Required Block Confirmations

Block confirmation requirements for attestations on each chainSuggest Edits

Before signing an attestation for a source chain event, Circle waits for a specified number of on-chain block confirmations to pass to determine finality. The following table displays the average time it takes for an attestation to become available after a source chain event, which includes the ~20 seconds it takes for the attestation service to observe and sign the source chain event.

Note : These values are subject to change.

Mainnet

Source Chain Number of Blocks Average Time Ethereum ~65 *~13 minutes Avalanche 1 ~20 seconds Celo 1 ~5 seconds OP Mainnet ~65 ETH blocks* ~13 minutes Arbitrum ~65 ETH blocks *~13 minutes Noble 1 ~20 seconds Base ~65 ETH blocks* ~13 minutes Polygon PoS ~200 ~8 minutes

Testnet

Source Chain Number of Blocks Average Time Ethereum Sepolia 5 ~1 minute Avalanche Fuji 1 ~20 seconds Celo 1 ~5 seconds OP Sepolia 5 ~20 seconds Arbitrum Sepolia 5 ~20 seconds Noble Testnet 1 ~20 seconds Base Sepolia 5 ~20 seconds Polygon PoS Mumbai 1 ~20 seconds

Block confirmations for L2s to Ethereum

Arbitrum, Base, and OP Mainnet are L2 blockchains that publish transaction data to their L1 blockchain, Ethereum. Before attesting to CCTP messages in an Ethereum block, Circle waits for the Ethereum block to finalize, which requires at least 65 block confirmations.

Block confirmations for Polygon PoS

We have currently set our time-to-attestation at 200 blocks for events on Polygon PoS mainnet. Deterministic finality (PIP-11) was rolled out on Polygon PoS mainnet in 2023, and we may reduce our time-to-attestation time as we observe PIP-11's performance. Updatedabout 23 hours ago * Table of Contents * * Mainnet * * Testnet