

Figure 1

DEPOSIT TRANSACTION

□ Alice      □ Exchange

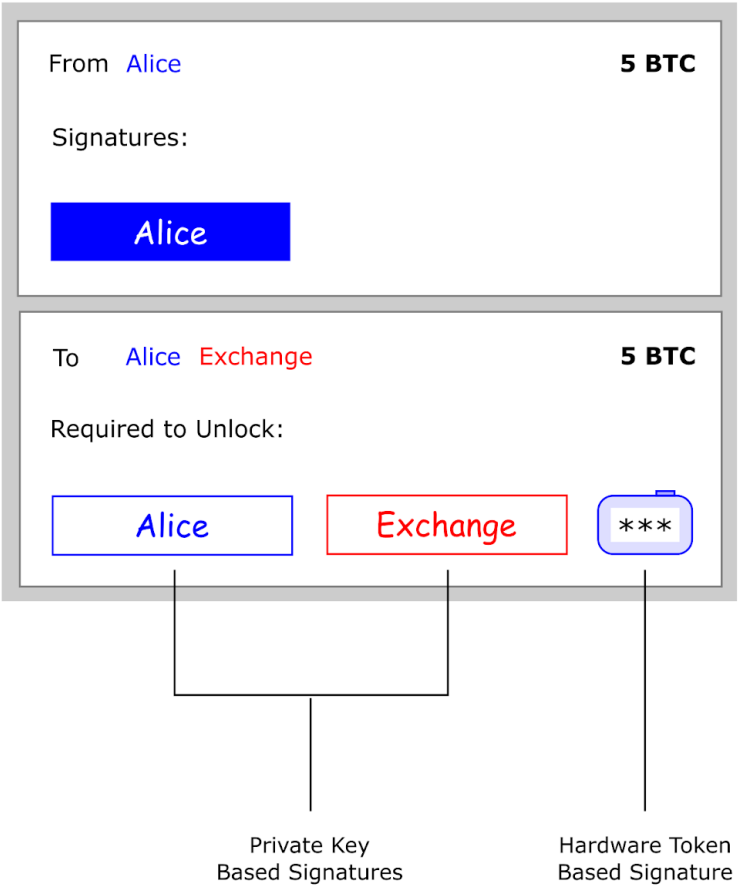
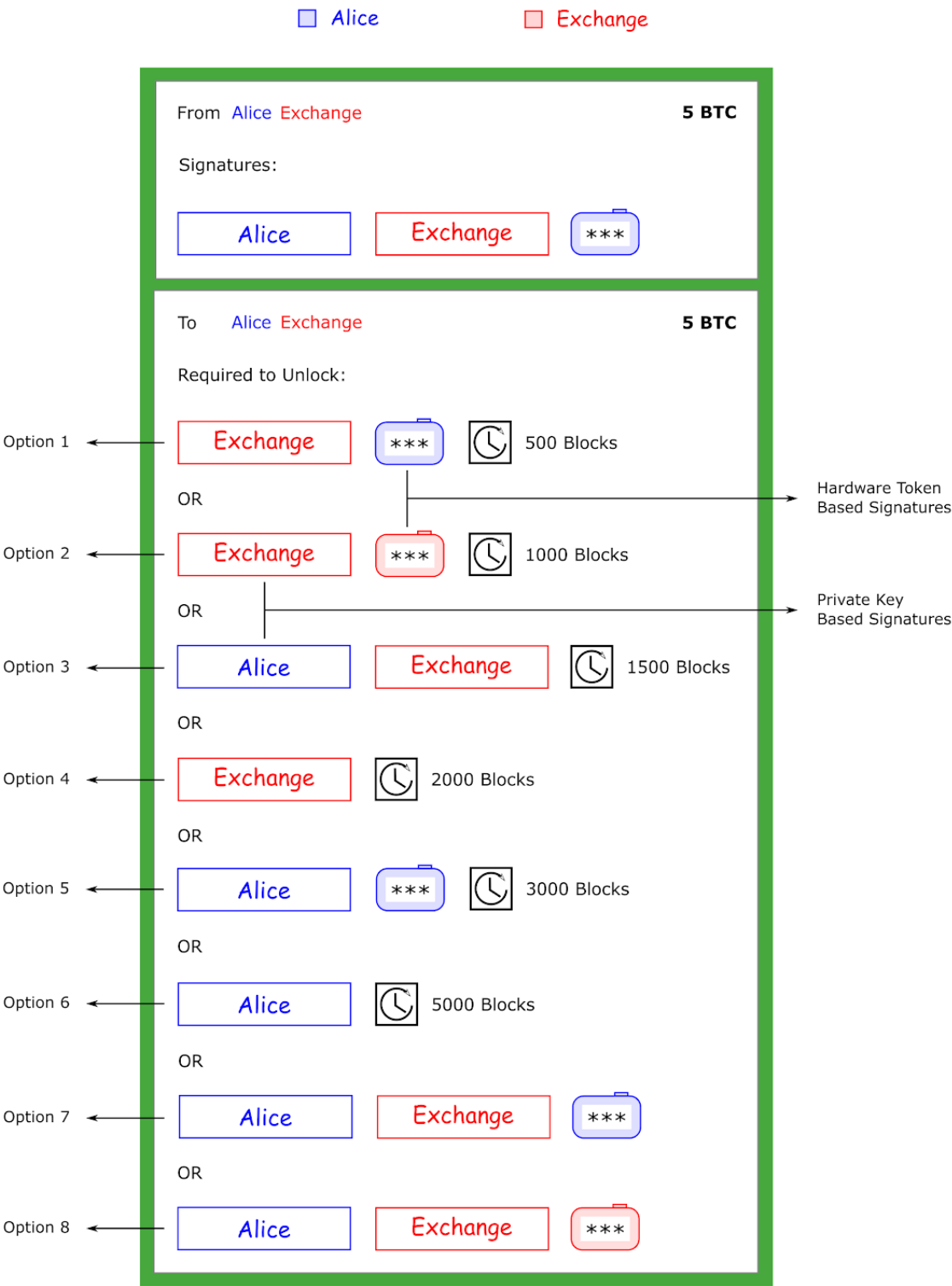


Figure 2

PROVISIONAL TRANSACTION TEMPLATE



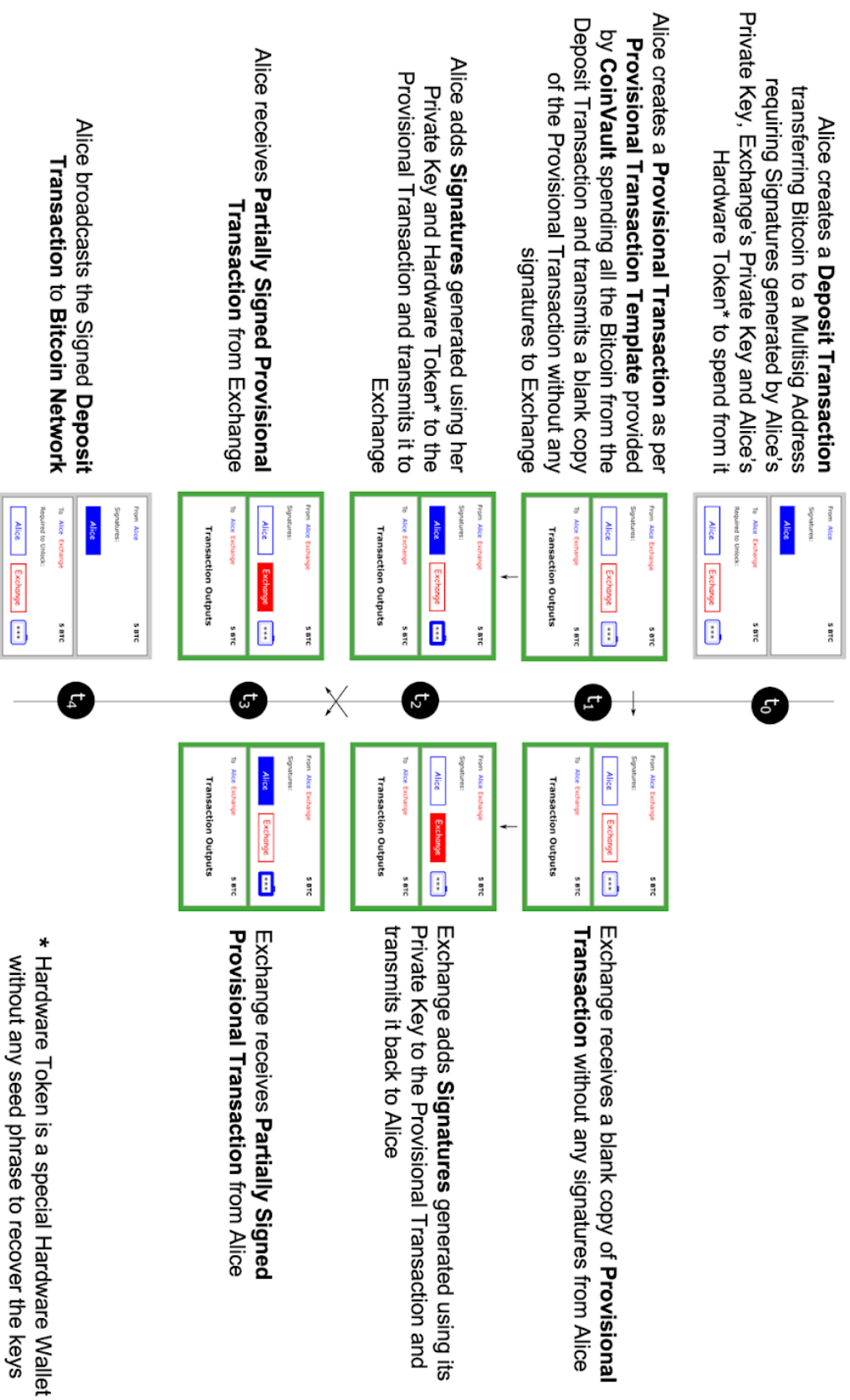


Figure 3

### Figure 4

EXCHANGE HARDWARE TOKEN											
Most Likely		SECURE				LOST / STOLEN					
ALICE HARDWARE TOKEN	SECURE	Alice Private Key	Exchange Private Key			Alice Private Key	Exchange Private Key				
				Secure	Breached			Secure	Breached		
			Secure	*	Option 7/8		0-2000	Option 7/8	0-1500	Option 7/8	Race Option 7
			Breached	0-5000	Option 7/8		0-1500	Option 7/8	Race Option 7		
			Lost	500-5000	Option 1/2		500-1500	Option 1	*		
ALICE HARDWARE TOKEN	LOST / STOLEN	Alice Private Key	Exchange Private Key			Alice Private Key	Exchange Private Key				
				Secure	Breached			Secure	Breached		
			Secure	*	Option 8		0-500	Option 8		*	
			Breached	0-3000	Option 8		Race Option 8		*		
			Lost	1000-3000	Option 2		*		*		

**Note:** When a **Key** is lost, it is assumed as breached. When a **Hardware Token** is lost, it is assumed malfunctioning, lost or stolen.

**Note:** **Green** squares indicate situations where recovery is possible within the mentioned window period in blocks of the blockchain. **Red** blocks indicate situations where remedial steps might fail to recover Alice's funds. **Orange** Blocks indicate situations where neither Alice & Exchange nor the adversaries have an advantage over one another in claiming Alice's funds.

**Note:** Options as depicted in Provisional Transaction Template in Figure 2.

# Secure Exchange without Hardware Tokens

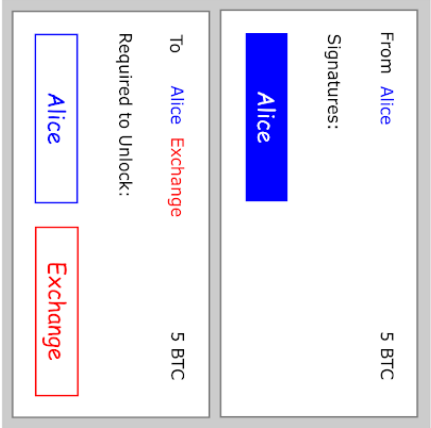


Figure 5

Exchange Private Key		
	Secure	Breached
Alice Private Key	Secure	Option 3 0-5000 Option 3 1000-5000 Option 1
	Breached	Option 3 0-1000 Option 3
	Lost	*
	Lost	*

Note: Lost Private Keys are assumed stolen.

