NAME

iswalnum_l, **iswalpha_l**, **iswcntrl_l**, **iswctype_l**, **iswdigit_l**, **iswgraph_l**, **iswlower_l**, **iswprint_l**,
iswpunct_l, **iswspace_l**, **iswupper_l**, **iswxdigit_l**, **towlower_l**, **towupper_l**, **wctype_l**, **iswblank_l**,
iswhexnumber_l, **iswideogram_l**, **iswnumber_l**, **iswphonogram_l**, **iswrune_l**, **iswspecial_l**,
nextwctype_l, **towctrans_l**, **wctrans_l** - wide character classification utilities

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

#include <wctype.h>

int
iswalnum_l(*wint_t wc*, *locale_t loc*);

int
iswalpha_l(*wint_t wc*, *locale_t loc*);

int
iswcntrl_l(*wint_t wc*, *locale_t loc*);

int
iswctype_l(*wint_t wc*, *locale_t loc*);

int
iswdigit_l(*wint_t wc*, *locale_t loc*);

int
iswgraph_l(*wint_t wc*, *locale_t loc*);

int
iswlower_l(*wint_t wc*, *locale_t loc*);

int
iswprint_l(*wint_t wc*, *locale_t loc*);

int
iswpunct_l(*wint_t wc*, *locale_t loc*);

int

        iswspace_l(*wint_t wc*, *locale_t loc*);

    int
    iswupper_l(*wint_t wc*, *locale_t loc*);

    int
    iswxdigit_l(*wint_t wc*, *locale_t loc*);

    wint_t
    towlower_l(*wint_t wc*, *locale_t loc*);

    wint_t
    towupper_l(*wint_t wc*, *locale_t loc*);

    wctype_t
    wctype_l(*wint_t wc*, *locale_t loc*);

    int
    iswblank_l(*wint_t wc*, *locale_t loc*);

    int
    iswhexnumber_l(*wint_t wc*, *locale_t loc*);

    int
    iswideogram_l(*wint_t wc*, *locale_t loc*);

    int
    iswnumber_l(*wint_t wc*, *locale_t loc*);

    int
    iswphonogram_l(*wint_t wc*, *locale_t loc*);

    int
    iswrune_l(*wint_t wc*, *locale_t loc*);

    int
    iswspecial_l(*wint_t wc*, *locale_t loc*);

    wint_t
    nextwctype_l(*wint_t wc*, *locale_t loc*);

wint_t
towctrans_l(*wint_t wc*, *wctrans_t*, *locale_t loc*);

wctrans_t
wctrans_l(*const char **, *locale_t loc*);

DESCRIPTION

The above functions are character classification utility functions, for use with wide characters (*wchar_t* or *wint_t*) in the locale *loc*. They behave in the same way as the versions without the _l suffix, but use the specified locale rather than the global or per-thread locale. These functions may be implemented as inline functions in *<wctype.h>* and as functions in the C library. See the specific manual pages for more information.

RETURN VALUES

These functions return the same things as their non-locale versions. If the locale is invalid, their behaviors are undefined.

SEE ALSO

iswalnum(3), iswalpha(3), iswblank(3), iswcntrl(3), iswctype(3), iswdigit(3), iswgraph(3), iswhexnumber(3), iswideogram(3), iswlower(3), iswnumber(3), iswphonogram(3), iswprint(3), iswpunct(3), iswrune(3), iswspace(3), iswspecial(3), iswupper(3), iswxdigit(3), nextwctype(3), towctrans(3), towlower(3), towupper(3), wctrans(3), wctype(3)

STANDARDS

These functions conform to IEEE Std 1003.1-2008 ("POSIX.1"), except for **iswascii_l**(), **iswhexnumber_l**(), **iswideogram_l**(), **iswphonogram_l**(), **iswrune_l**(), **iswspecial_l**() and **nextwctype_l**() which are FreeBSD extensions.