

# UA EAI WG Meeting

01 November 2022

## Attendees

Mark Svancarek

Nitin Walia

Jim DeLaHunt - Canada

Harsha Wijayawardhana

Sushanta Sinha

Priyatosh Jana

Olivier Kouami

Sasa Kovacevic ITE

Mohammed Awal Alhassan

Dawit Uta

Yin May Oo

Seda Akbulut

## Agenda

1. Welcome and roll call
2. Continue on flowchart for the self-certification guide
  - a. Developing a roadmap for implementing the EAI [self-certification guide](#)
  - b. [Statement of Work \(SOW\)](#) for E1.1 and E1.2
    - i. E1.1 Building a self-certification tool to generate EAI readiness score.
    - ii. E1.2 Helping early EAI providers perform self-certification using the guide.
  - c. User acceptance tests
  - d. A quick guide for IT and procurement managers.
3. Other action items in the FY23 Action Plan to be included in the flowchart
  - a. E2 Make it easier to experiment with a self-hosted working EAI system
  - b. E3.1 and E3.2 that can be done in parallel

*E3.1 Identify reference customers to showcase adoption of globally inclusive email, and document the experience (customer studies)*

*E3.2 Identify reference mail service providers to showcase for adoption of globally inclusive email, and document the experience (provider stories)*

[Meeting recording](#) (Passcode: 2vr23#+Q^@)

## Meeting Notes

Mark summarized the system design diagram that was discussed in the last meeting. The diagram was created according to the UASG-FY23 action plan item E1.1 and E1.2 for the vendor to work with.

Jim and Abdalmonem did not work for the past week so there is nothing concrete to report.

Mark started to work on a spreadsheet to demonstrate his idea. There are separate tabs to get the score of each component, from the the level of support table, for example; MUA, MTA, IMAP, etc. The first tab of the spreadsheet would be where the actual report is calculated and generated. For calculation, the second tab, which is for the MUA Webmail, has pass or fail input field on each line item related to email services. The sheet of this tab has 'Item', 'Function', 'Level of Support', 'Description', 'Evaluation (pass/fail)', 'Item Assigned Score', 'MUA Assigned Score', 'MUA Assigned Level of Support', as columns. Each component row has an input field for pass or fail. Depending on how many tests were passed at each component, the level of support would be rated silver, gold or platinum. The Level of Support column for the email components is locked, as these cells should not be changed by providers. And all the results will be captured on the total scores tab to get an overall score. The overall tab will be done in the next few weeks.

Nitin asked what is the logic of Silver and the minimum score should be 1 even if it fails for Gold level test. If it passes, it should be minimum 2. Mark agreed and added the values in the column 'Item Assigned Score' to show the required minimum value to get the score.

Harsha discussed some logic behind calculating the test score to determine the Level of Support. Jim mentioned that the code in cells I2 and J2 are complicated. It will require walking a few candidates through the process before we understand what that formula should be. And column G and cell I3 are also be tricky. Mark did some editing to reflect the test resultscores better. Nitin also contributed some ideas explaining that if you fail on platinum, you are gold. Mark agreed on it, and fixed the formula in the spreadsheet (MUA18 can never get a score higher than 1). Mark added 2 coloumns, one for Platinum test, and one for P/F.

Jim appreciated the work Mark has been doing. And talked about the next steps to ask a couple of two early EAI adapters to go through this spreadsheet. He talked about generating a CSV file that would be generated by this data in this spreadsheet, with the code that runs the test and the code that does the evaluation. The CSV format file would be the starting point of this spreadsheet, the CSV file should have a consistent format with all the rows and columns which holds the test-result-entries of all the components, a long list would be better instead of separating each component on different tabs.

Mark noted these down on his document,

- Exception cases
- CSV file

Jim said some columns such as column G (Item Assigned Score) is important for the evaluation, but not necessarily be included in the spreadsheet. The columns A,B and E would be essential but not the rest. Mark agreed.

Nitin Walia discussed in chat if it is possible to have multiple CSV, all tabs will have individual CSV, since it may be possible that most of the providers will not have all to test. Mark sees benefit in this too. Jim agreed, and explained that after creating a long result list with CSV, it is easier to separate it into smaller files and distribute it to each tab. And also added there should be the test-result-codes meaning "Did not perform test" and "Performed test but do not know result", in addition to "Pass" and "Fail".

Sushanta appreciated this is a good framework to work with and added that we need to test it with some sample cases. He added that after calculating the average score and some applications may get 'Gold Level' achievement, it still can have some silver results and it may need to work on improving that part. Also, it would be nice to recognize some components which scored 'Platinum Level' as well.

Mark asked to organize to go through test cases according to the guide and also create test results for each level respectively. When the applications are tested, just because silver parts of the tests failed, running the platinum test should not be stopped. Mark asked what others thought about the component testing algorithms before making the CSV file.

Jim expressed in chat that each test module is expected to generate a CSV file with just the rows which that module measured. The testers will have a lot of small CSV files, which could be combined. Whether there are multiple CSV files or

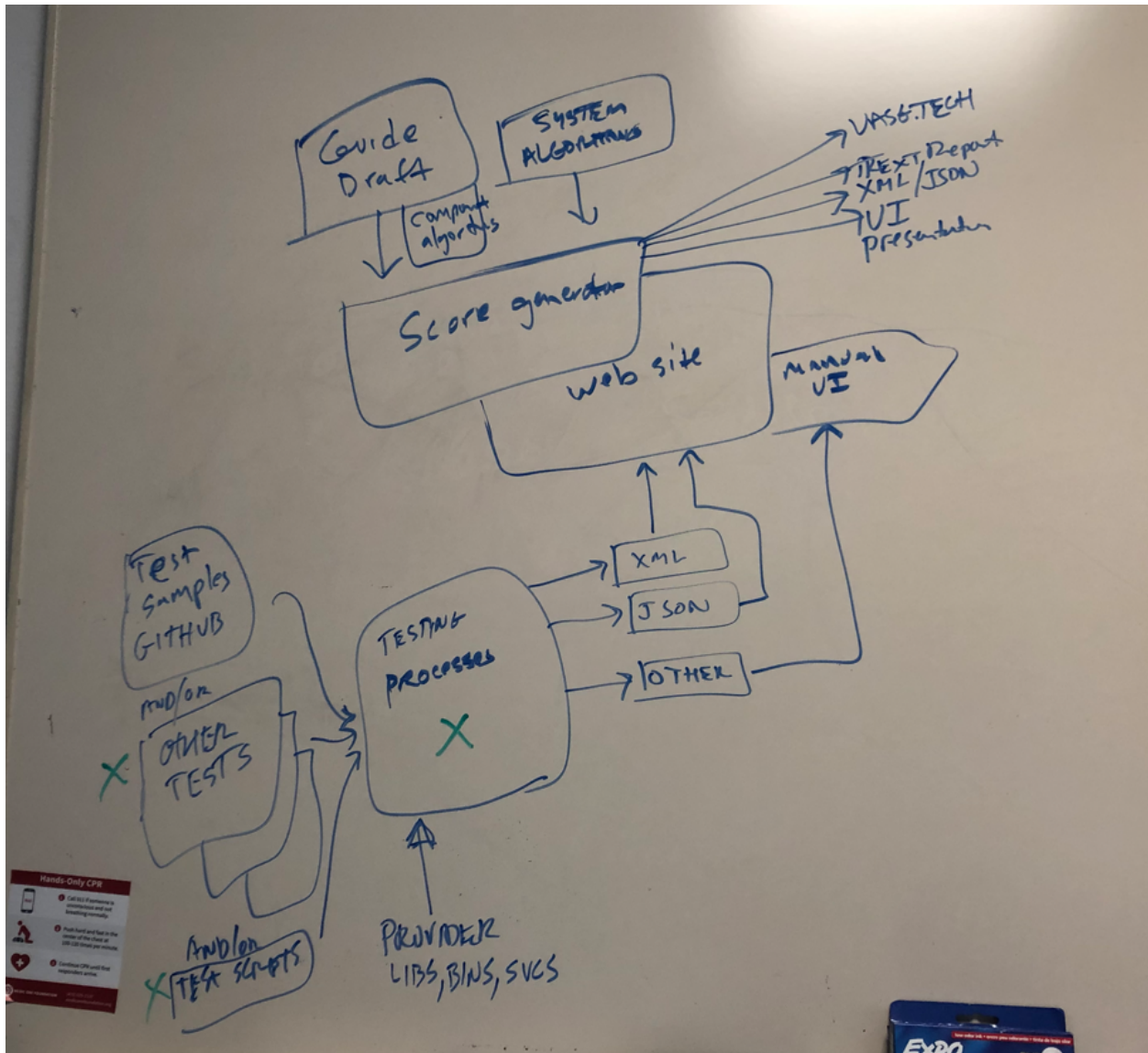
one big CSV file to hold the test results, it would be a simple text processing operation to break one file into many using item code. It would even be simpler to concatenate multiple CSV files into one file, and sort by item code.

For those who asked Mark to share this spreadsheet, Mark will share it with Seda and Seda will take it to the ICANN wiki page so everyone can access it. Mark asked if the google sheets can read CSV files easily. Seda confirmed that it does the same as Excel, so it would be alright.

Seda also shared that the [EAI Questions document](#) received some answers by the new team member, UA Technical Senior Manager, Arnt. Jim suggested it would be great to send an introduction and bio of Arnt to UA-Discuss.

Seda reminded that any updates on the Google document for the self-certification guide needs to be synced on this new spreadsheet as well.

Jim asked if the format of these test cases item numbers could be changed as p/g/s for platinum/gold/silver so that these could be sorted according to the test levels. Mark said it might be tedious to change the item numbers, but it looks like we need to do it very carefully. Jim suggested keeping the old item number list and also creating the new item numbers which will be helpful to refer back.



Referring to the system flow diagram, **Jim explained his action item was on the middle part**, the code of the library doing the test and interacting with the modules that are being tested and also the modules that are performing the test. The reusability of the test cases may be limited because the different organizations will structure their tests in different ways, so that it should not be matter to the evaluation part how the tests were run, by what kind of code or by which order of tests. Some tests may be run by humans and write down the result, some tests may be run by the code which is convenient for the testing organization. The github repository with test cases are there for people to evaluate their software. The github repository may not cover some tests but not all the test cases or programs works for some environments. He suggested talking about E3.2, the blue colored parts are added to ask those teams to do the initial testing. And revisit the last meeting's agenda items.

*E3.2 Identify reference mail service providers to showcase for adoption of globally inclusive email, and document the experience (provider stories)*

- *Mark-Microsoft India*
- *Nitin-XGen*
- *THNIC (.th)*
- *ISC (Coremail's email product)*
- *Theekshana (Sri Lanka two IDN ccTLDs-EAI testbed is in initial phase-Zimbra)*
- *Can Arnt suggest any other providers?*

Nitin said the working group will meet ISOC people. Seda said that there is a new Local Initiative being added to UASG, from Sri Lanka, which is managed by Harsha. Harsha said Sri Lanka LI are setting up email servers.

Jim said we would also need someone who knows Chinese language to work, we need to prepare specific email modules and a specific set of people to run tests.

Mark mentioned about the APTLD [meeting](#) on 27 Oct about EAI where he moderated the session, the panelists were Dmitri Belyavsky, Maria Kolesnikova, and Eduardo Alvarez from ICANN, Abdalmonem, and Dusan.

**Next Meeting:** Tuesday 15 Nov 2022 at 15:30 UTC

**Action items**

No.	Action Item	Owner
1	Send an introduction and bio of Arnt as UA Technical Senior Manager to UA-Discuss or EAI list.	Sarmad
2	Share the excel sheet with Seda	Mark
3	Share the excel sheet on wiki once Mark send it across	Seda
4	The design details of the middle and lower part of diagram	Jim
5	Get Microsoft India to work with local universities on the EAI self certification guide and scoring	Mark
6	To work with Xgen on EAI self certification guide and scoring	Nitin
7	Get email servers running and start working on EAI self certification guide	Harsha
8	Suggest any other providers	Arnt