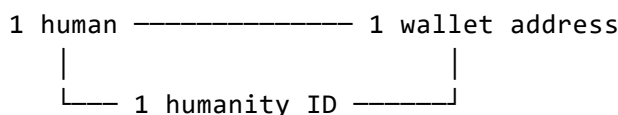


# Proof of Humanity Registry Policy

The **Proof of Humanity** curated registry of humans is a system combining social verification with video submission to create a *Sybil-resistant* list of humans.

*Proof of Humanity* maps each registration to an unique, soulbound

(<https://vitalik.ca/general/2022/01/26/soulbound.html>), ID - *Humanity ID* - across multiple chains. It follows that at any particular moment in the *unified registry* (of all chains *Proof of Humanity* is deployed on) there must be an one-to-one relationship between each of the (real-life) human, the wallet address and the *Humanity ID*. The wallet address can change, but the human to *Humanity ID* correspondance must remain the same - it is the human that owns the *Humanity ID*, not the private key. ***This policy serves the purpose of ensuring this.***



## Acceptance Criteria

For a human to register into the *Proof of Humanity* registry, the following criteria must be satisfied:

- **The submitter is not already registered on Proof of Humanity.**  
*The submitter cannot register a second time while considered registered, except when he reapplies.*
- **The submitter is not already registered on Proof of Humanity on any of the supported blockchains.**  
*The submitter must at all times have only one home chain if registered. While the details related to the registration status of the human can be synchronized across chains, each registered human must have an unique home chain from which she can vouch for other submission or have someone request her removal.*
- **The submitter is an existing, human being.**  
*The submitter must be a real human and not a computer-generated person or avatar.*
- **The submitter is an alive human being.**  
*The submitter can not be registered if deceased.*
- **The submitter applies for the correct Humanity ID.**  
*The submitter must register using the default Humanity ID if registering for the first time,*

otherwise using the *Humanity ID* corresponding to the previous successful registration.

- **The submitter must provide the elements required for the submission**

*The submitter must provide material necessary, following the rules detailed later in this document in order to register. The material must be provided in the registration transaction.*

## Humanity ID

A new submitter registering in *Proof of Humanity* will have as *Humanity ID* the exact cast of the wallet address used for registration.

Since the *Proof of Humanity* protocol started without the specific feature around a soulbound *Humanity ID*, humans registered on the first version of the protocol will be considered registered in the second with the corresponding *Humanity ID* being the one-to-one mapped to the wallet registered at the moment of the launch of the protocol.

Once a human has had a *Humanity ID* assigned at some point in the protocol, whenever necessary to reregister, she will have to claim the same *Humanity ID* - that *Humanity ID* must always correspond to the human and the human must always correspond to that unique ID in the protocol.

This applies across all chains *Proof of Humanity* is deployed on - across the *unified registry*.

## Home chain

For the purpose of registration, the home chain of a *Humanity ID* is considered the chain it is registered on in the main registry contract.

TODO: This chain is unique per *ID* and if there are more home chains, only the one with most recent accepted submission is considered valid?

Valid profiles in the process of being transferred are considered to be on the receiving chain, which will thus be considered as the home chain.

## Required Elements for Submission with Rules

Any submitter registering to the list must provide evidence that he is compliant with the acceptance criteria. The required evidence is to be decided through governance and can be updated to take into account technological evolutions and the evolution of attack vectors.

### 1. Submitter name - *Required*

- Name under which the submitter wants to be known, consisting of any UTF8 characters.
- Can be an official name (Federico Ast), a use name (Satoshi Nakamoto), a religious/monarch name (Benedict XVI), a name with the original non-latin characters, a name with anglicised characters (Hayao Miyazaki), a political name (Nicolas Sarkozy) etc.

### 2. Front-facing photo of the submitter - *Required*

- The photo must be under *3 megabytes* and have a minimum resolution of *256px* by *256px*.
- The accepted formats for the photo are *jpg, jpeg, png* and *webp*.
- The photo must include the face of the submitter *facing* the camera.
- All facial features must be visible.
- The photo must be in color and not contain any artificial modification to the facial features.
- Face should not be covered under large piercings, tattoos or masks hindering the visibility of facial features.
- Neutral, soft and natural make-up without flashy lipstick, eyeliner, eyeshadow is acceptable.
- The photo must be in the right orientation for the face to be recognized. Mirroring (e.g. selfies) is allowed but other kind of image rotation is not.
- Headcover not covering the internal region of the face is acceptable (a hijab is acceptable but niqab is not).

### 3. Video of the submitter - *Required*

- The video must be at most *2 minutes* long and have a minimum resolution of *352px* by *352px*.
- The accepted formats for the video are *webm, mp4, avi* and *mov*.
- The face of the submitter is bound to same rules as those previously stated regarding the photo.
- The user must display his Ethereum address used for the submission on a physical surface (paper, screen etc.). The sign has to display in a readable manner the full Ethereum address of the submitter (not ENS or ellipsis). The submitter must show the sign in the right orientation to be read on the video. A single one of the following errors occurring once will be tolerated in the displayed address:
  - *omitted character*: a character is omitted from the address: "abcd" → "abd" .
  - *mistaken character*: a different character has been written in place of the one expected in that position: "abcd" → "ab9d" .
  - *swapped adjacent characters*: two characters adjacent to each other have been swapped: "abcd" → "acbd", but not "adcb" .
  - *additional character*: an additional character has been inserted anywhere in the address: "abcd" → "abcθd" .
- Lighting conditions and recording device quality should be sufficient to discern facial features and characters composing the Ethereum address displayed.
- The submitter must say the phrase *"I certify that I am a real human and that I am not already registered in this registry"* .
- Submitters should speak in their normal voice and should not attempt mimicking someone else's voice.
- Speaking before or after the required sentence is acceptable.
- Poor English accents, mispronunciations, and the switch or oversight of words in that sentence are not grounds for rejections.
- The video should have audio with quality high enough such that the speaker can be understood clearly. Small background noises are acceptable as long as they don't prevent a

clear understanding of the speaker.

## Files

The elements required for registration must be stored on a decentralized storage (IPFS).

None of the provided information should be purposely offensive or hateful (ex: a painted Hindu swastika is acceptable for picture, even if it can be offensive to some people unfamiliar with its meaning, but "I hate Jews" as a name/bio is not).

## Challenge Types

In order to curate this registry, any user can challenge submissions requests in "pending" state that they deem non-compliant with the acceptance criteria. A user challenging a pending submission request needs to specify a challenge type. A challenge can be rejected if the challenge type specified is incorrect. The challenges types are the following:

1. **Sybil attack** - *In case of duplicate submission, the challenger has to provide a reference to the identity already registered or to a duplicate submission at the moment of challenging. If someone tries to register multiple times simultaneously, all submissions are to be rejected. This takes into account the unified registry of all chains Proof of Humanity is deployed on. State of cross-chain interactions should also be taken into consideration. In case the person present in the evidence media is not the one controlling the wallet used for registration, the challenger must provide appropriate evidence. In case of e.g. deepfake photo/video, the challenger must demonstrate that the submitter is not an existing, alive, human being.*
2. **Identity theft** - *Applies specifically when the submitter applies for a Humanity ID that corresponds to another human.*
3. **Incorrect submission** - *This kind of challenge applies when the previously stated challenge types do not apply and the submission rules stated in the document do not apply.*
4. **Deceased** - *The challenger can provide evidence that the submitter is dead such as a death certificate, an obituary, or public records. The challenged submitter can provide a video of himself reading a recent block hash. Submitters not able to give recent proof of life are to be considered deceased.*

## Renewal

The registration status and the correspondence of the *Humanity ID* to the human's wallet address are valid for a specific amount of time, after which they are considered *expired*. Before expiration, there is another specific period (*renewal period*) during which the registered human has the chance to reapply to renew his state in the registry.

This reapplication is identical with a normal registration: the same rules apply to this submission request (but with another set of evidence - photo and video not used before), with the exception that the phrase spoken by the submitter will be *"I certify I am a real human and I reapply to keep being part in this registry"*.

During the *renewal period*, the human must reapply on the *home chain*, otherwise her request must be challenged for "Sybil attack". After *expiration*, the human can register on any chain.

## Removal

A request to remove a submission considered to be *registered* from the registry can be made at any time by anyone submitting a deposit.

Someone can request the removal of a person from the registry if the above-cited acceptance criteria are not fulfilled by the request that won the last claim for the *Humanity ID*.

A human can also request his own removal from the registry, either because he wants to not be part of the registry anymore or to revoke and claim the *Humanity ID* with another wallet address. In case the submitter requests removal using the same wallet as the one registered for the corresponding registration state, evidence with description "I am the submitter as proven by my address and I want to remove this submission" is enough. If requesting removal from another address, the person must submit a video as evidence saying the sentence "I want to remove my own submission from the Proof of Humanity registry".