1.1 Project 1: Blockchain bond issuance

Company chooses to offer an open auction for a bond issuance (where the bond is denominated in Bitcoin and pays a return of 5% of the headline value) with the auction and the bond issuance tracked on the blockchain.

1.1.1 Key notes

· Requires a method of encoding bids into a blockchain transaction that are conditional on the issuer accepting that bid. This could be done through metadata embedding within the transaction, or through considering the different signature scopes to allow a complete transaction to be constructed in phases.

· Requires the ability to track and trade the issued bonds directly on the blockchain. This will require the transaction outputs to be 'stained' in some manner to distinguish them from native transactions.

· Requires the ability for the bond issuer to pay the current holders of the bond on an annual basis, which requires the ability for the issuer to determine who the current holders are from the information held on the blockchain.

1.1.2 Required competencies

· IT/Blockchain development (or interest to learn);

· Knowledge of financial products