
Draft Minutes of X3J14 Meeting #14

*ANS Forth Technical Committee
November 6-10, 1990, Detroit, MI
Doc. no: X3J14/90-015*

Call to Order

The chair thanked meeting host Leonard Zettel of Ford Motor Co. for arranging to have the meeting in the Ford Management Development Center. Mr. Zettel offered remarks of welcome.

The chair welcomed a visitor (Brad Rodriguez) from Canada and Dr. Richard Haskell (Oakland University, Michigan) as alternate for Bill Ragsdale.

Mr. Rash was acting secretary in the absence of Mr. Tracy. A quorum was present.

The last meeting's minutes were approved unanimously. The agenda was accepted.

Action Item review from Meeting #13:

1. CBEMA has sent the chair a list of members. The chair noted that it included many errors. IEEE comembership arrangements apparently are still unrecognized by CBEMA. This requires further efforts by the chair.
2. Mr. Baden's flow tree font has been implemented for use in BASIS.
3. The daily start time for Meeting #14 is 9:00 a.m.
4. The next meeting will be at Forth, Inc. during the last week of January, 1991. The full schedule is as follows:

Jan. 29 - Feb. 2	Los Angeles	Forth, Inc.
April 23 - 27	Atlanta	Don Schrader
July 30 - Aug. 3	Denver	Jack Woehr (Vesta)
Oct. 15 - 19	Boston	Gary Chanson
5. The chair wrote a letter of thanks to B.C.I.T. for the arrangements for the last meeting.
6. The chair has submitted the revised Statement of Work to X3.

Documentation Committee Report

BASIS 13 was submitted to the TC and adopted.

BASIS 13 has been provided to the networks in RTF format. Mr. Rodriguez indicated his appreciation for this. BASIS 13 also has been posted on various electronic bulletin boards.

Research Committee Report

The committee is currently inactive, and its membership is indefinite. Mr. Colburn observed that our position vis-a-vis common practice is undermined by lack of an active research committee. Mr. Zettel noted that this endeavor cannot be mechanized, which is why it requires a committee.

International Committee Report

No report, no activity (except last meeting, which was in Canada).

Other Business

The chair indicated that Heidi Banner is no longer with Forth, Inc. and that a new recording secretary for X3J14 is now needed. Any candidates for this job should be made known to the chair as soon as possible.

Action on Technical Proposals

TP#	Name	Status	Action
TP-166	File Access Word Names	failed 0/10	
TP-384A	Controlled Reference words	passed 8/1	MB letter
TP-411A	Single-Double Conversions	passed 9/1	
TP-450.2	SHIFT and ASHIFT	failed 0/9	MB letter
TP-452	State-Smart * and CHAR	withdrawn	
TP-462	Number Conversion Definition	failed 0/10	
TP-479	Terminal Input and Output	failed 0/9	
TP-494A	Make BL required	passed 9/0	
TP-542	Fixed Point Real Arithmetic	failed 1/9	JLR letter
TP-543	Numeric Input Conventions	failed 1/9	JLR letter
TP-551A	Timing Things	passed 9/0	
TP-569A	Error Handling (CATCH & THROW)	passed 9/0	
TP-570	The file wordset should not require buffered i/o	failed 0/10	
TP-572	Modeless Number Input	failed 3/7	
TP-583	Digit Definition	withdrawn	
TP-600	Eliminate ALSO and ONLY	failed 1/8	AK letter
TP-602	Real Number Input Conversion	recommitted	
TP-632	IRV Numbers	withdrawn	
TP-638A	REMEMBER before forgetting	passed 8/1	
TP-646A	Input stream - Repositioning	passed 9/0	
TP-648	Character manipulation	failed 0/10	
TP-652A	Clarify file existence test	passed 9/0	MB letter
TP-657	ACQUIRE	failed 0/10	
TP-658A	[COMPILE]	passed 9/0	
TP-663	Moving Words from the Core Word Set to Ext. Core	recommitted	
TP-663	Moving Words from the Core word Set to Ext. Core Word Set	failed 0/9	JR letter
TP-674	Do not require the Block Word Set to be implemented	failed 0/8	AK letter
TP-680A	"wordlist" to "word list"; "WORDLIST" to "WORD-LIST"	passed 9/0	JR letter
TP-686	Generalize Section 4.0050 block	failed 0/9	
TP-688	Revise definition of search order	failed 0/9	
TP-695A	Delete 7.0020, "	passed 10/0	
TP-698	Change stack picture of ? KEY	failed 0/9	
TP-699	Change definition of ALSO	failed 0/9	
TP-703	Modify Definition of 7.1010 CREATE - FILE	failed 0/10	
TP-704	Modify Definition of 7.1190 DELETE - FILE	failed 0/10	

TP-705	Modify Definition of 7.1395 EXTEND - FILE	failed 0/10	
TP-706	Modify Definition of 7.1970 OPEN - FILE	failed 0/10	
TP-707	Modify Definition of 7.2080 READ - FILE	failed 0/10	
TP-708	Modify Definition of 7.2090 READ - LINE	failed 0/10	
TP-709	Modify Definition of 7.2480 WRITE - LINE	failed 0/10	
TP-714	Revise definition of 7.1965 ONLY	failed 0/9	
TP-715	Revise definition of 7.2037 PREVIOUS	failed 0/9	
TP-716	Modify Definition of 7.2130 RENAME - FILE	failed 0/10	
TP-731	Definition of RECURSIVE	failed 2/7	MB letter
TP-744A	COMPILE ,	passed 9/1	
TP-745	tic and comma implications	passed 10/0	
TP-747	Delete ?DO	failed 0/9	
TP-749	COMPILING?	failed 1/8	
TP-751	FP Syntax	failed 0/9	
TP-752	Compliance with Accepted Practice	add to Appen. B, 9/0	
TP-755	PROGRAMMABILITY OF WORD CREATION	failed 1/9	MB letter
TP-756	Naming Conventions and File Words	failed 0/10	MB letter
TP-766A	File I/O should use address units	passed 10/0	
TP-773A	Removal of Words from Core Word Set to String Word set	passed 9/0	JR letter
TP-780A	Clean up Counted String definition	passed 9/0	
TP-782A	QUERY is broken	passed 10/0	
TP-783A	Labeling & Optional/Extensions Word Sets	passed 9/0	
TP-787	Amend Appendix A's discussion of data types	passed 10/0	
TP-789	Remove ALSO	failed 0/9	JS letter
TP-791	Remove LEX	failed 0/10	AK letter
TP-792	Remove PARSE	failed 1/9	MB letter
TP-795	Allow VALUE inside a definition	failed 0/10	AK letter
TP-796A	Counted String Literals	passed 8/2	
TP-798	Define White Space	failed 0/9	
TP-799A	Allow . in Execution	passed 9/1	AK letter
TP-803	Eliminate IOR from Memory Allocation Functions	failed 0/10	AK letter
TP-804	Is COMPARE Too Complicated?	failed 0/10	AK letter
TP-805	EXTEND - FILE Should Work in Characters	failed 0/10	AK letter
TP-806	SEEK - FILE is Too Complicated	failed 0/10	AK letter
TP-807	Wither Hyphens	passed 10/0	AK letter
TP-808	UNLOOP should be a no-op	failed 0/10	AK letter
TP-810A	File Flush Operation is Missing	passed 10/0	AK letter
TP-812	No Temporary Buffers	failed 0/10	AK letter
TP-822	No Equal	withdrawn	
TP-826A	Tight 4	passed 9/0	
TP-831A	Improve the function the File Access Word Set	passed 10/0	JR letter
TP-832	Remove the distinction between blocks and block files	failed 0/10	GB letter
TP-837	FOR 's Index Name	failed 1/8	

TP-838	W@	failed 0/10	
TP-839	AKEY	failed 0/9	
TP-841	Add increment operator to EXT CORE word set	failed 0/10	AK letter
TP-842	Extend (LOCAL) to allow multi-cell values	failed 0/10	AK letter
TP-844	Change storage order of (LOCAL)	recommitted	
TP-846A	Delete */MOD /MOD MOD	passed 10/0	
TP-849A	Floating Point Equality Operators	passed 10/0	
TP-855A	Add BYE	passed 9/1	
TP-856	Minor fix ups, Part 1 (POST)	passed 9/0	
TP-857A	>NUMBER and CONVERT are Incomprehensible	passed 9/0	
TP-858A	Data Space Cleanup	passed 8/0	
TP-859A	Data Space Wording	passed 8/0	
TP-860A	Minor Fix Ups, Part 2 (POST)	passed 8/0	
TP-861A	Memory Allocation Cleanup	passed 8/0	
TP-862A	Improved syntax for C words	passed 9/0	
TP-863A	Clean up POSTPONE , COMPILE , and [COMPILE]	passed 9/0	
TP-864A	Improve ' and [']	passed 9/0	
TP-865A	Control Flow Cleanup	passed 10/0	
TP-866	Legitimize FOR and NEXT	withdrawn	
TP-867A	Choose definitions of C! and MOVE	passed 9/0	
TP-868A	Create Input Stream Usage Section	passed 9/0	
TP-869A	Clarify usage of transient memory regions	passed 10/0	
TP-870	\$ Unnecessarily Orphaned	withdrawn	
TP-871	3.4 Stacks Caution	passed 10/0	
TP-872A	OK is Forth	passed 9/1	
TP-873A	Guidelines for Implementors	passed 8/0	
TP-874A	Rationales	passed 8/0	
TP-875	Why do we have Wordsets?	passed 8/0	
TP-876	Rationale for the DOUBLE Wordset	passed 8/0	
TP-877	Block Wordset Rationale	passed 8/0	
TP-878A	Minor Cleanups	passed 10/0	
TP-879A	No Multitasking	passed	
TP-880A	Fix definition of exception	passed 8/0	
TP-882A	Combined multiple post proposals	passed 8/0	
TP-884A	Optional word sets write up for Appendix B.	passed	
TP-885	Delete the Locals Word Set	failed 0/8	
TP-886	Return to VOCABULARY and DEFINITIONS	failed 0/10	MB letter
TP-887	Delete ENVIRONMENT?	failed 0/10	DC letter
TP-888	Delete CATCH and THROW	failed 0/8	MB letter
TP-889	Criteria for acceptance of new words	failed 0/9	AK letter
TP-890	Add an Experimental Word Set	failed 0/10	GB letter
TP-891	Candidates for the Experimental Word Set	withdrawn	
TP-892A	Delete misleading paragraph from "1.3 Content"	passed 10/0	DC letter
TP-893	Delete misleading text from "5.7.2 New Technology"	passed 8/0	
TP-894A	Restrict EMIT to decimal codes 32-127		

	considered as resolution of TC,	passed 10/0	DC letter
TP-895	The order of bytes or bits within double cell numbers	failed 0/10	GB letter
TP-896	Add a DO < operator	passed 10/0	GB letter
TP-897	Make File Access independent of Blocks	failed 0/8	GB letter
TP-898	Clarify search order changes with ADDITIONS	passed 8/0	GB letter
TP-899A	Floating point numbers are not rational numbers	passed 7/1	GB letter
TP-900	Embedded decimal point should mean floating point	failed 0/10	GB letter
TP-901	Case insensitive	failed 0/8	GB letter
TP-902	Mandate floored division for / /MOD MOD */ */MOD	failed 0/8	JH letter
TP-903A	No control characters in words	passed 9/0	JH letter
TP-904	Clarify definition of wordlist	passed 8/0	JH letter
TP-905	Delete misleading sentence from "5.3.9 Control Flow"	passed 8/0	JH letter
TP-906	Clarify definition of ' (tick)	failed 0/8	JH letter
TP-907	- TRAILING should use unsigned counts	passed 8/0	JH letter
TP-908	Clarify semantics of 2@	passed 8/0	JH letter
TP-909A	? KEY should be nondestructive	passed 8/2	JH letter
TP-910	Add the word SYNONYM	failed 0/8	AK letter
TP-911	EVALUATE shouldn't use TIB et al	failed 0/8	MB letter
TP-912 .1A	Change PARSE to accept an address	passed 7/3	AK letter
TP-912 .2A	Change PARSE to accept an address	passed 10/0	AK letter
TP-913	Typo in I and J	passed 8/0	JH letter
TP-914	Remove scope from the definition of "local"	failed 0/8	AK letter
TP-915	VARIABLEs should be initialized to zero	failed 0/8	AK letter
TP-916	Change >COLROW to YXCOORD	failed 0/8	AK letter
TP-917A	Clarify format of ?	passed 8/0	JH letter
TP-918	Rename POSTPONE to COMPILE'	failed 0/8	AK letter
TP-919	Change INVERT to NOT	failed 0/8	JH letter
TP-920	ACCEPT should use unsigned counts	failed 0/8	ER letter
TP-921	ACCEPT should only terminate on "return"	failed 0/10	MB letter
TP-922	/ STRING exception when length exhausted	passed 8/0	
TP-923	Typo in SKIP	passed 8/0	
TP-924	Fix stack diagram for QUIT	passed 8/0	
TP-925A	"Well formed" means "error free"	passed 8/0	JH letter
TP-927	Delete the definition of "user value"	failed 0/8	JH letter
TP-928A	Basis general formatting (post)	passed 9/0	
TP-929A	More readable glossary entry (post)	passed	
TP-930A	section 6/7 cleanups (POST)	passed 9/0	
TP-931A	Rename Wordsets	passed 7/2	
TP-932A	Minor fix ups - part 3	passed 9/0	
TP-933A	String Fix Ups	passed 9/0	
TP-934	Expunge Repetitions	passed 9/0	
TP-937A	Data Type Compatibility	passed 10/0	
TP-938A	Unsigned Arithmetic	passed 10/0	
TP-939A	Addresses are Numbers	passed 10/0	
TP-940	Generalize equality	passed 9/0	

TP-941A	Gather general exception conditions	passed 10/0
TP-942A	Consolidate Exceptions	passed 10/0
TP-943A	Remove Section 7 (Non-)Definitions	passed 10/0
TP-944A	Core source	passed 9/0
TP-945A	No editing entitlements to ACCEPT	passed 10/0
TP-946A	Change "exception condition" to "non-portable usage"	passed 10/0
TP-947	Reword ALSO	withdrawn
TP-948A	Programmer's toolkit	passed 10/0
TP-949	Dispersed definitions	passed 10/0
TP-950	move search order words	passed 9/1
TP-951A	Section 1.3 Content	passed 10/0
TP-952	nouns are FILE-xxxx	passed 10/0
TP-953A	Don't force compiler state vector recursion	passed 10/0
TP-954A	Return of ASCII	recommitted
TP-955A	Character Set Definition	passed 10/0
TP-956A	Further encapsulation of wordsets	passed 10/0
TP-957A	Enable THROW on ambiguities	passed 10/0
TP-958A	Allow no foreknowledge	passed 10/0
TP-960	Moving . (and 0 > from CORE to CORE EXT	passed 9/1

Mr Kobziar moved to instruct the document editor to include the rationale from proposal TP-004 in the definition of **INVERT**. Motion passed 8/0.

Mr Kobziar moved to correct a procedural error on TP-677, by showing it as failed with the same vote as TP-677A had, and renumbering TP-677 as TP-829. So ordered by the chair with no objection.

TP-833 "Fix **BASIS** with respect to the input stream" was considered as a resolution of the TC and passed.

TP-894 "Restrict **EMIT** to decimal codes 32-127" was considered as a resolution of the TC and passed. Mr. Colburn to write letter.

Action Items

1. A proposal log is henceforth to be sent with each **BASIS**.
2. Follow ups on letter writing assignments are to be reviewed at the beginning of each meeting, and each meeting's new letter writing assignments are to be reviewed at the end of the meeting. All letters must reference proposal names and numbers. All letter writers are to provide a copy of each letter to the **BASIS** editor for use in developing rationales. This includes all past letters not yet provided.
3. Mr. Colburn is to provide a rationale for **ENVIRONMENT?** based on Mr. Rash's position paper on environmental interrogation, and send it to **BASIS** editor.
4. The chair is to prepare a response to Dave Petty's letter to Forth Dimensions. Inputs from any member of the committee are welcomed, but must be provided quickly, as the deadline for submission of the response to FD is about Nov. 16. Mr. Rible is asked to once again encourage Mr. Petty to attend TC meetings.
5. **BASIS** editor is to include a prominent editor's box at the beginning of the Locals Word Set to indicate that a change in the storage order of locals is being considered.
6. The input stream working group is to report back at the next meeting regarding related items in the communique of November 10, 1990 from Dave Petty.

7. (Post meeting). BASIS editor is to include content of Mr. Forsley's proposal TP-752 as a rationale in the Statement of Work section.

Burning Issues

Count	Issue
7	Rationales
6	Wordlists
6	Missing sections in BASIS
5	Consistency of BASIS language
4	Guidelines for implementers
2	PAUSE implications
1	Prose clarity and quality

Next Meeting

The chair noted that if BASIS is not out by December 15, a postponement of the next meeting may be necessary.

Adjournment

There being no further business, the meeting was adjourned.