Forth 200x Standards Committee #7

Technische Universität Wien, Vienna, Austria.

21–23 September 2011

Agenda

1. Attendance

2. Minutes of last meeting

3. Review of *Forth 2010.2* basis document
    - a) ed10
    - b) ed10b
    - c) x:rfc
    - d) x:legacy
    - e) x:wordset-query
    - f) x:escaped-strings
    - g) x:n-to-r
    - h) x:synonym
    - i) x:xchar
    - j) x:ekey
    - k) x:structures2

4. Consideration of proposals (CfVs)
    - a) x:enhanced-locals
    - b) x:buffer (BUFFER:)

5. Consideration of draft proposals (RfDs)
    - a) x:is
    - b) Found
    - c) Multi-tasking block buffers

6. Consideration of Candidate Release
    - a) Numbering of new words
    - b) Removal of extension query designations
    - c) Removal of Annex F (Reference Implementation)
    - d) Removal of Annex G (Test Suite)
    - e) Removal of Annex H (Change Log)
    - f) Revision of Annex C (Perspective)
    - g) Revision of Annex D (Compatibility with ANS Forth)
    - h) Revision of Annex E (ANS Forth portability guide)

7. Progress Reports:
    - a) Text Substitution
    - b) Internationalisation (i18n)
    - c) Cross Compiler
    - d) IEEE FP (ieee-fp)
    - e) File Names and Directories
    - f) Directories (directories)
    - g) Memory-Access (memory)

8. Matters arising

9. Date of Next Meeting

10. Any Other Business

Forth 200x Standards Committee #6

Haus Rissen, Hamburg, Germany.

24–26 September 2010

Draft Minutes

1 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.

2 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.

3 Review of Forth2009.3 basis document

i) Added Exeter meeting to the "Foreword"

ii) Added doctrinal designation for Anton Ertl and Ulrich Hoffmann. Changed contact details for Bill Stoddart and Leon Wagner.

iii) 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.

iv) 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.

v) Replaced "Rationale:" reference with a "See:" reference, extending the existing "See:" section where present.

vi) Removed the "Implementation:" and "Testing:" references.

vii) Added the X:2value proposal: Added 2VALUE.

viii) Corrected the reference in the `CATCH` test case to refer to the `THROW` test case rather than back to the `CATCH` test case.

ix) Replaced "bother with" with "process" in rationale for `KEY?`.

x) Applied the X:ftrunc proposal: Adding a definition of "Round toward zero" to the Floating-point operations and a "see also" clause to `FLOOR`.

xi) Applied the X:fasinh proposal: Removed the "float less than zero" ambiguous condition from `FASINH` and the reference to `FASINH` from the ambiguous condition.

xii) Applied the X:ftrunc proposal: Added `FTRUNC`, references to `FLOOR` and `FROUND`.

xiii) Applied the X:fatan2 proposal: Revised description of `FATAN2`, adding a test section.

xiv) Applied the X:fvalue proposal: Added `FVALUE`.

xv) Revised Annex G "Test Suite". Corrected "exmaple" to "example" and "Heyes" to "Hayes". Reduced severity of test by replacing "must" with "should".

4   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 rational 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**

5   Discussion of *fast track* proposals (RfCs)

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

6 Discussion of *draft* proposals (RfDs)

Proposal	Comments	Status	**Action**
Unobsolete FOR-GET	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 pchar.	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	Proposal not ready for consideration	Referred	**SP/PK**
SIZE	Difficult to implement on some systems, feedback has been ignored.	Abandoned	
HEADER	Deferred to Matters Arising	Ongoing	
<BUILDS	This would break every ANS Forth implementation.	Abandoned	

7 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.   **Action: 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.   **Action: 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.

8   Matters Arising

i) 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.   **Action: SP/PK**

ii) Annex C and D will need review before the snapshot document can be released.   **Action: ALL**

iii) 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.

9   Any Other Business

i) 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.

10   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 vail an email vote when the Snapshot document is released.
Action: 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.   **Action: AE**