Forth 200*x* Standards Committee #9
Haus Rissen, Hamburg, Germany
25–27 September 2013

Agenda

1. Attendance (AE)

2. Minutes of last meeting (AE)

3. Review of *Forth 2012.2* basis document (PK)
    a) ed12
    b) F12
    c) numbering
    d) x:stoftos
    e) subtitute
    f) compatibility
    g) test12

4. Consideration of proposals (CfVs)
    a) x:traverse-wordlist (AE)

5. Consideration of draft proposals (RfDs)
    a) throw-iors (PK)

6. Consideration of Wording Changes (RfCs) (AE/PK)
    a) C7 Differences between Forth 2012 and ANS Forth
    b) C7.1 Obsolete Words
    c) C7.2 Combined Floating-Point/Data Stack Obsolescent
    d) C7.3 Environment?
    e) C7.4 Additional TO targets
    f) C7.5 Throwable ior values
    g) C7.6 EKEY return values
    h) C7.7 Enhanced Locals
    i) C7.8 FASINH
    j) C7.9 FATAN2
    k) C7.10 Number prefixes
    l) x:block
    m) x:source-id

7. Consideration of Candidate Release (PK)
    a) rc1
    b) Rational for (`LOCAL`) (AH)
    c) Revision of Annex C (Compatibility with ANS Forth) (All)
    d) Revision of Annex D (Portability guide) (All)

8. Progress Reports: (AE)
    a) xchar and `EMIT` (BP)
    b) Internationalisation (i18n) (SP/PK)
    c) Cross Compiler (xc)(SP/LW/BP)
    d) IEEE FP (ieee-fp) (AH)
    e) Found (AH)
    f) File Names and Directories (AE)
    g) Directories (directories) (AE/SP)
    h) Memory-Access (memory) (LW/PK/SP)

9. Electronic Vote (GW)

10. Matters arising (AE)

11. Date of Next Meeting (AE)

12. Any Other Business (AE)

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Forth 200x Standards Committee #8

Exeter Collage, Oxford, UK.

12–14 September 2012

Draft Minutes

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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	Trowbridge, England	
Bernd Paysan	Munich, Germany	
Stephen Pelc	MPE, England	
Leon Wagner	FORTH, Inc., USA	
Gerald Wodni	Technische Universität Wien, Austria	

- Willi Stricker was permitted voting rights at the discretion the committee   (9/0/0)

- Bill Stoddart has missed one meeting and will be removed from the committee should he miss the next meeting.

2 Minutes of last meeting

The draft minutes of the last meeting were accepted as a true and accurate representation of the meeting, subject to a minor change to item 4.   (10/0/0)

3 Review of Forth2011 basis document

a) ed11 — Alignment requirements for `FIELD:` etc, revised.   **Action: PK**

b) F94 — Mostly accepted but a number of alterations required.   **Action: PK**

c) enhanced-locals — Added {:.

d) x:is — Revision of "assign" to "set to", additional revisions identified.   **Action: PK**

e) x:buffer — Added `buffer:`.

f) x:block — Added justification for multiprogramming block restrictions.

g) x:source-id — Added text to allow slurping.

h) x:substitute — Added `REPLACES`, `SUBSTITUTE` and `UNESCAPE`, with revisions to `SUBSTITUTE`.

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Action: PK

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4 Consideration of proposals (CfVs)

Proposal	Comments	Vote	**Action**
s-to-f	Accepted with revisions	10/0/0	**PK**

5 Discussion of *fast track* proposals (RfCs)

Proposal	Comments	Vote	**Action**
substitute	Additional clarification accepted	10/0/0	**PK**
parse	Revision to rational accepted	10/0/0	**PK**
compatibility	Revised annex D up to and including D.6 accepted, revisions to D.7 and a new D.8 (new concepts) required	10/0/0	**PK**

6 Consideration of Snapshot   **Action: PK**

a) ANS Forth to be renamed Forth 2012 (10/0/0)

b) Chapter 5 (Compliance and Labelling) to remain unchanged (apart from references to ANS Forth) (10/0/0)

c) Annex B (Bibliography) to be retained, but reviewed (10/0/0)

d) Annex C (Perspective) to be removed (10/0/0)

e) Revisions to Annex D (Compatibility) to be included (10/0/0)

f) Revisions to Annex E (Portability guide) to be included (10/0/0)

7 Progress Reports

a) Internationalisation (i18n)
Ongoing   **Action: SP/PK**

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

c) IEEE FP (ieee-fp)
The proposal is to be reviewed in light of IEEE 754-1 rather than tracking IEEE 754.
Action: AH

d) Found
No common practise has been identified. This impacts on a number of other issues which should be resolved (such as the meaning of an XT and the number of XTs per word) before this can be standardised. Further investigation required.   **Action: AH**

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

f) Directories (directories)
Ongoing   **Action: AE/SP**

g) Memory-Access (memory)
Ongoing   **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 incorrect use of "via" identified and reworded where necessary.   **Action: PK**

c) The replacement of "assign" with "set to" has incomplete, all uses of "assign" were amended as necessary.   **Action: PK**

d) Alignment of data structure defining words where reviewed leading to the removal of the restriction.   **Action: PK**

e) A significant review of Annex A (Rational) was undertaken with many sections being either removed and/or rewritten. **Action: PK**

9 Any Other Business

Candidate Release

A candidate release to be made available for the Silicon Valley Forth Interest Group (SVFIG) Forth day (November 17, 2012).

Electronic Vote

An electronic vote will be taken on taking the Release Candidate forward to public review. (10/0/0) **Action: GW**

10 Date of Next Meeting

The next voting meeting will be held immediately after the next euroForth conference, September 25–27, 2013. With an electronic meeting to take place one month after the publication of the Release Candidate.