MUMPS Development Committee

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

QUIT with Argument in FOR Command

March 23, 1996

Produced by the MDC Subcommittee #15
Programming Structures

Ed de Moel, Chairman
MUMPS Development Committee

Art Smith, Chairman
Subcommittee #15

1. Identification of the Proposed Change

1.1 Title QUIT with Argument in FOR Command

1.2 MDC Proposer and Sponsor

Proposer
MDC Task Group 17
Interpretations
Chairman: Kate Schell

Sponsor
Daniel Bormann
Epic Systems Corporation
5301 Tokay Boulevard
Madison, WI 53711
608-271-9000, FAX 608-271-7237
dann@epicsys.com

1.3 Motion

This document supersedes X11/SC15/96-1, and is the final MDC Type A document for this proposal.

1.4 History

23 Jul, 96	X11/96-49	Final write-up.
23 Mar. 96	X11/SC15/96-1	Approved as MDC type A, 25:0:1.
23 Oct. 95	X11/SC15/95-26	Approved as Subcommittee Type A, 26:0:2.
1 June 95	X11/SC15/95-22	Amended in subcommittee. Approved as Subcommittee Type B, 25:0:3.

1.5 Dependencies

This proposal references ANSI X11.1-1994 Canvass Version 1.
Proposals which depend on this proposal: None.

2. Justification of the Proposed Change

2.1 Needs

National Institute of Standards and Technology (NIST), in X11/95-60, asked for clarification about the error condition of an argumented QUIT within the scope of a FOR command. The associated problem statements are Problem Statement #7, "QUIT with argument in the FOR Scope left unspecified" and Problem Statement #37, "Contradiction in Errors of QUIT Returns". The MDC provided an interpretation to resolve Problem Statement #7 in X11/93-9 and Problem Statement #37 in X11/93-45.

Section 8.2.16, QUIT, describes the error conditions relating to the QUIT command. However, this text also states that the effect of executing a QUIT in the scope of a FOR is fully discussed in section 8.2.5, FOR. This could be interpreted to mean that any error conditions described in the QUIT section do not apply when the QUIT occurs within the scope of a FOR command. This proposal removes the possibility for this interpretation.

Also, in section 8.2.5 there is a reference to the term *NEW frames*, which is no longer used elsewhere in the document. This proposal removes this phrase.

2.2 Existing Practice in Area of the Proposed Change

A QUIT command does not take an argument when within the scope of a FOR command. This proposal explicitly states so in the context of the FOR command. An obsolete reference to the term *NEW frame* is removed from the discussion of the FOR command.

3. Description of the Proposed Change

3.1 General Description of the Proposed Change

A description of the error condition of having an argumented QUIT command within the scope of a FOR command is inserted into the section which details the behavior of the FOR command.

3.2 Annotated Examples of Use

None.

3.3 Formalization

All document references are to ANSI/MDC X11.1-1994 Canvass version 1.

In 8.2.5, last paragraph, remove the phrase which reads

e.g., stacked NEW frames are not removed or processed

and insert the word argumentless before the word QUIT, so that the sentence now reads

Note that the execution of an argumentless QUIT within the scope of a FOR does not affect the variable environment.

In 8.2.5, before the last paragraph, insert a new paragraph which reads:

Execution of an argumented QUIT within the scope of a FOR command causes an error condition with an ecode="M16".

4. Implementation Effects

4.1 Effect on Existing User Practices and Investments

Routines which depend on an interpretation which is contrary to this proposal would stop working. All implementations known by the author do produce an error in accordance with this proposal.

4.2 Effect on Existing Vendor Practices and Investments

Implementations which do not produce an error when executing an argumented QUIT command in the scope of a FOR command would not be in conformance. All implementations known by the author do produce an error in this circumstance.

4.3 Techniques and Costs for Compliance Verification

A routine which contains an executed argumented QUIT within the scope of a FOR command should produce an error.

4.4 Legal Considerations

None.

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

ANSI/MDC X11.1-1990	MUMPS ANSI Standard
X11/92-96	NIST Problem Statements 1-7.
X11/93-6	NIST Problem Statements 35-42
X11/93-9	Responses to NIST Issues 1-34
X11/93-45	Responses to NIST Issues 35-42
X11/95-60	NIST Issues Revisited
ANSI/MDC X11.1-1994	Canvass Version 1

7. Issues, Pros and Cons, and Discussion

March 23, 1996, Boston.

Pro:
1. Addresses NIST concerns.
2. Remove references to abandoned construct.

Con:
None

October 23, 1995, New Orleans.

Pro:
1. Addresses NIST concerns.
2. Remove references to abandoned construct.

Con:
None

June 1, 1995, Chicago.

Pro:
1. Addresses NIST concerns.
2. Remove references to abandoned construct.

Con:
None

8. Glossary

None.

9. Appendix

None.