UA EAI WG Meeting
06 July 2021

Attendees
Abdalmonem Galila
Mark Datysgeld
Mark Svancarek
Nitin Walia
Sarmad Hussain
Vadim Mikhaylov
Samantha Mancia
Prince Andrew L. Zutah
Jim DeLaHunt

Agenda

1) Welcome and roll call
2) Continue work on self-certification guide [docs.google.com]
3) AOB

Meeting Notes

<u>Work continued on section 2 of the EAI Self-Certification Guide: EAI-Mail Submission Agent (MSA)</u>

- The group revisited the item "EAI Reverse path values":
  - A comment was made that "transmission of both representations is gold" should be changed as it doesn't make sense, there is no incentive to do both.
  - A proposal was made to remove that portion of the text and make the whole thing **SILVER**.
  - Consensus was reached and text was updated accordingly.
  - A note was added stating: "We don't think that there is any benefit to being able to transmit both formats."
- The group continued work on the item "Unicode unstructured header values are transmitted to SMTPUTF8 server":
  - It was determined that this was part of the same concept and there was uncertainty as to whether transmission of both should be gold.
  - "**SILVER/GOLD**"was added to the status column.
- The group continued work on the item "SMTPUTF8 parameter is not provided for non-EAI messages":
  - There was a question as to the importance of this statement and the meaning of the words in the clause, as it was technical language that the group was having difficulty in understanding.

- It was noted that if sending SMTPUTF8, the server will interpret as Unicode, whereas if sending as ASCII only, there's a chance it will interpret incorrectly as Unicode and get rejected.
  - This could be understood as a robustness issue: If you don't need the complexity, you should not include the complexity. It's more conservative to send ASCII when you only need ASCII.
  - It was determined that achieving robustness in this fashion is gold, and a decision was made to categorize this as **GOLD**.
- The group continued work on the item "EAI messages sent to non-SMTPUTF8 server are rejected or transformed":
  - It was noted that if you have an EAI message and you want to send it to someone who doesn't understand SMTPUTF8, it should reject it. Then there's the transformation which happens elsewhere, which seems like 2 requirements.
  - The group agreed and made a decision to break this into two requirements:
    1. EAI messages sent to non-SMTPUTF8 server are rejected (**SILVER**)
    2. EAI messages sent to non-SMTPUTF8 server are transformed (**GOLD**)
  - It was suggested to make a clarification that specifies the MSA under test must reject or transform.
  - A note was added to talk to someone who understands technical requirements more and revisit.
- The group continued work on the item "EAI reverse path values are transmitted to non-SMTPUTF8 server as ASCII":
  - It was noted that the test case must exclude test cases with a non-ASCII local part. If you are going to send it, it has to be transformed. And if you can't transform it, don't send it.
  - It was explained that the reverse path of the email command refers to the location of the email address used when a message is rejected and you receive an email saying it is rejected. Since it doesn't understand EAI addresses it will use the ASCII address. Not just for rejection, but also delivery receipt. More information on this subject can be found [here](#).
  - A decision was made to categorize this as **SILVER**.
- The group continued work on the item "EAI forward path values are transmitted to non-SMTPUTF8 server as ASCII":
  - It was noted that this refers to the opposite direction as the above. A decision was made to categorize this as **SILVER**.
- The group continued work on the item "EAI Originator header values are transmitted to non-SMTPUTF8 server as ASCII"
  - A decision was made to categorize this as **SILVER**.
- The group continued work on the item "EAI destination address header values are transmitted to non-SMTPUTF8 server as ASCII"
  - A decision was made to categorize this as **SILVER**.
- The group continued work on the item "Unicode unstructured header values are transmitted to non-SMTPUTF8 server as ASCII"
  - A decision was made to categorize this as **SILVER**.

- The group continued work on the item "Message ID of EAI message transmitted to non-SMTPUTF8 server as ASCII Only"
  - A decision was made to categorize this as **SILVER**.

Work continued on section 3 of the EAI Self-Certification Guide: Mail Transfer Agent (MTA):

- The group continued work on the item "SMTPUTF8 capability is advertised"
  - A decision was made to categorize this as **SILVER**.
- The group continued work on the item "8BITMIME capability is advertised"
  - A decision was made to categorize this as **SILVER**.
- The group continued work on the item "EHLO command argument is transmitted as ASCII"
  - A decision was made to categorize this as **SILVER**.
- The group continued work on the item "SMTPUTF8 parameter is provided for EAI messages"
  - A decision was made to categorize this as **SILVER**.
- The group continued work on the item "Trace information includes domain in U-label form"
  - A decision was made to categorize this as **SILVER**.
- The group continued work on the item "Trace information includes domain in U-label form"
  - A decision was made to categorize this as **SILVER** for now.
  - A note was also made to connect with John Levine to clarify this requirement and follow up in next call.
- The group continued work on the item "EAI reverse path values are transmitted to SMTPUTF8 server"
  - A question was added to this section: "is this duplicative to the requirement of MTA; are they distinct or clumped together? Aren't they always bundled together?"
  - A question was added to the header of section 3 as well: "can we combine MTA and MSA sections? They are always bundled together"
  - A decision was made to combine the two tables, and it was noted that the rest in section 3 would be categorized as **SILVER** accordingly.

Work continued on section 4 of the EAI Self-Certification Guide: Mail Delivery Agent (MDA):

- The group continued work on the item "Trace information includes domain in U-label form"
  - A question was posed regarding the word "should" in the description. A proposal was made to change to "shall" or "must".
  - A note was added: "consider replacing should with must or shall for clarity".
    - The group will revisit this.
  - Seems optional or desirable: **GOLD**.
- The group continued work on the item "Trace information inidcates SMTPUTF8 protocol"
  - It was noted that this seems like it should should be a "must" again.
    - A note was added to reflect this.
    - The group will pick up on this item in the next meeting.

Next meeting: Tuesday 13 July 2021 at 15:30 UTC

Action items

No.	Action Item	Owner
1	Follow up with John Levine on section 3 "Trace information includes domain in U-label form" and section 2 "EAI messages sent to non-SMTPUTF8 server are rejected or transformed" and revisit in the next call	Sarmad/Mark Svancarek
2	Read the technical document: https://uasg.tech/wp-content/uploads/documents/UASG012-en-digital.pdf	All