



## Certificate of Blockchain Proof

Terrapass Certificate Q1 2022.pdf

Hedera Hashgraph (email user: [docusign@hedera.com](mailto:docusign@hedera.com))

This certificate constitutes proof that a document has been anchored to a Blockchain using the Hedera Hashgraph Protocol on [Wed, 14 Sep 2022 23:34:41 GMT](#) thereby proving that the document existed in its current form on the date at which the Blockchain entry was created.

You can use this proof to attest that:

- (a) the document has not been altered in any way.
- (b) the document existed in its current form on the specified date.



An online version of this proof can be found at:

<https://app.provendb.com/cv/b193e-6320eefe169fdc2c9acef01a-ufqyx3mjgvp3baul14ck7jsy-466554/cv2>



## Details of the document being proved

The document was uploaded by Hedera Hashgraph (email user: [docusign@hedera.com](mailto:docusign@hedera.com)) at Tue, 13 Sep 2022 20:58:38 GMT

The document name when hashed was "Terrapass Certificate Q1 2022.pdf"

You can view a copy of this document [here](#)  
(permissions may be required to view the document)

The cryptographic hash of the document is:  
`ae20d9da40ef94ec11c70f4f656d87d366f23235f5223cc9e652bea74392614e`

See Schedule 1 for details of the hashing algorithm employed.

## Blockchain proof details

The document hash was included within the Hedera Hashgraph proof at <https://app.dragonglass.me/hedera/search?q=e773d4f486cd3ee4aac72cb2e212fcf09a69e3b21c86d161922e1c9d7774e16fd48abc2bde7f63c050443732772eea57>

See Schedule 2 for a detailed cryptographic proof.

The Hedera Hashgraph proof was anchored to the Blockchain in transaction [e773d4f486cd3ee4aac72cb2e212fcf09a69e3b21c86d161922e1c9d7774e16fd48abc2bde7f63c050443732772eea57](https://app.dragonglass.me/hedera/search?q=e773d4f486cd3ee4aac72cb2e212fcf09a69e3b21c86d161922e1c9d7774e16fd48abc2bde7f63c050443732772eea57) at: Wed, 14 Sep 2022 23:34:41 GMT

## Summary

The document *Terrapass Certificate Q1 2022.pdf* with hash value `ae20d9da40ef94ec11c70f4f656d87d366f23235f5223cc9e652bea74392614e` was anchored to the Hedera Hashgraph Blockchain by Hedera Hashgraph (email user: [docusign@hedera.com](mailto:docusign@hedera.com)) at : Wed, 14 Sep 2022 23:34:41 GMT. Providing that the document continues to hash to that value, you can be certain that the document existed in its current form on or before that date.

## Schedule 1: Document hashing

The document hash of `ae20d9da40ef94ec11c70f4f656d87d366f23235f5223cc9e652bea74392614e` was obtained by performing a [SHA-2 256 bit](#) hash on the document [here](#) (permission may be required to view this document).

The hash was calculated on the document and its metadata as stored in the ProvenDB system.

You can download a copy of the document and its metadata (permissions required) [here](#). You can independently validate the document proof by using the open source validation tool at <https://app.provencdb.com/homepage/downloads>.

## Schedule 2: Hedera Hashgraph proof

The Hedera Hashgraph proof uses a Trie structure for linking data to the public Blockchain. It aggregates multiple hash values into a single hash value which is then placed on the Blockchain. The following Hedera Hashgraph proof proves that the hash value of

`ae20d9da40ef94ec11c70f4f656d87d366f23235f5223cc9e652bea74392614e`

is associated with the root hash placed on the Hedera Hashgraph Blockchain in transaction

<https://app.dragonglass.me/hedera/search?q=e773d4f486cd3ee4aac72cb2e212fcf09a69e3b21c86d161922e1c9d7774e16fd48abc2bde7f63c050443732772eea57>

This proof can be downloaded (permissions required) [here](#)

## Below is a binary representation of the Blockchain proof

```
eJy0LL20XMcRhf0gDhw4XW51VXV1N6MF/AqOnKzr1zvAcmcxM6TNcOnEKfkGNmQNgxFgkK9xwB6GGG4FAFqoESAwntu13fPuadR/3p/o/
ub45UmQqxQhazF6a35gOKSLjFhKEghlFXqiOS+Ujpa6mBaK13z/yfM9Sau77aRxx+GApJ3v/C5+kVruS6UsC5QURPD3JO/
+zSyf27PNodDPk5e6+FbBMLWBeN/4z0lPgpt798wft29yvxp8lfwn
+0nd75Te7fvHq3vd//8Lvfp7y9PV6ZkLYuWbYQUiKXoViQagtyJ0h0bhk1ytckH5Ac5tOICCX94d/b+w/7G73ALg9vd8erFi7Q5qiOQb0JjAbFZoYaRiRRID
5gJiECeL0aAiVlyJNU59fA2+MV64phljV8kM0W0Dh0SjZhB9FRc5n33qM6Vw9Im5b03IYwUJ05pKHcQKdMx9UWewNrsy/
EQda7uECiNBKVoKAhsgwwoyLaRJAzh8ikk8eiQeQMo/
VpjgxtDEcZPAw7904QndeaQcw8xXLJaCsCz4AJE70WF7KthNYRjWxOwgmDSTnaGlwOwBPcUWewWFM4uudagcRYZaULT0orRWcEkq
+kwnZLqfWDFBVMgLLJ2DuyCJ/
SU1Y2OwMGLC1Wj9Zsnlpsp4ZX9QYdM5hICg72bmsJKXeauHgkr0fyWeQIPFRWzYGNIs5e03AixfJyculZeUpXMI
+rUaOW7CZ9rOhrGJ0BQsJfEYqYAK0QDBSH4EwyWa07FMDCoHV66NEs0pzRjG5LsTMgVc6J0bjPgs5jDQpgN
+Yhq7VILC5rpl2btZloWRGSC5aQz8D2hiuxt3dyQhma9gZYVb32cniZK
+zdCmbNDRjZZ8I01eqma2zUgmqzVVTtIS0lxijlQUTqB6VjSU2T06JApWqdLuU5rkFI+7vDUsg/
TLiLiOT0EnAaouinNtobmq0A23Ai6WEWCSkFvS9rqf8B/30rlrff3lddx9avH7fRq0f1+eTfJOR071+ppu7uzxcn95vd58PnlBw64cPj9r+9T/
fH17e5vX2/9+PraJ419zDAounuJBmazqA90wsWF5wVJZSYbNp0SThCz+YoxBmeTCp5qjhY56lNlwEyDcAzM1D7eP99t9q+Pb240h/v908vLx08/
ud9tt6V2m08228sXudvUy8uvs1z+1s4+Xvn27pD/OHz/k7e/0yaebHd/u/Qb3dzdbzd3h8sX9Om3/e9PX6QfAwAA//8dLEJo
```

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### Schedule 3: List of printable links in the document

Document being proven:

<https://app.provencdb.com/cv/b193e-6320eefe169fdc2c9acef01a-ufqyx3mjgvp3baul14ck7jsy-466554/cv2>

Hedera Hashgraph

<https://www.hedera.com/>

Blockchain transaction:

[e773d4f486cd3ee4aac72cb2e212fcf09a69e3b21c86d161922e1c9d7774e16fd48abc2bde7f63c050443732772eea57](https://www.hedera.com/blockchain/transaction/e773d4f486cd3ee4aac72cb2e212fcf09a69e3b21c86d161922e1c9d7774e16fd48abc2bde7f63c050443732772eea57)

Open source validation tool:

<https://app.provencdb.com/homepage/downloads>