Universal Serial Bus (USB)

Language Identifiers (LANGIDs)

3/29/00

Version 1.0

Please send comments via electronic mail to:
hidcomments@usb.org

Preface

Intellectual Property Disclaimer

THIS SPECIFICATION IS PROVIDED "AS IS" WITH NO WARRANTIES WHATSOEVER INCLUDING ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY WARRANTY OTHERWISE ARISING OUT OF ANY PROPOSAL, SPECIFICATION, OR SAMPLE.

A LICENSE IS HEREBY GRANTED TO REPRODUCE AND DISTRIBUTE THIS SPECIFICATION FOR INTERNAL USE ONLY. NO OTHER LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE, TO ANY OTHER INTELLECTUAL PROPERTY RIGHTS IS GRANTED OR INTENDED HEREBY.

AUTHORS OF THIS SPECIFICATION DISCLAIM ALL LIABILITY, INCLUDING LIABILITY FOR INFRINGEMENT OF PROPRIETARY RIGHTS, RELATING TO IMPLEMENTATION OF INFORMATION IN THIS SPECIFICATION. AUTHORS OF THIS SPECIFICATION ALSO DO NOT WARRANT OR REPRESENT THAT SUCH IMPLEMENTATION(S) WILL NOT INFRINGE SUCH RIGHTS.

All product names are trademarks, registered trademarks, or service marks of their respective owners.

USB LANGIDs

March 22, 2000

A USB device can store stings in multiple languages. i.e. the string index defines which word or phrase should be communicated to the user (like "Format" or "Insert Disk") and the LANGID code identifies to a device, which language (German, Chinese, etc.) to retrieve that word or phase for. This document defines the LANGIDs currently defined for USB devices.

Note: to support forward compatibility, system software must allow the enumeration and selection of LANGIDs that are not currently on this list. And system software should never request a LANGID not defined in the LANGID code array (string index = 0) presented by a device.

The strings defined in the "Predefined Symbol" columns can be used to generate header files for the Primary Language and Sublanguage Identifiers.

Language Identifiers

The following are 16-bit language identifiers. They are composed of a 10-bit (9-0) Primary Language Identifier and a 6-bit (15-10) Sublanguage Identifier. The Primary Language and Sublanguage Identifiers are defined in following sections.

Identifier	Language
0x0436	Afrikaans
0x041c	Albanian
0x0401	Arabic (Saudi Arabia)
0x0801	Arabic (Iraq)
0x0c01	Arabic (Egypt)
0x1001	Arabic (Libya)
0x1401	Arabic (Algeria)
0x1801	Arabic (Morocco)
0x1c01	Arabic (Tunisia)
0x2001	Arabic (Oman)
0x2401	Arabic (Yemen)
0x2801	Arabic (Syria)
0x2c01	Arabic (Jordan)
0x3001	Arabic (Lebanon)
0x3401	Arabic (Kuwait)
0x3801	Arabic (U.A.E.)
0x3c01	Arabic (Bahrain)
0x4001	Arabic (Qatar)
0x042b	Armenian.
0x044d	Assamese.
0x042c	Azeri (Latin)
0x082c	Azeri (Cyrillic)
0x042d	Basque
0x0423	Belarussian
0x0445	Bengali.
0x0402	Bulgarian
0x0455	Burmese
0x0403	Catalan
0x0404	Chinese (Taiwan)
0x0804	Chinese (PRC)
0x0c04	Chinese (Hong Kong SAR, PRC)
0x1004	Chinese (Singapore)

Identifier	Language
0x1404	Chinese (Macau SAR)
0x041a	Croatian
0x0405	Czech
0x0406	Danish
0x0413	Dutch (Netherlands)
0x0813	Dutch (Belgium)
0x0409	English (United States)
0x0809	English (United Kingdom)
0x0c09	English (Australian)
0x1009	English (Canadian)
0x1409	English (New Zealand)
0x1809	English (Ireland)
0x1c09	English (South Africa)
0x2009	English (Jamaica)
0x2409	English (Caribbean)
0x2809	English (Belize)
0x2c09	English (Trinidad)
0x3009	English (Zimbabwe)
0x3409	English (Philippines)
0x0425	Estonian
0x0438	Faeroese
0x0429	Farsi
0x040b	Finnish
0x040c	French (Standard)
0x080c	French (Belgian)
0x0c0c	French (Canadian)
0x100c	French (Switzerland)
0x140c	French (Luxembourg)
0x180c	French (Monaco)
0x0437	Georgian.
0x0407	German (Standard)
0x0807	German (Switzerland)
0x0c07	German (Austria)
0x1007	German (Luxembourg)
0x1407	German (Liechtenstein)
0x0408	Greek
0x0447	Gujarati.
0x040d	Hebrew
0x0439	Hindi.
0x040e	Hungarian
0x040f	Icelandic
0x0421	Indonesian
0x0410	Italian (Standard)
0x0810	Italian (Switzerland)
0x0411	Japanese
0x044b	Kannada.
0x0860	Kashmiri (India)
0x043f	Kazakh
0x0457	Konkani.
0x0412	Korean
0x0812	Korean (Johab)
0x0426	Latvian
0x0427	Lithuanian
0x0827	Lithuanian (Classic)
0x042f	Macedonian

Identifier	Language
0x043e	Malay (Malaysian)
0x083e	Malay (Brunei Darussalam)
0x044c	Malayalam.
0x0458	Manipuri
0x044e	Marathi.
0x0861	Nepali (India).
0x0414	Norwegian (Bokmal)
0x0814	Norwegian (Nynorsk)
0x0448	Oriya.
0x0415	Polish
0x0416	Portuguese (Brazil)
0x0816	Portuguese (Standard)
0x0446	Punjabi.
0x0418	Romanian
0x0419	Russian
0x044f	Sanskrit.
0x0c1a	Serbian (Cyrillic)
0x081a	Serbian (Latin)
0x0459	Sindhi
0x041b	Slovak
0x0424	Slovenian
0x040a	Spanish (Traditional Sort)
0x080a	Spanish (Mexican)
0x0c0a	Spanish (Modern Sort)
0x100a	Spanish (Guatemala)
0x140a	Spanish (Costa Rica)
0x180a	Spanish (Panama)
0x1c0a	Spanish (Dominican Republic)
0x200a	Spanish (Venezuela)
0x240a	Spanish (Colombia)
0x280a	Spanish (Peru)
0x2c0a	Spanish (Argentina)
0x300a	Spanish (Ecuador)
0x340a	Spanish (Chile)
0x380a	Spanish (Uruguay)
0x3c0a	Spanish (Paraguay)
0x400a	Spanish (Bolivia)
0x440a	Spanish (El Salvador)
0x480a	Spanish (Honduras)
0x4c0a	Spanish (Nicaragua)
0x500a	Spanish (Puerto Rico)
0x0430	Sutu
0x0441	Swahili (Kenya)
0x041d	Swedish
0x081d	Swedish (Finland)
0x0449	Tamil.
0x0444	Tatar (Tatarstan)
0x044a	Telugu.
0x041e	Thai
0x041f	Turkish
0x0422	Ukrainian
0x0420	Urdu (Pakistan)
0x0820	Urdu (India)
0x0443	Uzbek (Latin)
0x0843	Uzbek (Cyrillic)

Identifier	Language
0x042a	Vietnamese
0x04ff	HID (Usage Data Descriptor)
0xf0ff	HID (Vendor Defined 1)
0xf4ff	HID (Vendor Defined 2)
0xf8ff	HID (Vendor Defined 3)
0xfcff	HID (Vendor Defined 4)

Primary Language Identifiers

The following are the 10-bit primary language identifiers. They can be combined with Sublanguage Identifier to form Language Identifiers.

Identifier	Predefined symbol	Language
0x00		Reserved
0x01	LANG_ARABIC	Arabic
0x02	LANG_BULGARIAN	Bulgarian
0x03	LANG_CATALAN	Catalan
0x04	LANG_CHINESE	Chinese
0x05	LANG_CZECH	Czech
0x06	LANG_DANISH	Danish
0x07	LANG_GERMAN	German
0x08	LANG_GREEK	Greek
0x09	LANG_ENGLISH	English
0x0a	LANG_SPANISH	Spanish
0x0b	LANG_FINNISH	Finnish
0x0c	LANG_FRENCH	French
0x0d	LANG_HEBREW	Hebrew
0x0e	LANG_HUNGARIAN	Hungarian
0x0f	LANG_ICELANDIC	Icelandic
0x10	LANG_ITALIAN	Italian
0x11	LANG_JAPANESE	Japanese
0x12	LANG_KOREAN	Korean
0x13	LANG_DUTCH	Dutch
0x14	LANG_NORWEGIAN	Norwegian
0x15	LANG_POLISH	Polish
0x16	LANG_PORTUGUESE	Portuguese
0x18	LANG_ROMANIAN	Romanian
0x19	LANG_RUSSIAN	Russian
0x1a	LANG_CROATIAN	Croatian
0x1a	LANG_SERBIAN	Serbian
0x1b	LANG_SLOVAK	Slovak
0x1c	LANG_ALBANIAN	Albanian
0x1d	LANG_SWEDISH	Swedish
0x1e	LANG_THAI	Thai
0x1f	LANG_TURKISH	Turkish
0x20	LANG_URDU	Urdu
0x21	LANG_INDONESIAN	Indonesian
0x22	LANG_UKRANIAN	Ukrainian
0x23	LANG_BELARUSIAN	Belarusian
0x24	LANG_SLOVENIAN	Slovenian
0x25	LANG_ESTONIAN	Estonian
0x26	LANG_LATVIAN	Latvian
0x27	LANG_LITHUANIAN	Lithuanian
0x29	LANG_FARSI	Farsi
0x2a	LANG_VIETNAMESE	Vietnamese
0x2b	LANG_ARMENIAN	Armenian
0x2c	LANG_AZERI	Azeri
0x2d	LANG_BASQUE	Basque
0x2f	LANG_MACEDONIAN	Macedonian
0x36	LANG_AFRIKAANS	Afrikaans
0x37	LANG_GEORGIAN	Georgian
0x38	LANG_FAEROESE	Faeroese

Identifier	Predefined symbol	Language
0x39	LANG_HINDI	Hindi
0x3e	LANG_MALAY	Malay
0x3f	LANG_KAZAK	Kazak
0x41	LANG_SWAHILI	Swahili
0x43	LANG_UZBEK	Uzbek
0x44	LANG_TATAR	Tatar
0x45	LANG_BENGALI	Bengali
0x46	LANG_PUNJABI	Punjabi
0x47	LANG_GUJARATI	Gujarati
0x48	LANG_ORIYA	Oriya
0x49	LANG_TAMIL	Tamil
0x4a	LANG_TELUGU	Telugu
0x4b	LANG_KANNADA	Kannada
0x4c	LANG_MALAYALAM	Malayalam
0x4d	LANG_ASSAMESE	Assamese
0x4e	LANG_MARATHI	Marathi
0x4f	LANG_SANSKRIT	Sanskrit
0x57	LANG_KONKANI	Konkani
0x58	LANG_MANIPURI	Manipuri
0x59	LANG_SINDHI	Sindhi
0x60	LANG_KASHMIRI	Kashmiri
0x61	LANG_NEPALI	Nepali
0x62-0xfe		Reserved
0xff	LANG_HID	Reserved for USB HID Class use
0x100-0x3ff		Reserved

SubLanguage Identifiers

The following are sublanguage identifiers. They can be combined with Primary Language Identifier to form Language Identifier.

Identifier	Predefined symbol	Language
0x00-0x02		Reserved
0x01	SUBLANG_ARABIC_SAUDI_ARABIA	Arabic (Saudi Arabia)
0x02	SUBLANG_ARABIC_IRAQ	Arabic (Iraq)
0x03	SUBLANG_ARABIC_EGYPT	Arabic (Egypt)
0x04	SUBLANG_ARABIC_LIBYA	Arabic (Libya)
0x05	SUBLANG_ARABIC_ALGERIA	Arabic (Algeria)
0x06	SUBLANG_ARABIC_MOROCCO	Arabic (Morocco)
0x07	SUBLANG_ARABIC_TUNISIA	Arabic (Tunisia)
0x08	SUBLANG_ARABIC_OMAN	Arabic (Oman)
0x09	SUBLANG_ARABIC_YEMEN	Arabic (Yemen)
0x10	SUBLANG_ARABIC_SYRIA	Arabic (Syria)
0x11	SUBLANG_ARABIC_JORDAN	Arabic (Jordan)
0x12	SUBLANG_ARABIC_LEBANON	Arabic (Lebanon)
0x13	SUBLANG_ARABIC_KUWAIT	Arabic (Kuwait)
0x14	SUBLANG_ARABIC_UAE	Arabic (U.A.E.)
0x15	SUBLANG_ARABIC_BAHRAIN	Arabic (Bahrain)
0x16	SUBLANG_ARABIC_QATAR	Arabic (Qatar)
0x01	SUBLANG_AZERI_CYRILLIC	Azeri (Cyrillic)
0x02	SUBLANG_AZERI_LATIN	Azeri (Latin)
0x01	SUBLANG_CHINESE_TRADITIONAL	Chinese (Traditional)
0x02	SUBLANG_CHINESE_SIMPLIFIED	Chinese (Simplified)
0x03	SUBLANG_CHINESE_HONGKONG	Chinese (Hong Kong SAR, PRC)
0x04	SUBLANG_CHINESE_SINGAPORE	Chinese (Singapore)
0x05	SUBLANG_CHINESE_MACAU	Chinese (Macau SAR)
0x01	SUBLANG_DUTCH	Dutch
0x02	SUBLANG_DUTCH_BELGIAN	Dutch (Belgian)
0x01	SUBLANG_ENGLISH_US	English (US)
0x02	SUBLANG_ENGLISH_UK	English (UK)
0x03	SUBLANG_ENGLISH_AUS	English (Australian)
0x04	SUBLANG_ENGLISH_CAN	English (Canadian)
0x05	SUBLANG_ENGLISH_NZ	English (New Zealand)
0x06	SUBLANG_ENGLISH_EIRE	English (Ireland)
0x07	SUBLANG_ENGLISH_SOUTH_AFRICA	English (South Africa)
0x08	SUBLANG_ENGLISH_JAMAICA	English (Jamaica)
0x09	SUBLANG_ENGLISH_CARIBBEAN	English (Caribbean)
0x0a	SUBLANG_ENGLISH_BELIZE	English (Belize)
0x0b	SUBLANG_ENGLISH_TRINIDAD	English (Trinidad)
0x0c	SUBLANG_ENGLISH_PHILIPPINES	English (Zimbabwe)
0x0d	SUBLANG_ENGLISH_ZIMBABWE	English (Philippines)
0x01	SUBLANG_FRENCH	French
0x02	SUBLANG_FRENCH_BELGIAN	French (Belgian)
0x03	SUBLANG_FRENCH_CANADIAN	French (Canadian)
0x04	SUBLANG_FRENCH_SWISS	French (Swiss)
0x05	SUBLANG_FRENCH_LUXEMBOURG	French (Luxembourg)
0x06	SUBLANG_FRENCH_MONACO	French (Monaco)
0x01	SUBLANG_GERMAN	German
0x02	SUBLANG_GERMAN_SWISS	German (Swiss)
0x03	SUBLANG_GERMAN_AUSTRIAN	German (Austrian)
0x04	SUBLANG_GERMAN_LUXEMBOURG	German (Luxembourg)

Identifier	Predefined symbol	Language
0x05	SUBLANG_GERMAN_LIECHTENSTEIN	German (Liechtenstein)
0x01	SUBLANG_ITALIAN	Italian
0x02	SUBLANG_ITALIAN_SWISS	Italian (Swiss)
0x02	SUBLANG_KASHMIRI_INDIA	Kashmiri (India)
0x01	SUBLANG_KOREAN	Korean
0x01	SUBLANG_LITHUANIAN	Lithuanian
0x01	SUBLANG_MALAY_MALAYSIA	Malay (Malaysia)
0x02	SUBLANG_MALAY_BRUNEI_DARUSSALAM	Malay (Brunei Darassalam)
0x02	SUBLANG_NEPALI_INDIA	Nepali (India)
0x01	SUBLANG_NORWEGIAN_BOKMAL	Norwegian (Bokmal)
0x02	SUBLANG_NORWEGIAN_NYNORSK	Norwegian (Nynorsk)
0x01	SUBLANG_PORTUGUESE	Portuguese (Brazilian)
0x02	SUBLANG_PORTUGUESE_BRAZILIAN	Portuguese
0x02	SUBLANG_SERBIAN_LATIN	Serbian (Latin)
0x03	SUBLANG_SERBIAN_CYRILLIC	Serbian (Cyrillic)
0x01	SUBLANG_SPANISH	Spanish (Castilian)
0x02	SUBLANG_SPANISH_MEXICAN	Spanish (Mexican)
0x03	SUBLANG_SPANISH_MODERN	Spanish (Modern)
0x04	SUBLANG_SPANISH_GUATEMALA	Spanish (Guatemala)
0x05	SUBLANG_SPANISH_COSTA_RICA	Spanish (Costa Rica)
0x06	SUBLANG_SPANISH_PANAMA	Spanish (Panama)
0x07	SUBLANG_SPANISH_DOMINICAN_REPUBLIC	Spanish (Dominican Republic)
0x08	SUBLANG_SPANISH_VENEZUELA	Spanish (Venezuela)
0x09	SUBLANG_SPANISH_COLOMBIA	Spanish (Colombia)
0x0a	SUBLANG_SPANISH_PERU	Spanish (Peru)
0x0b	SUBLANG_SPANISH_ARGENTINA	Spanish (Argentina)
0x0c	SUBLANG_SPANISH_ECUADOR	Spanish (Ecuador)
0x0d	SUBLANG_SPANISH_CHILE	Spanish (Chile)
0x0e	SUBLANG_SPANISH_URUGUAY	Spanish (Uruguay)
0x0f	SUBLANG_SPANISH_PARAGUAY	Spanish (Paraguay)
0x10	SUBLANG_SPANISH_BOLIVIA	Spanish (Bolivia)
0x11	SUBLANG_SPANISH_EL_SALVADOR	Spanish (El Salvador)
0x12	SUBLANG_SPANISH_HONDURAS	Spanish (Honduras)
0x13	SUBLANG_SPANISH_NICARAGUA	Spanish (Nicaragua)
0x14	SUBLANG_SPANISH_PUERTO_RICO	Spanish (Puerto Rico)
0x01	SUBLANG_SWEDISH	Swedish
0x02	SUBLANG_SWEDISH_FINLAND	Swedish (Finland)
0x01	SUBLANG_URDU_PAKISTAN	Urdu (Pakistan)
0x02	SUBLANG_URDU_INDIA	Urdu (India)
0x01	SUBLANG_UZBEK_LATIN	Uzbek (Latin)
0x02	SUBLANG_UZBEK_CYRILLIC	Uzbek (Cyrillic)
0x01	SUBLANG_HID_USAGE_DATA_DESCRIPTOR	HID (Usage Data Descriptor)
0x3c	SUBLANG_HID_VENDOR_DEFINED_1	HID (Vendor Defined 1)
0x3d	SUBLANG_HID_VENDOR_DEFINED_2	HID (Vendor Defined 2)
0x3e	SUBLANG_HID_VENDOR_DEFINED_3	HID (Vendor Defined 3)
0x3f	SUBLANG_HID_VENDOR_DEFINED_4	HID (Vendor Defined 4)

Note: Refer to the Universal Serial Bus HID Usage Tables document for more detailed information on the HID Primary Language and Sublanguage Identifiers.