

Wording for Forwarding References

Herb Sutter, Bjarne Stroustrup, Gabriel Dos Reis

Document #:	N4262
Date:	2014-11-05
Reply to:	Herb Sutter (hsutter@microsoft.com)

This paper provides updated proposed wording for paper N4164.

Change 14.8.2.1 [temp.deduct.call] /3 as follows:

- 3 If P is a cv-qualified type, the top level cv-qualifiers of P's type are ignored for type deduction. If P is a reference type, the type referred to by P is used for type deduction. ~~If P is a~~ forwarding reference is an rvalue reference to a cv-unqualified template parameter. If P is a forwarding reference and the argument is an lvalue, the type "lvalue reference to A" is used in place of A for type deduction. [Example: ...

Change 14.8.2.5 [temp.deduct.type] /10 as follows:

- 10 ... respectively, Pi is adjusted if it is an ~~rvalue reference to a cv-unqualified template parameter~~ forwarding reference (14.8.2.1) and ...