What is claimed is:

1. A method comprising:

disposing an electronic initiator sleeve within a closed wellbore penetrating at least a portion of a subterranean formation, wherein the electronic initiator sleeve comprises:

a housing having at least one port,

a sleeve in a closed position,

an actuator,

at least one sensor,

an electro-hydraulic lock coupled to the actuator that maintains the sleeve in the closed position until removed, and

a hydraulic chamber isolated from fluid within the closed wellbore;

increasing fluid pressure within the closed wellbore for a period of time, wherein the sleeve remains in the closed position during the period of time;

detecting a signal with the at least one sensor; and

actuating the actuator in response to the signal to transition the sleeve from the closed position to an open position.

2. The method of claim 1, wherein the at least one port is exposed when the sleeve transitions from the closed position to the open position, and wherein ~~an initial~~a route of fluid communication between the closed wellbore and the subterranean formation is established through the at least one port.

3. The method of ~~any of claims 1 or 2~~claim 2, wherein the route of fluid communication is an initial route of fluid communication established between the closed wellbore and the subterranean formation.

4. The method of claim 1, wherein the closed wellbore comprises a cement sheath that is substantially unbroken when the electronic initiator sleeve is disposed within the closed wellbore.

~~4~~5. The method of claim ~~3~~1, wherein the cement sheath is broken after the sleeve transitions from the closed position to the open position.

~~5.~~ 6. The method of ~~any of claims~~claim 1~~ or 2~~, wherein the electronic initiator sleeve further comprises:
a shear pin that maintains the sleeve in the closed position until sheared.

7.
~~6.~~ The method of claim ~~5~~1, wherein the electro-hydraulic lock is removed by actuating the actuator in response to the signal.

~~7~~8. The method of ~~any of claims~~claim 1~~ or 2~~, wherein the signal comprises a pulse signal, a discrete threshold signal, a series of discrete threshold signals over time, a series of ramping signals over time, a pulse width modulated signal, a signal profile, or any combination thereof.

~~8~~9. The method of ~~any of claims~~claim 1~~ or 2~~, wherein the signal is generated by adjusting one or more of a pressure in the closed wellbore, a temperature in the closed wellbore, a pH in the closed wellbore, a flow rate in the closed wellbore, an acoustic vibration in the closed wellbore, a magnetic field in the closed wellbore, an electromagnetic field in the closed wellbore, or any combination thereof.

~~9~~10. The method of ~~any of claims~~claim 1~~ or 2~~, wherein the electronic initiator sleeve further comprises on-board electronics, and wherein the method further comprises:
sending an electrical signal from the sensor to the on-board electronics based on the detected signal; and
sending an actuation signal from the on-board electronics to the actuator based on the electrical signal.

~~10~~11. The method of claim ~~9~~10, wherein there is a time delay between sending the electrical signal from the sensor to the on-board electronics and sending the signal from the on-board electronics to the actuator.

~~11~~12. An electronic initiator sleeve comprising:
a housing comprising one or more ports;
at least one sensor coupled to the housing;
a sleeve disposed within the housing that is configured to transition from a closed position to an open position exposing the one or more ports;

an actuator disposed within the housing, wherein the actuator actuates in response to detection of a signal by the at least one sensor and maintains the sleeve in the closed position until actuated;

a shear pin that maintains the sleeve in the closed position until sheared,

an electro-hydraulic lock coupled to the actuator that maintains the sleeve in the closed position until removed, and

a hydraulic chamber isolated from fluid within the closed wellbore.

13. The electronic initiator sleeve of claim 12, wherein the electro-hydraulic lock is removed upon actuation of the actuator.

14. The electronic initiator sleeve of claim 12, wherein the electro-hydraulic lock comprises a rupture disk and a piercing mechanism that ruptures the rupture disk upon actuation of the actuator to remove the electro-hydraulic lock.

15. The electronic initiator sleeve of claim 12, wherein the at least one sensor comprises a pressure sensor, a temperature sensor, a pH sensor, a flow sensor, a hydrophone, a vibrational sensor, an acoustic sensor, an accelerometer, a piezoelectric sensor, a strain gauge, or any combination thereof.

16. A system comprising:

a wellbore having a wellhead;

a tubular string disposed within the wellbore and depending from the wellhead;

an electronic initiator sleeve incorporated into the tubular string in a position farthest from the wellhead, wherein the electronic initiator sleeve comprises:

a housing comprising one or more ports;

at least one sensor coupled to the housing;

an actuator disposed within the housing that actuates in response to detection of a signal by the at least one sensor;

a sleeve disposed within the housing that is configured to transition from a closed position to an open position upon actuation of the actuator;

an electro-hydraulic lock coupled to the actuator that maintains the sleeve in the closed position until removed, and

a hydraulic chamber isolated from fluid within the closed wellbore.

~~12~~17. The system of claim ~~11~~16, wherein the electronic initiator sleeve further comprises on-board electronics coupled to the sensor and the actuator.

~~13~~

18. The system of ~~any of claims 11 or 12~~claim 16, wherein the at least one sensor comprises a pressure sensor, a temperature sensor, a pH sensor, a flow sensor, a hydrophone, a vibrational sensor, an acoustic sensor, an accelerometer, a piezoelectric sensor, a strain gauge, or any combination thereof.

~~14~~19. The system of ~~any of claims 11 or 12~~claim 16, further comprising at least one downhole tool incorporated into the tubular string.

~~15~~20. The system of ~~any of claims 11 or 12~~claim 16, wherein the electronic initiator sleeve further comprises:

a shear pin coupled to the housing that maintains the sleeve in the closed position until sheared.