Claims:

1. A system, comprising:

a plurality of triggers disposed in a borehole and within a first distance of each other, the plurality of triggers comprising at least one recipient trigger; and

a hub disposed in the same borehole as the plurality of triggers and separated from the plurality of triggers by at least a second distance that is greater than the first distance,

wherein the hub includes a directional transceiver that wirelessly transmits a signal directly to each trigger of the plurality of triggers other than the at least one recipient trigger, and the signal is intended for the at least one recipient trigger, and

wherein each trigger other than the at least one recipient trigger directly receives the signal from the hub and re-broadcasts the signal to the at least one recipient trigger.

2. The system of claim 1, wherein:

each trigger other than the at least one recipient trigger is configured to receive and re-broadcast the signal if the respective trigger is not the at least one recipient trigger.

3. The system of claim 1, wherein:

the signal transmitted by the hub comprises a recipient identifier selected from a plurality of identifiers; and

each trigger of the plurality of triggers is associated with a respective one of the plurality of identifiers.

4. The system of claim 3, wherein each trigger processes the signal and re-broadcasts the signal if the recipient identifier is different from the identifier associated with the respective trigger.

5. The system of claim 3, wherein each trigger is communicably coupled to a downhole tool and, upon processing the signal, each trigger activates its corresponding downhole tool to perform an action if the recipient identifier is the same as the identifier associated with the respective trigger.

6. The system of claim 5, wherein the downhole tool is a mechanism comprising at least one of a fluid sampling system or device, a telemetry tool, a packer or other wellbore isolation device, a motor, an inflow control device, a sliding sleeve, an electronic rupture disc, a jarring tool, a

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subsea tree, a safety valve, a sensor and a retainer valve.

7. The system of claim 3, wherein the triggers that are associated with identifiers that do not match the recipient identifier re-broadcast the signal simultaneously.

8. The system of claim 3, wherein the triggers that are associated with identifiers that do not match the recipient identifier rebroadcast the signal at times that are offset from each other.

9. The system of claim 1, wherein the plurality of triggers are arranged about a tubular extended within the borehole.

10. A method, comprising:

transmitting a wireless signal to a plurality of triggers disposed within a borehole with a hub disposed within the same borehole,

wherein the hub includes a directional transceiver, the plurality of triggers include at least one recipient trigger, the wireless signal is transmitted directly to each trigger of the plurality of triggers other than the at least one recipient trigger and is intended for the at least one recipient trigger, and the plurality of triggers are arranged within a first distance of each other and the hub is separated from the plurality of triggers by at least a second distance that is greater than the first distance; and

receiving the wireless signal directly with each trigger other than the at least one recipient trigger and re-broadcasting the wireless signal with each trigger other than the at least one recipient trigger to the at least one recipient trigger.

11. The method of claim 10, wherein the wireless signal transmitted by the hub comprises a recipient identifier selected from a plurality of identifiers, and each trigger is associated with a respective one of the plurality of identifiers, wherein rebroadcasting the wireless signal comprises processing the wireless signal if the recipient identifier matches the identifier associated with the respective trigger and otherwise rebroadcasting the wireless signal.

12. The method of claim 11, wherein re-broadcasting the wireless signal comprises re-broadcasting the wireless signal simultaneously with triggers that are associated with identifiers that do not match the recipient identifier.

13. The method of claim 11, wherein re-broadcasting the wireless signal comprises re-broadcasting the wireless signal with triggers that are associated with identifiers that do not match the recipient identifier at times that are offset from each other.

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14. The method of claim 11, wherein processing the wireless signal comprises:

activating a downhole tool communicably coupled to each trigger whose identifier matches the recipient identifier; and

performing an action with the downhole tool upon being activated by its respective trigger.

15. The method of claim 14, further comprising: creating a telemetry signal with the trigger communicably coupled to the downhole tool,

the telemetry signal comprising information received from the downhole tool;

transmitting the telemetry signal to adjacent triggers of the plurality of triggers; and

transmitting the telemetry signal to the hub with the adjacent triggers.

16. The method of claim 15, wherein transmitting the telemetry signal to the hub comprises transmitting the telemetry signal simultaneously with the adjacent triggers.

17. The method of claim 15, wherein transmitting the telemetry signal to the hub comprises transmitting the telemetry signal at times that are offset from each other with the adjacent triggers.

18. A system, comprising:

a plurality of triggers disposed in a borehole and within a first distance of each other; and a hub disposed in the same borehole as the plurality of triggers and separated from the plurality of triggers by at least a second distance that is greater than the first distance,

wherein the hub includes a directional transceiver that directly receives a wireless signal transmitted by any of the plurality of triggers, and

wherein at least one trigger of the plurality of triggers transmits the wireless signal intended for the hub directly to each of the other triggers of the plurality of triggers and each of the other triggers receives and re-broadcasts the received wireless signal directly to the hub.

19. The system of claim 18, wherein the triggers that re-broadcast the signal do so simultaneously.

20. The system of claim 18, wherein the triggers that re-broadcast the signal do so at times that are offset from each other.

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