Forth Standards Committee

Virtual

1–3 September 2020

Draft Minutes

1 Participants

WB	Willem Botha	CCS	South Africa	
	Gordon Charlton			(Observer)
JD	Jermain Davies	CCS	South Africa	
AE	M. Anton Ertl	Technische Universität Wien	Austria	
AH	Andrew Haley	Red Hat, Cambridge	England	
	John Helmers			(Observer)
UH	Ulrich Hoffmann	FH Wedel	Germany	
PK	Peter Knaggs	Independent, Trowbridge	England	(Editor)
KM	Krishna Myneni	Independent, Huntsville, AL	USA	
HO	Howerd Oakford	Inventio Software Ltd	Germany	
BP	Bernd Paysan	Net2o	Germany	(Treasurer)
SP	Stephen Pelc	MPE	England	(Chair)
	Ruvim Pinka			(Observer)
	Bill Ragsdale			(Observer)
	Andrew Read			(Observer)
	Brad Rodriguez			(Observer)
LW	Leon Wagner	FORTH, Inc.	USA	
GW	Gerald Wodni	Independent, Wien	Austria	(Technical)

- Paul Bennett has not attended two consecutive meetings and is deemed to have resigned from the committee.

- Krishna Myneni was voted onto the committee (9/0/0)

2 Review of Procedures

2.1 Coving consequences

1. Item 5.7 of the constitution reques the Annual General Meeting to be in person. This will need to be modified to allow for a virtual meeting.

   Replace item 5.7:

   > General Meetings, with the exception of the Annual General Meeting, may be virtual (e.g., via Telephone, eMail, chat, etc.)

   with the following

   > General Meetings may be virtual (e.g., via Telephone, eMail, chat, etc.)

   Note that item 11.1 requires a two thirds majority of voting member at a General Meeting to change the constitution. (12/0/0) **Action: PK**

2. Due to the lack of secret voating on the current platform, the election of officers will be postponed until 2021, with the current officers remaining in post. (12/0/0)

2.2 Brexit consequences

None.

2.3 Payment for services/licences

The platform being used for the virtual meeting does not require any licence fee although individual donations to the senfcall project would appreciated.

3 Reports

3.1 Chair

None

3.2 Editor

1. Minutes of the last meeting are available in the Forth-Standard/forth200x/meetings directory on github.

2. A revised document containing the changes agreed in 2018 and 2019 has not yet been published. I intend to published a revised document ready for the 2021 meeting.

3.3 Technical

1. The ideas expressed in the www.forth-standard.org workshop in the Edenbrough (2018) and Hamburg (2019) meetings have now been implemented.

2. Add a Moderator button to the Manage users page **Action: GW**

3. Yahoo no longer archives the mail list, list should be moved to Forth-Gesellschaft (forth-ev.de). **Action: PK/BP**

4. Provide a CfV (Call for Votes) public consultation mechanisam for proposals **Action: GW**

3.4 Treasurer

Current balance: 0, no income, no outgoings, no bank account.

4 Review of proposals and activities

#	Proposal	Comments	Vote	**Action**
—	Recognisers	Discussion without resolution, moved to Workshop.	—	**BP**
—	Multi-tasking	Formal proposal upcomming (memory model missing)	—	**AH**
333	IMMEDIATE ambiguous condition	Propose to remove the ambiguous condition from 16.3.3	6/4/2	**SP**
471	CS-DROP	Revise CS-PICK to say orig and dest and add CS-DROP	11/0/1	**PK**

114	Case insensitivity	Go to CfV (once www.forth-standard.org supports it)	—	**AE**
465	`[DEFINED]`	Remove the "rules of FIND"	10/0/0	**PK**
—	`SYNONYM`	Delete reference implemention	12/0/0	**PK**
453	`VOCABULARY`	Add to Search-Order word set	12/0/0	**PK**
487	TRAVERSE-WORDLIST	Accept wording change	11/0/0	**PK**
121	`[IF]`	Accept revised reference implemention	10/0/0	**PK**
433	`FIND`	ongoing	—	**AE**
174	`FIND-NAME`	Accepted in the 2018 meeting	–	
481	License	Annex E licenced under CC0	12/0/0	**PK**
124	`REPLACES`	Wording change to remove "current region"	11/0/1	**PK**
125	`RECURSE`	Endorse AE/PK responces	—	**GW**
126	`[IF]`	Align input of `[IF]` with `IF`	12/0/0	**PK**
127	`WITHIN`	Endorce ruv responce	—	**GW**
128	colon	Minor rewording	11/0/1	**PK**
129	`NAME>INTERPRET`	Change definition of "execution token"	—	**AE**
130	initiation semantics	New proposal to remove initiation semantics	—	**AE**
131	Recognizer rephrase	Moved into Recorgnizer workshop	—	
132	`(`	Typo in a testcase	10/0/0	**PK**
134	`[ELSE]`	Question regarding use of `[IF]` `[ELSE]` `[THEN]` withdraw by author.		

156	locals	Decalre interpretation secantics for locals as undefnied	12/0/0	**PK**
135	S>D	S>D is in the CORE word set as the number conversion words (<# # #S #>) require double numbers.	—	**SP**
136	XT for multiple words	TC unable to respond at this time	ongoing	
137	locals recognizer	This is an issue to be addressed in the Recognizer workshop	—	
128	SM/REM	Error in rest case	10/0/0	**PK**
141	DEFER	Anton to reply	—	**AE**
142	Recogniser	Moved to recogizer workshop	—	
143	SYNONYM	Ongoing AE/BP to make a proposal	—	**AE/BP**
144	PARSE	AE to reply	—	**AE**
145	Typo in F.1 ¶2	Teat should read Test	10/0/0	**PK**

5 Workshops

5.1 Future Document Format

PK (editor) has proposed an extension to the XML/DocBook format for the document. XML being significantly easer to parse than the current LaTeX document, although the DocBook variant being well defined but not so well understood. The proposal is incomplete and contains a number of questions relating to the semantic interpretation of text. Feedback on the propsed format is welcome.

Conversion between the current LaTeX and the proposed DocBook format would be a significant task. No tooling is currently available. While there are DocBook editors available they are not necerrly easy to work with and frequently comercial. The main advantage of using XML/DocBook would be the provision of XSLT scripts to convert the document into other formats, such as LaTeX (for conversion to PDF) and ePUB formats.

The www.forth-standard.org site has been developed to import the current LaTeX format document. **Action: All**

5.2 Stack Comments

This workshop did not take place.

5.3   Test suites

The philsophy of the John Hayes test suite was discussed. While the Hayes suite only deals with a subset of the CORE words, it uses an incremential approch, testing each assumtion before building on that assumtion. Thus it has an internal integrety.

The Gerry Jackson test suite deals with many more word sets, but does not appear have the integrety of the Hayes suite.

Annex F attempts to retain the integrety of the Hayes suite in §F.3 (Core Tests). However, it is beleved that most developers ignore this section and simply use the tests associated with individual words.

A suggestion of providing a set of libraries holding the test suite was discussed.

It has been reported that Gerry Jackson would be willing to maintain such a library. PK to contact Mr Jackson with regard to takiing over maitinance of the Annex.   **Action: PK**

5.4   Recognisers

Some bikeshedding about name and terminology. The committee indicated a liking for the work by UH regarding naming.

Removing the opacity of *rectype* to allow dispatch with '`STATE @ CELLS + @ EXECUTE`'. This woks better with the A/B `POSTPONE`, if you do a `POSTPONE` mode such as gForth's `]] ... [[`.

BP believes that dealing with C/D `POSTPONE` is possible in a cross-compiling environment.

6   Matters Arising

None.

7   Any Other Business

None.

8   Date of Next Meeting

The next standards meeting will be held in Rome, Itily from 8–10/Sep/2021 or 7–9/Sep/2021 if virtual.