

WHAT IS CLAIMED IS:

1. A system, comprising:
 - a receiver to receive event data from an entity;
 - a storage area to store code of a smart contract; and
 - a processor to execute the smart contract to:
 - determine that the event data satisfies an endorsement policy;
 - set an identifier that corresponds to a context of the event data;
 - generate an event which includes the event data and the identifier; and
 - submit the event to record in a decentralized database, wherein the identifier validates that a state in correspondence with the context in the event data is correct.
2. The system of claim 1, wherein the identifier includes key information previously generated in correspondence to the context of the event data.
3. The system of claim 1, wherein the context of the event data refers to an object managed by the database.
4. The system of claim 1, wherein the context of the event data includes a tuple that includes at least two of a channel name, namespace, collection, or key name in correspondence with the database.
5. The system of claim 1, wherein the context of the event data includes a tuple that includes a channel name, namespace, collection and key name in correspondence with the database.
6. The system of claim 1, wherein the processor is to generate the event in accordance with operations that include insertion of the identifier into a predetermined field a format that corresponds to the event.
7. The system of claim 1, wherein:

the context is an object or namespace managed by the database, and

the identifier is pre-authenticated for the object or namespace.

8. A method, comprising:
 - receiving event data from an entity;
 - determining the event data satisfies an endorsement policy;
 - setting an identifier that corresponds to a context of the event data;
 - generating an event which includes the event data and the identifier; and
 - submitting the event for recording in a decentralized database, wherein the identifier is used to validate that a state corresponding to the context in the event data is correct.
9. The method of claim 8, wherein the identifier includes key information previously generated in correspondence to the context of the event data.
10. The method of claim 8, wherein the context of the event data refers to an object managed by the database.
11. The method of claim 8, wherein the context of the event data includes a tuple including at least two of a channel name, namespace, collection, or key name corresponding to the database.
12. The method of claim 8, wherein the context of the event data includes a tuple including a channel name, namespace, collection, and key name corresponding to the database.
13. The method of claim 8, wherein generating the event includes inserting the identifier into a predetermined field a format that corresponds to the event.
14. The method of claim 8, wherein:

the context is an object or namespace managed by the database, and

the identifier is pre-authenticated for the object or namespace.

15. A non-transitory computer-readable medium storing instructions which, when executed by one or more processors, cause the one or more processors to:

receive event data from an entity;

determine the event data satisfies an endorsement policy;

set an identifier that corresponds to a context of the event data;

generate an event which includes the event data and the identifier; and

submit the event for recording in a decentralized database, wherein the identifier validates that a state corresponding to the context in the event data is correct.

16. The medium of claim 15, wherein the identifier includes key information previously generated in correspondence to the context of the event data.

17. The medium of claim 15, wherein the context of the event data refers to an object managed by the database.

18. The medium of claim 15, the context of the event data includes a tuple including at least two of a channel name, namespace, collection, or key name corresponding to the database.

19. The medium of claim 15, wherein generating the event includes inserting the identifier into a predetermined field a format that corresponds to the event.

20. The medium of claim 15, wherein:

the context is an object or namespace managed by the database, and

the identifier is pre-authenticated for the object or namespace.