

## Op:nl\_types.h

nl\_types.h - data types

```
#include <nl_types.h>
```

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### DESCRIPTION

The `<nl_types.h>` header shall contain definitions of at least the following types:

#### **nl\_catd**

Used by the message catalog functions `catopen()`, `catgets()`, and `catclose()` to identify a catalog descriptor.

#### **nl\_item**

Used by `nl_langinfo()` to identify items of `langinfo` data. Values of objects of type `nl_item` are defined in `<langinfo.h>`.

The `<nl_types.h>` header shall contain definitions of at least the following constants:

#### **NL\_SETD**

Used by `gencat` when no `$set` directive is specified in a message text source file; see the Internationalization Guide. This constant can be passed as the value of `set_id` on subsequent calls to `catgets()` (that is, to retrieve messages from the default message set). The value of `NL_SETD` is implementation-defined.

NL\_CAT\_LOCALE

Value that must be passed as the **oflag** argument to **catopen()** to ensure that message catalog selection depends on the **LC\_MESSAGES** locale category, rather than directly on the **LANG** environment variable.

The following shall be declared as functions and may also be defined as macros. Function prototypes shall be provided.

```
int      catclose(nl_catd);
char     *catgets(nl_catd, int, int, const char *);
nl_catd  catopen(const char *, int);
```

*The following sections are informative.*

#### **APPLICATION USAGE**

None.

#### **RATIONALE**

None.

#### **FUTURE DIRECTIONS**

None.

#### **RELATED**

**<langinfo.h>** , the System Interfaces volume of IEEE Std 1003.1-2001, **catclose()**, **catgets()**, **catopen()**, **nl\_langinfo()**, the Shell and Utilities volume of IEEE Std 1003.1-2001, **gencat**

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