This document outlines the design for a marketplace for block construction (often referred to as block proposer / block builder separation or PBS) compatible with the upcoming Ethereum merge fork. This trust based solution closely resembles the [current Flashbots auction design](#) with modifications to enable solo staker participation without introducing changes to Ethereum consensus. This solution aims to bridge the gap to a [permissionless PBS design](#) which should be strongly considered for the cleanup fork in order to improve decentralization.

Thank you to the Flashbots team, EF research team, client implementation teams, and staking service providers for the feedback and countless hours of discussion which went into this document.

This post was originally posted to EthResearch, access the full post [here](#)