SOFTWARE RELEASE NOTICE

1. SRN Number: GHGC-SRN-203					
2. Project Title: Use on Multiple Pro	Project No. 20-1402-861				
3. SRN Title: MathCad Version 8.0 Professional					
4. Originator/Requestor: B. Mabrito		Date: 9/07/99			
5. Summary of Actions					
■ Release of new software	■ Release of new software				
□ Release of modified software:					
□ Enhancements made					
☐ Corrections made					
□ Change of access software					
☐ Software Retirement					
6.	Persons Authorized Access				
Name	Read Only/Read-Write	Addition/Change/Delete			
Debra Hughson CNWRA staff	RO RO	A A			
	Ω				
7. Element Manager Approval: English Pearcy Date: 2/2955					
8. Remarks: Acquired software: Not to be modified.					
NWRA Form TOP-6 (05/98)					

SOFTWARE SUMMARY FORM

01. Summary Date: 09/20/99	02. Summary prepared by (Na Debra Hughson (2	03. Summary Action: NEW					
04. Software Date: 1986-1998	05. Short Title: MathCad						
06. Software Title:			07. Internal Software ID: NONE				
MathCad, Version	8.0 Professional		110112				
08. Software Type:	09. Processing Mode:	10. Application Area:					
☐ Automated Data System	■ Interactive	a. General: ■ Scientific/Engineering □ Auxiliary Analyses					
■ Computer Program	□ Batch	☐ Total System PA	Other				
□ Subroutine/Module	☐ Combination	b. Specific:					
		•					
11. Submitting Organization and Address:		12. Technical Contact(s) and Phone:					
CNWRA/SWRI 6220 Culebra Road San Antonio TX 78228		Debra Hughson, (210) 522-3805					
13. Software Application:							
Mathematics							
14. Computer Platform PC	15. Computer Operating System: Windows NT 95 & 98	16. Programming Language(s): N/A	17. Number of Source Program Statements: NOT KNOWN				
18. Computer Memory Requirements: 16 Mb	19. Tape Drives: N/A	20. Disk Units: 30 Mb	21. Graphics: VGA				
22. Other Operational Requir	22. Other Operational Requirements: Pentium, CD ROM, Mouse						
23. Software Availability:		24. Documentation Availability:					
■ Available □ Limited	☐ In-House ONLY	■ Available □ Inadequate	□ In-House ONLY				
Software Developer: MathCad (www. mathsoft.com) Date: 9/20/99							

Memo to Bruce Mabrito Regarding TOP-018 Control of MathCad From Debra L. Hughson

Sept. 20, 1999

Debra Hughan

MathCad 8.0 Professional for the Windows NT/95/98 platform falls under the category of "ACQUIRED/EXISTING SOFTWARE Not to be modified" in Table 1 of TOP-018, Revision 6, Change 0, Page 7 of 27 and thus has the requirements of Acceptance Testing, Configuration Control, Design Verification & Release, and Software Validation Test Plan (SVTP).

ACCEPTANCE TESTING

The acceptance testing requirement of TOP-018 is for installation testing only.

Status: MathCad 8.0 Professional can be installed by executing setup.exe from the software CD.

CONFIGURATION CONTROL, DESIGN VERIFICATION & RELEASE

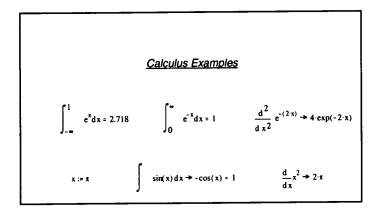
The MathCad 8.0 Professional version User's Manual accompanies the software package. On-line help is also available.

MathCad is designed to be an interactive computing environment. Users enter mathematical formulas in standard notation much as they would be written on paper. Combining computational features with the text and graphics capabilities of MathCad 8.0 allows for construction of interactive documents for performing calculations complete with explanation and formating.

SOFTWARE VALIDATION TEST PLAN

Included below are sample calculations performed using MathCad 8.0 Professional.

The following is an example of simple arithmatic				
a := 2	b := 5	$c \coloneqq \frac{3}{2}$	$d := \sqrt{-1}$	
a∙b	= 10	a·c = 3	b·c = 7.5	
d ² = -1	b·d = 5i	$Re(b\cdot d) = 0$	$Im(b\cdot d) = 5$	



In the examples above user defined assignments (input) are indicated by =: and calculations performed by the software (output) are indicated by just = or an arrow. I have selected examples that you can verify by inspection to see that the program is producing correct results.

Examples are available in the online help for using the programming features of MathCad 8.0 Professional. Refer to the documentation for a complete guide to internal functions and capabilities.

SUPPORTING DOCUMENTS

Attached are TOP-018 Software Summary Form and Software Release Notice