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Authors: Herb Sutter (hsutter@microsoft.com)

Wording for `std::uncaught_exceptions`

This paper provides proposed wording for N4152.

Replace clause 15.5.3 [except.uncaught] with the following:

15.5.3 The `std::uncaught_exceptions()` function [except.uncaught]

- 1 An exception is considered uncaught after completing the initialization of the exception object (15.1) until completing the activation of a handler for the exception (15.3, 18.8.4). This includes stack unwinding. If the exception is rethrown (15.1), it is considered uncaught from the point of rethrow until the rethrown exception is caught again. The function `std::uncaught_exceptions()` (18.8.4) returns the number of uncaught exceptions.

In 18.8 [support.exception] “Header <exception> synopsis”, add the following below `uncaught_exception`:

```
int uncaught_exceptions() noexcept;
```

Replace clause 18.8.4 [uncaught] with the following:

18.8.4 `uncaught_exceptions()` [uncaught.exceptions]

```
int uncaught_exceptions() noexcept;
```

- 1 *Returns:* The number of uncaught exceptions (15.5.3).
- 2 [*Note:* When `uncaught_exceptions() > 0`, throwing an exception can result in a call of `std::terminate()` (15.5.1). – *end note*]

In Annex D, add:

D.x `uncaught_exception` [depr.uncaught]

```
bool uncaught_exception() noexcept;
```

- 1 *Returns:* `uncaught_exceptions() > 0`.