

Universal Serial Bus (USB)

Language Identifiers (LANGIDs)

3/29/00

Version 1.0

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

©2000 USB Implementers' Forum—All rights reserved.

| | |
|----------------------------------------|----------|
| PREFACE | 3 |
| INTELLECTUAL PROPERTY DISCLAIMER | 3 |
| USB LANGIDS | 4 |
| LANGUAGE IDENTIFIERS | 4 |
| PRIMARY LANGUAGE IDENTIFIERS | 8 |
| SUBLANGUAGE IDENTIFIERS | 10 |

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 strings 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 phrase 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.