NAME
  lib80211_alloc_regdata, **lib80211_free_regdata**, **lib80211_regdomain_readconfig**,
  lib80211_regdomain_cleanup, **lib80211_regdomain_findbysku**, **lib80211_regdomain_findbyname**,
  lib80211_country_findbycc, **lib80211_country_findbyname** - manage net80211 configuration and
  regulatory database

LIBRARY
  802.11 Wireless Network Management Library (lib80211, -l80211)

SYNOPSIS
  #include <lib80211/lib80211_regdomain.h>
  #include <lib80211/lib80211_ioctl.h>

  *struct regdata ***
  lib80211_alloc_regdata(*void*);

  void
  lib80211_free_regdata(*struct regdata *reg*);

  int
  lib80211_regdomain_readconfig(*struct regdata *reg*, *const void *config*, *size_t size*);

  void
  lib80211_regdomain_cleanup(*struct regdata *reg*);

  *const struct regdomain ***
  lib80211_regdomain_findbysku(*const struct regdata *reg*, *enumRegDomainCode*);

  *const struct regdomain ***
  lib80211_regdomain_findbyname(*const struct regdata *reg*, *const char *sku*);

  *const struct country ***
  lib80211_country_findbycc(*const struct regdata *reg*, *enum ISOCountryCode*);

  *const struct country ***
  lib80211_country_findbyname(*const struct regdata *reg*, *const char *cc*);

DESCRIPTION
  The **lib80211** library is an interface to the net80211(4) infrastructure. It implements wrappers around
  the net80211(4) ioctl command, as well as providing a convenient API to access the regulatory database.

The **lib80211_alloc_regdata**() and **lib80211_free_regdata**() function allocates / frees a regdata structure to store regulatory domain information in.

The **lib80211_regdomain_readconfig**() and **lib80211_regdomain_cleanup**() functions read in the regulatory database XML configuration and free it when finished.

The **lib80211_regdomain_findbysku**() and **lib80211_regdomain_findbyname**() functions look up a regulatory domain entry by SKU enum and SKU name respectively.

The **lib80211_country_findbycc**() and **lib80211_country_findbyname**() functions look up a country information entry by ISO country enum and ISO country code string respectively.

RETURN VALUES

The **lib80211_alloc_regdata**(), **lib80211_regdomain_readconfig**(), **lib80211_regdomain_findbysku**(), **lib80211_regdomain_findbyname**(), **lib80211_country_findbycc**(), **lib80211_country_findbyname**() return NULL upon error.

SEE ALSO

net80211(4), ifconfig(8)

HISTORY

The **lib80211** library first appeared in FreeBSD 11.0.

AUTHORS

Adrian Chadd