

Locale identifier (LCID) definitions

Microsoft Windows NT locale identifier (LCID) specification

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Summary

The locale identifier (LCID) is used in different parts of Microsoft Windows NT and later. This document focuses on locale identifier that are used in the Microsoft Outlook Message API (MAPI) and in the multi language resource data of Windows executables.

This document is intended as a working document for the locale identifier (LCID) specification. Which should allow existing Open Source forensic tooling to be able to process this data type.

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Abstract: This document contains information about the Windows NT locale identifier (LCID).

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Version

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Table of Contents

1. The LCID structure.....	1
1.1. Sort orders.....	1
1.2. Language identifiers.....	2
1.2.1. Language identifiers 0x0000 - 0x00ff.....	2
1.2.2. Language identifiers 0x0400 - 0x04ff.....	6
1.2.3. Language identifiers 0x0800 - 0x08ff.....	9
1.2.4. Language identifiers 0x0c00 - 0x0cff.....	10
1.2.5. Language identifiers 0x1000 - 0x10ff.....	11
1.2.6. Language identifiers 0x1400 - 0x14ff.....	11
1.2.7. Language identifiers 0x1800 - 0x18ff.....	11
1.2.8. Language identifiers 0x1c00 - 0x1cff.....	12
1.2.9. Language identifiers 0x2000 - 0x20ff.....	12
1.2.10. Language identifiers 0x2400 - 0x24ff.....	12
1.2.11. Language identifiers 0x2800 - 0x28ff.....	12
1.2.12. Language identifiers 0x2c00 - 0x2cff.....	13
1.2.13. Language identifiers 0x3000 - 0x30ff.....	13
1.2.14. Language identifiers 0x3400 - 0x34ff.....	13
1.2.15. Language identifiers 0x3800 - 0x38ff.....	13
1.2.16. Language identifiers 0x3c00 - 0x3cff.....	14
1.2.17. Language identifiers 0x4000 - 0x40ff.....	14
Appendix A. References.....	16
Appendix B. GNU Free Documentation License.....	16

1. The LCID structure

Language Code Identifiers (LCID) structure to define codepages. This structure consists of:

offset	size	value	description
0 (LSB)	16 bits		Language identifier
2	4 bits		Sort order
2.4	12 bits		Reserved

1.1. Sort orders

Value	Identifier	Description
0x00	SORT_CHINESE_BIG5	Chinese BIG5 order
0x00	SORT_CHINESE_PRCP	PRC Chinese phonetic order
0x00	SORT_DEFAULT	Default sort order
0x00	SORT_GEORGIAN_TRADITIONAL	Georgian traditional order
0x00	SORT_HUNGARIAN_DEFAULT	Hungarian default order
0x00	SORT_JAPANESE_XJIS	Japanese XJIS order
0x00	SORT_KOREAN_KSC	Korean KSC order
0x01	SORT_CHINESE_UNICODE	Chinese Unicode order
0x01	SORT_GEORGIAN_MODERN	Georgian modern order
0x01	SORT_GERMAN_PHONE_BOOK	German phone book order
0x01	SORT_HUNGARIAN_TECHNICAL	Hungarian technical order
0x01	SORT_JAPANESE_UNICODE	Japanese Unicode order
0x01	SORT_KOREAN_UNICODE	Korean Unicode order
0x02	SORT_CHINESE_PRC	PRC Chinese stroke count order
0x03	SORT_CHINESE_BOPOMOFO	Traditional Chinese Bopomofo order
0x04	SORT_CHINESE_RADICALSTROKE	Chinese radical/stroke order
0x04	SORT_JAPANESE_RADICALSTROKE	Japanese radical/stroke sort order

1.2. Language identifiers

The IETF language tags are defined by Best Current Practice (BCP) 47, which is currently Request for Comments (RFC) 4646 and 4647.

A database of the language identifiers is maintained by IANA:
<http://www.iana.org/assignments/language-subtag-registry>

1.2.1. Language identifiers 0x0000 - 0x00ff

Value	Language identifier	Language
0x0001	ar	Arabic
0x0002	bg	Bulgarian
0x0003	ca	Catalan
0x0004	zh-Hans	Chinese, Han (Simplified variant)
0x0005	cs	Czech
0x0006	da	Danish
0x0007	de	German
0x0008	el	Modern Greek (1453-)
0x0009	en	English
0x000a	es	Spanish
0x000b	fi	Finnish
0x000c	fr	French
0x000d	he	Hebrew
0x000e	hu	Hungarian
0x000f	is	Icelandic
0x0010	it	Italian
0x0011	ja	Japanese
0x0012	ko	Korean
0x0013	nl	Dutch
0x0014	no	Norwegian
0x0015	pl	Polish
0x0016	pt	Portuguese
0x0017	rm	Romansh
0x0018	ro	Romanian
0x0019	ru	Russian
0x001a	hr	Croatian
0x001b	sk	Slovak
0x001c	sq	Albanian

Value	Language identifier	Language
0x001d	sv	Swedish
0x001e	th	Thai
0x001f	tr	Turkish
0x0020	ur	Urdu
0x0021	id	Indonesian
0x0022	uk	Ukrainian
0x0023	be	Belarusian
0x0024	sl	Slovenian
0x0025	et	Estonian
0x0026	lv	Latvian
0x0027	lt	Lithuanian
0x0028	tg	Tajik
0x0029	fa	Persian
0x002a	vi	Vietnamese
0x002b	hy	Armenian
0x002c	az	Azerbaijani
0x002d	eu	Basque
0x002e	hsb	Upper Sorbian
0x002f	mk	Macedonian
0x0032	tn	Tswana
0x0034	xh	Xhosa
0x0035	zu	Zulu
0x0036	af	Afrikaans
0x0037	ka	Georgian
0x0038	fo	Faroese
0x0039	hi	Hindi
0x003a	mt	Maltese
0x003b	se	Northern Sami
0x003c	ga	Irish
0x003e	ms	Malay (macrolanguage)
0x003f	kk	Kazakh
0x0040	ky	Kirghiz

Value	Language identifier	Language
0x0041	sw	Swahili (macrolanguage)
0x0042	tk	Turkmen
0x0043	uz	Uzbek
0x0044	tt	Tatar
0x0045	bn	Bengali
0x0046	pa	Panjabi
0x0047	gu	Gujarati
0x0048	or	Oriya
0x0049	ta	Tamil
0x004a	te	Telugu
0x004b	kn	Kannada
0x004c	ml	Malayalam
0x004d	as	Assamese
0x004e	mr	Marathi
0x004f	sa	Sanskrit
0x0050	mn	Mongolian
0x0051	bo	Tibetan
0x0052	cy	Welsh
0x0053	km	Central Khmer
0x0054	lo	Lao
0x0056	gl	Galician
0x0057	kok	Konkani (macrolanguage)
0x005a	syr	Syriac
0x005b	si	Sinhala
0x005d	iu	Inuktitut
0x005e	am	Amharic
0x005f	tzm	Central Atlas Tamazight
0x0061	ne	Nepali
0x0062	fy	Western Frisian
0x0063	ps	Pushto
0x0064	fil	Filipino

Value	Language identifier	Language
0x0065	dv	Dhivehi
0x0068	ha	Hausa
0x006a	yo	Yoruba
0x006b	quz	Cusco Quechua
0x006c	nso	Pedi
0x006d	ba	Bashkir
0x006e	lb	Luxembourgish
0x006f	kl	Kalaallisut
0x0070	ig	Igbo
0x0078	ii	Sichuan Yi
0x007a	arn	Mapudungun
0x007c	moh	Mohawk
0x007e	br	Breton
0x0080	ug	Uighur
0x0081	mi	Maori
0x0082	oc	Occitan (post 1500)
0x0083	co	Corsican
0x0084	gsw	Swiss German
0x0085	sah	Yakut
0x0086	qut	
0x0087	rw	Kinyarwanda
0x0088	wo	Wolof
0x008c	prs	Dari
0x0091	gd	Scottish Gaelic

1.2.2. Language identifiers 0x0400 - 0x04ff

Value	Language identifier	Language
0x0401	ar-SA	Arabic, Saudi Arabia
0x0402	bg-BG	Bulgarian, Bulgaria
0x0403	ca-ES	Catalan, Spain
0x0404	zh-TW	Chinese, Taiwan, Province of China
0x0405	cs-CZ	Czech, Czech Republic
0x0406	da-DK	Danish, Denmark
0x0407	de-DE	German, Germany
0x0408	el-GR	Modern Greek (1453-), Greece
0x0409	en-US	English, United States
0x040a	es-ES_tradnl	Spanish
0x040b	fi-FI	Finnish, Finland
0x040c	fr-FR	French, France
0x040d	he-IL	Hebrew, Israel
0x040e	hu-HU	Hungarian, Hungary
0x040f	is-IS	Icelandic, Iceland
0x0410	it-IT	Italian, Italy
0x0411	ja-JP	Japanese, Japan
0x0412	ko-KR	Korean, Republic of Korea
0x0413	nl-NL	Dutch, Netherlands
0x0414	nb-NO	Norwegian Bokmål, Norway
0x0415	pl-PL	Polish, Poland
0x0416	pt-BR	Portuguese, Brazil
0x0417	rm-CH	Romansh, Switzerland
0x0418	ro-RO	Romanian, Romania
0x0419	ru-RU	Russian, Russian Federation
0x041a	hr-HR	Croatian, Croatia
0x041b	sk-SK	Slovak, Slovakia
0x041c	sq-AL	Albanian, Albania
0x041d	sv-SE	Swedish, Sweden
0x041e	th-TH	Thai, Thailand
0x041f	tr-TR	Turkish, Turkey
0x0420	ur-PK	Urdu, Pakistan
0x0421	id-ID	Indonesian, Indonesia
0x0422	uk-UA	Ukrainian, Ukraine

Value	Language identifier	Language
0x0423	be-BY	Belarusian, Belarus
0x0424	sl-SI	Slovenian, Slovenia
0x0425	et-EE	Estonian, Estonia
0x0426	lv-LV	Latvian, Latvia
0x0427	lt-LT	Lithuanian, Lithuania
0x0428	tg-Cyrl-TJ	Tajik, Cyrillic, Tajikistan
0x0429	fa-IR	Persian, Islamic Republic of Iran
0x042a	vi-VN	Vietnamese, Viet Nam
0x042b	hy-AM	Armenian, Armenia
0x042c	az-Latn-AZ	Azerbaijani, Latin, Azerbaijan
0x042d	eu-ES	Basque, Spain
0x042e	wen-DE	Sorbian languages, Germany
0x042f	mk-MK	Macedonian, The Former Yugoslav Republic of Macedonia
0x0430	st-ZA	Southern Sotho, South Africa
0x0431	ts-ZA	Tsonga, South Africa
0x0432	tn-ZA	Tswana, South Africa
0x0433	ven-ZA	South Africa
0x0434	xh-ZA	Xhosa, South Africa
0x0435	zu-ZA	Zulu, South Africa
0x0436	af-ZA	Afrikaans, South Africa
0x0437	ka-GE	Georgian, Georgia
0x0438	fo-FO	Faroese, Faroe Islands
0x0439	hi-IN	Hindi, India
0x043a	mt-MT	Maltese, Malta
0x043b	se-NO	Northern Sami, Norway
0x043e	ms-MY	Malay (macrolanguage), Malaysia
0x043f	kk-KZ	Kazakh, Kazakhstan
0x0440	ky-KG	Kirghiz, Kyrgyzstan
0x0441	sw-KE	Swahili (macrolanguage), Kenya
0x0442	tk-TM	Turkmen, Turkmenistan
0x0443	uz-Latn-UZ	Uzbek, Latin, Uzbekistan
0x0444	tt-RU	Tatar, Russian Federation
0x0445	bn-IN	Bengali, India
0x0446	pa-IN	Panjabi, India
0x0447	gu-IN	Gujarati, India

Value	Language identifier	Language
0x0448	or-IN	Oriya, India
0x0449	ta-IN	Tamil, India
0x044a	te-IN	Telugu, India
0x044b	kn-IN	Kannada, India
0x044c	ml-IN	Malayalam, India
0x044d	as-IN	Assamese, India
0x044e	mr-IN	Marathi, India
0x044f	sa-IN	Sanskrit, India
0x0450	mn-MN	Mongolian, Mongolia
0x0451	bo-CN	Tibetan, China
0x0452	cy-GB	Welsh, United Kingdom
0x0453	km-KH	Central Khmer, Cambodia
0x0454	lo-LA	Lao, Lao People's Democratic Republic
0x0455	my-MM	Burmese, Myanmar
0x0456	gl-ES	Galician, Spain
0x0457	kok-IN	Konkani (macrolanguage), India
0x0458	mni	Manipuri
0x0459	sd-IN	Sindhi, India
0x045a	syr-SY	Syriac, Syrian Arab Republic
0x045b	si-LK	Sinhala, Sri Lanka
0x045c	chr-US	Cherokee, United States
0x045d	iu-Cans-CA	Inuktitut, Unified Canadian Aboriginal Syllabics, Canada
0x045e	am-ET	Amharic, Ethiopia
0x045f	tmz	Tamanaku
0x0461	ne-NP	Nepali, Nepal
0x0462	fy-NL	Western Frisian, Netherlands
0x0463	ps-AF	Pushto, Afghanistan
0x0464	fil-PH	Filipino, Philippines
0x0465	dv-MV	Dhivehi, Maldives
0x0466	bin-NG	Bini, Nigeria
0x0467	fuv-NG	Nigerian Fulfulde, Nigeria
0x0468	ha-Latn-NG	Hausa, Latin, Nigeria
0x0469	ibb-NG	Ibibio, Nigeria
0x046a	yo-NG	Yoruba, Nigeria
0x046b	quz-BO	Cusco Quechua, Bolivia

Value	Language identifier	Language
0x046c	nso-ZA	Pedi, South Africa
0x046d	ba-RU	Bashkir, Russian Federation
0x046e	lb-LU	Luxembourgish, Luxembourg
0x046f	kl-GL	Kalaallisut, Greenland
0x0470	ig-NG	Igbo, Nigeria
0x0471	kr-NG	Kanuri, Nigeria
0x0472	gaz-ET	West Central Oromo, Ethiopia
0x0473	ti-ER	Tigrinya, Eritrea
0x0474	gn-PY	Guarani, Paraguay
0x0475	haw-US	Hawaiian, United States
0x0477	so-SO	Somali, Somalia
0x0478	ii-CN	Sichuan Yi, China
0x0479	pap-AN	Papiamentu, Netherlands Antilles
0x047a	arn-CL	Mapudungun, Chile
0x047c	moh-CA	Mohawk, Canada
0x047e	br-FR	Breton, France
0x0480	ug-CN	Uighur, China
0x0481	mi-NZ	Maori, New Zealand
0x0482	oc-FR	Occitan (post 1500), France
0x0483	co-FR	Corsican, France
0x0484	gsw-FR	Swiss German, France
0x0485	sah-RU	Yakut, Russian Federation
0x0486	qut-GT	Guatemala
0x0487	rw-RW	Kinyarwanda, Rwanda
0x0488	wo-SN	Wolof, Senegal
0x048c	prs-AF	Dari, Afghanistan
0x048d	plt-MG	Plateau Malagasy, Madagascar
0x0491	gd-GB	Scottish Gaelic, United Kingdom

1.2.3. Language identifiers 0x0800 - 0x08ff

Value	Language identifier	Language
0x0801	ar-IQ	Arabic, Iraq
0x0804	zh-CN	Chinese, China
0x0807	de-CH	German, Switzerland
0x0809	en-GB	English, United Kingdom

Value	Language identifier	Language
0x080a	es-MX	Spanish, Mexico
0x080c	fr-BE	French, Belgium
0x0810	it-CH	Italian, Switzerland
0x0813	nl-BE	Dutch, Belgium
0x0814	nn-NO	Norwegian Nynorsk, Norway
0x0816	pt-PT	Portuguese, Portugal
0x0818	ro-MO	Romanian, Macao
0x0819	ru-MO	Russian, Macao
0x081a	sr-Latn-CS	Serbian, Latin, Serbia and Montenegro
0x081d	sv-FI	Swedish, Finland
0x0820	ur-IN	Urdu, India
0x082c	az-Cyrl-AZ	Azerbaijani, Cyrillic, Azerbaijan
0x082e	dsb-DE	Lower Sorbian, Germany
0x083b	se-SE	Northern Sami, Sweden
0x083c	ga-IE	Irish, Ireland
0x083e	ms-BN	Malay (macrolanguage), Brunei Darussalam
0x0843	uz-Cyrl-UZ	Uzbek, Cyrillic, Uzbekistan
0x0845	bn-BD	Bengali, Bangladesh
0x0846	pa-PK	Panjabi, Pakistan
0x0850	mn-Mong-CN	Mongolian, Mongolian, China
0x0851	bo-BT	Tibetan, Bhutan
0x0859	sd-PK	Sindhi, Pakistan
0x085d	iu-Latn-CA	Inuktitut, Latin, Canada
0x085f	tzm-Latn-DZ	Central Atlas Tamazight, Latin, Algeria
0x0861	ne-IN	Nepali, India
0x086b	quz-EC	Cusco Quechua, Ecuador
0x0873	ti-ET	Tigrinya, Ethiopia

1.2.4. Language identifiers 0x0c00 - 0x0cff

Value	Language identifier	Language
0x0c01	ar-EG	Arabic, Egypt
0x0c04	zh-HK	Chinese, Hong Kong
0x0c07	de-AT	German, Austria
0x0c09	en-AU	English, Australia
0x0c0a	es-ES	Spanish, Spain

Value	Language identifier	Language
0x0c0c	fr-CA	French, Canada
0x0c1a	sr-Cyrl-CS	Serbian, Cyrillic, Serbia and Montenegro
0x0c3b	se-FI	Northern Sami, Finland
0x0c5f	tmz-MA	Tamanaku, Morocco
0x0c6b	quz-PE	Cusco Quechua, Peru

1.2.5. Language identifiers 0x1000 - 0x10ff

Value	Language identifier	Language
0x1001	ar-LY	Arabic, Libyan Arab Jamahiriya
0x1004	zh-SG	Chinese, Singapore
0x1007	de-LU	German, Luxembourg
0x1009	en-CA	English, Canada
0x100a	es-GT	Spanish, Guatemala
0x100c	fr-CH	French, Switzerland
0x101a	hr-BA	Croatian, Bosnia and Herzegovina
0x103b	smj-NO	Lule Sami, Norway

1.2.6. Language identifiers 0x1400 - 0x14ff

Value	Language identifier	Language
0x1401	ar-DZ	Arabic, Algeria
0x1404	zh-MO	Chinese, Macao
0x1407	de-LI	German, Liechtenstein
0x1409	en-NZ	English, New Zealand
0x140a	es-CR	Spanish, Costa Rica
0x140c	fr-LU	French, Luxembourg
0x141a	bs-Latn-BA	Bosnian, Latin, Bosnia and Herzegovina
0x143b	smj-SE	Lule Sami, Sweden

1.2.7. Language identifiers 0x1800 - 0x18ff

Value	Language identifier	Language
0x1801	ar-MA	Arabic, Morocco
0x1809	en-IE	English, Ireland
0x180a	es-PA	Spanish, Panama
0x180c	fr-MC	French, Monaco

Value	Language identifier	Language
0x181a	sr-Latn-BA	Serbian, Latin, Bosnia and Herzegovina
0x183b	sma-NO	Southern Sami, Norway

1.2.8. Language identifiers 0x1c00 - 0x1cff

Value	Language identifier	Language
0x1c01	ar-TN	Arabic, Tunisia
0x1c09	en-ZA	English, South Africa
0x1c0a	es-DO	Spanish, Dominican Republic
0x1c0c	fr-West	French
0x1c1a	sr-Cyrl-BA	Serbian, Cyrillic, Bosnia and Herzegovina
0x1c3b	sma-SE	Southern Sami, Sweden

1.2.9. Language identifiers 0x2000 - 0x20ff

Value	Language identifier	Language
0x2001	ar-OM	Arabic, Oman
0x2009	en-JM	English, Jamaica
0x200a	es-VE	Spanish, Venezuela
0x200c	fr-RE	French, Réunion
0x201a	bs-Cyrl-BA	Bosnian, Cyrillic, Bosnia and Herzegovina
0x203b	sms-FI	Skolt Sami, Finland

1.2.10. Language identifiers 0x2400 - 0x24ff

Value	Language identifier	Language
0x2401	ar-YE	Arabic, Yemen
0x2409	en-CB	English
0x240a	es-CO	Spanish, Colombia
0x240c	fr-CG	French, Congo
0x241a	sr-Latn-RS	Serbian, Latin, Serbia
0x243b	smn-FI	Inari Sami, Finland

1.2.11. Language identifiers 0x2800 - 0x28ff

Value	Language identifier	Language
0x2801	ar-SY	Arabic, Syrian Arab Republic

Value	Language identifier	Language
0x2809	en-BZ	English, Belize
0x280a	es-PE	Spanish, Peru
0x280c	fr-SN	French, Senegal
0x281a	sr-Cyrl-RS	Serbian, Cyrillic, Serbia

1.2.12. Language identifiers 0x2c00 - 0x2cff

Value	Language identifier	Language
0x2c01	ar-JO	Arabic, Jordan
0x2c09	en-TT	English, Trinidad and Tobago
0x2c0a	es-AR	Spanish, Argentina
0x2c0c	fr-CM	French, Cameroon
0x2c1a	sr-Latn-ME	Serbian, Latin, Montenegro

1.2.13. Language identifiers 0x3000 - 0x30ff

Value	Language identifier	Language
0x3001	ar-LB	Arabic, Lebanon
0x3009	en-ZW	English, Zimbabwe
0x300a	es-EC	Spanish, Ecuador
0x300c	fr-CI	French, Côte d'Ivoire
0x301a	sr-Cyrl-ME	Serbian, Cyrillic, Montenegro

1.2.14. Language identifiers 0x3400 - 0x34ff

Value	Language identifier	Language
0x3401	ar-KW	Arabic, Kuwait
0x3409	en-PH	English, Philippines
0x340a	es-CL	Spanish, Chile
0x340c	fr-ML	French, Mali

1.2.15. Language identifiers 0x3800 - 0x38ff

Value	Language identifier	Language
0x3801	ar-AE	Arabic, United Arab Emirates
0x3809	en-ID	English, Indonesia
0x380a	es-UY	Spanish, Uruguay

Value	Language identifier	Language
0x380c	fr-MA	French, Morocco

1.2.16. Language identifiers 0x3c00 - 0x3cff

Value	Language identifier	Language
0x3c01	ar-BH	Arabic, Bahrain
0x3c09	en-HK	English, Hong Kong
0x3c0a	es-PY	Spanish, Paraguay
0x3c0c	fr-HT	French, Haiti

1.2.17. Language identifiers 0x4000 - 0x40ff

Value	Language identifier	Language
0x4001	ar-QA	Arabic, Qatar
0x4009	en-IN	English, India
0x400a	es-BO	Spanish, Bolivia

Value	Language identifier	Language
0x4409	en-MY	English, Malaysia
0x440a	es-SV	Spanish, El Salvador

Value	Language identifier	Language
0x4809	en-SG	English, Singapore
0x480a	es-HN	Spanish, Honduras
0x4c0a	es-NI	Spanish, Nicaragua

Value	Language identifier	Language
0x500a	es-PR	Spanish, Puerto Rico

Value	Language identifier	Language
0x540a	es-US	Spanish, United States

Value	Language identifier	Language
0x641a	bs-Cyrl	Bosnian, Cyrillic

Value	Language identifier	Language
0x681a	bs-Latn	Bosnian, Latin

Value	Language identifier	Language
0x6c1a	sr-Cyrl	Serbian, Cyrillic

Value	Language identifier	Language
0x701a	sr-Latn	Serbian, Latin
0x703b	smn	Inari Sami

Value	Language identifier	Language
0x742c	az-Cyrl	Azerbaijani, Cyrillic
0x743b	sms	Skolt Sami

Value	Language identifier	Language
0x7804	zh	Chinese
0x7814	nn	Norwegian Nynorsk
0x781a	bs	Bosnian
0x782c	az-Latn	Azerbaijani, Latin
0x783b	sma	Southern Sami
0x7843	uz-Cyrl	Uzbek, Cyrillic
0x7850	mn-Cyrl	Mongolian, Cyrillic
0x785d	iu-Cans	Inuktitut, Unified Canadian Aboriginal Syllabics

Value	Language identifier	Language
0x7c04	zh-Hant	Chinese, Han (Traditional variant)
0x7c14	nb	Norwegian Bokmål
0x7c1a	sr	Serbian
0x7c28	tg-Cyrl	Tajik, Cyrillic
0x7c2e	dsb	Lower Sorbian
0x7c3b	smj	Lule Sami
0x7c43	uz-Latn	Uzbek, Latin
0x7c50	mn-Mong	Mongolian, Mongolian
0x7c5d	iu-Latn	Inuktitut, Latin
0x7c5f	tzm-Latn	Central Atlas Tamazight, Latin
0x7c68	ha-Latn	Hausa, Latin

Appendix A. References

[MSDN]

Title: Microsoft Developer Network

URL: <http://msdn.microsoft.com/en-us/goglobal/bb964664>

Appendix B. GNU Free Documentation License

Version 1.1, March 2000

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