



## Certificate of Blockchain Proof

voucher-AKA7VTB8-tpus-829837.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 [Tue, 18 Jul 2023 07:06:49 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/19fa8-64ad40826d491e73bff66546-ufqyx3mjgvp3baul14ck7jsy-569635/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, 11 Jul 2023 11:44:02 GMT

The document name when hashed was "voucher-AKA7VTB8-tpus-829837.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:  
2a2d9fc7e4c499f1297ded1f493cd1837efdf0cb03f6c211d43f92af85969f83

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://hashscan.io/mainnet/transaction/0.0.2013012-1689663997-032123378>

See Schedule 2 for a detailed cryptographic proof.

The Hedera Hashgraph proof was anchored to the Blockchain in transaction [0.0.2013012@1689663997.032123378](https://hashscan.io/mainnet/transaction/0.0.2013012@1689663997.032123378) at: Tue, 18 Jul 2023 07:06:49 GMT

## Summary

The document *voucher-AKA7VTB8-tpus-829837.pdf* with hash value `2a2d9fc7e4c499f1297ded1f493cd1837efdf0cb03f6c211d43f92af85969f83` was anchored to the Hedera Hashgraph Blockchain by Hedera Hashgraph (email user: [docusign@hedera.com](mailto:docusign@hedera.com)) at : Tue, 18 Jul 2023 07:06:49 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 `2a2d9fc7e4c499f1297ded1f493cd1837efdf0cb03f6c211d43f92af85969f83` 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

`2a2d9fc7e4c499f1297ded1f493cd1837efdf0cb03f6c211d43f92af85969f83`

is associated with the root hash placed on the Hedera Hashgraph Blockchain in transaction <https://hashscan.io/mainnet/transaction/0.0.2013012-1689663997-032123378>

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

## Below is a binary representation of the Blockchain proof

```
eJyM1b20XEsRB3AehMAB6ezUZ1fVRish8QREJKPu6mpmpPXOamfMR2hISM0bgl1sECJChLzHSjwMGtvy9fXoSlcn69Pnd+qoTv/rT//Z99N
+d3o1Xh7055q7h+OsXT//m4B4A7ZB/yXYLbRbiV/98+Pew9zl8amefzY7EKfmJj10g1ix6UxrQ5160RyZJd/ylyd/iP8wnvpD7uv05z/87b6Puv/
X4xy7eczdpvtvj4+n//3kp6//cv981yMiFGYvIzA0WuvY2AhYUGUazFFiRotIO0o2CUu1ETIoDebXfz0+vj/t
+4a0fQSHB6cQnVAFcfBrGtKZHGo8mrUhrNTaU0yxl7SRkxRR8QFVyBzdvcJhJZDxN1GLAPlkGEYyqTQelkOGuSO04VNOw2rUi
+6Als6MDdG0Kg1hqKaALlzJmhYiDIPaGOucLYuwWVT2iwh9KorkIS7iwUbcwoYqo8kATRNaIY2SEWVYapE
+GQR8TYqmmHMeV1hgV0tyEUyogCVqFVzX+RgwI0mhsIKAHHlpO612iLXVhHGdgUqo9ZiC1Z07DpxMGVmwqxaCyQ7m2XLPmusXuEyAjuUL
+WidgVKDp5dKAYLVmL3Zp45vPWJzZDYKjshsRrFGIWdDWDNSPfk60+2hAWxwqOtSiQBbIPfjSSKvRw
+VLCtgcKBSW5pMVDUOyXzN015er6rGMTKC7JbiVFbsyO3KUra8MK1YVhDWych5Fweks5VkeCtXYE9ek000Yzm5flUmoNZpL0qc5/
Ba5H2roLdrbkbQ2i2WK1IXoHSx4pS87m6BxWOhtyG2HBmKWEKHITZFC7zkVTs2Xmipy+rruMwALcJ+kUrwBwrt5hXY4NTx
+AuRIM0sdSdBhrpfj0aA5e0q8qJMOyMI8wNRsQDQdS09Gak5cN5DGNDF7SYfbocxX2BRFiLOZfg5+j6PnFJYv2Neup7172w8NDnXeXUDo
+fZVOb16//7R2evPHd+ffP9bb7Pd//7ztMJ9fwA3cECAD0h02j9Y4wm6AL78cm7979XQ4vXn+xf58frzdbu+P2e/3x9P5FhEAtt9//
YrbfOdtvmfjL4805fnf+78U73W63v+XDvDk+/Xqb+354eDweHs7b3/DHUv/x8y9L7y6h/
XxHnWastJKUiiUUNmvikuCc6Gy15olcwKsIIU7hFdSxa7RYzl/GxWWm/Lhx8f8AAAD//yX7Efg=
```

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

Document being proven:

<https://app.provencdb.com/cv/19fa8-64ad40826d491e73bff66546-ufqyx3mjgvp3baul14ck7jsy-569635/cv2>

Hedera Hashgraph

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

Blockchain transaction:

[0.0.2013012@1689663997.032123378](https://hedera.com/blockchain-mainnet/transaction/0.0.2013012@1689663997.032123378)

Open source validation tool:

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