
Minutes of the Forth 200x Meeting #6

Forth 200x Standards Committee

Haus Rissen, Hamburg, Germany.

24–26 September 2010

Participants

Willem Botha	CCS, South Africa	
M. Anton Ertl	Technische Universität Wien, Austria	(Chair)
Andrew Haley	Red Hat, Cambridge, England	
Ulrich Hoffmann	FH Wedel, Germany	
Peter Knaggs	University of Exeter, England	
Bernd Paysan	Germany	
Stephen Pelc	MPE, England	
Bill Stoddart	Teesside University, England	
Leon Wagner	FORTH, Inc., USA	
Gerald Wodni	Technische Universität Wien, Austria	

In accordance with the membership rule:

- Gerald Wodni becomes a full member of the committee.
- Carsten Strotmann, Willi Stricker and Federico de Ceballos have lost their voting rights by not attending two consecutive voting meetings.

Minutes of last meeting

The draft minutes of the last meeting were accepted (7/0/0) as a true and accurate representation of the meeting.

Review of Forth2009.3 basis document

1. Added Exeter meeting to the “Foreword”
2. Added doctrinal designation for Anton Ertl and Ulrich Hoffmann. Changed contact details for Bill Stoddart and Leon Wagner.
3. Applied x:key-ekey: Replacing the paragraph of 3.1.2 *Character types* and adding section 3.1.2.3 *Primitive Character*. Adding the rationale for KEY, replacing the rationale for EKEY.
4. Added the X:namelen proposal: Extending the first paragraph of 3.3.1.2 *Definition names*. Adding the use of names longer than 31 characters as an Environmental dependancy.
5. Replaced “Rationale:” reference with a “See:” reference, extending the existing “See:” section where present.
6. Removed the “Implementation:” and “Testing:” references.
7. Added the X:2value proposal: Added 2VALUE.
8. Corrected the reference in the CATCH test case to refer to the THROW test case rather than back to the CATCH test case.
9. Replaced “bother with” with “process” in rationale for KEY?.
10. Applied the X:frunc proposal: Adding a definition of “Round toward zero” to the Floating-point operations and a “see also” clause to FLOOR.

11. Applied the X:fasih proposal: Removed the “float less than zero” ambiguous condition from FASINH and the reference to FASINH from the ambiguous condition.
12. Applied the X:frunc proposal: Added FTRUNC, references to FLOOR and FROUND.
13. Applied the X:fatan2 proposal: Revised description of FATAN2, adding a test section.
14. Applied the X:fvalue proposal: Added FVALUE.
15. Revised *Annex G Test Suite*. Corrected “exmaple” to “example” and “Heyes” to “Hayes”. Reduced severity of test by replacing “must” with “should”.

Consideration of proposals (CfVs)

Proposal	Comments	Vote	Action
xchars	Accepted	7/0/1	PK
	Accepted non substantive word changes	10/0/0	PK
synonym	Accepted into the TOOLS EXT wordset rather than the FACILITY EXT wordset	7/0/2	PK
EKEY Event	Parts 1–3 only	7/0/2	PK
	Remove the last paragraph (on the event record) from the rationale of EKEY.	8/0/1	PK
RfC	Accepted	9/0/0	PK
escaped-strings	Accepted	8/0/0	PK
N>R	Accepted	8/0/0	PK
Legacy Words	Parts 1–3, 5–7 only	7/0/1	PK
	Part 4.2 – Revised rationale for FORGET	8/0/0	PK
	Part 4.1 – Remove the obsolescence tag from FORGET	1/7/0	PK
Structures wording	Accepted	8/0/0	PK

Discussion of fast track proposals (RfCs)

Proposal	Comments	Vote	Action
Wordset-query	Accepted	7/0/0	PK

Discussion of draft proposals (RfDs)

Proposal	Comments	Status	Action
Unobsolete FORGET	Incorporated into Legacy Words proposal	Withdrawn	
:NAME	Deferred to Matters Arising	Ongoing	
i18n	Draft as RfD	Referred	SP/PK
c-addr/len	No longer required after introduction of <i>pchar</i> .	Withdrawn	
IEEE-FP	No further progress, Reference implementation to be provided in high level where possible.	Ongoing	AH
FNEGATE	Incorporate into IEEE FP proposal.	Referred	AH
substitute	Progress to CfV	Ongoing	SP
BUFFER:	Progress to CfV for inclusion in the Snapshot document.	Ongoing	SP
Filenames	Document environmental dependencies and restrictions on other filenames	Ongoing	AE
	Check whether it is feasible to support / on embedded file systems	Ongoing	SP/LW
Directories	Differed until after Snapshot document.	Ongoing	AE

extended-locals	Progress to CfV for inclusion in the Snapshot document.	Ongoing	PK
memory-access SIZE	Proposal not ready for consideration Difficult to implement on some systems, feedback has been ignored.	Referred Abandoned	SP/PK
HEADER <BUILDS	Deferred to Matters Arising This would break every ANS Forth implementation.	Ongoing Abandoned	

Progress Reports

Integration of RFIs

- 1: Meaning of “flag” returned by READ-LINE at end of file.
Revision of the definition of READ-LINE required. AE
- 2: Duplicate wordlist in search order.
No action required.
- 3: What is allowed between CREATE and DOES>.
No action required.
- 4: Punctuation for double-cell numbers.
Recommended modification to rationale to be included. PK
- 5: Initiation Semantics.
No action required.
- 6: Writing to Input Buffers.
No action required.
- 7: Distinction between IMMEDIATE and “special compilation semantics”.
No action required.

Matters Arising

1. The BUFFER: and extended-locals proposals have not been out for a CfV. The votes must be taken within the next four weeks for the proposals to be included in the next basis document (10-2) and subsequently the snapshot document. SP/PK
2. Annex C and D will need review before the snapshot document can be released. ALL
3. The :NAME and HEADER proposals prompted discussion on user defined parsing in general and the meaning of compilation and interpretation. It was felt that this is a large discussion which is beyond the scope of this meeting.

Any Other Business

1. The Snapshot document.
Once the committee has voted on the next basis document (10-2), this will become the first Candidate Release of the Snapshot document. This should be released in time for discussion at the next Forth-Tagung meeting in April.

Date of Next Meeting

The next meeting will be to review the first Candidate Release of the Snapshot document. This could be held electronically, or more likely immediately prior to the next Forth-Tagung meeting in April. This will be decided via an email vote when the Snapshot document is released. PK/UH

The next voting meeting will be held immediately prior to the next euroForth conference. The dates and location of the euroForth conference are yet to be confirmed. AE