see current wording and comments :

Current wording

Accessible Authentication (A):

Required steps of an authentication process which rely upon recalling or transcribing information have one of the following:

- alternative required steps, which do not rely upon recalling or transcribing information
- an authentication-credentials reset process, which does not rely upon recalling or transcribing information

Except for when any of the following are true:

- Authentication process involves basic personal identification information to which the user has easy access, such as name, address, email address and identification or social security number.
- This is not achievable due to legal requirements.

Option 2

Authentication

Authentication processes do not rely upon the user to do any of the following:

- recall or transcribe information;

- perform calculations;

- reliably re-produce gestures.

Exceptions:

- Authentication process can rely on the user or user-agent entering personal identification information **for** name, username, site-specific ID number, password, and email address if the web content does not block automatic entry.

- There are governing statutory requirements that require the use of memorisation, calculations, gestures or transcription in authentication processes.

Definition

transcribe -

(OLD

authentication processes do not rely upon the user's ability to do any of the following:

- memorize information;
- perform calculations, such as including correctly identifying and entering numbers and letters from a character string;
- reliably produce gestures;
- recognize characters presented on screen, and then enter them into an input field;
- Speak, [see or hear;]
- transcribe information.

Exceptions:

- authentication process only relies on basic personal identification information to which the user has easy access, such as name, address, email address and national identification number.
- This is not achievable due to governing statutory requirements.
- The first time a person uses a specific service such as a sign up, transcribing a one time code may be required

comments - we lost the "speech" criteria, but at this point I do not remember why. I do not think speech signatures are included in 1.1.1 or captions etc as it is not a perceivability issue.

Considerations

I'm creating a section to try to capture the catalogue of considerations.

Functional/practical authentication considerations

Reset

A mechanism is available to reset authentication …

Retrieve

A mechanism is available to retrieve authentication credentials…

Security Questions

Preserving password credentials

Mike Gower's comment: I think we could undertake to include this as a list in an OR statement. For instance, the user should be able to preserve their password credentials OR have the ability to copy their credentials from another source and paste them into an authentication input field.

Multi-factor

Third party/OAuth

COGA consideration

Manipulating, parsing or performing calculations on alphanumeric strings

From Mike Pluke: A user authentication method is available that does not rely on a user's ability to correctly identify and enter numbered characters from a memorized character string.
NOTE: Some user authentication methods ask a user to, for example, enter, the third, sixth and seventh characters from a word that they have previously chosen.
Mike Gower's comments: I think this addresses a not-uncommon practice which seeks to morph authentication and CAPTCHA into one process. It is not needed for authentication, and I think we can get buy-in to include

Memorize or recalling information

A mechanism is available to retrieve or reset authentication that does not require the user's ability to memorize

Mike Gower's comments: The problem with restricting use of password, etc., is that there are plenty of tools available to users, as well as features in the user agent, which eliminate the user's need to do memorization and recall. However, only one of these is in the author's control, and then only applies if the user uses only one browser on one device consistently. I think we

may consider this being an "OR" requirement, but with the proliferation of password safes on every mobile and desktop platform, including some that synchronize across devices, I think it is difficult to argue that password use requires memorization or recall for authentication.

Transcribing information

Mike Gower's comment: It's hard to impose a ban on transcription without some data to back it up.

Copying information

Mike Gower's comment: I believe some folks were using "copy" synonymously with "transcribe" and this is why this was mentioned. Is there a specific reason to disallow copying? I would think we actually want almost the opposite as a requirement -- that pasting of passwords into a field must be allowed. That guarantees that many user workarounds can take place.