

**Forth 200x Standards Committee #5**

**University of Exeter, England.**

**3–4 September 2009**

**Agenda**

1. Attendance
2. Minutes of last meeting
3. Review of Forth200x basis document
  - a) ed08
  - b) ed09
  - c) X:fp-stack proposal
  - d) x:legacy proposal
  - e) x:reference proposal
  - f) x:test proposal
4. Consideration of proposals (CfVs)
  - a) 2value proposal
  - b) fvalue proposal
  - c) ftrunc Floating point truncation
  - d) fsinh Unneeded restriction in FASINH
  - e) fatan2 Ambiguity in FATAN2
5. Consideration of draft proposals (RfDs)
  - a) Escaped Strings
  - b) Synonym
  - c) Obsolescent word set
  - d) Extended Characters (xchar)
  - e) Internationalisation (i18n)
  - f) Memory-Access (memory)
  - g) IEEE FP (ieee-fp)
  - h) FNEGATE specification for signed zero (fnegate-zero)
  - i) KEY/EKEY (key-ekey)
  - j) Definition Name Length (name-length)
  - k) Assign (associate-assign)
  - l) Text Substitution (substitution)
  - m) N>R and NR> (n-to-r)
  - n) BUFFER: (buffer)
  - o) Directories (directories)

p) Enhanced local variable syntax (**locals**)

6. Matters arising
7. Date of Next Meeting
8. Any Other Business

**Forth 200x Standards Committee #4**  
**Technische Universität Wien, Vienna, Austria.**  
**25–26 September 2008**

**Draft Minutes**

**1 Participants**

Willem Botha	CCS, South Africa
Federico de Ceballos	University of Cantabria, Spain
M. Anton Ertl	Technische Universität Wien, Austria (Chair)
Andrew Haley	Red Hat, Cambridge, England
Ulrich Hoffmann	FH Wedel, Germany
Dr. Peter Knaggs	University of Exeter, England
Bernd Paysan	Germany
Stephen Pelc	MPE, England
Dr. Bill Stoddart	University of Teesside, England
Willi Stricker	FH Hannover, Germany
Leon Wagner	Forth, Inc., USA

Ulrich Hoffmann and Bernd Paysan become full members of the committee according to the membership rules.

Andrew Haley, Willi Stricker and Leon Wagner were allowed to vote at the discretion of the committee in accordance with the membership rules.

**2 Minutes of last meeting**

The draft minutes of the last meeting contain a mistake: They claim that the `throw-iors` proposal was referred for further clarification, when they were accepted. With this correction the minutes were accepted (10/0/1) as a true and accurate representation of the meeting.

**3 Review of Forth2007.2 basis document**

- i) `␣TeX` source file now given in page footer.
- ii) Inline rationale text now in sans-serif font.
- iii) Renamed “forward” to “foreword”.
- iv) Two new sentences added to “Process”.
- v) Membership Rules added to “200x Membership”.
- vi) Added `X:number-prefix` proposal: extending section 2.2.1 Numeric notation and table 3.6 Forth 200x Extensions. Replacing section 3.4.1.3 Text interpreter input number conversion, with the addition of text to 8.3.2 Text interpreter input number conversion. Moving section 12.2.2 Notation to section 2.2.1 Numeric notation. Adding test cases to section A.3.4.1.3 Numeric notation.
- vii) Added `X:structures` proposal: extended table 3.6 Forth 200x Extensions, sections 4.1.2 Ambiguous conditions and 10.4.1.2 Ambiguous conditions. Adding section 10.3.1 Data types, `BEGIN-STRUCTURE`, `END-STRUCTURE`, `+FIELD`, `CFIELD:` and `FFIELD:` to 10.6.2 Facility extension words and `DFIELD:`, `FFIELD:` and `SFFIELD:` to 12.6.2 Floating extension words.  
  
The rationale for `BEGIN-STRUCTURE` contains the phrase “school of though” which should be corrected to “school of thought”. **Action: PK**
- viii) Added `X:throw-iors` proposal: extended tables 3.6 Forth 200x Extensions and 9.2 `THROW` code assignments.

- ix) Tidied up source code in X:keys definitions, adding rationale for to EKEY.  
The text relating to the relationship between KEY, KEY?, EKEY and EKEY? still needs work, in particular the persistence of the value returned. **Action: AE/SP/PK**
- x) Corrected a number of section numbering errors in appendix A Rationale.
- xi) Added books by Elizabeth Rather and Stephen Pelc; a URL for the Thinking Forth entry in the appendix B Bibliography.
- xii) Reformatted appendix G Change Log to allow the separate versions of the basis document to appear in the table of contents.

#### 4 Consideration of proposals

Proposal	Comments	Vote	Action
fp-stack	Accepted with minor modifications	10/0/0	AE

#### 5 Discussion of *draft* proposals

Proposal	Comments	Status	Action
2value	Redraft with new T0	Ongoing	AE
directories	Referred for workshop discussion	Ongoing	AE
escaped-strings	Progress on to CfV	Ongoing	AE/PK
f-value	Redraft with new T0	Ongoing	AE
synonym	Minor revision to ambiguous conditions	Ongoing	SP/PK
extended-locals	Revise { syntax	Referred	SP
local-buffers	Withdrawn to be replaced by a new RFD	Withdrawn	
xchars	Referred for a workshop discussion to integration into a proposed localisation wordset.	Ongoing	BP/AE

#### 6 Progress Reports

- a) Development Reports
  - i) 0 for NIL No progress to report. **Action: FC/AE**
  - ii) 16-/32-bit signed/unsigned ! and @ for integers, bytes, octets.  
Some progress, but would like assistance before publication. **Action: FC**
  - iii) `directory`: directory accessing in general  
Referred to a workshop regarding use of text substitution. **Action: AE**
- b) Integration of RFI0007 (IMMEDIATE vs “compilation semantics”)  
No progress to report. **Action: AE/PK**
- c) Obsolescent Word set  
It was agreed that the words should be moved to a non-normative appendix rather than a new wordset (11/0/0). A RFD should be developed for the next meeting. **Action: PK**
- d) Review/integration of RFI documents:  
No progress to report. **Action: AE/PK**

#### 7 Matters Arising

- i) Cross Compiler: Develop Elisabeth Rather’s Cross Compiler proposal into an RfD.  
**Action: BP/LW/SP**
- ii) Localisation: Develop L10N proposals into RFD, with the possible integration of the existing xchar proposal. **Action: PK/SP**
- iii) The length of the meeting was considered. It was agreed that the next voting meeting should be extended by a day to allow time for workshop discussions.

## **8 Date of Next Meeting**

A review meeting to be held in conjunction with the Forth-Tagung in April/May. **Action: UH**

The next voting meeting will be held directly before the next euroForth conference to be held at the University of Exeter, in England, September 2-4. **Action: PK**