

BUIP140: Multiple OP\_RETURN with shared size limit.

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### Summary

The purpose of this BUIP is to get a commitment from Bitcoin Unlimited to support a change to the standardness rules that would allow for users to make and broadcast transactions with multiple OP\_RETURN outputs given certain constraints.

### Proposals

I propose that we replace the standardness rule that enforces a maximum of one OP\_RETURN output per transaction with a rule that instead enforces a total OP\_RETURN size across all OP\_RETURN outputs in a transaction. The existing rule for maximum size per individual OP\_RETURN remains unchanged. The new limit on total size should be set so that it does not cause unnecessary issues and should be reasonable small.

A total size of 512b or 1024b are provided as an example for discussion and to set a ballpark of what the expectations are, but should not be seen as a requirement for this proposal.

### Motivation

By committing to support this change to standardness, Bitcoin Unlimited would send a signal to other node software developers that this is something that is possible to change under consensus and would help start the necessary discussions in the community.

### Background

With the expanse of OP\_RETURN based protocols and the widespread adoption of SLP tokens there is a need to enable cross-protocol collaboration. We cannot predict all possible usecases for this feature, but there is already several protocols that either see a benefit to this (CashIntents with SLP) or that are working around this limitation in awkward ways (SLP and SLPDEX).

### Budget

None