



Hedera™ Hashgraph

Certificate of Blockchain Proof

Powered by **Proven**^{DB}

NCC_Group_HederaHashgraph_E001942_Report_2021-
08-06_v1.0.pdf

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

This certificate constitutes proof that a document has been anchored to a Blockchain using the Hedera Hashgraph Protocol on [Fri, 17 Sep 2021 21:41:46 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.provencdb.com/app/document/share/ee84d377763399b1b055083eb2de2da5aac59d53c6315fe8395a1b8b5710f7010541f72c6e680af79b6871ce684565fc1f75b4c9888744cd7fa6265bdec0015a8be74a8b5a992b983df01f871f5ab446f40be9fd901f12ae44649fa346bd629e78e31726d0f4bfbf24b4835cb73355b9e873e2dc4c568d61b9ba5a43e5885c6c2acc39971b8a7deb1be12dd6df4a4928d344f/compliance>



Details of the document being proved

The document was uploaded by Hedera Hashgraph (email user: docusign@hedera.com) at *Fri, 17 Sep 2021 21:41:29 GMT*

The document name when hashed was "NCC_Group_HederaHashgraph_E001942_Report_2021-08-06_v1.0.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:
`896fa9b48a4b7f9f344c0784708ca9798162ecd1f9f625e6333bd732d2ced797`

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=a042be529e6a861fbef0b4f2c6dff96abdd1de384ca1ada32d912fdbc3a75623349357f076dec1440b315a5048fa8e4c>

See *Schedule 2* for a detailed cryptographic proof.

The Hedera Hashgraph proof was anchored to the Blockchain in transaction
`a042be529e6a861fbef0b4f2c6dff96abdd1de384ca1ada32d912fdbc3a75623349357f076dec1440b315a5048fa8e4c`
at: *Fri, 17 Sep 2021 21:41:46 GMT*

Summary

The document `NCC_Group_HederaHashgraph_E001942_Report_2021-08-06_v1.0.pdf` with hash value `896fa9b48a4b7f9f344c0784708ca9798162ecd1f9f625e6333bd732d2ced797` was anchored to the Hedera Hashgraph Blockchain by Hedera Hashgraph (email user: docusign@hedera.com) at: *Fri, 17 Sep 2021 21:41:46 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 [896fa9b48a4b7f9f344c0784708ca9798162ecd1f9f625e6333bd732d2ced797](#) 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

[896fa9b48a4b7f9f344c0784708ca9798162ecd1f9f625e6333bd732d2ced797](#)

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

<https://app.dragonglass.me/hedera/search?q=a042be529e6a861fbef0b4f2c6dff96abdd1de384ca1ada32d912fdbcb3a75623349357f076dec1440b315a5048fa8e4c>

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

Below is a binary representation of the Blockchain proof

```
eJy0LLG0nDUQx1+FgnZvPePx2HPVsbwCFc0y9sywn7TZb7X7JZDyoKG9PAAS5FACQISikvYt0F3F6KgFQ1S2rH/P/9t/eTvf9vqabuZbL0fzc
+fmibMo4zVaFJWAC4rzRgrVFRH62M4/fkYOT3vz6Zl8afkRpc/MCGskqygyfo5wTXBN/MV7/JiP/xP/kPww/Nt+1P3Y+unVtz/
vtPvu94P1jc1j87Twej6cfrj9cXe+6UiQG6VMSn1EdiGCksXAexZTKYoggCVVl0xUi7bhyRq2gLBx+9N8eHPa6goLPwl1GZm3LkmjekNCF+vctfYB6MIK
yYmhSjYGrwpaC2ZSLNTQ6wWQagV3aKVQr0RIMFMe0FPGIKGN5lkwxvAGudZOQ2rjUYJtlqKXQB7ySWKujPIKCJdIXtKWAi8URAKrABtjBgdQJNJE
WmtmUWyktplQ8w6ai0ARpEAGmGRzt08abdwbYWEuEfi0iq7S
+qaanOLnDvhBTBxCi6lYoylG3hz9kD1xMyjlGszQeSWKVUfkaPkXqI6VDRv6QlomjhAonUUq+JW2asxg0hiEHa0rOgFQoOGFLOW62jsnRmb
+ofAd0adP3lQauvmR90802m/92Xz4NZ8/ECyu9s3T7PT3XF3y8uDvx66++XdtSn0X2oi7F5QnLUxRPdlnQIHW4SwjMwz42GgppmNAEM6yNrLYw5k
+RSI1U2H0CueoaiJVELbU7j/vlxOt2dX22X5XC6Xq+fjr46H0c5tO/8aprXL/w4xcv1v++y/tjN3t6Meb/4N8tf/3T7Ok92NR+/Wo+tTvvDPO2X9Yv8+Gy/
fvZ+dP/wD5xvmnCodGpKvYZEJhqpNqqpDZUqDRh9GIQEY3H00XerGQ2HW5X6dwAAAP//W/mYLQ==
```

Schedule 3: List of printable links in the document

Document being proven:

<https://app.provendb.com/app/document/share/b53155f3ff1e05af4b5ace152a8783593f47c6686d6a10340b480a2f46956af32c53ae75d9ec79fc20599d6a15b87ebff5413d696827671d83c2aadf4653b5ac050065b2c55047606d592e3496623e9ae06f5ebcd1942bbb0c9758bc2f8d0dd593a76814eb57ea53ad0ba3957e2d8e876802854229bf4485b3e052ea18825529a3642bb159d523c67ed093bb10bc80e8f8bd5e/compliance>

Hedera Hashgraph

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

Blockchain transaction:

[a042be529e6a861fbef0b4f2c6dff96abdd1de384ca1ada32d912fdb3a75623349357f076dec1440b315a5048fa8e4c](https://app.provendb.com/app/transaction/a042be529e6a861fbef0b4f2c6dff96abdd1de384ca1ada32d912fdb3a75623349357f076dec1440b315a5048fa8e4c)

Open source validation tool:

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