

NAME

assert.h – verify program assertion

SYNOPSIS

```
#include <assert.h>
```

DESCRIPTION

The <assert.h> header shall define the *assert()* macro. It refers to the macro NDEBUB which is not defined in the header. If NDEBUB is defined as a macro name before the inclusion of this header, the *assert()* macro shall be defined simply as:

```
#define assert(ignore)((void) 0)
```

Otherwise, the macro behaves as described in *assert()*.

The *assert()* macro shall be redefined according to the current state of NDEBUB each time <assert.h> is included.

The *assert()* macro shall be implemented as a macro, not as a function. If the macro definition is suppressed in order to access an actual function, the behavior is undefined.

The following sections are informative.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

The System Interfaces volume of IEEE Std 1003.1-2001, *assert()*

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