

UA EAI WG Meeting

21 June 2022

Attendees

Mark Svancarek

Jim DeLaHunt

Abdalmonem Galila

Seda Akbulut

Agenda

- 1) Welcome and roll-call
- 2) Reviewing the [Self Certification Guide](#)
- 3) AOB

Recording: <https://icann.zoom.us/rec/share/O2amNadLkFAQm1qKldeaDSAdf-sqBDYeX9ip3un7zAdf8Rm53vPXHV2hkuHigBre.PxruxRa4vP4YCOMo>

Meeting Notes

The meeting started with reviewing the work items from the item MTA.13. Mark suggested John L.'s review would be helpful for the MDA section.

The comment in MDA.15 about splitting the table into two can cause the work to double.

Mark suggested looking at the open questions in the document, and asked whether we assign those questions from the original document, or create a new document only for questions. Jim shared that there are some specific questions we need to assign to specific people only. And some questions we have already on file need editorial work. Some questions are technical and can only be answered by reading the RFCs.

It was decided to create an additional document to list all the technical open questions we have on the Self Certification Guide. The team edited those questions for technical experts' review on this additional document:

Technical Questions about the EAI Self-Certification Guide, for Technical Reviewers:

<https://docs.google.com/document/d/1p1pdyAxTPpHwFK0fYQkOXhM8IZGXbZ42JmY0tIxDtjw/edit?usp=sharing>

Following questions have been entered to this list:

The following are questions for email tech experts related to requirements in the self-cert guide linked above. We request your guidance on these questions so that we can finalize the doc and send it out for broader review.

MDA

Throughout the MDA section (MDA.1 - MDA) When should we use “SMTP”, “mail relay”, or “mail submission”?

MUA.18

John Levine:

Everywhere in the MUA section that it says SMTP, it should say submission, per RFC 6409

Jim DeLaHunt:

It seems to me that RFC 6409 separates "mail submission" from "mail relay". "SMTP" now refers to "Mail relay", and there is a different term for "mail submission".

Task for document cleanup: read RFC 6409. Understand what term it suggests in place of "SMTP". Reword references to "SMTP" throughout this document as appropriate.

MUA.24, p. 8: This item uses the term “originator header”. Which RFC or other document defines the term "originator header"? Please give a reference to that document. We want to cite that document in our bibliography.

MUA.25, p. 8: This item uses the term “destination address header”. Which RFC or other document defines the term "destination address header"? Please give a reference to that document. We want to cite that document in our bibliography.

MUA.33, p 11: Regarding MIME message part type “message/global”. 1. How does the message/global feature of MIME relate to EAI? 2. Is this description

technically accurate for EAI and MIME? 3. Should this be Silver or Gold? see also <https://uasg.tech/download/uasg-012-eai-a-technical-overview-en/>

In MDA.13, MDA.14, IMAP.09 and IMAP.10, is the term APPEND used correctly?

Requirements MDA.8 through MDA.29 all apply to MDA components which support IMAP. Please compare these requirements to all IMAP.* requirements. Are they redundant? Or do they require separate functionality, and thus all should remain in the document?

MDA13:

- Q1. Does IMAP ENABLE UTF8=ACCEPT affect how MDA receives messages from another server, or does it affect purely how MDA communicates with MUA (client)?
- Q2. If MDA does not accept ENABLE UTF8=ACCEPT, can the MDA still display non-ASCII content of messages in mailbox, or will it mangle non-ASCII?
- NOTE: If answer to Q1 is Yes, or answer to Q2 is No, then IMAP ENABLE UTF8=ACCEPT is SILVER, required simply to exchange EAI messages with another party.

MDA18: If the software supports IMAP, then once EAI extensions have been enabled, SUBSCRIBE commands with Unicode mailbox name arguments should be accepted. For this test, a mailbox with a Unicode name should exist on the server. Does this have any legacy implications?

The above question about MDA.18 is to be assigned to J. Levine about his legacy support question.

Abdalmonem drew attention to the item MUA.18, and suggested it could be Silver. Assuming the person knows only Arabic, and therefore can only input the server in Unicode, not in English. MUA.18 simply asks “do you accept the target server with an IDN address?”. If it is accepted in U-label, it is Gold.

Jim said MUA.17 through MUA.19 are all connected. Mark mentioned that MUA 17 through 19 are not stated very clearly. Therefore, MUA.18 and MUA.19 were changed as follows:

Before:

MUA.18	SMTP server address can be specified by A-label	MUST have for GOLD or higher	If the software supports SMTP, it should allow a target server with an IDN address to be specified in A-label form. NOTE: at least 1.187 or 1.198 must be supported in order to achieve SILVER status.
MUA.19	SMTP server address can be specified by U-label	MUST have for GOLD or higher	If the software supports SMTP, it should allow a target server with an IDN address to be specified in U-label form. NOTE: at least 1.187 or 1.198 must be supported in order to achieve SILVER status.

After:

MUA.18	SMTP server address may be IDN	MUST have for SILVER or higher	If the software supports SMTP, it should allow a target server with an IDN address. Accepting an A-Label is sufficient for this requirement. For a U-Label name, see next requirement.
MUA.19	SMTP server address can be specified by U-label	MUST have for GOLD or higher	If the software supports SMTP, it should allow a target server with an IDN address to be specified in U-label form.

IMAP.9 and IMAP.10 look good to Abdalmonem, Jim and Mark. Therefore, the comment about reviewing them again was resolved.

There is a comment at MDA.13 and MDA.14 regarding IMAP.9 and IMAP.10: "So these MDA codes should be compared with IMAP."

As per Jim's suggestion on IMAP's wording following edits were made (in red)

Note that this entire section is related only to software which supports IMAP. For software which does not support IMAP, this section may be omitted.

Item	Function	Status/Level of Support	Description (if the software supports IMAP)
IMAP.1	Server address can be specified by A-label	MUST have for SILVER or higher - here	If the software supports IMAP -it must allow servers with IDN addresses to be specified in A-label form.
IMAP.2	Server address can be specified by U-label	MUST have for GOLD or higher	If the software supports IMAP, it should allow servers with IDN addresses to be specified in U-label form.
IMAP.3	Server address displayed as Unicode	MUST have for GOLD or higher	If the software supports IMAP, then when an IMAP server with an IDN address is specified by the user by U-label, that label should then be displayed to the user in U-label form.

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IMAP.4	Connection to IMAP server at IDN address is supported	MUST have for SILVER or higher	If the software supports IMAP, then when an IMAP server with an IDN address is used, the application should correctly resolve the IDN label and connect to the server. Testing may use successful login as a proxy determinant for correct domain resolution and connectivity.
IMAP.5	Username can be provided as Unicode	MUST have for SILVER or higher	If the software supports IMAP, it must be possible for the user to specify the mailbox name to be

mark svancarek
6:30 PM Yesterday

✓ ✕

Add: "Note that this entire section is related only to software which supports IMAP. For software which do..."

Comments above copied from original document

mark svancarek
6:32 PM Yesterday

✓

Document cleanup, please remove all the redundant "if the software supports IMAP" text

Comments above copied from original document

mark svancarek
6:31 PM Yesterday

✓ ✕

Add: "(if the software supports IMAP)"

Comments above copied from original document

mark svancarek
6:32 PM Yesterday

✓ ✕

Delete: "if the software supports IMAP"

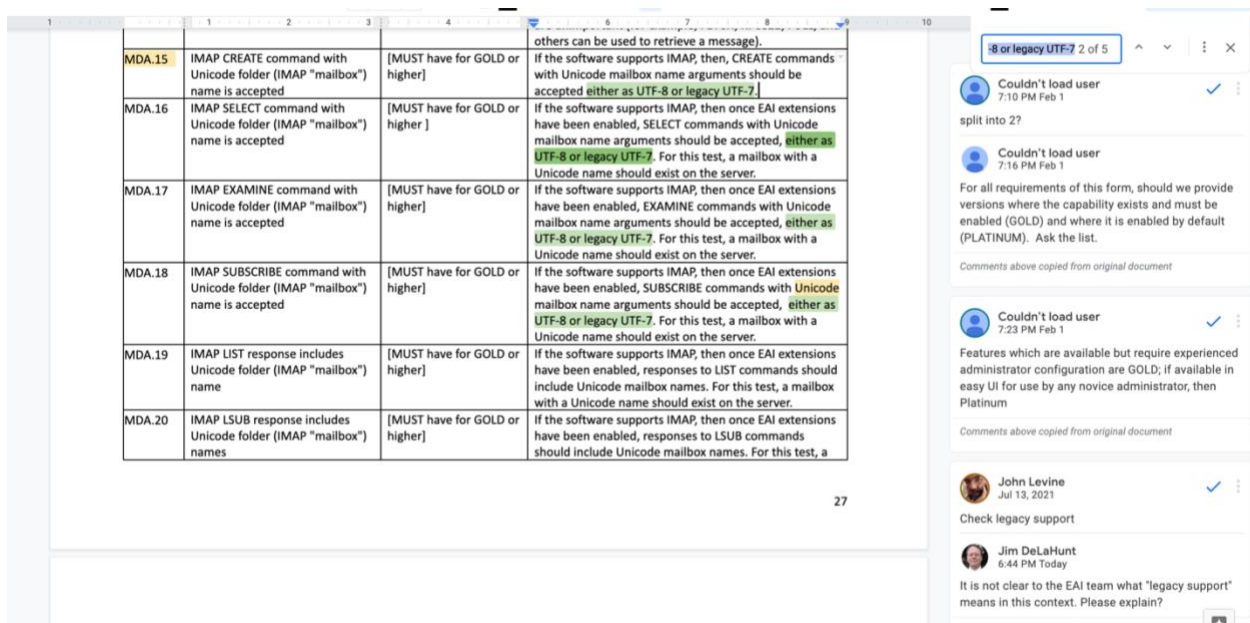
Comments above copied from original document

Jim suggested dividing MDA in two three sections:

- MDA in general
- MDA that supports IMAP
- MDA that supports POP

Jim added a question about this in the questions document.

Regarding the comment on MDA.15, Jim added “UTF-8 or legacy UTF-7” to MDA.15 and four more MDA after that. And then the comment is resolved.



No.	Item	Requirement	Notes
MDA.15	IMAP CREATE command with Unicode folder (IMAP "mailbox") name is accepted	[MUST have for GOLD or higher]	others can be used to retrieve a message). If the software supports IMAP, then, CREATE commands with Unicode mailbox name arguments should be accepted either as UTF-8 or legacy UTF-7.
MDA.16	IMAP SELECT command with Unicode folder (IMAP "mailbox") name is accepted	[MUST have for GOLD or higher]	If the software supports IMAP, then once EAI extensions have been enabled, SELECT commands with Unicode mailbox name arguments should be accepted, either as UTF-8 or legacy UTF-7. For this test, a mailbox with a Unicode name should exist on the server.
MDA.17	IMAP EXAMINE command with Unicode folder (IMAP "mailbox") name is accepted	[MUST have for GOLD or higher]	If the software supports IMAP, then once EAI extensions have been enabled, EXAMINE commands with Unicode mailbox name arguments should be accepted, either as UTF-8 or legacy UTF-7. For this test, a mailbox with a Unicode name should exist on the server.
MDA.18	IMAP SUBSCRIBE command with Unicode folder (IMAP "mailbox") name is accepted	[MUST have for GOLD or higher]	If the software supports IMAP, then once EAI extensions have been enabled, SUBSCRIBE commands with Unicode mailbox name arguments should be accepted, either as UTF-8 or legacy UTF-7. For this test, a mailbox with a Unicode name should exist on the server.
MDA.19	IMAP LIST response includes Unicode folder (IMAP "mailbox") name	[MUST have for GOLD or higher]	If the software supports IMAP, then once EAI extensions have been enabled, responses to LIST commands should include Unicode mailbox names. For this test, a mailbox with a Unicode name should exist on the server.
MDA.20	IMAP LSUB response includes Unicode folder (IMAP "mailbox") names	[MUST have for GOLD or higher]	If the software supports IMAP, then once EAI extensions have been enabled, responses to LSUB commands should include Unicode mailbox names. For this test, a

Chat window content:

- Couldn't load user 7:10 PM Feb 1
- split into 2?
- Couldn't load user 7:16 PM Feb 1
- For all requirements of this form, should we provide versions where the capability exists and must be enabled (GOLD) and where it is enabled by default (PLATINUM). Ask the list.
- Comments above copied from original document
- Couldn't load user 7:23 PM Feb 1
- Features which are available but require experienced administrator configuration are GOLD; if available in easy UI for use by any novice administrator, then PLATINUM
- Comments above copied from original document
- John Levine Jul 13, 2021
- Check legacy support
- Jim DeLaHunt 6:44 PM Today
- It is not clear to the EAI team what "legacy support" means in this context. Please explain?

For MDA.32, Jim read the comment “replace platinum with Must have for Gold or Higher. But the current text seems to say Must have for Silver or higher. So, Jim asked whether MDA.32 should be Silver, Gold or Platinum. Mark suggested it as Silver. Jim resolved the comment.

Next meeting: Tuesday 28 June 2022 UTC 1430 -1530

Action items

No.	Action Item	Owner
1		
2		