

16. Common Base restrictions

The following language restrictions are part of the SIMULA 67 Common Base.

- 1) System defined procedures may not be transmitted as parameters.
- 2) Only <type> parameters may be called by name.
- 3) An arithmetic assignment statement must conform to the rules of ALGOL 60.
- 4) A class should be defined textually before all its subclasses.
- 5) In the hardware representation of the language, there should be at least one space between a colon and a minus sign in an array declaration.

Restriction 1 may be relevant in order to obtain maximum efficiency in implementations of system defined procedures. Restrictions 2 and 3 may simplify the extension of existing ALGOL 60 implementations. Restriction 4 is relevant in order to make one-pass compilation possible.