records to identify those which match; and
- (d) Reporting of those matches to the BBA ("the Match List").

We understand that the Restore UK Panel intends to review the Match List with the intention of publishing a version of it containing identical information in respect of firms, but with family name and only first initial of individuals.

The George Books record 'enemy' assets seized and frozen by the UK Government during the World War II period. Banks have submitted their dormant accounts from the period.

A summarised explanation of the Project is attached as Appendix A.

A complete explanation of our approach to the Project is attached as Appendices B and C.

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The Process

Our work sought to match records in the George Books and the Banks' Dormant Accounts. In agreement with the British Bankers' Association Trading with the Enemy working party, comprising members of each of the relevant Banks ("the working party"), we categorised matches as follows:

- (a) Precise agreement between the relevant components of a name in the George Books and in the Banks' Dormant Accounts is referred to as a match; and
- (b) Near matches, where there is close similarity between the relevant components of a pair of names based on criteria agreed with the working party. Those criteria are set out in Appendix C to this report.

Where the two types of records match, it is an indication that the person/firm named in the records may have a claim to the funds in the relevant Dormant Account.

Inherent limitations in our work

George Books

The George Books are a hand-written record, compiled over 55 years ago. They are held at the Public Record Office and our inspection of them indicated the following:

- range of sequential record reference numbers 1 to 213,866;
- approximately 3,600 reference numbers for which no record can be found, e.g. pages missing or destroyed;
- approximately 1,400 records we considered to be illegible;
- approximately 2,800 reference numbers in respect of which there are two or more associated names ("multiple entries").

It is to be expected that at least some of the missing and illegible records refer to valid names, which have been excluded from the matching process. In addition, the existence of

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multiple entries means that there is no definitive control total of names which can be used to prove that all legible valid names have been entered for the matching process. We are unable to form any assessment as to how many of those names would match with Banks' Dormant Accounts.

Banks' Dormant Accounts

The participating banks, set out in Appendix B of the terms of reference, provided us with details of accounts, typically with a value in excess of £10, that they had identified which went dormant between 1935 and the date when the banks' records were computerised. We were not required to and have made no investigation as to the completeness or accuracy of those records and do not express any opinion in that regard.

Opinion

Subject to the limitations set out above, we have conducted the process described to compile the Match List. That list includes near matches as defined above, with the objective of minimising the risk that the name of a valid claimant is excluded.

PricewaterhouseCoopers

Birmingham, 3 May 2000

PricewaterhouseCoopers
3 May 2000

Overview of project

- (a) Management and control of the conversion of the George Books and Banks' Dormant Account records into computer format suitable for comparison;
 - (i) Requesting Public Record Office to supply photocopies of the George Books. These records contain names and other data;
 - (ii) Designing and managing a process to convert the George Books photocopies into data file format. This process involves two independent data input firms performing visual recognition and key punching, which carries the risk of error;
 - (iii) Comparing the two versions of the input records to identify those names which are and are not identical (excluding punctuation and spaces). The existence of non-identical versions of the records implies a punching error;
 - (iv) Instructing one bureau to re-perform the input of the records for which there are non-identical versions;
 - (v) Identifying any records for which there is no identical pair within the three versions;
 - (vi) Creating a master George Books list containing the records for which there are identical versions from processes (iii) and (v), together with all three versions of a record, where no identical pair existed. This was done in order to minimise the risk that a name would be excluded from comparison with the Banks' data, purely because of a punching error; and
 - (vii) Receiving Bank Dormant Accounts data files and converting them to a suitable format for comparison.
- (b) Comparison of the two types of records to identify those which match;
 - (i) For each record in the George Books and Bank data files, separating the strings of characters into component words;
 - (ii) Devising a computer process to identify from the component word, names which are suitable for comparison, for example, for individuals, First Name, Middle Name and Family Name; and
 - (iii) Application of a series of detailed processes, designed to compensate for errors which may have arisen when both types of records were originally created. Any such errors could cause a valid match not to be identified. The consequence of the

application of these processes was to increase the prospect of a match, rather than reduce it.

- (c) Reporting of these matches to the BBA ("the Match List");
 - (i) Consolidating the matched items identified above in to a master list for each Bank; and
 - (ii) Producing diskettes containing the matched items for each Bank.
- (d) Project deliverables;

To the BBA;

- (i) Hardcopy "Match Lists" for each bank to be supplied with the summary report;
- (ii) Computerised version of the "Match Lists" relevant to each Bank, in database format;
- (iii) Computerised version of George Books as used for matching with the Banks' data, in database format;
- (iv) Computerised version of list showing surname and first initial of George Books records that have matched to any Bank's data; and
- (v) Photocopies of the George Books.

To each Bank;

- (i) Computerised version of "Match List" relevant to that Bank on diskette; and
- (ii) Computerised version of George Books records that match only with that Bank's data.

"George Books" interpretation rules

This document sets out the rules proposed to and agreed by the working party with respect to the intended data matching process.

Background

The George Books were written up during the period 1939 to 1945. They are hand written and contain approximately 214,000 entries. Each entry represents the name of a person, a number of apparently related persons or a firm. Associated with each entry are a unique reference and a country code.

These entries are to be used as the basis of a computerised file. That computerised file will be used to identify matches with records of dormant bank accounts held by UK banks.

The creation of the electronic file requires that the data is structured to reflect the entries made in the George Books. In addition, that structure must be adequate to allow the data to be interpreted correctly during the matching process. Therefore, those entries must be analysed and recorded within the following fields:

- (a) Reference number;
- (b) Complete name as entered into George Books;
- (c) Name of person; split into:
 - (i) Prefix/title;
 - (ii) First name;
 - (iii) Last name;
 - (iv) Middle name;
 - (v) Other middle names;
 - (vi) Maiden name; and
 - (vii) Suffix.
- (d) Name of firm;
- (e) Country code;
- (f) Comments;
- (g) Destroyed flag;
- (h) Finished flag; and
- (i) Crossed flag.

This paper describes the method by which the information in the George Books will be allocated to the fields described above.

The method for creating the electronic version of the George Books is attached as Appendix G.

Reference number

The George Books reference numbers run from 1 to 213866. There are a number of pages missing from the copy of the George Books obtained from the Public Record Office (PRO). In addition, a number of entries in the book have been crossed out or are blank.

A complete analysis of the number of missing and illegible entries is attached as Appendix F.

Rule - Coding of reference numbers (1 to 213866)

Multiple entries for a single reference number will be entered as separate records, assigned to that single reference number, but given numeric suffix to identify the multiple entries (i.e. 1234.001, 1234.002 for the entries under reference 1234)

Rule - Items crossed out in the George Books

Crossed out names will be entered to the extent that the names can be read.

Rule - Blank references

Blank references will be entered on to the George Books database, but name information will not be entered.

Action - Missing reference numbers

PwC visited the PRO to examine the originals of the George Books to determine whether the missing reference numbers could be obtained, for example, where they had been caused by incomplete photocopying. Where this was possible, the relevant records have been included.

Name – firm v person

To allow a name to be treated appropriately for matching, it must be determined whether the name is that of a firm or a person. The names of persons and companies are not distinguished in the book.

Each key word has been classed as a primary identifier or a secondary identifier.

A full list of the names that we have identified is attached as Appendix D.

This list contains obvious examples of firm identifiers that we have identified. It is likely that there are more firm identifiers within the George Books. An explanation of the effect of a firm name not being identified by this method is explained in the document "Data Matching Rules", section 3 of this report.

Note 1: Where a record name includes “and” or “und” or “&” or “+” in between two names, the name is assumed to be a firm.

Rule - Firm v person

Where a name includes any of the key words identified above, the name will be treated as a firm name and matched on that basis. However, primary identifiers will be excluded from the match:

- (c) GLITTEN BERG GMBH GEBR is held as GLITTEN BERG

Name of person

The names of persons appear to be written in the following order:

- (a) Last name
- (b) First names and middle names

Prefixes and Titles are interspersed within the text.

In addition, entries can be multiple names:

- (a) LIEBER MRS CLARA &/OR LIEBER MISS G
- (b) BRACQ LEON & BRACQ GABRIELLE

Rule - Title/Prefix

Titles and prefixes will be identified using a look-up table of known titles and prefixes. They will be stored separately in a Prefix field and used for reporting purposes only. They will not be used as a match field during matching. The reporting will be used to help with the manual review of any matches reported.

A full list of titles and prefixes is attached as Appendix D.

Rule - Last name

The last name is always the first element in the name. However, the last name may comprise of a number of separate words. This occurs for hyphenated names and names preceded with “Von” etc. In these cases, the last name will be made up of more than one word. Words such as “Von” are described as link names and will not be used for the purposes of matching (i.e. “Van Damme” will be treated as “Damme” for the purposes of matching the last name).

A full list of the link names is attached as Appendix D.

Rule - First name and middle names

The first name is either:

- (a) The name element that follows the last name; or
- (b) The name element that follows the title/prefix (see above).

The middle names are all names that follow the first name.

Rule - Multiple names

Multiple names will be identified using a look up table of multiple name indicators (i.e. “and”, “&”, “und”). The name elements on either side of the multiple name indicator will be used to generate individual names.

A full list of the multiple name indicators identified is attached as Appendix D.

Country code

The country code is either on the left, right or both sides of the name entry. It is a one, two or three character code.

A full list of the country codes is attached as Appendix E.

The country names listed in Appendix E are based on discussions during the Working Party meetings. We attempted to get a precise definition of the country codes, including speaking to Chris Van Beck, Secretariat of the Enemy Property Claims Assessment Panel, but were unable to identify a definitive list of the country codes.

Rule - Country codes

Country codes will be ignored for matching purposes, but will be available to help with the manual review of any matches reported.

Comments

There are comments throughout the George Books. The following are examples of the type noted from the initial review:

- (a) SEE 122 (example reference 22)
- (b) CANCELLED (example reference 281)

General

There are a number of general data issues, being:

- (a) Items underlined

- (b) Punctuation –commas, full stops etc (example reference 7)
- (c) Names above others (example reference 291 / 292)
- (d) Entries marked as “Destroyed” (example reference 100000)

Rule - Items underlined

Underlined words will be entered in to the George Books database without the underline.

Rule - Punctuation – commas, full stops etc

All punctuation will be included. The names should be entered in the same style as they are shown in the George Books. For matching purposes, the punctuation will be ignored.

Rule – Punctuation – brackets

All words in brackets will be stored as a suffix.

Rule - Names above others

Where a name has been entered which takes up more than one line, it will be entered as a single name in the George Books database. Typically the extra lines are above the original line.

Rule - Names identified as “Deceased”

Where a name is flagged as Deceased (typically it included “Dec’d”), it will be flagged as such on the database in the Suffix field.

Data matching rules

Notation used in this document

Prior to name refinement

The original names from the George Books are referred to as N_G .

The original names from the Bank data files are referred to as N_B .

After name refinement

Person names from the George Books are referred to as P_G .

Person names from the Bank data files are referred to as P_B .

Firm names from the George Books are referred to as F_G .

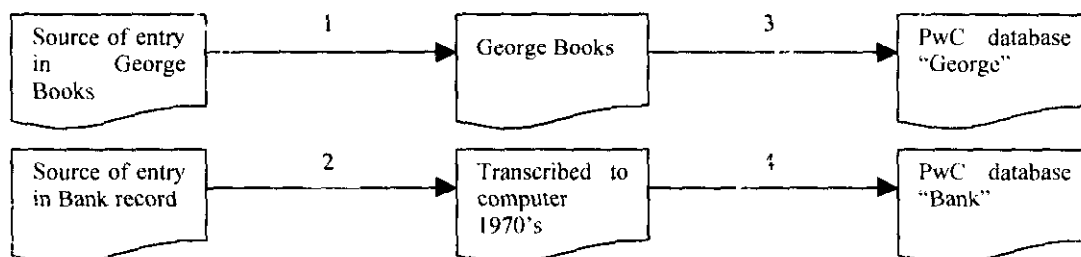
Firm names from the Bank data files are referred to as F_B .

Background

This document explains the basis on which the name data supplied by the Banks has been matched to the information contained in the George Books (George). It covers both the process of preparing the names for matching and the matching process itself.

It is relatively straightforward to identify matches between the George records and the Bank records if the names both contain the same information.

However, in creating the George and Bank records, there have been numerous opportunities for error, for example:



Quality control over processes 1 and 2 are unknown.

Quality control over processes 3 and 4 is described in this report. It is rigorous and presents low risk that records which should match, fail to match.

If there have been no transcription errors in any of the processes, the name of a person, N which becomes N_G in the George Book and N_B in the bank record, will retain its integrity.

When the George and Bank databases are compared, N_G and N_B will be reported as a match.

However, if there have been minor transcription errors there will cease to be a precise match between N_G and N_B . We have introduced processes, for example the use of Soundex and refining match techniques, which improve the chance that N_G will be reported as an approximate match to N_B . Conversely, these processes increase the risk that different names A and B may be erroneously reported as potential matches when A_G is compared with B_B .

If there have been significant or multiple transcription errors, the risk increases that what should be reported as a match is not reported.

Soundex techniques are used to represent the George and Bank names in a phonetic format. This enables words that are not spelt the same way, but sound the same when spoken, to be matched. Three types of soundex routines are used:

- (a) C soundex – standard Western names numeric soundex;
- (b) PwC soundex – tailored phonetic letter based soundex;
- (c) Daitch-Mokotoff soundex – Jewish names based numeric soundex.

A description of the soundex types used is attached as Appendix H.

Three different soundex types are used to enhance the prospect that a pair of names, when compared will be reported as a match, if they appear to be similar. This is the method we have adopted to define what “appear to be similar” means.

The Daitch-Mokotoff soundex is written specifically for Jewish and Yiddish names, but it may not be valid when dealing with European names. Therefore, the other two soundexes, when used in conjunction, reduce the risk that close but not exact matches will not be identified.

By using soundex techniques, the number of matches is maximised rather than minimised when compared to matches based on exact matches of names.

The original data supplied was not changed. The following refinements were applied to copies of the names and it was these copies that were used to identify the matches.

Preparing the names for matching – George names

The names in the George records were entered in to a defined database by the bureaux. The names were entered as a single string of characters, including spaces, to remove the need for the bureaux to interpret whether each element of the name was a first name, last name, middle name, etc.

To allow those character strings to be matched against names provided by the Banks, the strings had to be split up in to their component parts. The parts are:

For persons names:

- (a) First name
- (b) Middle names
- (c) Last name
- (d) Prefix (Mr, Mrs etc)
- (e) Suffix (Deceased, names in brackets)
- (f) Soundex codes for first name
- (g) Soundex codes for middle names
- (h) Soundex codes for last name (excluding "Link" names – Van, De)

For firm names:

- (a) Firm name
- (b) Soundex codes for firm name (excluding "Firm" (primary) identifiers – Co, SA, etc.)

The method used to split the names and to determine whether they represent a person or a firm is described in the "George Book Interpretation Rules" document.

A flow chart detailing the stages in preparing the data ready for matching is attached as Appendix I.

Preparing the names for matching – Bank record names

The data supplied by the Banks varied. Some banks provided names split into their component parts while others provided name records that were not split. Where the names were split into component parts, the names were merged together and processed using the same rules used for splitting the George records, as described above.

The result was that all Bank names were split in to the same component parts as the George records.

Additional name preparation prior to matching

Rule – Abbreviations and foreign firm identifiers

There are a number of abbreviations used within the data. Where identified, the abbreviations are replaced with the full word equivalent prior to comparison. For example:

- (a) VON SALZMAN CAPT E will be changed to SALZMAN CAPTAIN E

Additionally, there are numerous spellings of the same firm identifier depending on the language of the country of origin. Where identified, the foreign spellings are replaced by the English equivalent word prior to matching. For example:

- (b) SOCIETE GRAPHIQUE is changed to SOCIETY GRAPHIQUE

Only identified examples of abbreviations and firm identifiers are replaced. There could be other abbreviations that we have not identified.

The complete list of equivalent words is attached as Appendix D.

Removal of multiple letters

All multiple adjacent similar letters will be represented by one single letter. For example:

HIOFFMAN is changed to HOFMAN

Foreign combinations of characters

Vowels can be represented in a number of ways depending on the country of origin, in particular Germany and France, using accents and combinations of two vowels, e.g. UE, AE and OE. In all cases these are converted to English vowels via the removal of accents, UE = U, AE = A and OE = O.

The modifications to the names detailed in the previous three sections will not decrease the number of reported matches. In fact, additional matches will be produced. For example:

George Book name	Bank Name
GEORGES HOFFMAN	GEORGES HOFFMAN
GEORGES HOFFMAN	GEORGES HOFMAN

In this example, there will be two matches from the George book. If the multiple letters had not been removed, only one match would be generated, reducing the likelihood of identifying the mis-transcribed second Bank name.

“Anonymous” names

The following words are removed from the name prior to the comparison:
“ANON”, “ANONYME”, “ANONYMOUS”

“Admin” accounts

The following words/phrases are removed from the name prior to the comparison:
“ADMIN OF”, “ADMINS OF”, “ADMINISTRATIX OF”, “ADMINISTRATORS OF”,
“ADMIN”, “ADMIX”, “ADMOR”

“Short” accounts

The following phrases are removed from the name prior to the comparison:
“SHORT A/C”, “SHORT ACCT”

“Anor” accounts

The following phrase is removed from the bank data files only:

“& ANOR”

If this appears, it seems that it always occurs at the end of the bank names and, therefore, is safe to remove without corrupting the name.

However, the phrase can appear anywhere within the George Book name, e.g. it could be the second, third or fourth name. Therefore, removing it would corrupt the remaining names as it would have the effect of concatenating two names together (because the “&” is removed).

The solution is to remove any individual “ANOR” words from both the bank and George Book data files. Therefore, the “&” is kept for a George Book record to ensure multiple names are not lost.

Executor accounts

Executor accounts are identified and any names following are used to create a new match record. Therefore, the name before the word “EXOR” and the name following are both used as separate records.

The following words/phrases are replaced with the word “EXOR”:

“EXECUTORS OF”, “EXORS OF”, “EXOR OF”

&/OR accounts

The phrase “& OR” is replaced with “&”

“RE” accounts

“RE” accounts are identified and any names following are used to create a new match record. Therefore, the name before the word “RE” and the name following are both used as separate records.

Excluded words

The following words are removed from the name prior to the comparison:

“M/S”, “S/E”, “EXTERNAL”, “SETT”, “RECVR”

These stand for “Marriage Settlement”, “Settled Estate”, “External”, “Settlement” and “Receiver” respectively.

Matching

Matches fall into two categories:

- (a) Exact match – where the matched components of the name match exactly.
For example:

George Book name	Bank Name
John Richard Smith	John Richard Smith

- (b) Soundex match – where the matched components of the name match in terms of having the same phonetic structure (defined using soundex code equivalents of the matched name components). For example.

George Book name	Bank Name
Jon Richard Smyth	John Richard Smith

Matches are determined using the following rules:

Firm

- (e) Exact match - If a Bank firm name (F_B) matches to a George Book firm name (F_G).

George Book name	Bank Name
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SANDERS ACCOUNTANCY	SANDERS ACCOUNTANCY
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- (b) Soundex match - If a soundex code of a Bank firm name (F_B) matches to a soundex code of a George Book firm name (F_G).

George Book name	Bank Name
-------------------------	------------------

BAUR ACCOUNTANTS	BURR ACCOUNTANTS
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Note: Primary firm identifiers, such as CO, ASSOCIATES, etc., are removed from the firm name prior to an exact match or soundex match being completed. The full list of primary and secondary firm identifiers is described in Appendix D.

Person

- (a) Exact match - If the first name, first middle name and last name from the Bank name (P_B) match to the first name, first middle name and last name from the George Book (P_G).
- (f) Soundex match - If the soundex equivalent of the first name, soundex equivalent of the first middle name and soundex equivalent of the last name from the Bank name (P_B) match to the soundex equivalent of the first name, soundex equivalent of the first middle name and the soundex equivalent of the last name from the George Book (P_G).

Note: Where either the George name or the Bank name has an initial only instead of a full first name, that initial is matched to the first letter of the other name. For example:

George Book name	Bank Name
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J Smyth	John Smith
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And

Jon Smyth	J Smith
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The same applies to initials for middle names. For example:

George Book name	Bank Name
Jon F Smyth	Jon Fred Smith
And	
Jon Fred Smyth	Jon F Smith

Match ranking

Matches are ranked in to four levels. Level 4 is the highest level of match and level 1 is the lowest level of match.

There are four types of match:

- (a) Exact match;
- (b) PwC soundex match;
- (c) DM soundex match; and
- (d) C soundex match.

Each type of match, for example, PwC soundex match, scores a 1 if the PwC soundex code derived from N_G agrees to the PwC soundex code derived from N_B . Each of the four types of match is scored in the same way.

The match level is then calculated by summing the scores for each pair of names compared.

For example, if a George record matches to a bank record using the PwC soundex, a score of 1 is recorded for the PwC type of match. If the same George name matches to the same bank name using the DM soundex, a score of 1 is recorded for the DM type of match. If the C soundex type match and exact type match do not agree, these two types are scored as 0. Summing these scores give a total of 2, thus we have a level 2 match between the George record and the bank record in question.

Level 4 match

The George record and Bank record match exactly.

This means that all four of the match types agree between the George record and the bank record.

The testing that we have done shows that if there is an exact match then the three different soundex types have also matched.

Level 3 match

All three soundex types match. Level 3 matches imply that the records are a close match, but are not exactly the same. What we defined above is a “fuzzy” match.

For example, a George record matches to a bank account record on all three soundex types (DM, PwC and C). However, the names are not exactly the same so we have a level 3 match.

Level 2 match

Two of the three soundex types match.

Such a match can be reported for any combination of the three different types of soundex.

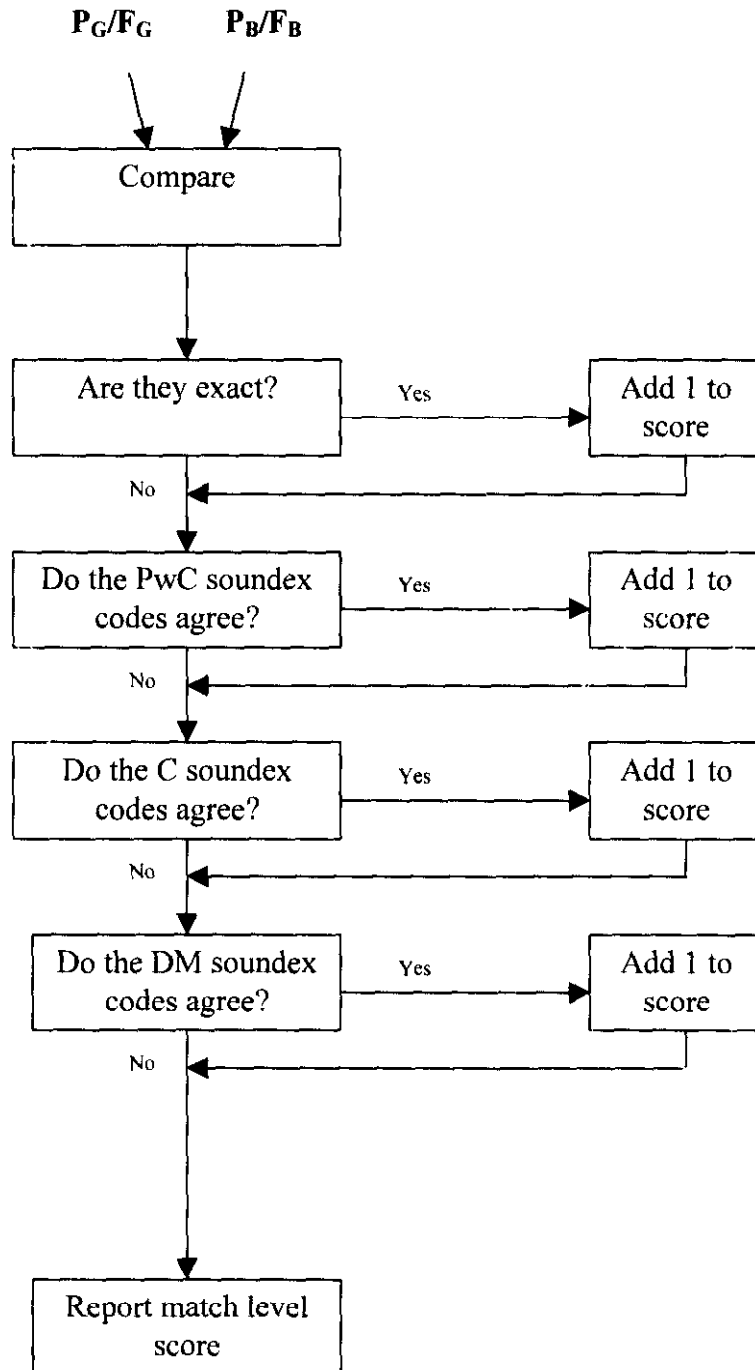
Level 1 match

This is the lowest level of match possible.

This occurs when only one of the soundex types match.

For example, a George record’s DM type soundex match field agrees to a DM type soundex match field on the bank record, but the PwC and C “soundexes” do not match.

Match ranking process flow for Person/Firm matching



Word	Equivalent word
Abbreviations	
WM	WILLIAM
Primary firm identifiers	
INTERNATIONALE AG	INTERNATIONAL
ASSOCIATION	ASSOCIATION
ASSOC	ASSOCIATION
ASSOCIAZIONE	ASSOCIATION
ASSOCIARION	ASSOCIATION
ASSOCIATE	
ASSOCIATED	
ASSOCIATION	ASSOCIATION
ASSOCIAZIONE	ASSOCIATION
ASSOCN	ASSOCIATION
ASSOCIATION	ASSOCIATION
ASSOCIATION	ASSOCIATION
ASSTN	ASSOCIATION
BROS	BROTHERS
BROTHERS	
BRUDER	
CIE	BROTHERS
CO	COMPANY
CO-	COMPANY
COMPAGNA	
COMPAGNE	
COMPAGNET	
COMPAGNI	
COMPAGNIA	
COMPAGNIE	
COMPAGNIE-BELTIC	
COMPAGNIES	
COMPAGNIET	
COMPAGNIG	
COMPAHNI	
COMPAIGNE	
COMPANCNIE	
COMPANIA	
COMPANIE	
COMPANIES	
COMPANY	
CONSOLIDATED	
CONSTITUTED	
CONSTITUTION	

Word	Equivalent word
CONSTONTINE	
CORP	CORPORATION
CORPORATION	
CORPORATIONS	
CORPORATIVE	
CORPORATIVI	
CORPORAZIONI	
CORPS	
CORPTN	
GEBR	BROTHERS
GEBRODER	BROTHERS
GEBROEDER	BROTHERS
GEBROEDERS	BROTHERS
GEBRS	BROTHERS
GEBRU	BROTHERS
GEBRUBER	BROTHERS
GEBRUDEN	BROTHERS
GEBRUDER	BROTHERS
GEBRUEDER	BROTHERS
GEBRUEDERS	BROTHERS
GEBRUNDER	BROTHERS
GIBROEDERS	BROTHERS
GMBH	GMBH
INCORPORATED	
LIMITADA	LIMITED
LIMITASA	LIMITED
LIMITED	LIMITED
LIMITEE	LIMITED
LTD	LIMITED
MESRS	
MESSERS	
MESSR	
MESSRS	
MRSSRS	
MSSR	
MSSRS	
SA	
SOHN	SON
SOHNE	SON
SON	
SONS	SON

Secondary firm identifiers

ACADEMIA
ACADEMIC
ACADEMIE

Word	Equivalent word
ACADEMY	
ACCEDEMIA	
ACCESSORIES	
ACCIDENT	
ACCIDENTS	
ACCIDENTS-BELGIQUE	
ACCOMANDITA	
ACCOMANDITE	
ACCOUNT	
ACCOUNTANCY	
ACCOUNTANT	
ACCUMULATEURS	
ACCUMULATOR	
ACCUMULATOREN-FABRIK	
ACCUMULATOREY	
ACCUMULATORS	
ACEDEMIC	
ACOUSTIQUE	
ADMINISTATIA	
ADMINISTATIONS	
ADMINISTER	
ADMINISTRA	
ADMINISTRAIE	
ADMINISTRATBE	
ADMINISTRATE	
ADMINISTRATIA	
ADMINISTRATICK	
ADMINISTRATIE	
ADMINISTRATIE-EN-TRUST	
ADMINISTRATIEKANTOOR	
ADMINISTRATIEKANTOR	
ADMINISTRATION	
ADMINISTRATIONS	
ADMINISTRATOR	
ADMINISTRATORS	
ADMINISTRAZIONE	
ADMINS	
ADMINSTER	
ADMINSTRATIE	
ADMINSTRATIVE	
ADMINSTRATOR	
ADMIRALTY	
ADVERTISEMENTS	
ADVERTISING	
ADVIEZEN	
ADVISOR	
AERO	

Word	Equivalent word
AERODYNAMISCHE	
AEROKLUB	
AEROLINIE	
AERONAUTIACL	
AERONAUTICA	
AERONAUTICAL	
AERONAUTICHE	
AERONAUTICO	
AERONAUTIQUE	
AERONAUTIQUES	
AEROPLANE	
AEROPLANES	
AEROPORTO	
AEROPUT	
AGENCE	
AGENCES	
AGENCIA	
AGENCIAS	
AGENCIES	
AGENCY	
AGENT	
AGENTIA	
AGENTS	
AGREEMENT	
AGRICOLTURA	
AGRICULTURAL	
AGRICULTURE	
AGRICULTURES	
AGRICULTURIST	
AIR	
AIR-AFRIQUE	
AIRCRAFT	
AIRPORT	
AIRWAY	
AIRWAYS	
AKADAMIE	
AKADEM	
AKADEMI	
AKADEMIE	
AKADEMISCE	
AKADEMISCHE	
AKADEMISCHER	
AKTIEN-FILMFABRIK	
AKTIEN-HYPOTHEKENBANK	
ALLIANCE	
ALLIANZ	
ALLIANZUND	

Word	Equivalent word
ALLIED	
ALUMINIUM	
ALUMINIUMFABRICK	
ALUMINIUMWERK	
ALUMINNUM	
ALUMINIUM	
ALUMINUM	
ALUMIT	
ALUNINIUM	
ALUNIVERSITE	
AMATEURS	
AMATURI	
AMMINISTRATIVA	
AMMINISTRAZION	
AMMINISTRAZIONE	
AMSTERDAMSCHE	
ANCHORWORKS	
ANFLO-AMERICAN	
ANGELO-FRANCAIS	
ANGLO-BELGIAN	
ANGLO-BULGARIAN	
ANGLO-CHINESE	
ANGLO-CONTINENTAL	
ANGLO-CZECHOSLAV	
ANGLO-DANUBIAN	
ANGLO-DUTCH	
ANGLO-ELEMENTAR	
ANGLO-FRANCONIA	
ANGLO-FRENCH	
ANGLO-GERMAN	
ANGLO-NORSE	
ANGLO-OSTERREICHISCHE	
ANGLO-THAI	
ANGLO-WOOLLEN	
ANIMAL	
ANIMAL-PRODUKTEN	
ANIMALI	
ANIMALS	
ANIMATOR	
ANIMAUX	
ANSTELBANK	
ANTI-AIRCRAFT	
ANTIQUE	
ANTIQUES	
APPARAT	
APPARATE	
APPARATEBAN	

Word	Equivalent word
APPARATEBAU	
APPARATEN	
APPARATUS	
APPAREILLA	
APPAREILLAGE	
APPAREILS	
APPARTES	
APPEAL	
APPLIANCE	
APPLICATIONS	
APPLICAZIONI	
ARTIFICIAL	
ARTIFICIALA	
ARTIFICIALE	
ARTIFICIELE	
ARTIFICIELS	
ASOCIADES	
ASSOCIATION	
ASSET	
ASSETS	
ASSOCIATE	ASSOCIATE
ASSISTANCE	
ASSISTANT	
ASSISTENZA	
ASSOCIATES	
ASSUARANCE	
ASSUARANTIE	
ASSURANCE	
ASSURANCES	
ASSURANCEUNION	
ASSURANS	
ASSURANTE	
ASSUREUERS	
ASSUREURS	
ASYLUM	
ATLANTIC	ATLANTIC
ATLANTIC-RHEDEREI	ATLANTIC
ATLANTICA	ATLANTIC
ATLANTICOS	ATLANTIC
ATLANTIDA	ATLANTIC
ATLANTIDE	ATLANTIC
ATLANTIQUE	ATLANTIC
ATLANTIQUES	ATLANTIC
AUSLANDTRANSPORT	
AUTHOMATIC	
AUTHORITIES	
AUTHORITY	

Word	Equivalent word
AUTO-ELECTRIC	
AUTO-EN	
AUTO-UNION	
AUTOBUS	
AUTOENWERK	
AUTOGIRO	
AUTOMABIEL	
AUTOMAT	
AUTOMATEN	
AUTOMATFABRIKE	
AUTOMATIALLES	
AUTOMATIC	
AUTOMATICHE	
AUTOMATION	
AUTOMATIQUES	
AUTOMATISCHE	
AUTOMATON	
AUTOMAYOU	
AUTOMETRES	
AUTOMOBIEL	
AUTOMOBIL	
AUTOMOBIL-HANDELST	
AUTOMOBIL-ZEITUNG	
AUTOMOBILE	
AUTOMOBILES	
AUTOMOBILI	
AUTOMOBILTECHNIKAI	
AUTOMOTIF	
AUTOTECHNIA	
AUXILAIRE	
AUXILIAIRE	
AUXILIAR	
AUXILIARE	
AUXILIARS	
AUXILIARY	
AUXILIERE	
AUXULIARIRE	
AVIATION	
AVION	
AVIONS	
BAGAGE	
BAGAGES	
BANC	
BANCA	BANK
BANCK	BANK
BANCO	BANK
BANCQU	BANK

Word	Equivalent word
BANK	BANK
BANKA	BANK
BANKAG	BANK
BANKEN	BANK
BANKER	
BANKERS	
BANKGEOCHAEFT	BANKGESCHAFT
BANKGES	BANKGESCHAFT
BANKGESCHAEFT	BANKGESCHAFT
BANKGESCHAFT	BANKGESCHAFT
BANKHALLS	
BANKHAUS	
BANKIER	
BANKIERS	
BANKIERSKANTOOR	
BANKIERSKANTOR	
BANKIERSKANTUOR	
BANKING	BANK
BANKINGE	BANK
BANKK	BANK
BANQUE	BANK
BELGIQUE	
BIBLIOGRAPHISCHE	
BIBLIOPHILES	
BIBLIOTECA	
BIBLIOTEK	
BIBLIOTEKA	
BIBLIOTEKI	
BIBLIOTHECAIRE	
BIBLIOTHEK	
BIBLIOTHEKEN	
BIBLIOTHEQUE	
BIBLIOTHER	
BIBLIOTHIGUR	
BIBLOITEC	
BIBLOTHEK	
BISCUITERIE	
BISCUITERIES	
BISCUITFABRIKEN	
BISCUITS	
BK	BANK
BLANCHISSERIE	
BRANCH	
BREWERIES	
BREWERIS	
BREWERS	
BREWERY	

Word	Equivalent word
BRITISH-AMERICAN	
BROADCASTING	
BROKERS	
BROS-COMPANY	
BUREAU	
CABLEWORKS	
CABLOGRAFICI	
CACAOFABRIEK	
CAFÉ	
CANTEEN	
CARBO-UNION	
CARRUERES	
CELLOPHANE	
CELLULO	
CELLULOID	
CELLULOID-FABRIK	
CELLULOIDFABRIK-SPEYER	
CELLULOIDWAREN	
CELLULOSE	
CELLULOSEFABRIK	
CELLULOSEFAGRUCAS	
CELLULYD	
CENTRALA	
CENTRALBANK	
CENTRALBYRA	
CENTRALE	
CENTRALEDE	
CENTRALES	
CENTRALEXT	
CENTRALH	
CENTRALINIS	
CENTRALISATION	
CENTRALMATCH	
CENTRALNO	
CENTRALS	
CERAMICA	CERAMIC
CERAMIQUE	CERAMIC
CERAMIQUES	CERAMIC
CHARTERED	
CHARTERING	
CHEMIC	CHEMICAL
CHEMICA	CHEMICAL
CHEMICAL	CHEMICAL
CHEMICALIEN	CHEMICAL
CHEMICALIEN-HANDELMART-	CHEMICAL
CHEMICALS	CHEMICAL
CHEMICHE	

Word	Equivalent word
CHEMISCH	
CHEMISCH-PHARMAZEUTISCHE	
CHEMISCH-TECHNISCHER	
CHEMISCHE	
CHEMISCHER	
CHEMISCHES	
CHEMISCUE	
CHEMISTS	
CHEMOCOLOR	
CHOCOLADE	CHOCOLATE
CHOCOLADE-FABRIEK	CHOCOLATE
CHOCOLAT	CHOCOLATE
CHOCOLATE	CHOCOLATE
CHOCOLATEIRE	CHOCCLATE
CHOCOLATERIE	CHOCOLATE
CHROMOGRAPHIC	
CIGAR	CIGAR
CIGARES	CIGAR
CIGARETTE	CIGARETTE
CIGARETTENFABRIK	CIGARETTE
CIGARETTES	CIGARETTE
CIGARRENFABRIKEN	CIGAR
CINEMA	CINEMA
CINEMA-TIRAGE	CINEMA
CINEMATOGRAF	CINEMA
CINEMATOGRAPHIE	CINEMA
CINEMATOGRAPHIQUE	CINEMA
CINEMECCANICA	
CINEMPERIAL	
CITY	
CLIENTS	
CLNEMATROGRAPHIQUE	CINEMA
CO-INTERESSEE	
CO-OP	CO-OP
CO-OPERATIEFAARDAPPELMEEL	CO-OP
CO-OPERATIEVE	CO-OP
CO-OPERATINO	CO-OP
CO-OPERATION	CO-OP
CO-OPERATIVE	CO-OP
CO-OPERATIVS	CO-OP
CO-OPERAVTIVE	CO-OP
CO-OPZUNE	CO-OP
CO-ORDINATORE	
CO-OWNERS	
COLORANTES	
COMBUSTIBES	COMBUSTIBLE
COMBUSTIBLE	COMBUSTIBLE

Word	Equivalent word
COMBUSTIBLES	COMBUSTIBLE
COMBUSTIOLES	COMBUSTIBLE
COMERCE	COMERCIAL
COMERCIAL	COMERCIAL
COMERCIALE	COMERCIAL
COMMERCE	
COMMERCIA	COMMERCIAL
COMMERCIAL	COMMERCIAL
COMMERCIALA	COMMERCIAL
COMMERCIALE	COMMERCIAL
COMMERCIALEDES	COMMERCIAL
COMMERCIALES	COMMERCIAL
COMMERCIALLES	COMMERCIAL
COMMERCIALS	COMMERCIAL
COMMERCIAUX	COMMERCIAL
COMMERCICELE	COMMERCIAL
COMMERCIE	COMMERCIAL
COMMERCIEELE	COMMERCIAL
COMMERCIEL	COMMERCIAL
COMMERCILAE	COMMERCIAL
COMMERCIO	COMMERCIAL
COMMERCOAL	COMMERCIAL
COMMISSION	
COMMISSIONER	
COMMISSIONERS	
COMMISSIONI	
COMMISSIONS	
COMMITTEE	
COMMITTESSA	
COMMITTE	
COMMITTEE	
COMMISSION	
COMMODITIES	
COMMONICATIONS	
COMMRCIAL	COMMERCIAL
COMMUNAL	
COMMUNICATIE	
COMMUNICATION	
COMMUNICATIONS	
COMMUNITY	
COMOUSTIBLES	
COMPHANIA	
COMPOSITE	
COMPOSITEURS	
COMPOSITION	
COMPRES	
COMPRESSEURS	

Word	Equivalent word
COMRADES	
COMSUMMEREINE	
COMUNICAZION	
CONBUSTIBLES	
CONCENTRATION	
CONCESSIONAIRE	
CONCESSIONS	
CONDEMINOS	
CONDENSATION	
CONDENSED	
CONDENSFABRIK	
CONDUCTEUR	
CONDUCTEURELECTRIQUE	
CONFECTIE	
CONFECTIEFABRIEK	
CONFECTIFABRIK	
CONFECTION	
CONFECTISFABRIK	
CONFEDERATION	
CONFEDERAZIONE	
CONFERENA	
CONFERENCE	
CONSERVANCY	
CONSERVATEUR	
CONSERVATIVE	
CONSERVATOIRE	
CONSERVATOR	
CONSERVAZIONI	
CONSERVE	
CONSERVENFABRIE	
CONSERVERIES	
CONSERVES	
CONSIGNAIRES	
CONSIGNATAIRES	
CONSIGNATIO	
CONSIGNATION	
CONSIGNATIONS	
CONSUMMATEURS	
CONSONMATEURS	
CONSORTIEM	
CONSORTIUM	
CONSORTS	
CONSORZI	
CONSORZIO	
CONSTRUCIONES	
CONSTRUCTEURS	
CONSTRUCTIEWINKEL	

Word	Equivalent word
CONSTRUCTION	CONSTRUCTION
CONSTRUCTIONS	CONSTRUCTION
CONSTRUCTON	CONSTRUCTION
CONSTRUCTORA	CONSTRUCTION
CONSTRUZIONE	CONSTRUCTION
CONSULTANTS	
CONSUMERS	
CONTINEHTALE	CONTINENTAL
CONTINENALE	CONTINENTAL
CONTINENT	CONTINENTAL
CONTINENTA	CONTINENTAL
CONTINENTAB	CONTINENTAL
CONTINENTAL	CONTINENTAL
CONTINENTALE	CONTINENTAL
CONTINENTIAL	CONTINENTAL
CONTINESCO	CONTINENTAL
CONTINETAL	CONTINENTAL
CONTRACTORS	
CONVENT	
COOP	CO-OP
COOPERATEVE	CO-OP
COOPERATIE	CO-OP
COOPERATIES	CO-OP
COOPERATION	CO-OP
COOPERATIVE	CO-OP
COOPERTIVES	CO-OP
CREDIT	CREDIT
CREDIT-ANSTALT	CREDIT
CREDITA	CREDIT
CREDITBANK	BANK
CREDITFORMEDLING	CREDIT
CREDITO	CREDIT
CREDITORS	CREDIT
CREDITSA	CREDIT
CREDITUL	CREDIT
DADMINIS	
DADMINISTRATION	
DAMENMANTELFABRIK	
DAMPFOELFABRIK	
DAPPLICATION	
DAPPLICATIONS	
DAPPLICAZTIONS	
DAPPLICOTION	
DARMAMENT	
DARMEMENT	
DARMEMENTS	
DARTILLERIE	

Word	Equivalent word
DASSRANCES	
DASSUCURAZION	
DASSURACES	
DASSURANCE	
DASSURANCES	
DASSURANGE	
DASSURENCES	
DAUTOMOBILE	
DELECTRI	
DELECTRICITE	
DELECTRICITEET	
DELECTRIETE	
DELECTRO	
DELECTROMETALLURGIE	
DENTAL	
DEPARTEMENT	DEPARTMENT
DEPARTMANT	DEPARTMENT
DEPARTMENT	DEPARTMENT
DEPT	DEPARTMENT
DETELEGRAPHIE	
DETRANSPORT	
DETRANSPORTS	
DEÜTSCH	
DEVELOPEMENT	DEVELOPMENT
DEVELOPEMENTS	DEVELOPMENT
DEVELOPMENT	DEVELOPMENT
DEVELOPMENTS	DEVELOPMENT
DEVELOPPEMENT	DEVELOPMENT
DISTILLATION	DISTILLERY
DISTILLER	DISTILLERY
DISTILLERIE	DISTILLERY
DISTILLERIES	DISTILLERY
DISTILLÈRY	DISTILLERY
DISTRIBOTIE	
DISTRIBUTER	DISTRIBUTOR
DISTRIBUTEURS	DISTRIBUTOR
DISTRIBUTION	DISTRIBUTOR
DISTRIBUTOR	DISTRIBUTOR
DISTRILLERIES	DISTILLERY
DOCUMENTATION	
DYNAMIDON-WERKE	
DYNAMITE	
DYNAMO	
ECCLESIASTICAL	
ECONOMIC	
ECONOMICAL	
ECONOMICHE	

Word	Equivalent word
ECONOMIE	
ECONOMIEZNE	
ECONOMII	
ECONOMIQUE	
ECONOMIQUES	
ECONOMIST	
ECONOMY	
EDELMETALLE	
EDELMETALLWERKE	
EDINBURGH	
EDITORIAL	
EDITORIAL-SIDE	
EDITORIALE	
EDITORSHIP	
EDUCATION	
EDUCATIONAL	
ELECRTICITE	
ELECTOFFINMECHANISCHE	
ELECTOTECHNISCH	
ELECTRA	
ELECTRIC	
ELECTRICA	
ELECTRICAL	
ELECTRICALE	
ELECTRICITA	
ELECTRICITAT	
ELECTRICITE	
ELECTRICITEIT	
ELECTRICITEITBEDRYF	
ELECTRICITEITS	
ELECTRICITY	
ELECTRICS	
ELECTRIQNE	
ELECTRIQUE	
ELECTRIQUES	
ELECTRISCHE	
ELECTRIZITATZ-V	
ELECTRO	
ELECTRO-MECANIQUE	
ELECTRO-META	
ELECTRO-STAAVERK	
ELECTRO-THERMIQUES	
ELECTROCELL	
ELECTROCHEMISCHE	
ELECTROCHENISKE	
ELECTRODES	
ELECTROLA	

Word	Equivalent word
ELECTROLUX-ORGANISSTIN	
ELECTROMANIQUE	
ELECTROMECHANIQUE	
ELECTROMEKATO	
ELECTROMOTOREN	
ELECTRON	
ELECTROPLASTIQUES	
ELECTRORAIL	
ELECTROTECHNICAL	
ELECTROTECHNICZNE	
ELECTROTECHNISCH	
ELECTROTECKNIK	
ELECTROTECNIC	
ELECTRICITE	
ELEICTRIZITANS	
ELEKRIZITATS	
ELEKROSCHMELZE	
ELEKRSKEMISK	
ELEKATHERMAX	
ELEKTRICITATS	
ELEKTRINSCH	
ELEKTRISCHE	
ELEKTRISK	
ELEKTRIZITATS	
ELEKTRO	
ELEKTRO-ISOLA	
ELEKTRO-KEEMIA	
ELEKTRO-SOMOSE	
ELEKTROCHEMISCHE	
ELEKTROFONAFELDSCHUN	
ELEKTROLUX	
ELEKTROMETAL	
ELEKTROMETALLURGIE	
ELEKTRONSPOL	
ELEKTRORECHYNISCHE	
ELEKTROSCHELZWERK	
ELEKTROSTAHLG	
ELEKTROTECHINISCHE	
ELEKTROTECHNIKSA	
ELEKTROTECHNISCHE	
ELEKTROTECHNISHE	
ELEKTROTEE	
ELEKTRYCZNEGO	
ELERTROTECNIC	
ELESTRISCHE	
ELETRICITE	
ELETRIQUE	

Word	Equivalent word
ELETRACUSTIC	
ELETRICI	
ELETRATECNICA	
ELETRICCA	
ELETRICI	
ELETRICITES	
ELETROTECHNICA	
EMBROIDERY	
EMINAR-DER-UNIVERSITAT	
EMPLOYEES	
EMPLOYERS	
ENCYCLO	
ENCYCLOPEDIQUE	
ENERGIE	
ENGINE	
ENGINEEING	
ENGINEER	
ENGINEERING	
ENGINEERS	
ENGINERR	
ENGINERRS	
ENGINES	
ENTERPRISE	
ENTERTAINMENTS	
ESTABELECIMENTOS	ESTABLISHMENT
ESTABL	ESTABLISHMENT
ESTABLISE	ESTABLISHMENT
ESTABLISEANTS	ESTABLISHMENT
ESTABLISEMENT	ESTABLISHMENT
ESTABLISEMENTS	ESTABLISHMENT
ESTABLISEMENTS	ESTABLISHMENT
ESTABLISHMENT	ESTABLISHMENT
ESTABLISHMENTS	ESTABLISHMENT
ESTABLISSEMENTO	ESTABLISHMENT
ESTABLISSEMENTS	ESTABLISHMENT
ESTABLISSERET	ESTABLISHMENT
ESTABLISSEMENTS	ESTABLISHMENT
ESTABS	ESTABLISHMENT
ESTAT	
ESTATE	
ESTATE-LABOURERS	
ESTATES	
ETABLIS	ESTABLISHMENT
ETABLISE	ESTABLISHMENT
ETABLISEMENTS	ESTABLISHMENT
ETABLISEMENT	ESTABLISHMENT
ETABLISHMENT	ESTABLISHMENT

Word	Equivalent word
ETABLISHMENTS	ESTABLISHMENT
ETABLISS	ESTABLISHMENT
ETABLISSAMANTS	ESTABLISHMENT
ETABLISSE	ESTABLISHMENT
ETABLISSEBENTS	
ETABLISSED	
ETABLISSEHENTS	ESTABLISHMENT
ETABLISSEMEN	ESTABLISHMENT
ETABLISSEMENS	ESTABLISHMENT
ETABLISSEMENT	ESTABLISHMENT
ETABLISSEMENTE	ESTABLISHMENT
ETABLISSEMENTES	ESTABLISHMENT
ETABLISSEMENTS	ESTABLISHMENT
ETABLISSEMERTS	ESTABLISHMENT
ETABLISSEMMENTS	ESTABLISHMENT
ETABLISSENTS	ESTABLISHMENT
ETABLISSETCENTS	ESTABLISHMENT
ETABLISSETENTS	ESTABLISHMENT
ETABLISSETMENTS	ESTABLISHMENT
ETABLISSMANTS	ESTABLISHMENT
ETABLISSEMENT	ESTABLISHMENT
ETABLISSEMENTS	ESTABLISHMENT
ETABS	ESTABLISHMENT
EXPEDITIE	
EXPEDITION	
EXPEDITIONS	
EXPERIMENTAL	
EXPLOITATIE	
EXPLOITATION	
EXPLOITATIONS	
EXPLORATION-DEVEL	
EXPORE	
EXPORT	
EXPORT-VEREINIGUNG	
EXPORTATION	
EXPORTAXIONE	
EXPORTAZI	
EXPORTAZIONE	
EXPORTE	
EXPORTER	
EXPORTERS	
EXPORTEURS	
EXPORTFINANZIERUNG	
EXPORTGANDEL	
EXPORTGESELLSCHAFT	
EXPORTHANDEL	
EXPORTHANDLE	

Word	Equivalent word
EXPORTHAUS	
EXPORTING	
EXPORTKOM	
EXPORTLAG	
EXPORTOWA	
EXPORTS	
EXPORTSLACTER	
EXPORTSLAHT	
EXPORTVEREINIGUN	
EXPORTVEREINIGUNG	
EXPOSITO	
EXPRESS	
EXPRINTER	
EXPROT	
EXTENSION	
EXTER	
EXTERIEUR	
EXTERIURE	
EXTORS	
EXTRA	
EXTRACT	
EXTRAITES	
EXTRAKTION	
EXTRANS	
EXTRAUS	
EXTREME	
FABBRIC	
FABBRICA	
FABBRICHE	
FABBRIKEN	
FABCICONE	
FABREIK	
FABREIKEN	
FABREKEN	
FABRIC	
FABRICA	
FABRICAGE	
FABRICANTS	
FABRICAREA	
FABRICATION	
FABRICATIONS	
FABRICKEN	
FABRICS	
FABRIEK	
FABRIEKEN	
FABRIEKENEN	
FABRIEKEY	

Word	Equivalent word
FABRIEKN	
FABRIEKKEN	
FABRIK	
FABRIK-ANTEN	
FABRIKA	
FABRIKAI	
FABRIKANTEN	
FABRIKAS	
FABRIKATE	
FABRIKATION	
FABRIKE	
FABRIKEB	
FABRIKEDLHE	
FABRIKEN	
FABRIKENTERS	
FABRIKER	
FABRIKEREN	
FABRIKERH	
FABRIKERNE	
FABRIKERS	
FABRIKGULM	
FABRIKICIA	
FABRIKIEKEN	
FABRIKILLS	
FABRIKK	
FABRIKKEN	
FABRIKKER	
FABRIKOID	
FABRIKS	
FABRIKUNDMALZ	
FABRIKVEG	
FABRIQUE	
FABRIQUES	
FABRIS	
FABRIX	
FABRIXEN	
FACTORIES	
FACTORY	FACTORY
FACTROY	FACTORY
FACULTY	
FARMACCUTIC	
FARMACEUTICI	
FARVEFABRIKK	
FARVEFABRIKKER	
FEDERAL	
FEDERALE	
FEDERATED	

Word	Equivalent word
FEDERATION	
FEDERAZION	
FEDERAZIONE	
FILS	
FILTERS	
FINANC	
FINANCE	
FINANCEERING	
FINANCEIERINGS-EN	
FINANCER	
FINANCERINCE	
FINANCERINGS	
FINANCES	
FINANCHMENT	
FINANCIAL	
FINANZIALE	
FINANCIALS	
FINANCIARI	
FINANCIE	
FINANCIEELE	
FINANCIEELE-EN	
FINANCIELE	
FINANCIELLE	
FINANCIER	
FINANCIERA	
FINANCIERE	
FINANCIERES	
FINANCIERI	
FINANCIERING	
FINANCIERINGS	
FINANCIERS	
FINANCING	
FINANCIONES	
FINANS	
FINANSDEPARTEMENRETS	
FINANSMINISTERIERS	
FINANZ	
FINANZAMT	
FINANZANT	
FINANZE	
FINANZGES	
FINANZIARIA	
FINANZIBRUNGS	
FINANZIERUNGEN	
FODERIFABRIIK	
FODERSTOF-IMPORT	
FOLKEBANK	

Word	Equivalent word
FOLKEBANKEN	
FOUNDATION	
FRANCAISE	
FRANCE	
FRERES	BROTHERS
FUND	
FUNDS	FUND
GASACCUMULATOR	
GENERALE	
GEOGRAPHICAL	GEOGRAPHICAL
GEOGRAPHIQUE	GEOGRAPHICAL
GFOGRAPHIQUES	GEOGRAPHICAL
GESELESCHAFT	GESELLSCHAFT
GESELISCHAFT	GESELLSCHAFT
GESELLE-SCHAFT	GESELLSCHAFT
GESELLESCHAFT	GESELLSCHAFT
GESELLSCH	GESELLSCHAFT
GESELLSCHA	GESELLSCHAFT
GESELLSCHAET	GESELLSCHAFT
GESELLSCHAF	GESELLSCHAFT
GESELLSCHAFF	GESELLSCHAFT
GESELLSCHAFT	GESELLSCHAFT
GESELLSCHAGT	GESELLSCHAFT
GESELLSCHALT	GESELLSCHAFT
GESELLSCHAPT	GESELLSCHAFT
GESELLSCHOF	GESELLSCHAFT
GESELLSEHAFT	GESELLSCHAFT
GESELLSHAF T	GESELLSCHAFT
GESELSCHAAFT	GESELLSCHAFT
GESELSCHAFT	GESELLSCHAFT
GESEUSCHAFT	GESELLSCHAFT
GOLDSMITHS	
GOVERNMENT	GOVERNMENT
GOVERNEMENT	GOVERNMENT
GOVERNMENT	GOVERNMENT
GOVT	GOVERNMENT
GOVTS	GOVERNMENT
GRAPHIQUE	
GRAPHIQUES	
GRAPHISCHE	
GRAPHITWERK	
GRAPHOCHEMA	
GRAPHOPHONE	
GRAPHSCH E	
GROUP	
HALBZEUSTOFF-INDUSTRIE	
HOSPITAL	

Word	Equivalent word
HOTEL	
ILLUSTRATI	
ILLUSTRATIESTE	
ILLUSTRATION	
ILLUSTRATIONEN	
ILLUSTRAXIONE	
IMPORT	
IMPORT-EN	
IMPORTA	
IMPORTACAO-EXPORTACAO	
IMPORTACOES	
IMPORTACTORA	
IMPORTANZIONE	
IMPORTATION	
IMPORTATION-EXPORTION	
IMPORTAZIONE	
IMPORTE	
IMPORTEN	
IMPORTER	
IMPORTERS	
IMPORTOREN	
IMPORTS	
INCANDESCENCE	
INCANDESCENT	
INCOMBUSTIBLE	
INCOMBUSTIQUE	
INCOME	
INDUSTREILLE	INDUSTRIAL
INDUSTRELLE	INDUSTRIAL
INDUSTRI	INDUSTRY
INDUSTRI-HYPOTEKSBANKEN	
INDUSTRIA	INDUSTRIAL
INDUSTRIAL	INDUSTRIAL
INDUSTRIALE	INDUSTRIAL
INDUSTRIALES	INDUSTRIAL
INDUSTRIALI	INDUSTRIAL
INDUSTRIALLE	INDUSTRIAL
INDUSTRIALS	INDUSTRIAL
INDUSTRIAR	
INDUSTRIBANK	
INDUSTRICLE	
INDUSTRIE	INDUSTRY
INDUSTRIE-EN	
INDUSTRIE-WERKE	
INDUSTRIEBEDARF	
INDUSTRIEDERSTE	
INDUSTRIEDFENBAU	

Word	Equivalent word
INDUSTRIEELE	INDUSTRIAL
INDUSTRIEELGABIRD	
INDUSTRIEEN	
INDUSTRIEGAS	
INDUSTRIEKREDIT	
INDUSTRIEL	INDUSTRIAL
INDUSTRIELE	INDUSTRIAL
INDUSTRIELL	INDUSTRIAL
INDUSTRIELLE	INDUSTRY
INDUSTRIELLES	INDUSTRIAL
INDUSTRIELLEY	INDUSTRIAL
INDUSTRIELS	INDUSTRIAL
INDUSTRIENNES	
INDUSTRIEONE	
INDUSTRIES	
INDUSTRIEUNLAGEN	
INDUSTRIEWERK	
INDUSTRIEWERKE	
INDUSTRIEFARSIKERING	
INDUSTRIJA	
INDUSTRIJO	
INDUSTRIL	
INDUSTRIMETODOR	
INDUSTRY	INDUSTRY
INDUTRIE	INDUSTRY
INFORMATION	INFORMATION
INFORMATIONS	INFORMATION
INSTALLATION	
INSTIT	INSTITUTE
INSTITITE	INSTITUTE
INSTITLITO	INSTITUTE
INSTITUE	INSTITUTE
INSTITUET	INSTITUTE
INSTITUT	INSTITUTE
INSTITUTE	INSTITUTE
INSTITUTES	INSTITUTE
INSTITUTION	INSTITUTE
INSTITUTIONS	INSTITUTE
INSTITUTO	INSTITUTE
INSTITUTON	INSTITUTE
INSTITUTS	INSTITUTE
INSTITUTUM	INSTITUTE
INSTRUMENTE	
INSTRUMENTS	
INSUR	INSURANCE
INSURANCE	INSURANCE
INTERNACIONAL	INTERNATIONAL

Word	Equivalent word
INTERNACIONALES	INTERNATIONAL
INTERNAIONAL	INTERNATIONAL
INTERNAIONALE	INTERNATIONAL
INTERNALE	INTERNATIONAL
INTERNASJONALE	INTERNATIONAL
INTERNAT	INTERNATIONAL
INTERNATAN	INTERNATIONAL
INTERNATINAL	INTERNATIONAL
INTERNATINALE	INTERNATIONAL
INTERNATION	INTERNATIONAL
INTERNATIONA	INTERNATIONAL
INTERNATIONAL	INTERNATIONAL
INTERNATIONALE	INTERNATIONAL
INTERNATIONALER	INTERNATIONAL
INTERNATIONALES	INTERNATIONAL
INTERNATIONALLE	INTERNATIONAL
INTERNATIONALMOTORKRET	
INTERNATIONALO	INTERNATIONAL
INTERNATIONALT	INTERNATIONAL
INTERNATIONAUX	INTERNATIONAL
INTERNATIONLES	INTERNATIONAL
INTERNATIONNAL	INTERNATIONAL
INTERNATUONALE	INTERNATIONAL
INTERNAZIONA	INTERNATIONAL
INTERNAZIONALE	INTERNATIONAL
INTERNAZIONALO	INTERNATIONAL
INTERNTIONAL	INTERNATIONAL
INVEST	
INVESTEMENT	
INVESTIGATION	
INVESTMANT	
INVESTMENT	
INVESTMENTS	
INVESTOR	
INVESTORS	
ITABLISHMENTS	ESTABLISHMENT
JETABLISSEMENT	
KABELFABREIK	
KABELFABRIK	
KABELFABRIKEN	
KABELFARICK	
KAMERA-FABRIK	
KAMERAWERK	
KANNFABRIK	
KARNTNERMONTANINDUSTRIE	
KASCHIHENFABRIK	
KATOENFABRIEKEN	

Word	Equivalent word
KATSELFABRIKEN	
KIFFIE-EN-PRODUCTENHANDEL	
KO-OPERATIVE	CO-OP
KO-OPERATVE	CO-OP
KOMMERCIALRAT	
KOMMERZIALRA	
KOMMERZIATLRAT	
KOMMISSIONS	
KOMMISSIONS	
KOOPERATIV	CO-OP
KOOPERATIVIDE	CO-OP
KREDIETBANK	
KREDIETMIJ	
KREDIIT	
KREDIT	
KREDIT-ANSTALT	
KREDIT-UND	
KREDIT-VEREIN	
KREDITANK	
KREDITANSTALT	
KREDITBANK	
KREDITBANKA	
KREDITBANKEN	
KREDITBIEDRIBA	
KREDITKASSE	
KREDITO	
KREDITSICH	
KUGELFABRIK	
KUGELLABERFABRIKEN	
KUGELLAGERFABRIK	
KUNSTDUNGERFABRIK	
KUNSTHARZFABRIK	
KUNSTHORNWERKE	
KUNSTLEDER-WERKE	
KURKENFABRIE	
LABARATOIRE	
LABORATIES	
LABORATIRES	
LABORATIUM	
LABORATOIRE	
LABORATOIRES	
LABORATOIRESET	
LABORATOIRIES	
LABORATOIRS	
LABORATORI	
LABORATORIES	
LABORATORIO	

Word	Equivalent word
LABORATORISCLES	
LABORATORITES	
LABORATORIUM	
LABORATORUL	
LABORATORY	
LADERFABRIK	
LADFABRIK	
LADMINISTRATEUR	
LADMINISTRATION	
LALLUMINIUM	
LALUMINIUM	
LARCHEVEQUE	
LARCHITECTURE	
LAUTOMOBILE	
LEDENNARENFABRIK	
LEDER-FABRIKEN	
LEDERFABRICK	
LEDERFABRIEK	
LEDERFABRIK	
LEDERFABRIKS	
LEDERINDUSTRIE	
LEINENFABRIK	
LEXPORATION	
LEXPORATION	
LHOPITAL	
LHOPITEAU	
LHOTEL	
LHOTELLIER	
LINDURTRIE	
LINDUSRIE	
LINDUSTE	
LINDUSTIE	
LINDUSTRE	
LINDUSTRIA	
LINDUSTRIE	
LINDUSTRY	
LINFORMATION	
LOCKFABRIK	
LOCOMOTIEF	
LOCOMOTIVE	
LREDITBANK	
LTABLISSEMENT	
MACHIN	
MACHINAAL	
MACHINALE	
MACHINE	
MACHINE-EN	

Word	Equivalent word
MACHINEFABRIEF	
MACHINEFABRIEK	
MACHINEFABRIK	
MACHINEFABRIKSCHEEPSIWERE	
MACHINEHAN	
MACHINEHANDEL	
MACHINEMFABRIK	
MACHINEN	
MACHINENBAU	
MACHINENFABRIK	
MACHINENHANDEL	
MACHINER	
MACHINEREEEN	
MACHINERY	
MACHINES	
MACHINES-DU	
MACHINFABRIK	
MACHININE	
MACHINISMFUBRIK	
MACHINNE	
MAISON	
MANUFACT	
MANUFACTACTURERS	
MANUFACTOR	
MANUFACTORIES	
MANUFACTORY	
MANUFACTUERE	
MANUFACTUERS	
MANUFACTUR	
MANUFACTURA	
MANUFACTURE	
MANUFACTUREI	
MANUFACTUREMETALLURGIQUES	
MANUFACTURER	
MANUFACTURERS	
MANUFACTURES	
MANUFACTURING	
MANUFAKTUR	
MANUFAKTURA	
MARITIME	
MARITIMES	
MARITTIME	
MASCHINENBANK	
MASCHINENFABR	
MASCHINENFABRH	
MASCHINENFABRIC	
MASCHINENFABRICK	

Word	Equivalent word
MASCHINENFABRIK	
MASCHINENFABRIKEN	
MASCHINENFAIRIK	
MASCHINENFARIK	
MASCHINES	
MASCHINFABRIEK	
MASCHINFABRIK	
MASCHINGLASINDUSTRIE	
MASCHINIENFABRIK	
MASCHINNWERKE	
MASGHINENFABRIK	
MASILIKFABRIK	
MASKINFABRIK	
MASKINFABRIKEN	
MASKINFABRIKKEN	
MATHEMATICA	
MATHEMATICKE	
MATHEMATIQUE	
MAUFACTURING	
MAUFACUREN	
MECANIC	
MECANICLES	
MECANINDUS	
MECANIQUE	
MECANIQUEET	
MECANIQUES	
MECANIQUESARMAND	
MECANIQUET	
MECANISKE	
MECCANICA	
MECHAINCS	
MECHANICAL	
MECHANICZNE	
MECHANIK	
MECHANIKAI	
MECHANIKOW	
MECIANIQUE	
MECHANIQUES	
MECHANISCHE	
MECHANISMS	
MECHANSEN	
MEDICAL	
MEDICALE	
MEDICARE	
MEDICAZIONE	
MEDICI	
MEDICIN	

Word	Equivalent word
MEDICINAKA	
MEDICINAL	
MEDICINISCHE	
MEDICO	
MERCHANDISE	
MERCHANDISINE	
MERCHANDISING	
MERCHANDISINO	
MERCHANT	
MERCHANTS	
MESSERFABRIK	
METAALWERKEN	
METALEN	
METALES	
METALI	
METALIMPORT	
METALINDUSTRIE	
METALL	
METALL-HANDEL	
METALL-WERKE	
METALLAG	
METALLBAROMETER	
METALLFABRIK	
METALLGIESSERE	
METALLHUETTEN	
METALLHUTTENWERK	
METALLI	
METALLIC	
METALLINDUSTRIE	
METALLING	
METALLIQUE	
METALLIQUES	
METALLIQUESS	
METALLISATION	
METALLKONTOR	
METALLMERY	
METALLNERK	
METALLO	
METALLOCHEMIA	
METALLOCHEMISCHE	
METALLOGOBUS	
METALLORFISCHE	
METALLPAPIER	
METALLSCH	
METALLSCHLAUC	
METALLSTANZWERK	
METALLTURGIT	

Word	Equivalent word
METALLUIGIGUES	
METALLUKIGIQUE	
METALLUM	
METALLUR	
METALLURCIQUE	
METALLUREISTES	
METALLURG	
METALLURGIA	
METALLURGICAL	
METALLURGICE	
METALLURGIE	
METALLURGIGUEET	
METALLURGIOUE	
METALLURGIQUE	
METALLURGIQUES	
METALLURIGIQUE	
METALLUROIQUE	
METALLURQUES	
METALLW	
METALLWALZWERKE	
METALLWARE	
METALLWAREN	
METALLWARENF	
METALLWARENFABRIK	
METALLWARENFABRIKEN	
METALLWARENFIBRIK	
METALLWARUN	
METALLWEREN	
METALLWERK	
METALLWERKE	
METALLWERLE	
METALLWMREN	
METALLWURKE	
METALOTECHNICA	
METALS	
METALUIRGRALLE	
METALURAICE	
METALUREFABRIK	
METALURG	
METALURGICE	
METALURGICLE	
METALURGIGES	
METALURGIQUE	
METALVARE	
METALVERK	
METALWAERN	
METALWAREN	

Word	Equivalent word
METALWARENFABRIK	
METALWERK	
METARLWERKE	
METEORLOGIQUE	
METERFABRIEK	
MFRS	
MIETEMFABRIK	
MINISTER	
MINISTERE	
MINISTERIE	
MINISTERIUM	
MINISTERO	
MINISTERS	
MINISTRAL	
MINISTRO	
MINISTRY	
MOTOREN	
MOTORENHA	
MOTORENWERK	
MOTORENWERKE	
MOTORFABRIK	
MOTORPABRIK	
MOTORS	
MOTORSHIPS	
MOTORTANK	
MOTOVAPORE	
NATIONAL	
NATIONALA	
NATIONALBANKEN	
NATIONALE	
NATIONALISERIE	
NATIONALISTS	
NATIONALITAETEN-KONGRESS	
NATIONALS	
NATIONALT	
NATIONALUS	
NATIONAUX	
NATIONE	
NEDERLANDSCHE	
NEWSPAPER	
NEWSPAPERS	
NURSING	
ORGANISATION	
OVERPAYMENT	
OWNER	
PAPERFABRIEK	
PAPERMILL	

Word	Equivalent word
PAPFABRIK	
PAPIER	
PAPIER-FABRIKEN	
PAPIERBABRIK	
PAPIERFABIK	
PAPIERFABRICKEN	
PAPIERFABRIEK	
PAPIERFABRIEKEN	
PAPIERFABRIH	
PAPIERFABRIK	
PAPIERFABRIK-SCHEUFELN	
PAPIERFABRIKEN	
PAPIERFANRIKEN	
PAPIERFAVRIEKEN	
PAPIERFRABRIK	
PAPIERWAKEEN	
PAPIERWAREN	
PAPIERWERK	
PAPIRFABRIK	
PAPIRFABRIKEN	
PAPIRHANDEL	
PAPIRHANDELERES	
PAPIRINDUS	
PAPIRINDUSTRI	
PARIS	
PARTY	
PHILADELPHIA	
PLASTIQUES	
PLUMBING	
PLUME	
PRISONERS	
PROCURE	
PRODUCE	
PRODUCERS	
PRODUCT	
PRODUCTAS	
PRODUCTCN	
PRODUCTE	
PRODUCTEIN	
PRODUCTELLES	
PRODUCTEN	
PRODUCTENHANDEL	
PRODUCTEURS	
PRODUCTION	
PRODUCTIONS	
PRODUCTIV	
PRODUCTJOENOSSENSCHAFT	

Word	Equivalent word
PRODUCTOS	
PRODUCTS	
PRODUIT	
PRODUITS	
PRODUITSCHIMI	
PRODUKT	
PRODUKTE	
PRODUKTEN	
PRODUKTENHANDEL	
PRODUKTFORETURING	
PRODUKTION	
PRODUKTIONS	
PRODUKTOW	
PRODUKTS	
PROFESSIONALE	
PROFESSIONNEL	
PROFESSIONUELLE	
PROFFESIONL	
PROPERTY	
PUBLICHE	
PUBLICITE	
PUBLIC	
PUBLICA	
PUBLICATION	
PUBLICATIONS	
PUBLICHI	
PUBLICITE	
PUBLICITEIT	
PUBLICITIE	
PUBLICITY	
PUBLICO	
PUBLICS	
PUBLIFOTA	
PUBLIQUE	
PUBLIQUES	
PUBLISHERS	
PUBLISHING	
RAILWAYS	
RATEPAYERS	
REMORQUAGE	
REPRESENTATIVE	
RESERVOIR	
RESIDENTS	
ROTTERDAM	
SCHOOL	
SCHOOLING	
SCHOOLS	

Word	Equivalent word
SCOTLAND	
SCOUTS	
SECURADO	
SECURITAS	
SECURITES	
SECURITIE	
SECURITIES	
SECURITY	
SECURIUS	
SECURTIES	
SERVICE	
SETTLEMENT	
SHIPPING	
SOC	SOCIETY
SOCIEATE	SOCIETY
SOCIEDAD	SOCIETY
SOCIEDADE	SOCIETY
SOCIEDED	SOCIETY
SOCIETA	SOCIETY
SOCIETAT	SOCIETY
SOCIETATE	SOCIETY
SOCIETATEA	SOCIETY
SOCIETATS	SOCIETY
SOCIETCOMMERCIALE	
SOCIETE	SOCIETY
SOCIETE-DE-LA	
SOCIETEANOW	
SOCIETEDES	SOCIETY
SOCIETEIT	SOCIETY
SOCIETES	SOCIETY
SOCIETIA	SOCIETY
SOCIETIES	SOCIETY
SOCIETTE	SOCIETY
SOCIETY	SOCIETY
SPECIALISTS	
SPORTS	
SPORTSEN	
STAFF	
SUCC	BRANCH
SUPPLIERS	
SUPPLIES	
SUPPLISSON	
SUPPLY	
SWIMMING	
SYNDICAT	
SYNDICATE	
SYNDICATES	

Word	Equivalent word
SYSTEMS	
TECHNIQUE	
TEXTIEL	
TEXTIELEN	
TEXTIELFA	
TEXTIELFABRIEKEJ	
TEXTIELFABRIEKEN	
TEXTIELHANDEL	
TEXTIELMAATSCHAPPIJ	
TEXTIELNJNERHEIN	
TEXTIL	
TEXTIL-INDUSTRIE	
TEXTIL-SYMDIKAT	
TEXTILANA	
TEXTILBERICHTE	
TEXTILDRUCKEREI	
TEXTILE	
TEXTILEA	
TEXTILEE	
TEXTILEFABRIK	
TEXTILEHANDEL	
TEXTILES	
TEXTILFABRIK	
TEXTILFABRIKEN	
TEXTILFRARIK	
TEXTILFRIS	
TEXTILGESELLSCHAFT	
TEXTILIA	
TEXTILIANA	
TEXTILINDASTRIE	
TEXTILINDUSTRIE	
TEXTILINE	
TEXTILIPAR	
TEXTILIT	
TEXTILLWERKE	
TEXTILMASCHINENFABRIK	
TEXTILN	
TEXTILNI	
TEXTILNICH	
TEXTILPAR	
TEXTILS	
TEXTILSVEDITONS	
TEXTILUÜVEK	
TEXTILVERLAG	
TEXTILWERK	
TEXTILWERKE	
TRADING	

Word	Equivalent word
TRANSLATEUR	
TRANSLATORS	
TRANSMARINDE	
TRANSMARINE	
TRANSMARINO	
TRANSMISSION	
TRANSOCEANIC	
TRANSONIC	
TRANSPEED	
TRANSPETROL	
TRANSPORATION	
TRANSPORT	
TRANSPORT-GES	
TRANSPORT-KOMPAN	
TRANSPORTAG	
TRANSPORTAN	
TRANSPORTBEDRIJF	
TRANSPORTE	
TRANSPORTES	
TRANSPORTH	
TRANSPORTIGH	
TRANSPORTILER	
TRANSPORTIWE	
TRANSPORTO	
TRANSPORTONE	
TRANSPORTOWE	
TRANSPORTS	
TRANSPORTURI	
TRANSPOTS	
TRANSRT	
TRUST	
TRUST-EN	
TRUSTCIE	
TRUSTEE	
TRUSTEES	
TRUSTEM	
TRUSTKAN	
TRUSTKANTOOR	
TRUSTMAAT	
TRUSTMAATSCHAPPIS	
TRUSTS	
UNCLAIMED	
UNIONISTS	
UNITED	
UNIVEISITA	
UNIVERSAL	
UNIVERSALE	

Word	Equivalent word
UNIVERSAT	
UNIVERSE	
UNIVERSECLE	
UNIVERSEELE	
UNIVERSELLE	
UNIVERSITA	
UNIVERSITAIRE	
UNIVERSITAIRES	
UNIVERSITARIA	
UNIVERSITAT	
UNIVERSITATS	
UNIVERSITATS-BUCHDRUCHERA	
UNIVERSITATSBIBLIOTHEK	
UNIVERSITE	
UNIVERSITETBIBLIOTEKET	
UNIVERSITY	
UNIVERSTAIRE	
UNIVERSTIY	
UNIVRSITATDOZENT	
UNIVSELLEREUNIES	
VERLAG	
VERLAGESCELLSOF	
VERLAGFUR	
VERLAGGES	
VERLAGH	
VERLAGHANDLUNG	
VERLAGHAUS	
VERLAGS	
VERLAGS-BUCHHAUS	
VERLAGSANSTALL	
VERLAGSANSTALT	
VERLAGSANTALT	
VERLAGSBUCHHANDLUNG	
VERLAGSBUCHHANDLUMOCARL	
VERLAGSBUCHHANDLUNG	
VERLAGSBUCHHANDUINO	
VERLAGSGESELL	
VERLAGSGESELLSCHAFT	
VERLAGSHAVS	
VERLAGSHUCHHAND	
VINERIES	
VINERY	
WELFARE	
WERKE	WORKS
WORK	
WORKE	
WORKER	

Word	Equivalent word
WORKERS	
WORKMAN	
WORKMENS	
WORKS	
WORKSHOPS	
Link name identifiers	
AL	
ALA	
DE	
DEL	
DEN	
DER	
DES	
DU	
EL	
LA	
LE	
VAN	
VAN-DEN	
VANT	
VON	
ZE	
Multiple identifiers	
&	
+	
AND	
UND	
UNT	
"Or" identifiers	
OR	
Prefix identifiers	
ADM	ADMIRAL
ADMIRAL	
ADML	ADMIRAL
AMBASSADE	
ARCHDEACON	
ARCHDEALON	
ARCHDEHCOM	
ARCHDERCON	

Word	Equivalent word
ARCHDRACON	
ARCHDUCHESS	
ARCHIBOSHOP	
BARON	
BARONE	
BARONES	
BARONESS	
BARONESSA	
BARONESSE	
BARONNESS	
BARRON	
BARRONESS	
BRIG	
CAPT	BRIGADIER
CAPTAIN	CAPTAIN
CAPTAINNE	
CAPTAN	
CAPTIAN	
CAPTN	
CMTE	CAPTAIN
COL	COMTE
COLONEL	COLONEL
COMDR	
COMM	COMMANDER
COMMANDANT	COMMANDER
COMMANDER	
COMMANDIENT	
COMMANDOR	
COMMANDR	
COMMD	
COMMDR	
COMMDT	
COMTE	
COMTESSE	
CONTESSA	
CORPORAL	
COUNT	
COUNTES	
COUNTESS	
COUNTESSA	
COUNTESSE	
CSS	COUNTESS
DIRECTOR	
DOCTER	
DOCTEUN	
DOCTEUR	
DOCTOR	

Word	Equivalent word
DOWR	DOWAGER
DR	DOCTOR
DUCHESS	
DUCHESSA	
DUCHESS	
FIELDMARSHAL	
FRAU	
FRAULEIN	
GEN	GENERAL
HRH	
JNR	JUNIOR
JR	
JUNR	
KOMMODORE	
LADY	
LIEUT	LIEUTENANT
LORD	
LT	
LT-COL	
MAADAMS	
MADAM	
MADAME	
MADAMME	
MADAMS	
MADM	
MAIRE	MAYOR
MAJ	MAJOR
MAJAR	
MAJER	
MAJESTIC	
MAJESTY	
MAJOR	
MARCHIENNES	
MARCHIONESS	
MARQUIS	
MARQUISA	
MARQUISE	
MARQUSET	
MARQUISSE	
MDDE	
MDDLE	
MDE	
MDELLE	
MDLE	
MDLLE	
MDM	
MDME	

Word	Equivalent word
MDSLE	
MISS	
MLL	
MLLE	
MLLES	
MILLE	
MM	
MME	
MMLLE	
MMME	
MONS	
MONSEIUR	
MONSIEUR	
MONSIEUR	
MONSIEURE	
MONSIEURS	
MONSIGNOR	
MONSIUR	
MONSSIEUR	
MONSUIER	
MONSURES	
MR	
MRS	
MS	
MSLE	
MSLLE	
PRINCE	
PRINCESS	
PRINCESSE	
PRINCESSES	
PRINCIPAL	
PRINCIPALE	
PRINCIPE	
PRINCIPESSA	
PROF	
PROFESOR	
PROFESSEUR	
PROFESSOR	
PROFF	
PROFFESOR	
PROFFESSIR	
PROFFESSOR	
REV	REVEREND
REVD	REVEREND
REVEREND	
RTHON	RT HON
SENORA	

Word	Equivalent word
SIR	
SNR	
SNRA	
VENARCH	VEN ARCHDEACON
VISCONDESSA	
VISCONTE	
VISCOUNT	
VISCOUNTESS	
VISCOUNTESSE	
VIZE	
VT	VISCOUNT

Third party identifiers

EXECUTORS	EXOR
EXIX	EXOR
EXOR	
EXORS	EXOR
FOR	
ONACC	OA
RE	

Suffix identifiers

ABANDONED	
ABROAD	
BENEFICIARIES	
BENEFICE	
BENEFICIANES	
BENEFICIARES	
BENEFICIARIES	
BENEFICIARY	
BENEFICIERES	
CANCEL	
CANCELLED	
DECD	
ESQ	ESQUIRE
ILLEGIBLE	
UNKNOWN	
UNKONWN	
UNKOWN	

Maiden name identifier

NEE	
ADMIN	

Word

Equivalent word

Excluded words

ADMIX

ADMOR

ANON

ANONYME

ANONYMOUS

ANOR

EXTERNAL

RECVR

SETT

George Books country code	Names based on discussion with Working Party
A	Austria
ALB	
B	Belgium
BMA	
BS	Baltic States
BUL	Bulgaria
C	
CHN	China
CI	
CZ	Czechoslovakia
D	Denmark
DEI	
DG	
E	
F	France
FIN	
G	Germany
GR	
H	Holland
HK	
HY	Hungary
I	
IT	
J	Japan
L	
M	
N	
P	Poland
PH	
R	
SP	Spain
T	Thailand
U	Unknown?
Y	Yugoslavia

George Books analysis

Range of reference numbers:	1 to 213,866
Number of missing reference numbers:	3,561
Number of illegible names:	1,360
Number of records with a reference to another George Books record:	1,916
Number of valid George Books items:	207,029

George Books computerisation

We requested two independent punch bureaux to input the George Books documents in to a computer data file format. See boxes ❶ and ❷ on page 69.

We compared the two sets of input by matching the reference numbers together and then comparing the names input by the bureau. See box ❸ on page 69.

Punctuation and spaces were removed from the names for comparison purposes. Therefore, if one bureau had input a double space between two words, this would not cause a mis-match to the other bureau, that had only input one space.

Once the names had been matched by reference number, we identified those items that agreed; i.e. both bureaux had input the same name, and those items which did not agree.

The items that agreed were output to a validated names data file. See box ❹ on page 69.

The items that did not agree were output to a differences data file. See box ❺ on page 69.

The items that did not agree were re-input by one of the bureaux. See box ❻ on page 69.

This third set of input was compared with the differences from the previous two sets of input. The same process to identify agreed names as described above was followed, except that three names were compared instead of two. See box ❼ on page 69.

If any two sets of names agreed, these would be accepted as matched and added to the validated names data file. See box ❽ on page 69.

Any items that still did not agree would need further punching. We provided an estimate to the Working Party of the bureau punch costs and a new solution to resolve a large number of these discrepancies. The new solution involved comparing the three sets of names, but instead of comparing the entire name, individual words would be compared. If any two words out of the three agreed, these would be used to build up a full name. Therefore, a validated name could be assembled by taking individual words from any of the three sets of input.

The Working Party decided that they did not want any further bureau input or to use the new solution. We were requested to add the remaining three sets of discrepancies to the validated George Books list in a non-validated state. See box ❾ on page 69.

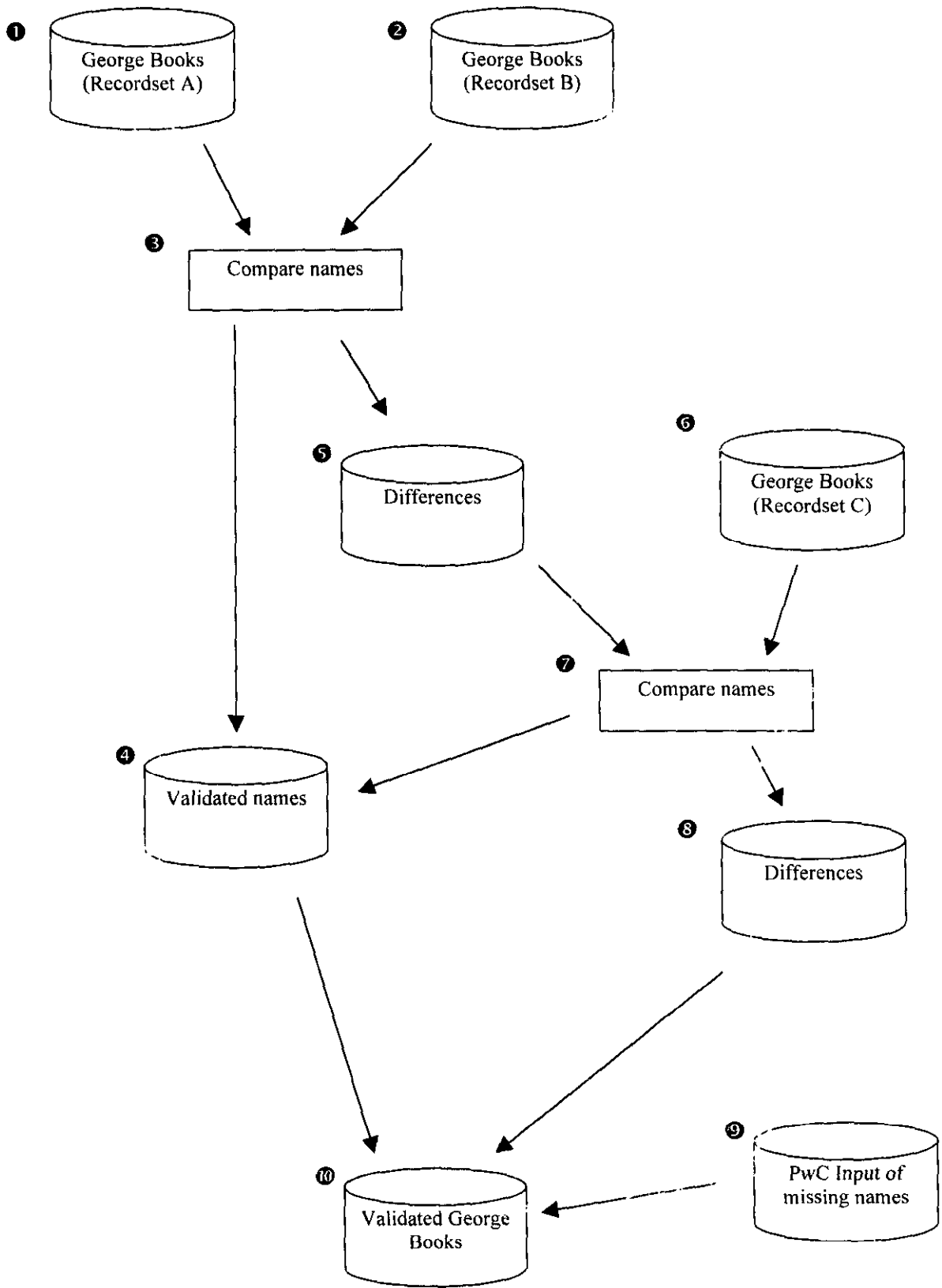
In addition to adding to the validated list items which had three different inputs, we added in items which only had two sets of input. For example, if only one of the two original bureaux' (boxes ❶ and ❷ on page 69) and the third bureau had input that item (box ❻ on page 69), and the names did not agree, both of these items would be added to the validated George Books list in a non-validated state. See box ❾ on page 69.

There were a number of pages that the PRO did not photocopy. Therefore, these items were not supplied to the bureaux for input. We visited the PRO to search for missing pages, missing reference numbers or pages that contained obscured names. The items that we found were input a separate data file. See box ⑨ on page 69.

Once all validated names had been collected together, we identified which reference numbers were missing from the total population sequence on 1 to 213,866. We then manually investigated the George Books to identify if any of the missing items were present. If they were, we input these names into a separate data file. These items are also in box ⑨ on page 69.

The validated George Books were created by combining the validated names (④), PwC input names(⑨), the three sets of names where there were three different sets of input(③) and the two sets of name where there were two different sets of differences(⑧). See box ⑩ on page 69.

"George Book" computerisation



Description of soundex

C soundex

This is a published soundex routine developed in the late 1930's by the US Federal Government National Archives. It was designed to group census information by similar sounding names. It is described on the following website - www.indwes.edu/Faculty/bcupp/genes/soundex.htm

This soundex works by creating an alphanumeric code representing the name. The code consists of the first letter of the name, which remains unchanged, and the following three syllables of the name coded into numbers.

Daitch Mokotoff (DM) soundex

This is a published soundex routine specifically designed to work with Slavic and Yiddish names. It is described on the following website – WWW.JEWISHGEN.ORG.

The routine works by coding sequences of letters in to a numerical code. This code represents up to 6 syllables of a name.

“Considered by many to be the most significant improvement to soundexing systems since the creation of the Russell soundex system in 1918. It is the standard soundex system for all computerised Jewish genealogical databases. The United States Holocaust Memorial Museum in Washington, DC, and the Hebrew Immigrant Aid Society (HIAS) have declared it to be the standard soundex system for their databases.” – source WWW.AVOTAYNU.COM/GMOKOTTOFF.HTML

PwC soundex

This soundex was developed by PwC.

It works by converting the components of a name into their phonetic equivalents. For example, double letters are changed in to single letters; similar sounding letters/groups of letters are changed into common phonetic equivalents. This code represents up to ten syllables.

Process flow of George Books/Bank Data splitting process