

X11/1998-5

MUMPS Development Committee

Extension to the MDC Standard
Type A Release of the MUMPS Development Committee

Fix algoref

September 27, 1997

Produced by the MDC Subcommittee #15
Programming Structures

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MUMPS Development Committee

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Because of the evolutionary nature of MDC specifications, the reader is further reminded that changes are likely to occur in the specification released, herein, prior to a complete republication of the MDC Standard.

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1. Identification

1.1 Title:

Fix alгореf

1.2 MDC Proposer and Sponsor:

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1.3 Motion:

Final version of document, superseding X11/SC15/1997-13.

1.4 History:

<u>Date</u>	<u>Document</u>	<u>Action</u>	
01 May 1998	X11/1998-5	Final Publication Version	
01 Aug 1997	X11/SC15/1997-13	Proposed as MDC/A	Passed: 24:0:1
01 Jan 1997	X11/SC15/1997-2	Proposed as SC15/A	Passed: 24:0:2
01 Aug 1996	X11/SC15/1996-15	Proposed as SC15/B	Passed: 29:0:1
01 Mar 1996	X11/SC15/1996-10	Proposed as SC15/C	Passed: 20:0:2

1.5 Dependencies:

No proposals have been identified which depend on this proposal.

No proposals have been identified upon which this proposal depends.

2. Justification

2.1 Needs

The alгореf definition (added in the i18n proposals) incorrectly states the format for the externref flavor of alгореf as "\$& externref" (the '&' is already included in the definition of externref). This technical flaw in the standard should be corrected.

2.2 Existing Practice

The existing definition would have an externref version of alгореf appear something like the following:

```
S&&collate.libm
```

3. Description

3.1 General description

Remove the '&' in the definition of the meta-element alcoref when used with externref.

3.2 Annotated Examples of Use

The new definition would have an externref version of alcoref appear something like the following:

```
$&collate.libm
```

Which follows the format for normal externref functions.

3.3 Formalization (references are to the X11.1-1995 standard)

- Replace the definition of alcoref in section 7.1.3.1 with the following (the intent being to change the externref line of the definition so as not to have a '&'):

<u>alcoref</u> ::=	<u>emptystring</u> \$\$ <u>labelref</u> \$ <u>externref</u> \$ <u>functionname</u>
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4. Implementation Effects

4.1 Effect on Existing User Practices and Investments

None expected. To my knowledge, no implementor has created an externref form of alcoref.

4.2 Effect on Existing Vendor Practices and Investments

None expected. To my knowledge, no implementor has created an externref form of alcoref.

4.3 Techniques and Costs for Compliance Verification

Make sure that the old format does not work, and the new one does.

4.4 Legal Considerations

None identified.

5. Closely Related Standards Activities

5.1 Other X11 Proposals Under Consideration

None.

5.2 Other Related Standards Efforts

None.

5.3 Recommendations for Coordinating Liaison

None.

6. Associated Documents

X11.1-1995 M Programming Language Standard

7. Issues, Pros and Cons, and Discussion

Fixes a flaw in the standard — get it while it's young.

- **March 1996, Boston, MA** Proposed as SC15/C passed 20:0:2
Pro: 1. Fixes error [5]
2. Has been implemented [1]
Con: None.
- **September 1996, Toronto, Canada** Proposed as SC15/B passed 29:0:1
Pro: 1. Fixes error
2. Has been implemented
Con: None.
- **March 1997, San Diego, CA** Proposed as SC15/A passed 24:0:2
Pro: 1. Standardizes our intent
Con: None.
- **September 1997, Chicago, IL** Proposed as MDC/A passed 24:0:1
Pro: 1. Clarifies the standard
Con: None.

8. Glossary

None.

9. Appendix

None.