Forth 200x Standards Committee #7

Technische Universität Wien, Vienna, Austria.

21–23 September 2011

Minutes

1 Participants

M. Anton Ertl	Technische Universität Wien, Austria	(Chair)
Andrew Haley	Red Hat, Cambridge, England	
Peter Knaggs	Exeter, England	
Bernd Paysan	Munich, Germany	
Stephen Pelc	MPE, England	
Carsten Strotmann	Neuenkirchen, Germany	(Observer)
Bill Stoddart	Teesside University, England	
Leon Wagner	FORTH, Inc., USA	
Gerald Wodni	Technische Universität Wien, Austria	

- Willem Botha submitted apologies and was granted a request for a proxy vote via Stephen Pelc. (6/0/0)

2 Minutes of last meeting

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

3 Review of Forth2010.2 basis document

a) ed10 — Changes agreed at Rostock meeting

b) ed10b — Changed agreed at Hamburg meeting

c) x:rfc — Rules for non-substantive changes

d) x:legacy — Remove obsolescent words **Action: PK**
    i) Remove example from rationale for `FORGET`. (8/0/0)
    ii) Add a reference to the rationale for `MARKER`. (8/0/0)

e) x:wordset-query — Make wordset queries obsolescent **Action: PK**
    i) Add reference to rationale in 3.2.7. (8/0/0)
    ii) Rename all references to ANS Forth or Forth-94 as Forth 94. (8/0/0)
    iii) Adjust section numbering in rationale. (8/0/0)

f) x:escaped-strings — Add `S\"` **Action: PK**
    i) Revise description of `\n`. (8/0/0)

g) x:n-to-r — Add `N>R` and `NR>`

h) x:synonym — Add `SYNONYM` **Action: PK**
    i) Add clarification for the clause "*Newname* may be the same as *oldname*." (9/0/0)

i) x:xchar — Add Extended Character wordset

j) x:ekey — Remove reference to an event records from `EKEY`

k) x:structures2 — Replace invalid descriptions **Action: PK**
    i) Change alignment requirements for `CFIELD:`, `DFIELD:`, `FFIELD:` and `SFFIELD:`. (9/0/0)
    ii) Replace comments with stack descriptions in rationale. (9/0/0)

4   Consideration of proposals (CfVs)

Proposal	Comments	Vote	**Action**
enhanced-locals	Accepted with minor changes to the rationale	7/0/0	**PK**
buffer	Accepted with minor changes to the rationale	7/0/0	**PK**
substitute	Accepted with an additional restriction on `REPLACES`.	8/0/0	**PK**

5   Discussion of *draft* proposals (RfDs)

Proposal	Comments	Status	**Action**
is	Accepted after significant rewording to replace "assigned" with "set" in `ACTION-OF`, `DEFER` and `DEFER@`.	Accepted 8/0/0	**PK**
Found	Refers to an active area of investigation and is not common practise, and therefore not suitable for standardisation at this time. See Matters Arising.	Ongoing	**SP**
Multi-tasking	Add rational for Parsing in Block word set relating to multi-tasking considerations.	Accepted (9/0/0)	**PK**
Source-id	Add clarification of entitlements when including a file, by extending 11.3.4.	Accepted (9/0/0)	**PK**

6   Consideration of Snapshot   **Action: PK**

a) Numbers for new words (9/0/0)

b) Removal of Extensions designations, section 3.2.8 Extension queries, Table 3.7 and the designation from the glossary entry of new words (9/0/0)

c) Replace reference to the x:number-prefix extension with a documentation requirement. (9/0/0)

d) Remove Annex F (Reference Implementation) to a separate document under the committee's control and available from the Forth 200x web site. (9/0/0)

e) Remove Annex G (Test Suite) to a separate document under the committee's control and available from the Forth 200x web site. (9/0/0)

f) Remove Annex H (Change Log). (9/0/0)

g) Remove Annex C (Perspective). (9/0/0)

h) Replace Annex D (Compatibility with ANS Forth) with a description of the Forth 200x process and the differences between Forth 200x and ANS Forth. (9/0/0)
Action: All

i) Remove Annex E (ANS Forth portability guide) (9/0/0)

j) Draft an RfC revising chapter 5 (Compliance and labeling) to centralise labelling requirements. Thus removing the additional requirements for each word set. (9/0/0)

7   Progress Reports

a) Internationalisation (i18n)
Now that text substitution has been accepted work can begin.   **Action: SP/PK**

b) Cross Compiler
Ongoing   **Action: SP/LW/BP**

c) IEEE FP (ieee-fp)
Ongoing   **Action: AH**

d) File Names and Directories
Ongoing   **Action: AE**

e) Directories (directories) In progress **Action: AE/SP**

f) Memory-Access (memory)
New RfD to be posted shortly **Action: PK/SP/LW**

8 Matters Arising

a) The xchar proposal does not indicate what should occur when only part of a multi-byte character is output via `EMIT` or left at the end of a buffer output by `TYPE`. It was agreed that it is the task of the receiving device to handle such occurrences, the author of the proposal was asked to provide suitable wording. **Action: BP**

b) The Found proposal continued the the discussion prompted by the :NAME and HEADER proposals. This is an active area of investigation and that further discussion is beyond the scope of a standards meeting. A discussion paper may be forthcoming on this topic at a future conference. **Action: SP**

c) Annex D is to be rewritten. The revised version to be circulated and voted on via the email list only prior to the snapshot release. **Action: ALL**

The following items where raised and discussion curtailed due to lack of time.

d) Consideration of x:structures2 prompted a desire to discuss the alignment requirements of `CREATE`.

e) The desire to make `ENVIRONMENT?` obsolescent.

f) The desire to remove chapter 4 Documentation requirements was discussed.

9 Any Other Business

Commitment to Snapshot document

SP requested that the committee commit to using the outcome of the meeting, the 2011.1 document, as the fist draft of the snapshot document and that the document be closed to further proposals excepting for a public review process. (7/0/0)

10 Date of Next Meeting

The next voting meeting will be held immediately after the next euroForth conference, to be held 12–14 September 2012 at Exeter College, Oxford, England.