

## A Response to Comments on the C Annex of TR 24772

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These notes are submitted for consideration as a response to the comments dated 2011-09-29 on the C Annex of the Vulnerabilities TR 24772.

### **C.1 (actually C.3.1)**

Regarding typedefs, the comment is correct that no type safety is provided. A common idiom is to wrap the data in a structure, as follows, which does provide type safety.

```
struct Celsius { double value; };
```

Therefore, section C.3.1 is correct that C is both strongly and weakly typed, and no change is needed.

### **C.18 (C.XZI)**

The vulnerability applies to languages where sign extension is not enforced by the type system. No change is needed.

### **C.20 (C.WXQ)**

Thanks to the submitter for the detailed review, which uncovered this omission.

The WXQ section was added to the main part of the document after the C annex was written, and then not updated in the annex except for a place holder. This section needs to be filled in.

### **C.23 (C.BJL)**

Header files do not create a separate name space.

The vulnerability applies to languages that provide a user-controlled ordering of name spaces. C lacks this feature. No change is needed to the annex. There will be a proposal to update the main body of the TR to make this clearer.

### **C.25 (C.JCW)**

Section C.25 acknowledges this issue, and suggests using parentheses to mitigate it. No change is needed.