

Starting Cohort 5: First-Year Students
SUF-Version 3-0-0
Data Manual [Supplement]:
Anonymisation
Tobias Koberg

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Bamberg, 2013

Starting Cohort 5 of the National Educational Panel Study: Anonymisation procedures and statistical disclosure control

Technical Report

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National Educational Panel Study
University of Bamberg

v 1.0 October 24, 2013

Preamble

This documentation gives an exhaustive explanation of all disclosure risk minimisation techniques applied before dissemination of the Starting Cohort 5 (Students). For a quick reference what is done to the datasets in detail and on which level you will find your desired information, please skip forward to appendix A, where all affected variables are listed.

Specifications

To ensure the best possible confidentiality protection of individuals and individual micro data, the National Educational Panel Study complies with strict international standards. Operationalise those, they have been abstracted to the following two criteria:

1. the disseminated data has been transferred to so called *de facto anonymous data*. Identifiable information is coarsened or cut off and kept securely to minimise the risk of statistical disclosure.
2. the use of data is strictly confidential and for statistical purposes only. The closed contract only grants access to members of the scientific community. This contract has a vast amount of legal stipulations, one of them being a large fine which applies for the realisation of re-identification on purpose. Therefore, the disseminated data is highly protected by law and allows a more flexible range of available data.

To pick up the latter, the NEPS has made a huge effort regarding legal regulations to offer as much analysis power of data as possible. This *paradigm of information esteem* reveals the fact that conducted measures of statistical disclosure control are few. Also, if there really was a need for modification, only non-perturbative methods were used.

Onion-shaped model

The NEPS grants the user three different modes of data access: (1) ***OnSite***, which stands for the opportunity to use the secured infrastructure made available at the NEPS in Bamberg, (2) ***RemoteNEPS***, which is a progressive remote access technology providing a virtual desktop, and finally (3) ***Download***, indicating the possibility to fetch data via a secure web portal.

These given access modes have been originated to allow anonymisation routines for a subtle differentiation of information. The three resulting levels of anonymisation define as follows:

- data provided ***OnSite*** is generally not further anonymised. However, even those data has been rendered *de facto anonymous*, for no disclosure risk to persist. All information contained remains completely sane. Although users have to deal with limited possibilities of data access (i.e. supervised import and export of their results), they are free to work with all data available at the NEPS in a secure environment.

- access via **RemoteNEPS** is considered equivalent to *OnSite*, hence most of the data stays complete.
- as **Download** is assumed to be the most hazardous access mode¹, some more anonymisation techniques are done to the dataset.

Obviously this approach results in three different versions of all involved datasets. To enable a consistent structure, these data files always contain the entire set of variables; it is their content which differs through the three levels.

As normally there is no need to resign aggregated variables in the higher levels (i.e. *OnSite* or *RemoteNEPS*), those are already defined as a surplus to the original variable in the *OnSite*-version. Stepping down to *RemoteNEPS* the content of related variables too sensitive for this level is overwritten with an exclusive missing code – an operation which we define as *purging*. Note that system missing values are not affected, allowing the user to differ between value existence and nonexistence. This still is a valuable additional information. Same applies to *Download*.

While there is no explicit documentation to this fact, it should remain clear that this procedure accumulates, i.e. purged content under *RemoteNEPS* is therefore neither included in *RemoteNEPS* nor in *Download*.

This *onion-shaped* model provides both ease of (1) use of different sensitivity models (e.g. preparing an analysis using the *Download* dataset and conducting it afterwards using the *OnSite*-data) and (2) documentation, for the subject of documentation is the most sensitive level (*OnSite*), with *RemoteNEPS* and *Download* levels being a subset of these data.

The fourth layer *master* depicted below contains every material which is needed during data processing by the NEPS, but is not meant for the scientific community to be usable.

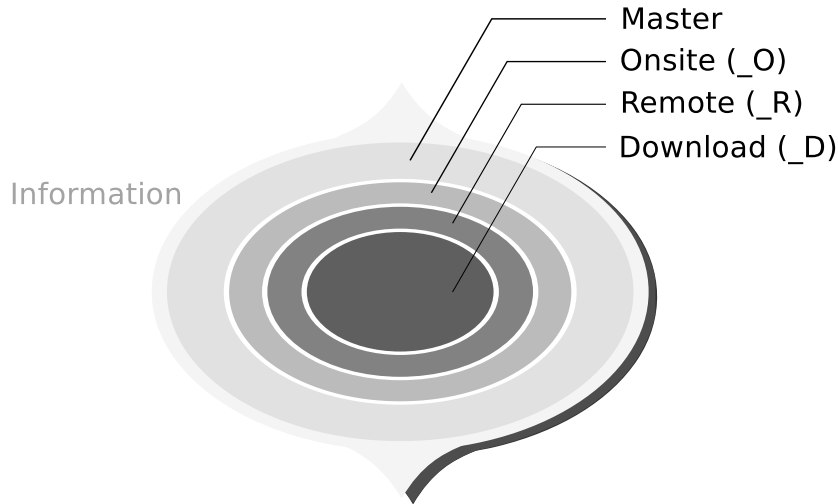


Figure 1: Onion-shaped model defining the different anonymisation levels

¹ ‘hazardous’ in terms of: the downloaded content is no longer under physical control of the NEPS

Technically, this model realizes in a single letter suffixed to dataset and variable names. All datasets available *OnSite* only are marked with an additional **_O**, those available via *RemoteNEPS* with **_R** and *Download* files with **_D**. The same procedure applies when it comes to variable differentiation. A variable which is only available *OnSite* has been suffixed with **_O**. In *RemoteNEPS*-access or *Download*, this variable is still present but purged. If there is an alternate version (mainly with coarsened content) for *RemoteNEPS* (suffix **_R**) or *Download* (suffix **_D**), those can be used. As said before, these are already integrated in the *OnSite* version.

Conducted measures

Keeping the usability and the paradigm of information esteem in mind, only very few alterations are actually done to the dataset. These modifications always account for the fact that information may never be lost completely, but aggregated into coarse categories or variables. Please note that all information is still available somewhere and that only *RemoteNEPS* and (mainly) the *Download* version are constraint in this matter. In fact, roughly 125 variables are modified in some way – which is about seven percent of the whole dataset volume.

Please refer to appendix A for a complete overview of all variables which fell victim to anonymisation.

The following gives an explanatory overview of all measures conducted.

countries and languages All information corresponding to (international) localisation, nationality or languages is only available en full *OnSite* or via *RemoteNEPS*. Variables comprised in the *Download* Scientific Use File (SUF) are aggregated into larger categories – mainly allocating continents and, in detail, states in Europe. For a full list, see appendix B and C.

field/course of studies To prevent an institution from being disclosed by its individual offer of field and course of studies, these informations are available only as the most aggregated value (i.e. first digit of ISCED-97) in the *Download* version. Full characterisation of these values is available from *RemoteNEPS* onwards.

open ended strings All string variables containing actual text are purged in the *RemoteNEPS* version. The information remains accessible *OnSite*. However, all text entries have been reviewed by staff to ensure that absolutely no re-identificational material is included.

regional Information Regional information is not available for NEPS data which has been surveyed in institutional context. This regards places of birth as well as work, school or residence. Only an indicator for west germany and east germany (including Berlin) is available. Please be aware that we still do offer macro indicators *OnSite* (see below).

number of employees Considering self-employed persons, information about the number of salaried employees has been censored to prevent effortless identification of

large entrepreneurs. Therefore, related variables are top-coded at 20 employees. Again, this information is still present via *RemoteNEPS* and *OnSite*.

macro indicators Additional information including structural topography and macro-economic measures has been made available only *OnSite(Microm data)*.

Topic	<i>OnSite</i>	<i>RemoteNEPS</i>	<i>Download</i>
International ¹	full data	full data	collapsed
String variables	anonymised	n/a	n/a
Regional (National)	East/West	East/West	East/West
Institutional context ²	full data	n/a	n/a
Course & field of study	full data	full data	collapsed
Number of employees	full data	full data	top coded
Macro indicators	accessible	n/a	n/a

¹ international geographical information (e.g., nation states, national languages)

³ national localisation is coarsened to west/east germany

Table 1: Availability of sensitive data

For enquiries or further information not covered in this document please feel free to contact `userservice.neps@uni-bamberg.de`.

A Anonymisation sheet

Instrument					
Name	Starting Cohort 5 (Students)				
Stage	7				
Study type	Main survey				
Study number	B52, B53, B54, B55				
Dissemination	Scientific Use File				
Measures					
	data file	variable	label	On-site	RemoteNEPS
Countries & Languages					
	pTargetCATI	t751004_g1	Land des Wohnorts (im Ausland)		purged
	pTargetCATI	t405010_g1	Land des Geburtsorts		purged
	pTargetCATI	t406100_g1	andere Nationalität		purged
	pTargetCATI	t1414000_g1	erste Muttersprache (ISO 639.2)		purged
	pTargetCATI	t1414002_g1	zweite Muttersprache (ISO 639.2)		purged
	pTargetCATI	t141406x_g1	Hilfsvariable: Herkunftssprache (ISO 639.2)		purged
	pTargetCATI	t405070_g1	Geburtsland Mutter		purged
	pTargetCATI	t405081_g1	Wohnland Mutter		purged
	pTargetCATI	t1414100_g1	Mutter: Erstsprache/Muttersprache (ISO 639.2)		purged
	pTargetCATI	t405100_g1	Geburtsland Vater		purged
	pTargetCATI	t405111_g1	Wohnland Vater		purged
	pTargetCATI	t1414120_g1	Vater: Erstsprache/Muttersprache (ISO 639.2)		purged
	pTargetCATI	t405220_g1	Geburtsland der Mutter der Mutter		purged
	pTargetCATI	t405230_g1	Geburtsland der Mutter des Vaters		purged
	pTargetCATI	t405240_g1	Geburtsland des Vaters der Mutter		purged
	pTargetCATI	t405250_g1	Geburtsland des Vaters des Vaters		purged
	pTargetCATI	t418001_g1	Ausländische Sprache Lesen Beruf		purged
	pTargetCATI	t418021_g1	Ausländische Sprache Lesen Studium		purged
	pTargetCATI	t418011_g1	Ausländische Sprache Lesen Freizeit		purged
	spEmp	ts23239_g1	Land der Arbeitsstätte		purged
	spPartner	t407021_g1	Wohnort Partner		purged
	spPartner	ts31205_g1	Geburtsland Partner		purged
	spPartner	ts31208_g1	Geburtsland Vater Partner		purged
	spPartner	ts31210_g1	Geburtsland Mutter Partner		purged
	spSchool	ts11208_g1	Land der Schule		purged
	spVocTrain	ts15218_g1	Land der Ausbildung		purged
	spVocTrain	tg24196_g1	1. Land Auslandsaufenthalt		purged
	spVocTrain	tg24198_g1	2. Land Auslandsaufenthalt		purged
	xTargetCAWI	tg51510	Land der neuen Hochschule		purged
	xTargetCAWI	t42800x_g1	Auswahl Herkunftsland (destatis)		purged
field/course of studies					
	pTargetCATI	tg04001_g1	Studienbereich Fach 1 WS 2010 (destatis)		purged
	pTargetCATI	tg04001_g2	Studienbereichgliederung Sample Fach 1 WS 2010 (destatis)		purged
	pTargetCATI	tg04001_g4	ISCED-97 Fach 1 WS 2010 (3-Steller)		purged
	pTargetCATI	tg04001_g5	ISCED-97 Fach 1 WS 2010 (2-Steller)		purged
	pTargetCATI	tg04004_g1	Studienbereich Fach 2 WS 2010 (destatis)		purged
	pTargetCATI	tg04004_g2	Studienbereichgliederung Sample Fach 2 WS 2010 (destatis)		purged
	pTargetCATI	tg04004_g4	ISCED-97 Fach 2 WS 2010 (3-Steller)		purged
	pTargetCATI	tg04004_g5	ISCED-97 Fach 2 WS 2010 (2-Steller)		purged
	pTargetCATI	tg04007_g1	Studienbereich Fach 3 WS 2010 (destatis WS 2012)		purged
	pTargetCATI	tg04007_g2	Studienbereichgliederung Sample Fach 2 WS 2010 (destatis)		purged
	pTargetCATI	tg04007_g4	ISCED-97 Fach 3 WS 2010 (3-Steller)		purged
	pTargetCATI	tg04007_g5	ISCED-97 Fach 3 WS 2010 (2-Steller)		purged
	pTargetCATI	tg12001_g1	Wunschfach 1 (destatis)		purged
	pTargetCATI	tg12002_g1	Wunschfach 2 (destatis)		purged
	xTargetCAWI	tg51311_g1	Studienbereich Fach 1 (destatis)		purged
	xTargetCAWI	tg51311_g3	ISCED-97 Fach 1 (3-Steller)		purged
	xTargetCAWI	tg51311_g4	ISCED-97 Fach 1 (2-Steller)		purged
	xTargetCAWI	tg51321_g1	Studienbereich Fach 2 (destatis)		purged
	xTargetCAWI	tg51321_g3	ISCED-97 Fach 2 (3-Steller)		purged
	xTargetCAWI	tg51321_g4	ISCED-97 Fach 2 (2-Steller)		purged
	xTargetCAWI	tg51331_g1	Studienbereich Fach 3 (destatis)		purged
	xTargetCAWI	tg51331_g3	ISCED-97 Fach 3 (3-Steller)		purged
	xTargetCAWI	tg51331_g4	ISCED-97 Fach 3 (2-Steller)		purged
	xTargetCAWI	t242400	Hilfsvariable: Bezugsfach für Lernumweltfragen		purged
	spVocTrain	tg24160_g1	Studienbereich Fach 1 (destatis)		purged
	spVocTrain	tg24160_g3	ISCED-97 Fach 1 (3-Steller)		purged
	spVocTrain	tg24160_g4	ISCED-97 Fach 1 (2-Steller)		purged
	spVocTrain	tg24163_g1	Studienbereich Fach 2 (destatis)		purged
	spVocTrain	tg24163_g3	ISCED-97 Fach 2 (3-Steller)		purged
	spVocTrain	tg24163_g4	ISCED-97 Fach 2 (2-Steller)		purged
	spVocTrain	tg24166_g1	Studienbereich Fach 3 (destatis)		purged
	spVocTrain	tg24166_g3	ISCED-97 Fach 3 (3-Steller)		purged
	spVocTrain	tg24166_g4	ISCED-97 Fach 3 (2-Steller)		purged
String variables (Note: all string variables have been approved for reidentification material and anonymised where necessary)					
	pTargetCATI	tg13002	Alternative zum Studium konkret		purged
	pTargetCATI	t731302	anderer Schulabschluss Mutter		purged
	pTargetCATI	t731304	anderer Ausbildungsabschluss Mutter (offen)		purged
	pTargetCATI	t731307	Anderer Hochschulabschluss Mutter (offen)		purged
	pTargetCATI	t731352	anderer Schulabschluss Vater		purged
	pTargetCATI	t731354	anderer Ausbildungsabschluss Vater (offen)		purged
	pTargetCATI	t731357	Anderer Hochschulabschluss Vater (offen)		purged
	pTargetCATI	t272800	Inhalt Kongress		purged
	pTargetCATI	t272801	Inhalt Fachvortrag		purged
	pTargetCATI	t272804	Inhalt Selbstlernprogramm		purged
	spChild	ts33211	Anderer Erwerbsstatus Kind (offene Angabe)		purged
	spChild	ts33213	andere Schulfom Kind		purged
	spChild	ts33215	anderer Schulabschluss Kind		purged
	spChild	ts33217	andere Ausbildung Kind		purged
	spChild	ts33221	anderer Ausbildungsabschluss Kind (offen)		purged
	spChild	ts33224	Anderer Hochschulabschluss Kind (offen)		purged
	spCourses	t272011_w1	Kursinhalt		purged
	spCourses	t272011_w2	Kursinhalt		purged
	spCourses	t272011_w3	Kursinhalt		purged
	spEmp	tg2608c	sonstige Art der studentischen Erwerbstätigkeit		purged
	spFurtherEdu1	t272000	Kursinhalt anderer Kurs		purged
	spFurtherEdu2	t272044	Art Zertifikat		purged
	spGap	ts29102	sonstige Aktivität		purged
	spPartner	ts31213	anderer Schulabschluss Partner		purged
	spPartner	ts31215	anderer Ausbildungsabschluss Partner (offen)		purged
	spPartner	ts31218	Anderer Hochschulabschluss Partner (offen)		purged
	spSchool	ts11206	andere Schulfom		purged
	spSchool	ts11212	anderer Schulabschluss		purged
	spSchool	ts11217	anderer angestrebter Schulabschluss		purged
	spSchool	t24806	1. Abiturfach, offen		purged
	spSchool	t24807	2. Abiturfach, offen		purged
	spSchool	t24808	3. Abiturfach, offen		purged
	spSchool	t24809	4. Abiturfach, offen		purged
	spSchool	t24810	5. Abiturfach, offen		purged
	spSchool	t24902	beruflicher Schwerpunkt, offen		purged
	spVocTrain	ts15220	sonstiger Ausbildungsabschluss		purged
	spVocTrain	ts15222	sonstiger Ausbildungsabschluss		purged
	spVocTrain	tg24202	Lehramtsabschluss genau		purged
	xTargetCAWI	tg51106	akt. Tätigkeit: Sonstiges, offen		purged
	xTargetCAWI	tg51208	Studienorganisation Semester/Trimester, offen		purged
	xTargetCAWI	tg51418	sonstiger angestrebter Abschluss nach Wechsel, offen		purged
	xTargetCAWI	tg51420	angestrebter Lehramtsabschluss		purged
	xTargetCAWI	t291518	sonstige Informationsquellen, offen		purged
	xTargetCAWI	t241006	Sonstiges Beratungsangebot Hochschule, offen		purged
	xTargetCAWI	t242401	Hilfsvariable: Bezugsfach für Lernumweltfragen, offen		purged
	xTargetCAWI	t531029	Sonstige Finanzquelle		purged
	xTargetCAWI	t531009	Studiengebühren Erhebungsintervall Sonstiges, offen		purged
	xTargetCAWI	t436330	sonstige Religionsgemeinschaft		purged
	xTargetCAWI	t406711	anderer Bildungsabschluss Mutter SU		purged
	xTargetCAWI	t406731	anderer Bildungsabschluss Mutter Türkei		purged
	xTargetCAWI	t406811	anderer Bildungsabschluss Vater SU		purged
	xTargetCAWI	t406831	anderer Bildungsabschluss Vater Türkei		purged
Geographical region					
	pTargetCATI	t700101_g1	Geburtsgemeinde (RS West/Ost)	east/west germany	
	pTargetCATI	t751001_g1	Wohngemeinde (RS West/Ost)	east/west germany	
	spEmp	ts23237_g1	Ort der Arbeitsstätte (RS West/Ost)	east/west germany	
	spSchool	ts11202_g1	Gemeinde der Schule (RS West/Ost)	east/west germany	
	spSchool	tg22326_g1	Gemeindenamen des Erwerbs der HZB (RS West/Ost)	east/west germany	
	spVocTrain	ts15207_g1	Gemeinde der Ausbildungsstätte (RS West/Ost)	east/west germany	
Other					
	pTargetCATI	t731406	Anzahl Beschäftigter der Mutter		aggregation
	pTargetCATI	t731456	Anzahl Beschäftigter des Vaters		aggregation
	spPartner	ts31229	Anzahl der Beschäftigten Partner		aggregation
Data files					
	xTargetMicrom			not included	not included

B Country aggregation

[423]	afghanistan	→	[14]	Other Asia
[121]	albania	→	[16]	Other Southern Europe
[221]	algeria	→	[12]	Other Middle East and North Africa
[123]	andorra	→	[16]	Other Southern Europe
[223]	angola	→	[13]	Other Africa
[320]	antigua and barbuda	→	[8]	Central and South America, Caribbean
[323]	argentina	→	[8]	Central and South America, Caribbean
[422]	armenia	→	[7]	Former Soviet Union
[523]	australia	→	[11]	Oceania/Polynesia
[594]	australian dependent territories in australia, oceania, antarctica	→	[11]	Oceania/Polynesia
[151]	austria	→	[9]	Northern and Western Europe
[425]	azerbaijan	→	[7]	Former Soviet Union
[324]	bahamas	→	[8]	Central and South America, Caribbean
[424]	bahrain	→	[12]	Other Middle East and North Africa
[460]	bangladesh	→	[14]	Other Asia
[322]	barbados	→	[8]	Central and South America, Caribbean
[169]	belarus	→	[7]	Former Soviet Union
[124]	belgium	→	[9]	Northern and Western Europe
[330]	belize	→	[8]	Central and South America, Caribbean
[229]	benin	→	[13]	Other Africa
[426]	bhutan	→	[14]	Other Asia
[326]	bolivia, plurinational state of	→	[8]	Central and South America, Caribbean
[122]	bosnia and herzegovina	→	[6]	Former Yugoslavia
[227]	botswana	→	[13]	Other Africa
[327]	brazil	→	[8]	Central and South America, Caribbean
[295]	british dependent territories in africa	→	[9]	Northern and Western Europe
[395]	british dependent territories in america	→	[9]	Northern and Western Europe
[495]	british dependent territories in asia	→	[9]	Northern and Western Europe
[595]	british dependent territories in australia, oceania, antarctica	→	[9]	Northern and Western Europe
[195]	british dependent territories in europe	→	[9]	Northern and Western Europe
[429]	brunei darussalam	→	[14]	Other Asia
[125]	bulgaria	→	[15]	Other Central and Eastern Europe
[258]	burkina faso	→	[13]	Other Africa
[291]	burundi	→	[13]	Other Africa
[446]	cambodia	→	[14]	Other Asia
[262]	cameroon	→	[13]	Other Africa
[348]	canada	→	[10]	North America
[242]	cape verde	→	[13]	Other Africa
[289]	central african republic	→	[13]	Other Africa
[284]	chad	→	[13]	Other Africa
[332]	chile	→	[8]	Central and South America, Caribbean
[479]	china	→	[14]	Other Asia
[349]	colombia	→	[8]	Central and South America, Caribbean
[244]	comoros	→	[13]	Other Africa
[245]	congo	→	[13]	Other Africa
[246]	congo, the democratic republic of the	→	[13]	Other Africa
[527]	cook islands	→	[11]	Oceania/Polynesia
[334]	costa rica	→	[8]	Central and South America, Caribbean
[130]	croatia	→	[6]	Former Yugoslavia
[351]	cuba	→	[8]	Central and South America, Caribbean
[181]	cyprus	→	[16]	Other Southern Europe
[164]	czech republic	→	[15]	Other Central and Eastern Europe
[162]	czechoslovakia	→	[15]	Other Central and Eastern Europe
[231]	côte d'Ivoire	→	[13]	Other Africa
[396]	danish dependent territories in america	→	[9]	Northern and Western Europe
[196]	danish dependent territories in europe	→	[9]	Northern and Western Europe
[126]	denmark	→	[9]	Northern and Western Europe
[230]	djibouti	→	[13]	Other Africa
[333]	dominica	→	[8]	Central and South America, Caribbean
[335]	dominican republic	→	[8]	Central and South America, Caribbean
[392]	dutch dependent territories in america	→	[9]	Northern and Western Europe
[336]	ecuador	→	[8]	Central and South America, Caribbean
[287]	egypt	→	[12]	Other Middle East and North Africa
[337]	el salvador	→	[8]	Central and South America, Caribbean
[274]	equatorial guinea	→	[13]	Other Africa
[224]	eritrea	→	[13]	Other Africa
[127]	estonia	→	[7]	Former Soviet Union
[225]	ethiopia	→	[13]	Other Africa
[526]	fiiji	→	[11]	Oceania/Polynesia
[128]	finland	→	[9]	Northern and Western Europe
[129]	france	→	[9]	Northern and Western Europe
[298]	french dependent territories in africa	→	[9]	Northern and Western Europe
[398]	french dependent territories in america	→	[9]	Northern and Western Europe
[598]	french dependent territories in australia, oceania, antarctica	→	[9]	Northern and Western Europe
[236]	gabon	→	[13]	Other Africa
[237]	gambia	→	[13]	Other Africa
[430]	georgia	→	[7]	Former Soviet Union
[0]	germany	→	[1]	Germany
[238]	ghana	→	[13]	Other Africa
[134]	greece	→	[16]	Other Southern Europe
[340]	grenada	→	[8]	Central and South America, Caribbean
[345]	guatemala	→	[8]	Central and South America, Caribbean

[261]	guinea	→	[13]	Other Africa
[259]	guinea-bissau	→	[13]	Other Africa
[328]	guyana	→	[8]	Central and South America, Caribbean
[346]	haiti	→	[8]	Central and South America, Caribbean
[167]	holy see (vatican city state)	→	[16]	Other Southern Europe
[347]	honduras	→	[8]	Central and South America, Caribbean
[165]	hungary	→	[15]	Other Central and Eastern Europe
[136]	iceland	→	[9]	Northern and Western Europe
[436]	india	→	[14]	Other Asia
[437]	indonesia	→	[14]	Other Asia
[439]	iran, islamic republic of	→	[12]	Other Middle East and North Africa
[438]	iraq	→	[12]	Other Middle East and North Africa
[135]	ireland	→	[9]	Northern and Western Europe
[441]	israel	→	[12]	Other Middle East and North Africa
[137]	italy	→	[2]	Italy
[355]	jamaica	→	[8]	Central and South America, Caribbean
[442]	japan	→	[14]	Other Asia
[445]	jordan	→	[12]	Other Middle East and North Africa
[444]	kazakhstan	→	[7]	Former Soviet Union
[243]	kenya	→	[13]	Other Africa
[530]	kiribati	→	[11]	Oceania/Polynesia
[434]	korea, democratic people's republic of	→	[14]	Other Asia
[467]	korea, republic of	→	[14]	Other Asia
[448]	kuwait	→	[12]	Other Middle East and North Africa
[450]	kyrgyzstan	→	[7]	Former Soviet Union
[449]	lao people's democratic republic	→	[14]	Other Asia
[139]	latvia	→	[7]	Former Soviet Union
[451]	lebanon	→	[12]	Other Middle East and North Africa
[226]	lesotho	→	[13]	Other Africa
[247]	liberia	→	[13]	Other Africa
[248]	libya	→	[12]	Other Middle East and North Africa
[141]	liechtenstein	→	[9]	Northern and Western Europe
[142]	lithuania	→	[7]	Former Soviet Union
[143]	luxembourg	→	[9]	Northern and Western Europe
[144]	macedonia	→	[6]	Former Yugoslavia
[249]	madagascar	→	[13]	Other Africa
[256]	malawi	→	[13]	Other Africa
[482]	malaysia	→	[14]	Other Asia
[454]	maldives	→	[14]	Other Asia
[251]	mali	→	[13]	Other Africa
[145]	malta	→	[16]	Other Southern Europe
[544]	marshall islands	→	[11]	Oceania/Polynesia
[239]	mauritania	→	[13]	Other Africa
[253]	mauritius	→	[13]	Other Africa
[353]	mexico	→	[8]	Central and South America, Caribbean
[545]	micronesia, federated states of	→	[11]	Oceania/Polynesia
[146]	moldova, republic of	→	[7]	Former Soviet Union
[147]	monaco	→	[9]	Northern and Western Europe
[457]	mongolia	→	[14]	Other Asia
[140]	montenegro	→	[6]	Former Yugoslavia
[252]	morocco	→	[12]	Other Middle East and North Africa
[254]	mozambique	→	[13]	Other Africa
[427]	myanmar	→	[14]	Other Asia
[267]	namibia	→	[13]	Other Africa
[531]	nauru	→	[11]	Oceania/Polynesia
[458]	nepal	→	[14]	Other Asia
[148]	netherlands	→	[9]	Northern and Western Europe
[536]	new zealand	→	[11]	Oceania/Polynesia
[590]	new zealand dependent territories in australia, oceania, antarctica	→	[11]	Oceania/Polynesia
[354]	nicaragua	→	[8]	Central and South America, Caribbean
[255]	niger	→	[13]	Other Africa
[232]	nigeria	→	[13]	Other Africa
[533]	niue	→	[11]	Oceania/Polynesia
[149]	norway	→	[9]	Northern and Western Europe
[593]	norwegian dependent territories in australia, oceania, antarctica	→	[9]	Northern and Western Europe
[193]	norwegian dependent territories in europe	→	[9]	Northern and Western Europe
[456]	oman	→	[12]	Other Middle East and North Africa
[499]	other asia	→	[12]	Other Middle East and North Africa
[461]	pakistan	→	[14]	Other Asia
[537]	palau	→	[11]	Oceania/Polynesia
[357]	panama	→	[8]	Central and South America, Caribbean
[538]	papua new guinea	→	[11]	Oceania/Polynesia
[359]	paraguay	→	[8]	Central and South America, Caribbean
[361]	peru	→	[8]	Central and South America, Caribbean
[462]	philippines	→	[14]	Other Asia
[152]	poland	→	[3]	Poland
[153]	portugal	→	[16]	Other Southern Europe
[447]	qatar	→	[12]	Other Middle East and North Africa
[154]	romania	→	[4]	Romania
[160]	russian federation	→	[7]	Former Soviet Union
[265]	rwanda	→	[13]	Other Africa
[370]	saint kitts and nevis	→	[8]	Central and South America, Caribbean
[366]	saint lucia	→	[8]	Central and South America, Caribbean
[369]	saint vincent and the grenadines	→	[8]	Central and South America, Caribbean
[543]	samoa	→	[11]	Oceania/Polynesia
[156]	san marino	→	[16]	Other Southern Europe

[268]	sao tome and principe	→	[13]	Other Africa
[472]	saudi arabia	→	[12]	Other Middle East and North Africa
[269]	senegal	→	[13]	Other Africa
[170]	serbia	→	[6]	Former Yugoslavia
[132]	serbia and montenegro	→	[6]	Former Yugoslavia
[271]	seychelles	→	[13]	Other Africa
[272]	sierra leone	→	[13]	Other Africa
[474]	singapore	→	[14]	Other Asia
[155]	slovakia	→	[15]	Other Central and Eastern Europe
[131]	slovenia	→	[6]	Former Yugoslavia
[524]	solomon islands	→	[11]	Oceania/Polynesia
[273]	somalia	→	[13]	Other Africa
[263]	south africa	→	[13]	Other Africa
[159]	soviet union	→	[7]	Former Soviet Union
[161]	spain	→	[16]	Other Southern Europe
[297]	spanish dependent territories in africa	→	[16]	Other Southern Europe
[431]	sri lanka	→	[14]	Other Asia
[276]	sudan	→	[13]	Other Africa
[364]	suriname	→	[8]	Central and South America, Caribbean
[281]	swaziland	→	[13]	Other Africa
[157]	sweden	→	[9]	Northern and Western Europe
[158]	switzerland	→	[9]	Northern and Western Europe
[475]	syrian arab republic	→	[12]	Other Middle East and North Africa
[465]	taiwan, province of china	→	[14]	Other Asia
[470]	tajikistan	→	[7]	Former Soviet Union
[282]	tanzania, united republic of	→	[13]	Other Africa
[476]	thailand	→	[14]	Other Asia
[483]	timor-leste	→	[14]	Other Asia
[283]	togo	→	[13]	Other Africa
[541]	tonga	→	[11]	Oceania/Polynesia
[371]	trinidad and tobago	→	[8]	Central and South America, Caribbean
[285]	tunisia	→	[12]	Other Middle East and North Africa
[163]	turkey	→	[5]	Turkey
[471]	turkmenistan	→	[7]	Former Soviet Union
[540]	tuvalu	→	[11]	Oceania/Polynesia
[286]	uganda	→	[13]	Other Africa
[166]	ukraine	→	[7]	Former Soviet Union
[469]	united arab emirates	→	[12]	Other Middle East and North Africa
[168]	united kingdom	→	[9]	Northern and Western Europe
[368]	united states	→	[10]	North America
[996]	unknown foreign country	→	[17]	Other
[365]	uruguay	→	[8]	Central and South America, Caribbean
[391]	US dependent territories in america	→	[10]	North America
[591]	US dependent territories in australia, oceania, antarctica	→	[10]	North America
[477]	uzbekistan	→	[7]	Former Soviet Union
[532]	vanuatu	→	[11]	Oceania/Polynesia
[367]	venezuela, bolivarian republic of	→	[8]	Central and South America, Caribbean
[432]	viet nam	→	[14]	Other Asia
[421]	yemen	→	[12]	Other Middle East and North Africa
[120]	yugoslavia	→	[6]	Former Yugoslavia
[257]	zambia	→	[13]	Other Africa
[233]	zimbabwe	→	[13]	Other Africa

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[1010211]	Abkhazian	→	[21]	Other languages
[1010305]	Achinese	→	[19]	Asian languages
[1010308]	Acoli	→	[20]	African languages
[1010401]	Adangme	→	[20]	African languages
[1010118]	Afar	→	[20]	African languages
[1010608]	Afrihili	→	[20]	African languages
[1010618]	Afrikaans	→	[20]	African languages
[1011101]	Akan	→	[20]	African languages
[1011111]	Akkadian	→	[19]	Asian languages
[1011202]	Albanian	→	[21]	Other languages
[1011205]	Aleut	→	[21]	Other languages
[1011207]	Algonquian languages	→	[21]	Other languages
[1202120]	Altaic languages	→	[21]	Other languages
[1011308]	Amharic	→	[20]	African languages
[1011601]	Apache languages	→	[21]	Other languages
[1011801]	Arabic	→	[1]	Arabic
[1011807]	Aragonese	→	[21]	Other languages
[1011816]	Arapaho	→	[21]	Other languages
[1011823]	Arawak	→	[21]	Other languages
[1011813]	Armenian	→	[21]	Other languages
[1011913]	Assamese	→	[19]	Asian languages
[1012008]	Athapascan languages	→	[21]	Other languages
[1012119]	Australian languages	→	[21]	Other languages
[1012201]	Avaric	→	[21]	Other languages

[1012205]	Avestan	→	[19]	Asian languages
[1012301]	Awadhi	→	[19]	Asian languages
[1012513]	Aymara	→	[21]	Other languages
[1012605]	Azerbaijani	→	[21]	Other languages
[1020114]	Balinese	→	[19]	Asian languages
[1020112]	Baluchi	→	[19]	Asian languages
[1020113]	Bambara	→	[20]	African languages
[1020109]	Bamileke languages	→	[20]	African languages
[1020104]	Banda languages	→	[20]	African languages
[1020119]	Basa	→	[20]	African languages
[1020111]	Bashkir	→	[21]	Other languages
[1020117]	Basque	→	[21]	Other languages
[1022011]	Batak languages	→	[19]	Asian languages
[1020510]	Beja; Bedawiyet	→	[20]	African languages
[1020512]	Belarusian	→	[21]	Other languages
[1020513]	Bemba	→	[20]	African languages
[1020514]	Bengali	→	[19]	Asian languages
[1020815]	Bhojpuri	→	[19]	Asian languages
[1020908]	Bihari languages	→	[19]	Asian languages
[1020911]	Bikol	→	[19]	Asian languages
[1020914]	Bini; Edo	→	[20]	African languages
[1020919]	Bislama	→	[21]	Other languages
[1141502]	Bokmål, Norwegian; Norwegian Bokmål	→	[21]	Other languages
[1021519]	Bosnian	→	[2]	Bosnian
[1021801]	Braj	→	[19]	Asian languages
[1021805]	Breton	→	[21]	Other languages
[1022107]	Buginese	→	[19]	Asian languages
[1022112]	Bulgarian	→	[3]	Bulgarian
[1022101]	Buriat	→	[19]	Asian languages
[1022118]	Burmese	→	[19]	Asian languages
[1030104]	Caddo	→	[21]	Other languages
[1030120]	Catalan; Valencian	→	[21]	Other languages
[1030502]	Cebuano	→	[19]	Asian languages
[1110813]	Central Khmer	→	[19]	Asian languages
[1030807]	Chagatai	→	[19]	Asian languages
[1031303]	Chamic languages	→	[19]	Asian languages
[1030801]	Chamorro	→	[21]	Other languages
[1030805]	Chechen	→	[21]	Other languages
[1030818]	Cherokee	→	[21]	Other languages
[1030825]	Cheyenne	→	[21]	Other languages
[1030802]	Chibcha	→	[21]	Other languages
[1142501]	Chichewa; Chewa; Nyanja	→	[20]	African languages
[1030809]	Chinese	→	[19]	Asian languages
[1030814]	Chinook jargon	→	[21]	Other languages
[1030816]	Chipewyan; Dene Suline	→	[21]	Other languages
[1030815]	Choctaw	→	[21]	Other languages
[1030821]	Church Slavic; Old Slavonic; Church Slavonic; Old Bulgarian; Old Church Slavonic	→	[21]	Other languages
[1030811]	Chuukese	→	[19]	Asian languages
[1030822]	Chuvash	→	[21]	Other languages
[1192503]	Classical Syriac	→	[19]	Asian languages
[1031516]	Coptic	→	[20]	African languages
[1031518]	Cornish	→	[21]	Other languages
[1031519]	Corsican	→	[21]	Other languages
[1031805]	Cree	→	[21]	Other languages
[1132119]	Creek	→	[21]	Other languages
[1031816]	Creoles and pidgins	→	[21]	Other languages
[1031605]	Creoles and pidgins, English based	→	[21]	Other languages
[1081822]	Croatian	→	[9]	Croatian
[1032605]	Czech	→	[21]	Other languages
[1040111]	Dakota	→	[21]	Other languages
[1040114]	Danish	→	[21]	Other languages
[1040512]	Delaware	→	[21]	Other languages
[1040914]	Dinka	→	[20]	African languages
[1040922]	Divehi; Dhivehi; Maldivian	→	[19]	Asian languages
[1041509]	Dogri	→	[19]	Asian languages
[1040718]	Dogrib	→	[21]	Other languages
[1042101]	Duala	→	[20]	African languages
[1042113]	Dutch, Middle (ca.1050-1350)	→	[21]	Other languages
[1042120]	Dutch; Flemish	→	[21]	Other languages
[1042521]	Dyula	→	[20]	African languages
[1042615]	Dzongkha	→	[19]	Asian languages
[1050609]	Efik	→	[20]	African languages
[1050725]	Egyptian (Ancient)	→	[20]	African languages
[1051101]	Eka-juk	→	[20]	African languages
[1051224]	Elamite	→	[19]	Asian languages
[1051407]	English	→	[5]	English
[1051413]	English, Middle (1100-1500)	→	[21]	Other languages
[1011407]	English, Old (ca.450-1100)	→	[21]	Other languages
[1051615]	Esperanto	→	[21]	Other languages
[1051920]	Estonian	→	[21]	Other languages
[1052305]	Ewe	→	[20]	African languages
[1052315]	Ewondo	→	[20]	African languages
[1060114]	Fang	→	[20]	African languages
[1060120]	Fanti	→	[20]	African languages
[1060115]	Faroeese	→	[21]	Other languages
[1060910]	Fijian	→	[21]	Other languages

[1060914]	Finnish	→	[21]	Other languages
[1061514]	Fon	→	[20]	African languages
[1061805]	French	→	[6]	French
[1061813]	French, Middle (ca.1400-1600)	→	[21]	Other languages
[1061815]	French, Old (842-ca.1400)	→	[21]	Other languages
[1062118]	Friulian	→	[21]	Other languages
[1062112]	Fulah	→	[20]	African languages
[1070101]	Ga	→	[20]	African languages
[1071201]	Gaelic; Scottish Gaelic	→	[21]	Other languages
[1030118]	Galibi Carib	→	[21]	Other languages
[1071207]	Galician	→	[21]	Other languages
[1122107]	Ganda	→	[20]	African languages
[1070125]	Gayo	→	[19]	Asian languages
[1070201]	Gbaya	→	[20]	African languages
[1070526]	Geez	→	[20]	African languages
[1070515]	Georgian	→	[21]	Other languages
[1070518]	German	→	[4]	German
[1071308]	German, Middle High (ca.1050-1500)	→	[21]	Other languages
[1071508]	German, Old High (ca.750-1050)	→	[21]	Other languages
[1070912]	Gilbertese	→	[21]	Other languages
[1071514]	Gondi	→	[19]	Asian languages
[1071518]	Gorontalo	→	[21]	Other languages
[1071520]	Gothic	→	[21]	Other languages
[1071802]	Grebo	→	[20]	African languages
[1071803]	Greek, Ancient (to 1453)	→	[7]	Greek
[1071805]	Greek, Modern (1453-)	→	[7]	Greek
[1071814]	Guarani	→	[21]	Other languages
[1072110]	Gujarati	→	[19]	Asian languages
[1072309]	Gwich'in	→	[21]	Other languages
[1080109]	Haida	→	[21]	Other languages
[1080120]	Haitian; Haitian Creole	→	[21]	Other languages
[1080121]	Hausa	→	[20]	African languages
[1080123]	Hawaiian	→	[21]	Other languages
[1080502]	Hebrew	→	[19]	Asian languages
[1080518]	Herero	→	[20]	African languages
[1080912]	Hiligaynon	→	[19]	Asian languages
[1080913]	Himachali languages; Western Pahari languages	→	[19]	Asian languages
[1080914]	Hindi	→	[19]	Asian languages
[1081315]	Hiri Motu	→	[21]	Other languages
[1080920]	Hittite	→	[19]	Asian languages
[1081314]	Hmong; Mong	→	[19]	Asian languages
[1082114]	Hungarian	→	[21]	Other languages
[1082116]	Hupa	→	[21]	Other languages
[1090201]	Iban	→	[19]	Asian languages
[1090305]	Icelandic	→	[21]	Other languages
[1090415]	Ido	→	[21]	Other languages
[1090215]	Igbo	→	[20]	African languages
[1091015]	Ijo languages	→	[20]	African languages
[1091215]	Iloko	→	[19]	Asian languages
[1091404]	Indonesian	→	[19]	Asian languages
[1091401]	Interlingua (International Auxiliary Language Association)	→	[21]	Other languages
[1091205]	Interlingue; Occidental	→	[21]	Other languages
[1091121]	Inuktitut	→	[21]	Other languages
[1091611]	Inupiaq	→	[21]	Other languages
[1071205]	Irish	→	[21]	Other languages
[1130701]	Irish, Middle (900-1200)	→	[21]	Other languages
[1190701]	Irish, Old (to 900)	→	[21]	Other languages
[1091815]	Iroquoian languages	→	[21]	Other languages
[1092001]	Italian	→	[8]	Italian
[1101614]	Japanese	→	[19]	Asian languages
[1100122]	Javanese	→	[19]	Asian languages
[1101802]	Judeo-Arabic	→	[19]	Asian languages
[1101618]	Judeo-Persian	→	[19]	Asian languages
[1110102]	Kabyle	→	[20]	African languages
[1110103]	Kachin; Jingpho	→	[19]	Asian languages
[1110112]	Kalaallisut; Greenlandic	→	[21]	Other languages
[1110113]	Kamba	→	[20]	African languages
[1110114]	Kannada	→	[19]	Asian languages
[1110121]	Kanuri	→	[20]	African languages
[1110101]	Kara-Kalpak	→	[19]	Asian languages
[1110118]	Karen languages	→	[19]	Asian languages
[1110119]	Kashmiri	→	[19]	Asian languages
[1110123]	Kawi	→	[19]	Asian languages
[1110126]	Kazakh	→	[19]	Asian languages
[1110801]	Khasi	→	[19]	Asian languages
[1110815]	Khotanese; Sakan	→	[19]	Asian languages
[1110911]	Kikuyu; Gikuyu	→	[20]	African languages
[1111302]	Kimbundu	→	[20]	African languages
[1110914]	Kinyarwanda	→	[20]	African languages
[1110918]	Kirghiz; Kyrgyz	→	[19]	Asian languages
[1111513]	Komi	→	[21]	Other languages
[1111514]	Kongo	→	[20]	African languages
[1111511]	Konkani	→	[19]	Asian languages
[1111518]	Korean	→	[19]	Asian languages
[1111519]	Kosraean	→	[21]	Other languages
[1111605]	Kpelle	→	[20]	African languages

[1111815]	Kru languages	→	[20]	African languages
[1112101]	Kuanyama; Kwanyama	→	[20]	African languages
[1112113]	Kumyk	→	[19]	Asian languages
[1112118]	Kurdish	→	[10]	Kurdish
[1111821]	Kurukh	→	[19]	Asian languages
[1112120]	Kutenai	→	[21]	Other languages
[1120104]	Ladino	→	[21]	Other languages
[1120108]	Lahnda	→	[19]	Asian languages
[1120113]	Lamba	→	[20]	African languages
[1040125]	Land Dayak languages	→	[19]	Asian languages
[1120115]	Lao	→	[19]	Asian languages
[1120120]	Latin	→	[21]	Other languages
[1120122]	Latvian	→	[21]	Other languages
[1120526]	Lezghian	→	[19]	Asian languages
[1120913]	Limburgan; Limburger; Limburgish	→	[21]	Other languages
[1120914]	Lingala	→	[20]	African languages
[1120920]	Lithuanian	→	[21]	Other languages
[1121526]	Lozi	→	[20]	African languages
[1122102]	Luba-Katanga	→	[20]	African languages
[1122101]	Luba-Lulua	→	[20]	African languages
[1122109]	Luiseno	→	[21]	Other languages
[1122114]	Lunda	→	[20]	African languages
[1122115]	Luo (Kenya and Tanzania)	→	[20]	African languages
[1122119]	Lushai	→	[19]	Asian languages
[1122026]	Luxembourgish; Letzeburgesch	→	[21]	Other languages
[1130103]	Macedonian	→	[21]	Other languages
[1130104]	Madurese	→	[19]	Asian languages
[1130107]	Magahi	→	[19]	Asian languages
[1130109]	Maithili	→	[19]	Asian languages
[1130111]	Makasar	→	[19]	Asian languages
[1131207]	Malagasy	→	[20]	African languages
[1130125]	Malay	→	[19]	Asian languages
[1130112]	Malayalam	→	[19]	Asian languages
[1131220]	Maltese	→	[21]	Other languages
[1131403]	Manchu	→	[19]	Asian languages
[1130418]	Mandar	→	[19]	Asian languages
[1130114]	Mandingo	→	[20]	African languages
[1131409]	Manipuri	→	[19]	Asian languages
[1131415]	Manobo languages	→	[19]	Asian languages
[1071222]	Manx	→	[21]	Other languages
[1130115]	Maori	→	[21]	Other languages
[1011814]	Mapudungun; Mapuche	→	[21]	Other languages
[1130118]	Marathi	→	[19]	Asian languages
[1030813]	Mari	→	[21]	Other languages
[1130108]	Marshallese	→	[21]	Other languages
[1132318]	Marwari	→	[19]	Asian languages
[1130119]	Masai	→	[20]	African languages
[1132514]	Mayan languages	→	[21]	Other languages
[1130514]	Mende	→	[20]	African languages
[1130903]	Mi'kmaq; Micmac	→	[21]	Other languages
[1130914]	Minangkabau	→	[19]	Asian languages
[1131508]	Mohawk	→	[21]	Other languages
[1121512]	Mongo	→	[20]	African languages
[1131514]	Mongolian	→	[19]	Asian languages
[1131519]	Mossi	→	[20]	African languages
[1132114]	Munda languages	→	[19]	Asian languages
[1140108]	Nahuatl languages	→	[21]	Other languages
[1140121]	Nauru	→	[21]	Other languages
[1140122]	Navajo; Navaho	→	[21]	Other languages
[1140405]	Ndebele, North; North Ndebele	→	[20]	African languages
[1140212]	Ndebele, South; South Ndebele	→	[20]	African languages
[1140415]	Ndonga	→	[20]	African languages
[1140523]	Nepal Bhasa; Newari	→	[19]	Asian languages
[1140516]	Nepali	→	[19]	Asian languages
[1140901]	Nias	→	[19]	Asian languages
[1140921]	Niuean	→	[21]	Other languages
[1141514]	Norse, Old	→	[21]	Other languages
[1191305]	Northern Sami	→	[21]	Other languages
[1141518]	Norwegian	→	[21]	Other languages
[1141415]	Norwegian Nynorsk; Nynorsk, Norwegian	→	[21]	Other languages
[1142513]	Nyamwezi	→	[20]	African languages
[1142514]	Nyankole	→	[20]	African languages
[1142515]	Nyoro	→	[20]	African languages
[1142609]	Nzima	→	[20]	African languages
[1150309]	Occitan (post 1500); Provençal	→	[21]	Other languages
[1011803]	Official Aramaic (700-300 BCE); Imperial Aramaic (700-300 BCE)	→	[19]	Asian languages
[1151009]	Ojibwa	→	[21]	Other languages
[1151809]	Oriya	→	[19]	Asian languages
[1151813]	Oromo	→	[20]	African languages
[1151901]	Osage	→	[21]	Other languages
[1151919]	Ossetian; Ossetic	→	[19]	Asian languages
[1152015]	Otomian languages	→	[21]	Other languages
[1160112]	Pahlavi	→	[21]	Other languages
[1160121]	Palauan	→	[21]	Other languages
[1161209]	Pali	→	[19]	Asian languages
[1160113]	Pampanga; Kapampangan	→	[19]	Asian languages

[1160107]	Pangasinan	→	[19]	Asian languages
[1160114]	Panjabi; Punjabi	→	[19]	Asian languages
[1160116]	Papiamentu	→	[21]	Other languages
[1141915]	Pedi; Sepedi; Northern Sotho	→	[20]	African languages
[1160518]	Persian	→	[19]	Asian languages
[1160515]	Persian, Old (ca.600-400 B.C.)	→	[19]	Asian languages
[1160814]	Phoenician	→	[19]	Asian languages
[1161514]	Pohnpeian	→	[19]	Asian languages
[1161512]	Polish	→	[11]	Polish
[1161518]	Portuguese	→	[12]	Portuguese
[1161801]	Prakrit languages	→	[19]	Asian languages
[1161815]	Provençal, Old (to 1500)	→	[21]	Other languages
[1162119]	Pusho; Pashto	→	[19]	Asian languages
[1172105]	Quechua	→	[21]	Other languages
[1180110]	Rajasthani	→	[19]	Asian languages
[1180116]	Rapanui	→	[21]	Other languages
[1180118]	Rarotongan; Cook Islands Maori	→	[21]	Other languages
[1182113]	Romanian; Moldavian; Moldovan	→	[14]	Romanian
[1181508]	Romansh	→	[21]	Other languages
[1181513]	Romany	→	[21]	Other languages
[1182114]	Rundi	→	[20]	African languages
[1182119]	Russian	→	[13]	Russian
[1190112]	Salishan languages	→	[21]	Other languages
[1190113]	Samaritan Aramaic	→	[19]	Asian languages
[1191309]	Sami languages	→	[21]	Other languages
[1191315]	Samoan	→	[21]	Other languages
[1190104]	Sandawe	→	[20]	African languages
[1190107]	Sango	→	[20]	African languages
[1190114]	Sanskrit	→	[19]	Asian languages
[1190120]	Santali	→	[19]	Asian languages
[1191804]	Sardinian	→	[21]	Other languages
[1190119]	Sasak	→	[19]	Asian languages
[1190315]	Scots	→	[21]	Other languages
[1190512]	Selkup	→	[19]	Asian languages
[1191816]	Serbian	→	[15]	Serbian
[1191818]	Serer	→	[20]	African languages
[1190814]	Shan	→	[19]	Asian languages
[1191401]	Shona	→	[20]	African languages
[1190904]	Sidamo	→	[20]	African languages
[1021201]	Siksika	→	[21]	Other languages
[1191404]	Sindhi	→	[19]	Asian languages
[1190914]	Sinhala; Sinhalese	→	[19]	Asian languages
[1190915]	Siouan languages	→	[21]	Other languages
[1191201]	Slavic languages	→	[20]	African languages
[1191215]	Slovak	→	[21]	Other languages
[1191222]	Slovenian	→	[21]	Other languages
[1191507]	Sogdian	→	[19]	Asian languages
[1191513]	Somali	→	[20]	African languages
[1191514]	Songhai languages	→	[20]	African languages
[1191411]	Soninke	→	[20]	African languages
[1230514]	Sorbian languages	→	[21]	Other languages
[1191520]	Sotho, Southern	→	[20]	African languages
[1191601]	Spanish; Castilian	→	[16]	Spanish
[1192111]	Sukuma	→	[20]	African languages
[1192124]	Sumerian	→	[19]	Asian languages
[1192114]	Sundanese	→	[19]	Asian languages
[1192119]	Susu	→	[20]	African languages
[1192301]	Swahili	→	[20]	African languages
[1191923]	Swati	→	[20]	African languages
[1192305]	Swedish	→	[21]	Other languages
[1200712]	Tagalog	→	[19]	Asian languages
[1200108]	Tahitian	→	[21]	Other languages
[1200711]	Tajik	→	[19]	Asian languages
[1201308]	Tamashek	→	[20]	African languages
[1200113]	Tamil	→	[19]	Asian languages
[1200120]	Tatar	→	[19]	Asian languages
[1200512]	Telugu	→	[19]	Asian languages
[1200518]	Terenó	→	[21]	Other languages
[1200520]	Tetum	→	[19]	Asian languages
[1200801]	Thai	→	[19]	Asian languages
[1200902]	Tibetan	→	[19]	Asian languages
[1200907]	Tigre	→	[20]	African languages
[1200918]	Tigrinya	→	[20]	African languages
[1200513]	Timne	→	[20]	African languages
[1200922]	Tiv	→	[20]	African languages
[1201209]	Tlingit	→	[21]	Other languages
[1201609]	Tok Pisin	→	[21]	Other languages
[1201112]	Tokelau	→	[21]	Other languages
[1201507]	Tonga (Nyasa)	→	[20]	African languages
[1201514]	Tonga (Tonga Islands)	→	[21]	Other languages
[1201909]	Tsimshian	→	[21]	Other languages
[1201915]	Tsonga	→	[20]	African languages
[1201914]	Tswana	→	[20]	African languages
[1202113]	Tumbuka	→	[20]	African languages
[1202118]	Turkish	→	[17]	Turkish
[1152001]	Turkish, Ottoman (1500-1928)	→	[19]	Asian languages

[1202111]	Turkmen	→	[19]	Asian languages
[1202212]	Tuvalu	→	[21]	Other languages
[1202522]	Tuvinian	→	[19]	Asian languages
[1202309]	Twi	→	[20]	African languages
[1210701]	Ugaritic	→	[19]	Asian languages
[1210907]	Uighur; Uyghur	→	[19]	Asian languages
[1211118]	Ukrainian	→	[21]	Other languages
[1211302]	Umbundu	→	[20]	African languages
[1211804]	Urdu	→	[19]	Asian languages
[1212602]	Uzbek	→	[19]	Asian languages
[1220109]	Vai	→	[20]	African languages
[1220514]	Venda	→	[20]	African languages
[1220905]	Vietnamese	→	[18]	Vietnamese
[1221512]	Volapük	→	[21]	Other languages
[1221520]	Votic	→	[21]	Other languages
[1230111]	Wakashan languages	→	[21]	Other languages
[1230112]	Walamo	→	[20]	African languages
[1231214]	Walloon	→	[21]	Other languages
[1230118]	Waray	→	[19]	Asian languages
[1230119]	Washo	→	[21]	Other languages
[1230512]	Welsh	→	[21]	Other languages
[1061825]	Western Frisian	→	[21]	Other languages
[1231512]	Wolof	→	[20]	African languages
[1240815]	Xhosa	→	[20]	African languages
[1190108]	Yakut	→	[19]	Asian languages
[1250115]	Yao	→	[20]	African languages
[1250116]	Yapese	→	[19]	Asian languages
[1250904]	Yiddish	→	[21]	Other languages
[1251518]	Yoruba	→	[20]	African languages
[1251611]	Yupik languages	→	[21]	Other languages
[1261404]	Zande languages	→	[20]	African languages
[1260116]	Zapotec	→	[21]	Other languages
[1260514]	Zenaga	→	[20]	African languages
[1260801]	Zhuang; Chuang	→	[19]	Asian languages
[1262112]	Zulu	→	[20]	African languages
[1262114]	Zuni	→	[21]	Other languages