OpenST Protocol v0.9.3 Proposed sequence diagrams for stake and mint - Benjamin Bollen, last edit April 7, 2018 Branded Token Gate:SK Foundation/Mosaic:Worker Branded Token:ERC20 Staker:Address Staking Processor:Worker Core:SK Registrar:SK Token Holder:SK : approve(gate, amount) : stakeRequest(amount, tokenHolder) : transferFrom(staker, gate, amount) $\operatorname{*OST}(\operatorname{amount})$ emit StakeRequested(staker, amount, tokenHolder alt [accept] : acceptRequest(staker, amount, hashLock) : stake(uuid, amount, hashLock, tokenHolder) : transferFrom(processor, OpenSTValue, amount+bounty)evaluate request against policy «OST(amount+bounty)» store StakingIntentHash HTLC(processor, amount+bounty) emit StakingIntentDeclared(nonce, unlockHeight StakingIntentHash) HTLC(staker, amount) : rejectRequest(staker, amount) transfer(staker, amount) «OST(amount)» opt : revertStakeRequest(staker, amount) transfer(staker, amount) «OST(amount)»