

**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

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