




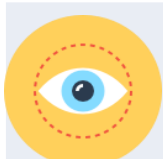


CorDapp Design & Flow

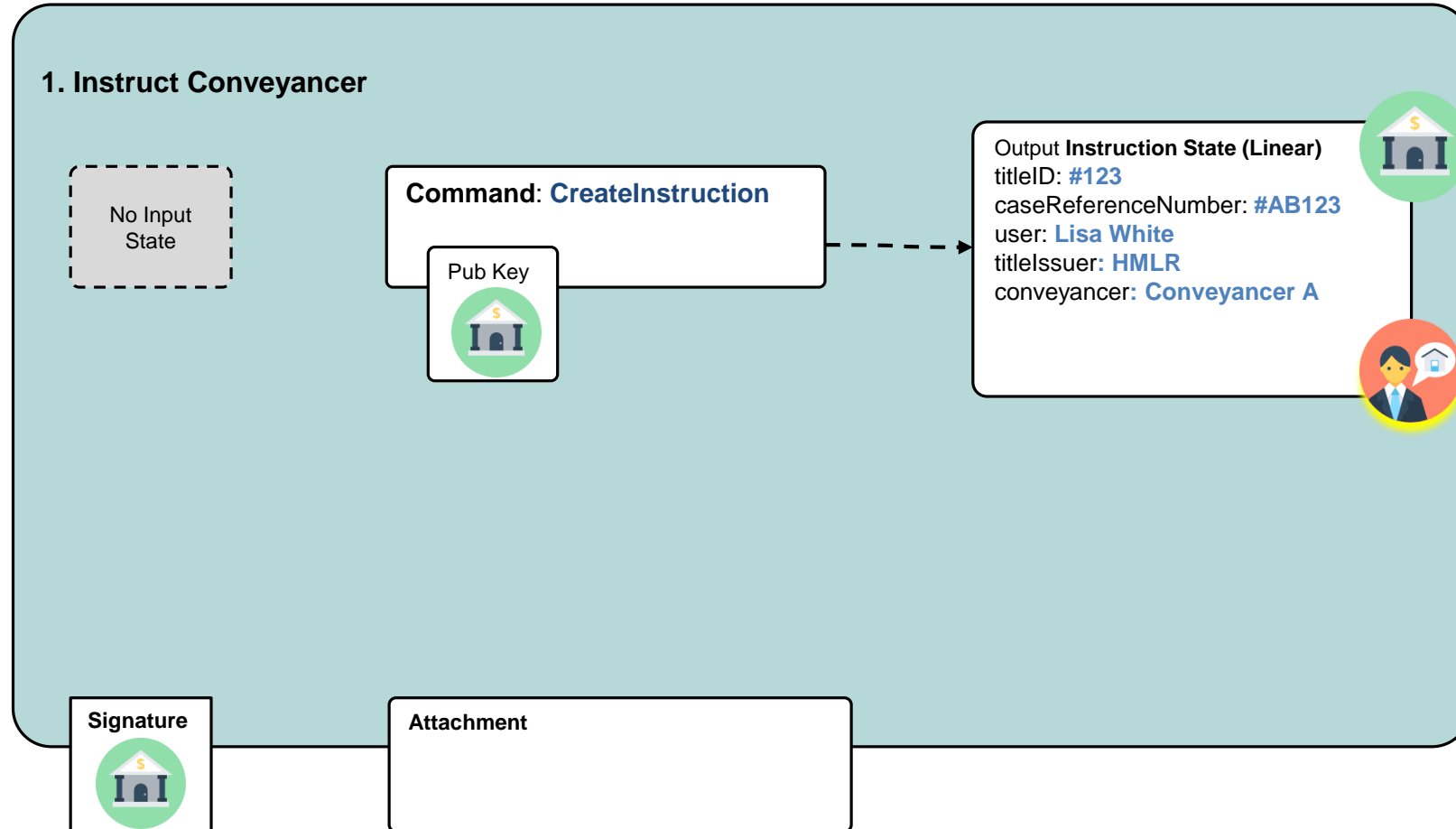


Parties

Actors & Their Roles

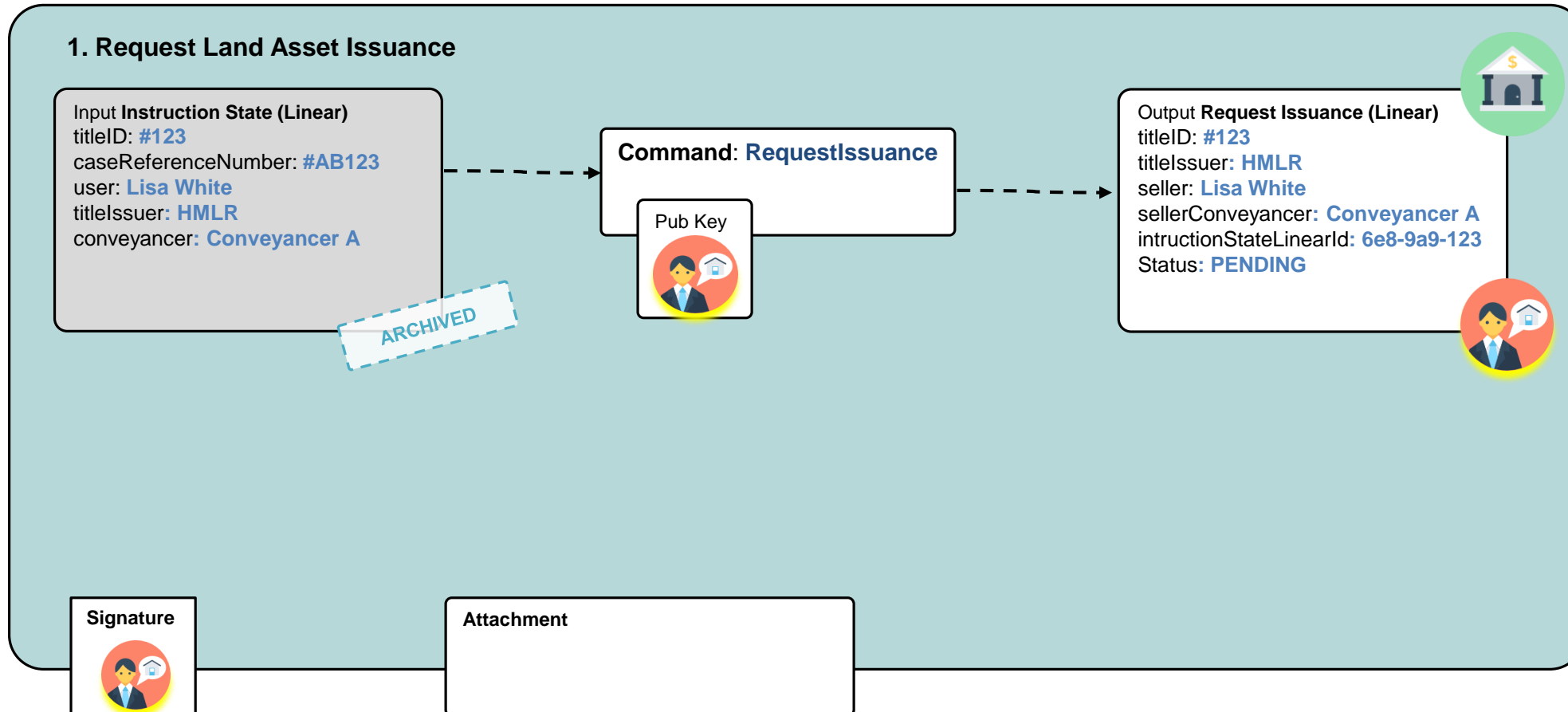
Icon	Role	Name
	Land Registry	HMLR
	Buyer's Conveyancer	Conveyancer B
	Seller's Conveyancer	Conveyancer A
	Notary	Notary

Transaction – 1a. Instruct Conveyancer



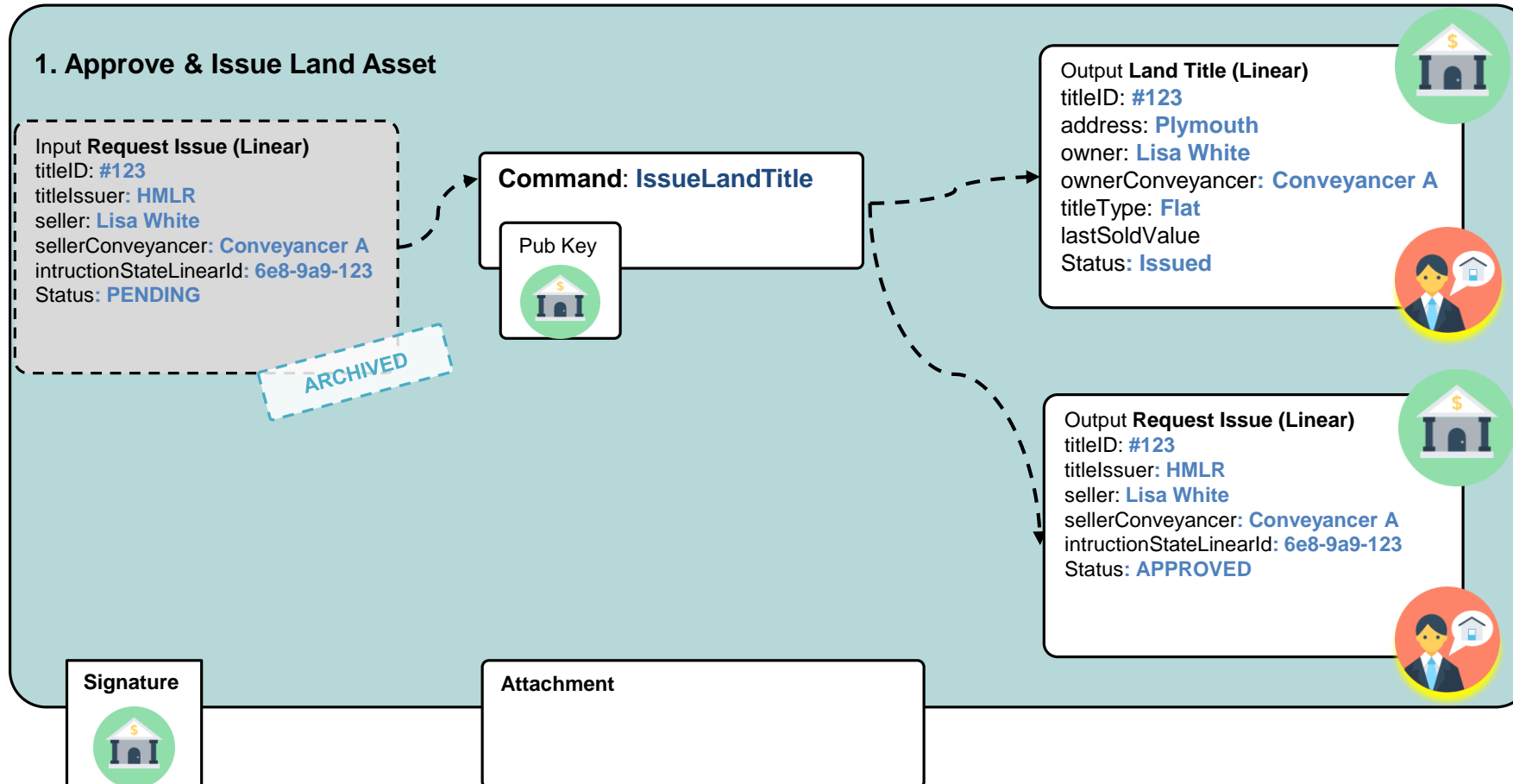
Note: For simplicity, minimal data is shown

Transaction – 2a. Accept & Request Land Issuance



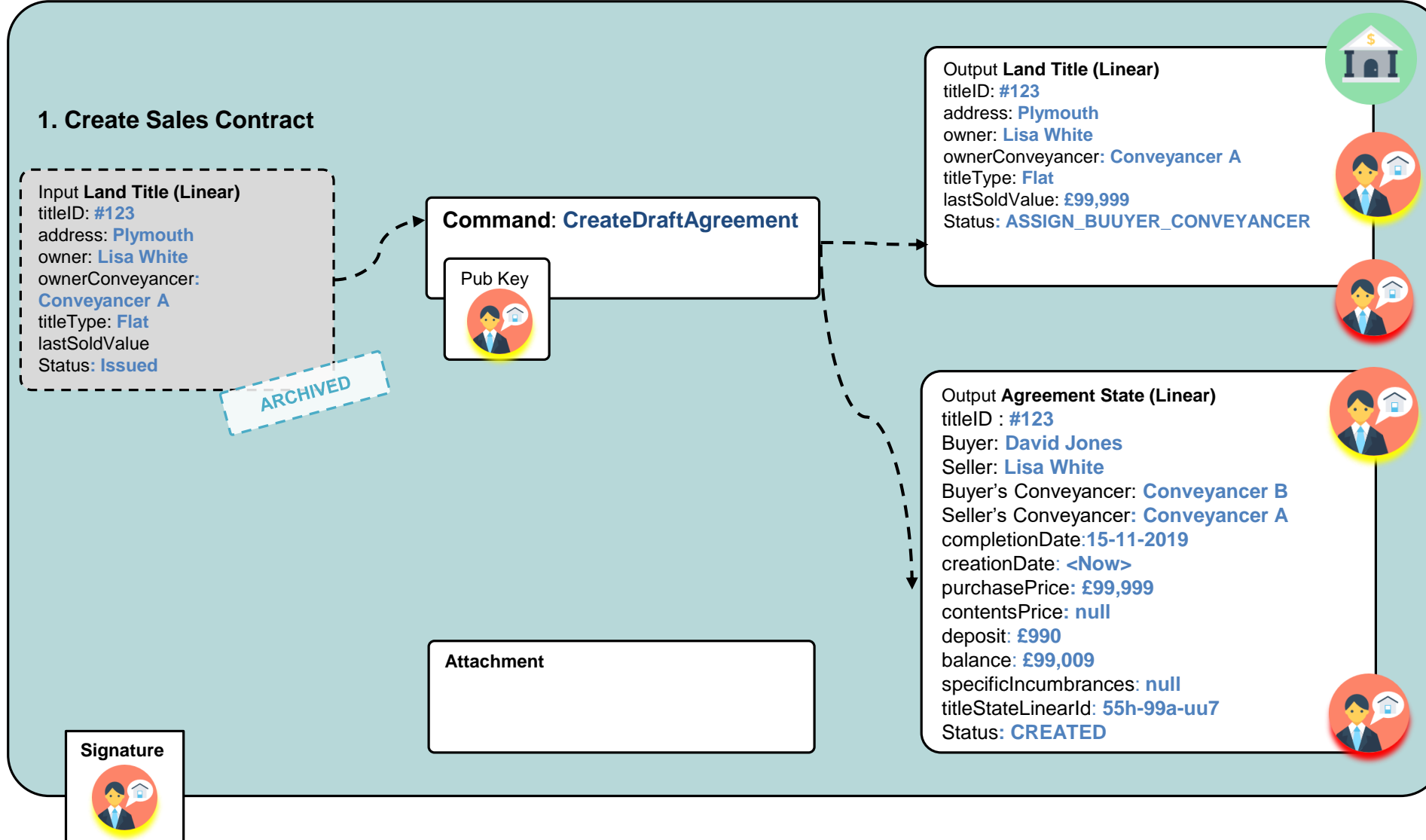
Note: For simplicity, minimal data is shown

Transaction – 2b. Approve & Issue Land Asset



Note: For simplicity, minimal data is shown

Transaction – 3a. Create Sales Contract



Note: For simplicity, minimal data is shown

Transaction – 3b. Approve Sales Contract



1. Approve sales contract

Input Agreement State (Linear)

titleID : #123
Buyer: David Jones
Seller: Lisa White
Buyer's Conveyancer: Conveyancer B
Seller's Conveyancer: Conveyancer A
completionDate: 15-11-2019
creationDate: <Now>
purchasePrice: £99,999
contentsPrice: null
deposit: £990
balance: £99,009
specificIncumbrances: null
titleStateLinearId: 55h-99a-uu7
Status: CREATED

ARCHIVED

Command: ApproveAgreement

Pub Key



Output Agreement State (Linear)

titleID : #123
Buyer: David Jones
Seller: Lisa White
Buyer's Conveyancer: Conveyancer B
Seller's Conveyancer: Conveyancer A
completionDate: 15-11-2019
creationDate: <Now>
purchasePrice: £99,999
contentsPrice: null
deposit: £990
balance: £99,009
specificIncumbrances: null
titleStateLinearId: 55h-99a-uu7
Status: APPROVED



Signature

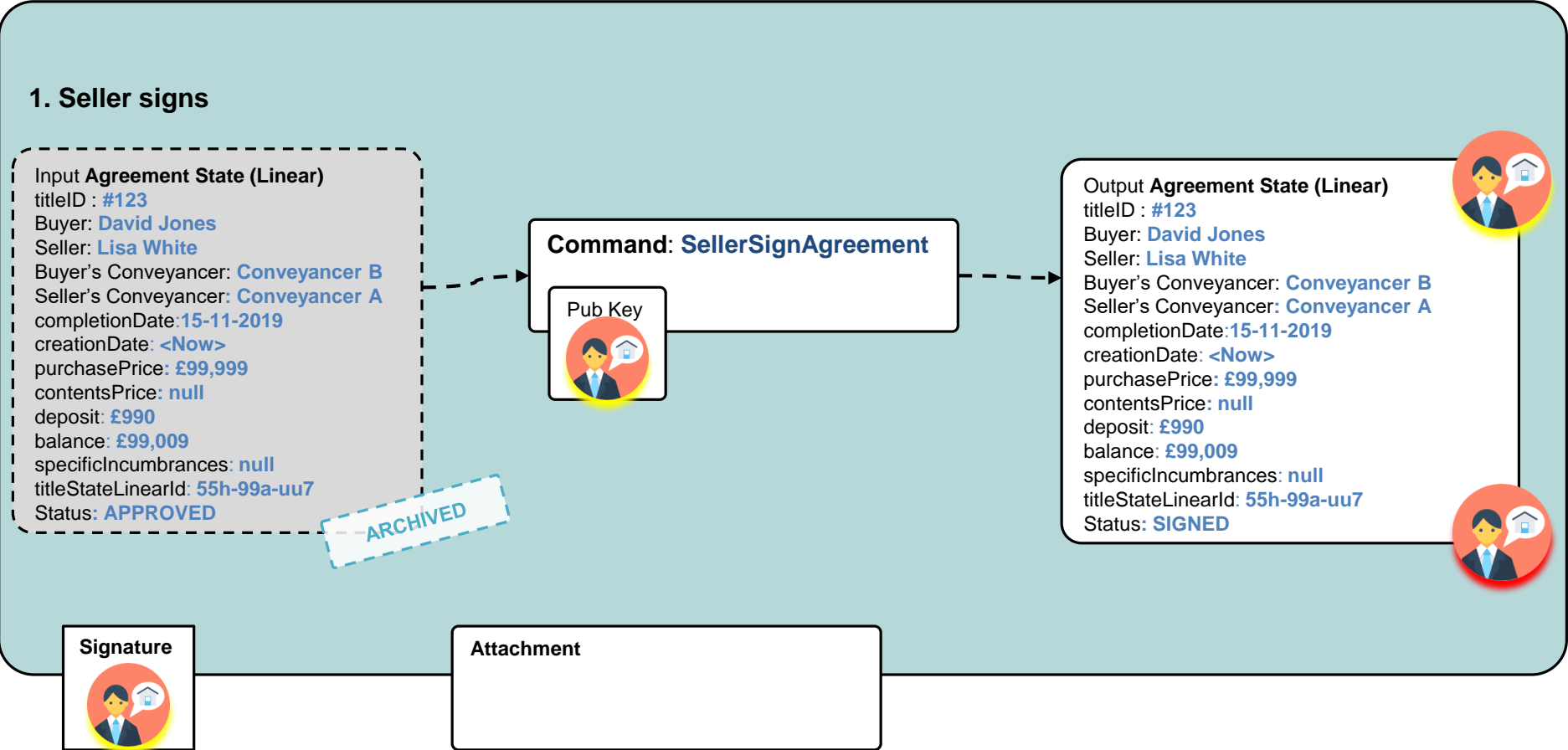


Attachment



Note: For simplicity, minimal data is shown

Transaction – 4a. Seller Signs

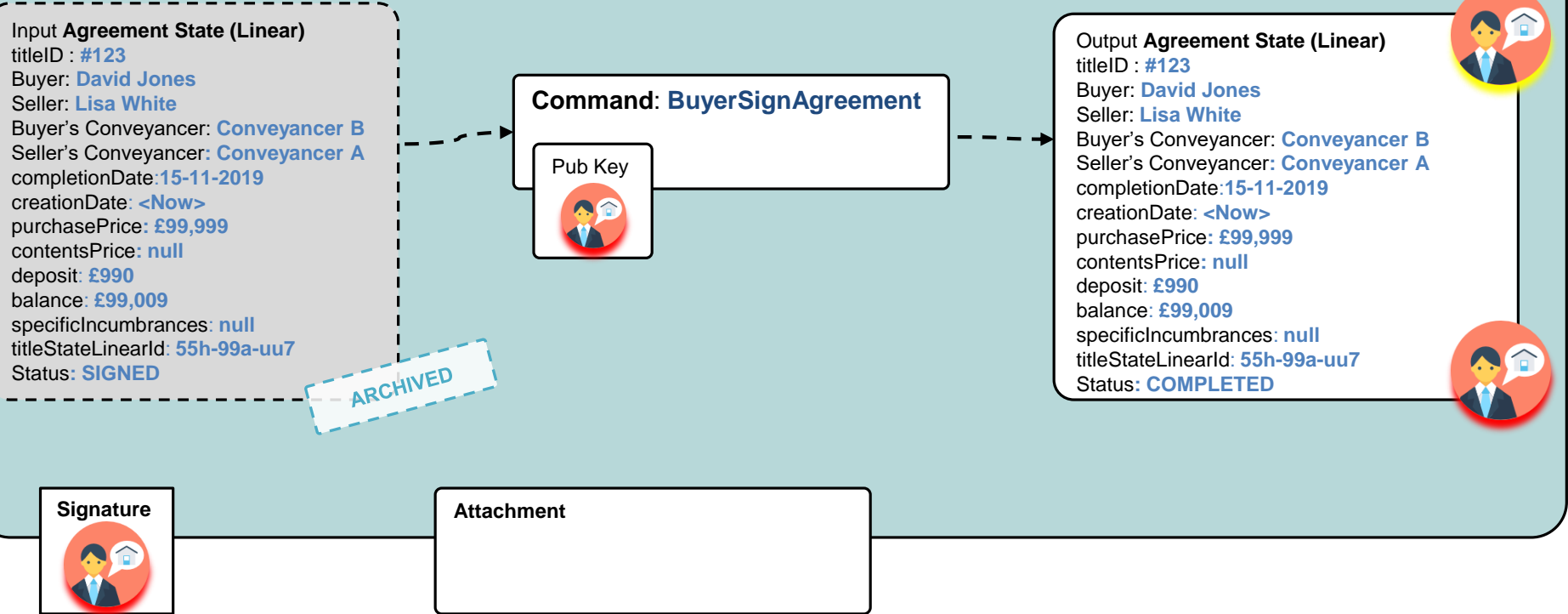


Smart Contract also verifies the Digital Signature of Lisa White in addition to other rules. This is required to ensure that the title owner i.e. Lisa White has indeed signed the contract digitally

Transaction – 4b. Buyer Signs



1. Buyer signs



Smart Contract also verifies the Digital Signature of David Jones in addition to other rules. This is required to ensure that the intended buyer i.e. David Jones has indeed signed & accepted the contract digitally

Transaction – 5a. Transfer Land Title



1. Transfer Land Title

Input Land Title (Linear)

titleID: #123
address: Plymouth
owner: Lisa White
ownerConveyancer: Conveyancer A
titleType: Flat
lastSoldValue: £99,999
Status: ASSIGN_BUYER_CONVEYANCER

ARCHIVED

Input Agreement State (Linear)

titleID : #123
Buyer: David Jones
Seller: Lisa White
Buyer's Conveyancer: Conveyancer B
Seller's Conveyancer: Conveyancer A
completionDate: 15-11-2019
creationDate: <Now>
purchasePrice: £99,999
contentsPrice: null
deposit: £990
balance: £99,009
specificIncumbrances: null
titleStateLinearId: 55h-99a-uu7
Status: COMPLETED

ARCHIVED

Command: TransferLandTitle

Pub Key

Pub Key

Attachment

Output Land Title (Linear)

titleID: #123
address: Plymouth
owner: David Jones
ownerConveyancer: Conveyancer B
titleType: Flat
lastSoldValue: £99,999
Status: TRANSFERRED

Output Agreement State (Linear)

titleID : #123
Buyer: David Jones
Seller: Lisa White
Buyer's Conveyancer: Conveyancer B
Seller's Conveyancer: Conveyancer A
completionDate: 15-11-2019
creationDate: <Now>
purchasePrice: £99,999
contentsPrice: null
deposit: £990
balance: £99,009
specificIncumbrances: null
titleStateLinearId: 55h-99a-uu7
Status: TRANSFERRED

Signature

Signature

Note: For simplicity, minimal data is shown