

Forth 200x Standards Committee #6
Haus Rissen, Hamburg, Germany.
22–24 September 2010

Agenda

1. Attendance
2. Minutes of last meeting
3. Review of Forth200x basis document
 - a) ed09b
 - b) x:2value proposal
 - c) x:fatan2 proposal
 - d) x:fasinh proposal
 - e) x:ftrunc proposal
 - f) x:fvalue proposal
 - g) x:key-ekey proposal
 - h) x:namelen proposal
4. Progress Reports:
 - a) Text Substitution
 - b) Integration of RFIs
5. Consideration of proposals (CfVs)
 - a) Extended Characters (xchar)
 - b) Synonym
 - c) EKey Event Record
 - d) RfC (Wording changes)
 - e) Escaped Strings
 - f) N>R and NR> (n-to-r)
 - g) Legacy Words
 - h) Structures wording
6. Consideration of draft proposals (RfDs)
 - a) :NAME
 - b) Internationalisation (i18n)
 - c) Wordset Queries
 - d) IEEE FP (ieee-fp)
 - e) FNEGATE specification for signed zero (fnegate-zero)
 - f) BUFFER: (buffer)
 - g) File Names and Directories

- h) Directories (**directories**)
 - i) Enhanced local variable syntax (**locals**)
 - j) Memory-Access (**memory**)
 - k) **SIZE**
 - l) **HEADER**
 - m) **<BUILDS**
7. Matters arising
 8. Date of Next Meeting
 9. Any Other Business

Forth 200x Standards Committee #5

University of Exeter, England.

3–4 September 2009

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:

- Andrew Haley and Leon Wagner become full members of the committee.
- Gerald Wodni was allowed to vote at the discretion of the committee.
- Carsten Strotmann, Willi Stricker and Federico de Ceballos will lose their voting rights if they do not attend the next voting meeting.

2 Minutes of last meeting

The draft minutes of the last meeting were accepted (10/0/0) as a true and accurate representation of the meeting.

3 Review of Forth2009.2 basis document

- i) Added Vienna and Rheine meetings to the “Foreword”
- ii) Correction of “an standard” to “a standard” in the “Process”.
- iii) Change of contact details for Peter Knaggs and the addition of contact details for Andrew Haley, Ulrich Hoffmann, Bernd Paysan, Willi Stricker, and Leon Wagner. “Forth, Inc.” changed to “FORTH, Inc.”
- iv) “schools of though” change to “schools of thought” in the rational of BEGIN-STRUCTURE.
- v) “associated” changed to “assigned” in the ambiguous conditions for the X:deferred extension and the definitions of ACTION-OF, DEFER, DEFER@, VALUE and (LOCAL).
- vi) Added X:fp-stack proposal: Added the combined float/data stack to 1.4.2 “Obsolescent features”. Making the separate floating point stack the default, with a combined stack being an environmental dependency. (12.2.2 Notation, 12.3.3 Floating-point stack, 12.2 Environmental Query

Strings, 12.4.1.4 Environmental restrictions, 12.4.2.1 Environmental dependencies, and 12.6.1.1497 FDEPTH)

- vii) Moving of the obsolete words from the CORE EXT and TOOLS EXT wordsets into their own Legacy wordset was rejected, in favour of a new section to Annex D “Compatibility analysis of ANS Forth”. A new RfD must be drafted reflecting this change. (10/0/0) **Action: PK**
- viii) Introduction to the new Annex F “Reference Implementations”.
- ix) Revised Annex G “Test Suite”. New tests need testing in light of the revised test harness. **Action: All**
- x) Annex F (Reference Implementations) and G (Test Suite) should not be included in the SnapShot document, but provided as separate documentation on the web site. (10/0/0) **Action: PK**

4 Consideration of proposals

Proposal	Comments	Vote	Action
2VALUE	Accepted, changing “associated” to “assigned”	10/0/0	PK
FVALUE	Accepted, changing “associated” to “assigned”	10/0/0	PK
FATAN2	Accepted	10/0/0	PK
FASINH	Accepted	10/0/0	PK
FTRUNC	Accepted, changing FLOATING to FLOATING EXT	10/0/0	PK

5 Discussion of *fast track* proposals

Proposal	Comments	Vote	Action
name-length	Accepted	10/0/0	PK
c-addr/len	Write up as RfD	10/0/0	PK
KEY/EKEY	Accepted parts 1–5. Parts 6–9 should be a separate proposal (event record).	9/0/1	PK

6 Discussion of *draft* proposals

Proposal	Comments	Status	Action
escaped-strings	Progress to CfV	Ongoing	PK
synonym	Progress to CfV	Ongoing	SP
xchars	Progress to CfV	Ongoing	BP/AE
i18n	Draft as RfD	Ongoing	PK
memory-access	Change of word taxonomy	Referred	SP/FC
IEEE-FP	An embryonic proposal, considered to be on-course to provide a valuable extension. A vote of thanks to David Williams for spearheading this proposal was carried (10/0/0)	Ongoing	AH
FNEGATE	Is this in the right place? Maybe a negative-zero proposal, or maybe it’s subsumed by IEEE FP. Go to CfV or retract.	Referred	AE
substitute	Add an UNESCAPE to remove escapes from a string and raise a new RfD	Ongoing	SP
N>R	Progress to CfV	Ongoing	SP
BUFFER:	Progress to CfV	Ongoing	SP
extended-locals	Progress to CfV	Ongoing	SP

7 Matters Arising

- i) Structures: The stack description for FIELD:, CFIELD:, FFIELD:, SFFIELD: and DFFIELD: are incorrect. A fast track RfD should be developed to correct these definitions. **Action: PK**
- ii) Identification: The new SnapShot document should have an environmental query to identify a system conforming to the new document. An RfD should be drawn up. **Action: AE**
- iii) Submission: The procedure necessary to submit the SnapShot document for consideration to ISO and/or ANSI was discussed. It was generally agreed that it need not necessarily be an ISO standard, and that ISO would almost certainly pass the document back to ANSI for review. ANSI procedures require at least four U.S. citizens to be on the committee to review an ISO standard. It was agreed that we should approach both ISO and ANSI for further information. **Action: LW/PK**

8 Date of Next Meeting

The next meeting to be held toward the end of April to review CfVs for inclusion in the SnapShot document. This meeting may be held in conjunction with the Forth-Tagung in Rostock, Germany, or possibly electronically. **Action: UH**

The next euroForth conference is due to be held in Germany. This meeting should be to confirm acceptance of the SnapShot document. The dates and location of the euroForth conference are yet to be decided. **Action: UH**