CLAIMS

1. A system for normalizing an item value for a plurality of exchanges, the system comprising:

a plurality of electronic exchanges configured for conducting transactions for at least one item in a set of items;

an item value normalization system configured to identify a reference item in the set of items, and state a value for at least one other item in the set of items as a normalized value relative to a value of the reference item; and

a robotic process automation system executing a set of computer-readable instructions on at least one processor, the instructions causing the robotic process automation system to automate item value normalization through automated operation of the item value normalization system by:

inspecting a set of smart contracts of each of the plurality of electronic exchanges;

generating a cross-exchange smart contract that provides conditions for a transaction in each of the plurality of electronic exchanges based on inspected set of smart contracts; and

using the cross-exchange smart contract to adjust the normalized value of the at least one other item for a transaction workflow in each of the plurality of electronic exchanges.

2. The system of claim 1, wherein the item value normalization system is configured to identify the reference item based on a transaction history for one or more candidate reference items in the set of items.

3. The system of claim 1, wherein the item value normalization system is configured to identify the reference item based on a transaction history for one or more items that are similar to a candidate reference item.

4. The system of claim 1, wherein the item value normalization system is configured to identify the reference item based on a degree of commonality of a candidate reference item to other items in the set of items.

5. The system of claim 1, wherein an item identified as a reference item from the set of items for a first electronic exchange of the plurality of electronic exchanges is distinct from an item identified as a reference item from the set of items for a second electronic exchange of the plurality of electronic exchanges.

6. The system of claim 1, wherein to automate item value normalization includes stating the normalized item value based on a native currency of a target electronic exchange of the plurality of electronic exchanges.

7. The system of claim 1, wherein to state a value for at least one other item in the set of items as a normalized value includes at least one exchange-specific fee associated with conducting a transaction for the item.

8. The system of claim 1, wherein the item value normalization system is further configured to identify a reference set of items, and state a value for at least one other item in a different set of items as a normalized value relative to a value of at least one item in the set of reference items.

9. The system of claim 1, further comprising a set of robotic process automation services that are configured to generate a token that represents an item in a second electronic exchange based on characteristics of the item determined from data from a first electronic exchange.

10. The system of claim 1, further comprising a set of robotic process automation services that are configured to generate a digital representation of a set of rights relating to an item that is consistent with governing rules of a second electronic exchange based on processing at least one of a set of smart contracts and a set of terms and conditions relating to the item.

11. The system of claim 1, further comprising a set of robotic process automation services that are configured to orchestrate a set of transaction workflows in each of a plurality of exchanges, such that initiation of a set of actions in one exchange of the plurality of exchanges automatically results in triggering of a set of actions in at least one other exchange.

12. The system of claim 1, further comprising a digital twin that represents a set of entities, workflows, and transaction parameters of a plurality of exchanges, such that interaction with an interface of the digital twin can orchestrate an interaction in each of the plurality of exchanges.

13. The system of claim 1, further comprising a data and network infrastructure pipeline that is configured to deliver data from a set of assets to a set of smart contracts that include terms, conditions and parameters for a set of transaction workflows involving the assets, wherein the pipeline is automatically configured to adjust a network path based on characteristics of the data and at least one performance parameter of the network path.

14. The system of claim 1, further comprising a data and network infrastructure pipeline that is configured to deliver data from a set of assets to an interface by which an operator orchestrates a set of parameters for a set of transaction workflows involving the assets, wherein the pipeline is automatically configured to adjust timing of data delivery based on at least one of a transaction parameter and a network performance parameter.

15. The system of claim 1, further comprising a set of application programming interfaces to a marketplace that are configured to be integrated into at least one of:

an electronic wallet system, such that interactions with a set of interfaces of the electronic wallet system automatically trigger a set of transaction workflows within the marketplace, a digital twin

platform, such that interactions with a set of interfaces of the digital twin platform automatically trigger a set of transaction workflows within the marketplace,

an enterprise database platform, such that interactions with a set of interfaces of the enterprise database platform automatically trigger a set of transaction workflows within the marketplace,

a platform-as-a-service platform, such that interactions with a set of interfaces of the platform-as-a-service platform automatically trigger a set of transaction workflows within the marketplace,

a computer-aided design platform, such that interactions with a set of interfaces of the computer-aided design platform automatically trigger a set of transaction workflows within the marketplace,

a video game, such that interactions with a set of interfaces of the video game automatically trigger a set of transaction workflows within the marketplace.