

## BUIP121: Create formal BCH specifications

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*edit 2019/5/5 by solex: budget added*

### Summary

The purpose of this BUIP is to develop and maintain a public specification for the Bitcoin Cash protocol.

### Proposal

This BUIP proposes that we use bitcoin unlimited funds to:

- Write a formal specification for Bitcoin Cash
- Maintain a formal specification for Bitcoin Cash

### Motivation

Having a proper and full documentation is beneficial to all projects that needs to interact with the Bitcoin Cash network.

### Budget

A maximum expenditure cap of \$20,000 is proposed for the technical author work involved. Due to the uncertain scope of the work, this is an estimate recommended by solex.

### Background

Currently there is a lot of information on how Bitcoin and it's derivatives operate, but it's shattered over a large number of resources and most of it is just descriptions of what the current codebases do.

While developing projects I've repeatedly found myself in need of a specification and have been referred to the concept that **the code is the specification**, which is unhelpful. An example of a currently poorly documented procedure is the Bitcoin Message creation and verification process.