1. Problem:

The compiler generates an incorrect call address for a function which references itself recursively.

Solution:

Change the function to a subroutine and pass the return value in a variable.

2. Problem:

The compiler incorrectly issues a warning message "WARNING: F183 PARAMETER TYPE MISMATCH WITH EARLIER INVOCATION OF PROCEDURE" for the second and subsequent references to a procedures or a function which has been specified in the INTERFACE control.

Solution:

Check that the parameters are correct and ignore the warning.

3. Problem:

Reading or writing a logical variable using an A format descriptor will only transfer the least significant byte of the logical variable.

Solution:

Use an integer variable in this situation.

4. Problem:

Integer constants used in expressions in the I/O list of a PRINT or WRITE statement have a length which is the minimum required to contain the variable, not the default integer length.

Solution:

This should not cause a problem unless you are using the Z or B format descriptors. If you are using the Z or B format descriptors, use the INT intrinsic function to force these constants to the default length.

5. Problem:

If the limit plus the increment of a DO loop exceeds the range of the index variable, the DO loop will not terminate.

Solution:

Use a larger index variable or change the DO loop so that this will not occur.
6. Problem:

The compiler will generate incorrect code for an expression which causes an INTEGER*1 expression to be coerced to floating point if a previous integer expression has been coerced to floating point.

7. Problem:

The compiler generates incorrect code when the INT4 intrinsic (or the INT intrinsic when the STORAGE(INTEGER*4) control is specified) is used in an expression or assignment which causes the result of the intrinsic to be coerced to floating point and the argument to the intrinsic is any INTEGER*4 constant or a negative INTEGER*1 or INTEGER*2 constant.

Solution:

Remove the INT or INT4 reference since it is not necessary in this case.

8. Problem:

The compiler issues the error message "ERROR: F181 INSUFFICIENT SIZE FOR ASSIGN VARIABLE", when assigning a format label to an INTEGER*2 variable or using an INTEGER*2 variable as the format specifier in an I/O statement.

Solution:

Use an INTEGER*4 variable in this situation.

9. Problem:

The compiler will not delete a file which is opened with STATUS = 'NEW' and close with STATUS = 'DELETE'. (in iRMX-86 environment only)

10. Problem:

The compiler issues error message "F174: UNKNOWN CONTROL IN SOURCE NEAR" when compiling a program which contains compiler control (with argument) at source level.

Solution:

This happens only with iRMX-86 Release 6.0 with update 1.0 or later. To avoid this problem either use iRMX-86 update 0.0 or update 1.0 without zap 18 and 19.