CLAIMS

1. A method for facilitating tracking success of a control protocol data unit transmission, including:

authenticating a control protocol data unit; and

producing a notice for a module that sends the control protocol data unit to reset a counter upon successful authentication of the control protocol data unit.

2. The method of claim 1, further including transferring the notice to the module.

3. The method of claim 1, further including collecting the control protocol data unit.

4. The method of claim 3, further including extracting identification data from the collected control protocol data unit, the identification data is used in transferring the notice to the module.

5. A wireless communication apparatus, including:

a confirmer that authenticates a control protocol data unit; and

an constructer that produces a notice for a module that sends the control protocol data unit to reset a counter upon successful authentication of the control protocol data unit.

6. The apparatus of claim 5, further including an emitter that transfers the notice to the module.

7. The apparatus of claim 5, further including an obtainer that collects the control protocol data unit.

8. The apparatus of claim 7, further including a puller that extracts identification data from the collected control protocol data unit, the identification data is used in transferring the notice to the module.

9. A wireless communications apparatus, including:

means for authenticating a control protocol data unit; and

means for producing a notice for a module that sends the control protocol data unit to reset a counter upon successful authentication of the control protocol data unit.

10. The apparatus of claim 9, further including means for transferring the notice to the module.

11. The apparatus of claim 9, further including means for collecting the control protocol data unit.

12. The apparatus of claim 11, further including means for extracting identification data from the collected control protocol data unit, the identification data is used in transferring the notice to the module.

13. A machine-readable medium having stored thereon machine-executable instructions for:

authenticating a control protocol data unit; and

producing a notice for a module that sends the control protocol data unit to reset a counter upon successful authentication of the control protocol data unit.

14. The machine-readable medium of claim 13, further including instructions for transferring the notice to the module.

15. The machine-readable medium of claim 13, further including instructions for collecting the control protocol data unit.

16. The machine-readable medium of claim 15, further including instructions for extracting identification data from the collected control protocol data unit, the identification data is used in transferring the notice to the module.

17. In a wireless communication system, an apparatus including:

a processor configured to:

authenticate a control protocol data unit; and

produce a notice for a module that sends the control protocol data unit to reset a counter upon successful authentication of the control protocol data unit.

18. The apparatus of claim 17, the processor is further configured to transfer the notice to the module.

19. The apparatus of claim 17, the processor is further configured to collect the control protocol data unit.

20. The apparatus of claim 19, the processor is further configured to extract identification data from the collected control protocol data unit, the identification data is used in transferring the notice to the module.

21. A method for facilitating tracking success of a control protocol data unit transmission substantially as claimed in claim 1 as hereindescribed with reference to the accompanying drawings.

22. A wireless communication apparatus as claimed in claim 5 substantially as hereindescribed with reference to the accompanying drawings.

23. A wireless communications apparatus as claimed in claim 9 substantially as hereindescribed with reference to the accompanying drawings.

CLAIMS

1. A method for facilitating tracking success of a control protocol data unit transmission, comprising:
authenticating (906) the control protocol data unit;
producing a notice (908) for a module that sends the control protocol data unit to reset a counter upon successful authentication of the control protocol data unit;
transferring (910) the notice to the module;
checking (810) at the module if the transmission was successful, wherein checking (810) includes receiving the notice and evaluating the received notice; if the transmission was successful resetting (812) the counter; and if the transmission was not successful comparing (814) the counter to a threshold after incrementing to determine (816) whether a reset should take place; if resetting did not occur retransmitting (820) information from the module.

2. The method of claim 1, further comprising collecting (902) the control protocol data unit.

3. The method of claim 2, further comprising extracting (904) identification data from the collected control protocol data unit, the identification data is used in transferring (910) the notice to the module.

4. A wireless communications system, comprising:
means for authenticating a control protocol data unit; and
means for producing a notice for a module that sends the control protocol data unit to reset a counter upon successful authentication of the control protocol data unit;
means for transferring the notice to the module; and
checking at the module if the transmission was successful, wherein checking includes receiving the notice and evaluating the received notice; if the transmission was successful resetting the counter; and

if the transmission was not successful comparing the counter to a threshold after incrementing to determine whether a reset should take place; if resetting did not occur retransmitting information from the module.

5. The system of claim 4, further comprising means for collecting the control protocol data unit.

6. The system of claim 5, further comprising means for extracting identification data from the collected control protocol data unit, the identification data is used in transferring the notice to the module.

7. A machine-readable medium having stored thereon machine-executable instructions for performing a method according to one of the claims 1 to 3 when executed on a computer.