

# UA Tech WG Meeting Notes

## 08 May 2023

### Attendees

Satish Babu	Solomon Kutiname
Jim DeLaHunt	Maud Adjeley Ashong Elliot
Harsha Wijayawardhana	Jules Nizeyimana
Johnkenedy Kungura	Gaurav Prakash
Sushanta Sinha	Sonigitu Ekpe
Jahangir Hossain	Millenium Anthony
Abdulkarim Oloyede	Rajiv Kumar
Mohamed Elnour Abdelhafez	Abhishek Mishra
Samwel Kariuki	Seda Akbulut
	Yin May Oo

### Meeting Agenda:

1. Welcome and Roll Call
2. FY24 Planning - UA Tech WG Action Plan (45 min)
3. T5 Survey finalization (15 min)
4. AOB

**Meeting Recording :** [Link](#) , password [Jw9^f@sn\$5]

### Meeting Notes/Minutes

#### Welcome and Roll Call

The new member was introduced as Johnkenedy Kongura from Tanzania.

#### FY24 Action Planning

Seda presented the meeting agenda, and explained the action plan to the working group. Seda shared the [FY24 Action Planning spreadsheet](#) with the WG. The action items to review from last year are from T1 to T8, and invited the members to add suggestions and important matters to add to the plan.

WG	#	FY23 Tasks	Description	Notes
Technology	T1	Identify technology stacks for UA testing – Phase 2		Regular work. Can be carried forward to FY24.
Technology	T2.1	Demonstrate how to program for UA in Java, Java Script and Python3		Regular work. Completed: Sample codes at Github - UASG043. Mobile platforms, PHP, etc. can be added (?)
Technology	T2.2	Step by step instructions to make UA ready websites, configure CMS, etc.		UASG 045 will cover this partly
Technology	T3	Conduct technology remediation for websites		Almost completed: UASG 045 to be published soon
Technology	T4	Develop additional training materials		Regular work. Can be carried forward to FY24. - Programming Training for UA-4hr - Email Administration Training for UA-4hr
Technology	T5	Identify the big picture UA challenges in 2022 through surveys of targeted stakeholders and provide recommendations to the UASG		Under Planning: Expert Consultation Survey + Three more surveys(Devs, Managers, Govts)
Technology	T6	Work on the action items recommended in the Standards and Best Practices UASG040 report		HTML, IDNA 2003/2008 will be taken up by Measurement WG.
Technology	T7	Academia outreach: engage with ACM and IEEE to update IT-related curricula to include IDNs and UA		Under planning/contracting: SOW has been completed. Due Diligence continues. (Same with M5 goal)
Technology	T8	Contribute to the Annual UA/EAI Day in Feb. 2023		Completed. Regular work. Can be carried forward to FY24. Members spoke at multiple events.

FY23 Action Plan status: ( **Completed** , **In progress** , **Under planning** , **Not started** )

Jim asked what would be productive for the next fiscal year (FY). Jim would like to know more about members of this working group and suggested sharing what are the experiences of universal acceptance’s particular weak points or problems to be solved in order to achieve bigger goals.

Harsha from Sri Lanka responded to that EAI problem solving is his goal for the upcoming year. We may need a stronger push against slow progress to support UA, and there is a need to identify and educate key players and stakeholders. Harsha shared that T6, T7 of FY23, and IDNA2008 are important for him.

Seda shared that Jim has been working on the whitepaper to recommend IDNA2008 and Harsha could add more on that.

Jim asked if Dovecot is an open/free software which allows contribution. Harsha agreed to check the licenses. Jim said if Dovecot allows contribution to changes, it would be a reasonable technology work on supporting EAI, and would also be a good accomplishment for the year. Harsha agreed.

Jim said UA Day events worldwide were great and it has increased a significant UA awareness, however, the support work has been exhausting because of the stretch across months instead of marking just one day event. Jim would like to know the plan for next year’s UA Day to calculate how much of the working group related work would be delayed because of the time set aside for UA Day.

Seda replied that this would depend on the new UA Day strategy the onboarded leadership team will have.

Seda explained that there were delays during the holiday break before the new year and the ICANN76 meetings and UA Day events caused the gap. The leadership would help on the UA Day support and not cause the same gap. Jim said some of the working group meetings were canceled for over 3 months. This much gap should not be expected for the next year, and wished to pass this note to the leadership team.

Jim shared that he had learned the word called ‘success disaster’ which means when a success is so big, it breaks many other things because everybody has to run after the success to support it. It is really good news but also caused a lot of problems and it needs a lot of changes. UA Day was as successful as that.

Seda continued presenting the action items for FY24.

**T1** - Brought forward.

**T2** – It was noted that the Dovecot is open source under MIT license. Arnt to check with the Dovecot team and Harsha to check with the Roundcube team for the contributions.

Jim has added information in the chat:

*“For Dovecot, I suggest the wording [Contribute improvements to Dovecot code to correct EAI support problems].”* Seda added it to the FY24 plan.

Jim has added information in the chat:

*“Dovecot is indeed open source. See code at <https://github.com/dovecot/core>. In <https://github.com/dovecot/core/blob/main/COPYING> it says, “Everything in src/lib/, src/auth/, and src/lib-sql/ is under MIT license*

*(see COPYING.MIT) unless otherwise mentioned at the beginning of the file. Everything else is LGPLv2.1 (see COPYING.LGPL) unless otherwise mentioned at the beginning of the file.”*

## Curriculum

Harsha asked about the status of curriculum, and Seda answered that it was at the due-diligence and planning phase.

Seda suggested that the action items (the ones under planning or in progress) from [UASG 037](#) could also be the future action items.

## **HTML5**

Harsha also asked about HTML5 studies. Seda answered that this topic was lightly touched based on the UA remediation report that was presented in the last meeting. Jim added that the current information is still not sufficient to identify how big the issue is and how to address it.

## **Email related technical issue**

Jim mentioned an issue regarding email addresses raised during ICANN76 . This working group could take up a technological investigation on the human readable string outside of the email address such as “(at)”. As we put languages or text in names, in different languages and different scripts, how email software would deal with those names. The different syntax parts of email addresses could break software when text is non-ASCII. This is a specific technical question and email-related.

*Jim suggested the following text for adding this item to the FY24 plan: “Test for bugs in email software when email addresses contain non-ASCII text in the human-readable parts of the address syntax.”*

WG	#	FY24 Tasks	Description	Notes
Technology	T1	Identify technology stacks for UA testing – Phase 2		
Technology	T2	Contribute improvements to Dovecot code to correct EAI support problems		Dovecot is open source. See code at < <a href="https://github.com/dovecot/core">https://github.com/dovecot/core</a> >. In < <a href="https://github.com/dovecot/core/blob/main/COPYING">https://github.com/dovecot/core/blob/main/COPYING</a> > it says, "Everything in src/lib/, src/auth/, and src/lib-sql/ is under MIT license (see COPYING.MIT) unless otherwise mentioned at the beginning of the file. Everything else is LGPLv2.1 (see COPYING.LGPL) unless otherwise mentioned at the beginning of the file.  (AI: Arnt: If we make the changes will the team accept it? ) (AI: Harsha will check Roundcube contributions)
Technology		Test for bugs in email software when email addresses contain non-ASCII text in the human-readable parts of the address syntax.		
Technology				What actions from UASG 040 can be taken up?
Technology		Identify the big picture UA challenges in 2022 through surveys of targeted stakeholders and provide recommendations to the UASG		

#### FY23 Action Plan draft

### AOB.1

Harsha asked the status of EAI and if it is also tech related.

Seda added Abdalmonem's comment on the EAI plan where he mentioned that DNS is the starting point of EAI and if this may relate to the Tech WG. We can check more to make sure the action item is related to the WG and discuss.

### AOB.2

Jim proposed the task to EAI WG to promote the self-certification guide which sounds like a communication task to be part of another working group.

Basically, EAI WG would like to get some help from the Comms WG. Jim asked if there is any proper channel to send the request or just speak up here. Seda answered that this could be discussed at the EAI WG meeting the next day.

### AOB.3

Samwel sent in the chat: 51:21

*Suggestion : Could we review UA standards*

Seda answered with the link:

UASG 040: <https://uasg.tech/download/uasg-040-ua-readiness-evaluation-of-standards-and-best-practices/>

Seda explained that this document identifies opportunities and obstacles, and where we can have some collaboration with some organizations in which context, and action items defined for some of the groups.

Jim said he has been involved with many of these working groups. Jim added that normally meetings like this can come up with a lot of ideas and select only a few of these to be worked on. For now, what we are facing is not having ideas instead and this is something the leadership should be aware of. We would like to make sure of the road ahead and this would be something we need to work on.

Seda advised that the survey results could help shape the planning better and suggested the WG consider it. Harsha added putting this on paper for the next meeting. Harsha said for the work of the past months, we should try to sit down and rethink the achievements. Jim said we definitely should be looking at the survey questions and that would be helpful but that alone would not solve all the planning of FY24.

Seda shared the document of the survey question to the WG mailing list, and the finalization would be by the next meeting as it is one of the agenda items as well. Jim noted to take a look at it before the next meeting.

Satish, the chair of WG, just joined the meeting near the end. Satish agreed with the current draft of FY24. Seda briefly summarized the meeting to inform Satish. Satish apologized for joining late. The WG made sure the time of the next meeting is confirmed and known for everyone.

The meeting adjourned as the time was up.

**Next Meeting:** 22 May 2023, Monday 15:00 UTC

No	Action Item	Owner
1	Check with Dovecot team to place our contribution	Arnt
2	Check with Roundcube team to place our contribution	Harsha

---

3	Take a look and contribute inputs at the shared document of the survey questions	Jim and WG
---	----------------------------------------------------------------------------------	------------

## Appendix

### Executive Summary of [UASG 037](#) - Screenshot 1

Language	Lib Name	Platform	Compliance on dataset (%)	Datasets	
Swift	MessageUI	IOS	97.8	HEs	
Swift	URLSession	IOS	26.8	HDns	
Swift	Alamofire	IOS	26.8	HDns	
Swift	IDNA-Cocoa	IOS	80.0	LU2A ,LA2U	
PHP	cURL*	Windows	92.9	HDns	
		Linux	83.9	HDns	
PHP	mail	Windows	83.7	HEs	
PHP	emailValidator	Windows & Linux	100	HEs	
PHP	Guzzle	Windows & Linux	92.9	HDns	
PHP	intl	Windows & Linux	95.4	LU2A ,LA2U	
PHP	PHPMailer	Windows & Linux	26.1	HEs (validation + sending)	
PHP	Symfony	Http-client	Windows & Linux	92.9	HDns
		Polyfill-intl-idn	Windows & Linux	93.8	LU2A ,LA2U
		Mailer	Windows & Linux	33.7	HEs
Kotlin	okHttp	Android	85.7	HDns	
Kotlin	HttpURLConnection	Android	85.7	HDns	
Kotlin	Retrofit	Android	85.7	HDns	
Kotlin	fuel	Android	85.7	HDns	
Kotlin	Volley	Android	85.7	HDns	
Kotlin	Apache HttpClient	Android	10.7	HDns	
Kotlin	Jakarta Mail	Android	70.7	HEs	
Kotlin	Email Intent	Android	91.3	HEs	



## Executive Summary of [UASG 037](#) - Screenshot 2

Language	Lib Name	Compliance on dataset (%)	Datasets
c	libcurl	84.3	HEs
c	libidn2	95.2	LA2U ,LU2A
csharp	mailkit	84.3	HEs
csharp	microsoft	83.9	LA2U ,LU2A
go	idna	79	LA2U ,LU2A
go	mail	100	HEs
go	smtp	19.6	HEs
java	commons-validator	85.5	HEs ,HDns
java	guava	77.8	HDns
java	icu	93.5	LA2U ,LU2A
java	jakartamail	82.4	HEs
java	jre	71	LA2U ,LU2A
js	idna-uts46	85.5	LA2U ,LU2A
js	nodemailer	84.3	HEs
js	validator	94.2	HEs ,HDns
python3	django_auth	48.1	HEs ,HId
python3	email_validator	86.3	HEs
python3	encodings_idna	67.7	LU2A ,LA2U
python3	idna	100	LA2U ,LU2A
python3	smtplib	84.3	HEs
rust	idna	87.1	LA2U ,LU2A
rust	lettre	7.8	HEs