CLAIMS

1. A telecommunications system comprising:

a processor; and

a memory device that stores a plurality of instructions, which when executed by the processor, causes the processor to:

receive a request from a telephony switch to terminate a call, the call including a plurality of call attributes;

analyze the call to determine if one of the plurality of attributes associated with the call is on a blacklist;

if at least one attribute associated with the call is on a blacklist, flag the call as fraudulent;

analyze the flagged call to determine if the at least one attribute associated with the call is on a whitelist;

if the at least one attribute associated with the call is not on the whitelist, generate a rejection message;

if the at least one attribute associated with the call is on the whitelist, generate a second rejection message;

receive a message indicating that the at least one attribute associated with the call should be added to the whitelist;

add the at least one attribute associated with the call to the whitelist to update the whitelist;

generate new entries on the whitelist based on the received message to further update the whitelist; and

apply the updated whitelist to future calls.

2. The telecommunications system of claim 1, wherein the plurality of call attributes further includes at least a calling party number and a called party number.

3. A method comprising:

receiving, at a processor, a request from a telephony switch to terminate a call, the call including a plurality of call attributes;

analyzing, with the processor, the call to determine if one of the plurality of attributes associated with the call is on a blacklist;

if at least one attribute associated with the call is on a blacklist, flagging, with the processor, the call as fraudulent;

analyzing, with the processor, the flagged call to determine if the at least one attribute associated with the call is on a whitelist;

if the at least one attribute associated with the call is not on the whitelist, generating, with the processor, a rejection message;

if the at least one attribute associated with the call is on the whitelist, further generating, with the processor, a second rejection message;

receiving, with the processor, a message indicating that the at least one attribute associated with the call should be added to the whitelist;

adding, with the processor to a memory device, the at least one attribute associated with the call to the whitelist to update the whitelist;

generating, with the processor, new entries on the whitelist based on the received message to further update the whitelist; and

applying, with the processor, the updated whitelist to future calls.

4. The method of claim 3, wherein the plurality of call attributes further includes at least a calling party number and a called party number.

5. The telecommunications system of claim 1, wherein the plurality of call attributes further includes unallocated numbers.

6. The telecommunications system of claim 1, wherein the plurality of call attributes further includes numbers from high cost destinations.

7. The telecommunications system of claim 1, wherein the plurality of call attributes further includes numbers from out-of-region surcharge calls.

8. The telecommunications system of claim 1, wherein the request to terminate the call is from a VoIP network.

9. The telecommunications system of claim 1, wherein the request to terminate the call is from a PSTN network.

10. The telecommunications system of claim 1, wherein the second rejection message causes the call to be terminated.

11. The telecommunications system of claim 1, wherein the second rejection message is an ITU rejection cause code.

12. The telecommunications system of claim 1, wherein the second rejection message is a SIP rejection cause code.

13. The telecommunications system of claim 1, wherein the request to terminate the call is received by the processor outside of the call termination path.

14. The method of claim 3, wherein the plurality of call attributes further includes unallocated numbers.

15. The method of claim 3, wherein the plurality of call attributes further includes numbers from high cost destinations.

16. The method of claim 3, wherein the plurality of call attributes further includes numbers from out-of-region surcharge calls.

17. The method of claim 3, wherein the request to terminate the call is from a VoIP network.

18. The method of claim 3, wherein the request to terminate the call is from a PSTN network.