

Claims**PCT Serial No. PCT/GB2010/000834****PATENT****RIM Ref. No. 35481WOPCT****REPLACEMENT SHEET**

1. A method to discover authentication requirements in a wireless network, the method comprising:
transmitting, during network discovery, a Generic Advertisement Services (GAS) request to a network access point, the GAS request requesting authentication information, the authentication information being indicative of a credential required from a wireless terminal; and
receiving a response to the GAS request from the network access point, wherein the response includes the authentication information.
2. The method of claim 1, wherein the credential is obtainable by the wireless terminal.
3. The method of claim 1, wherein the response is received by the wireless terminal at a media access layer.
4. The method of claim 1, wherein the credential is locally stored in the wireless terminal.
5. The method of claim 1 further comprising sending the credential to the network access point,
6. The method of claim 1, wherein the response includes second authentication information.

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7. The method of claim 1, further comprising:
determining that the credential is located in the wireless terminal; and
displaying a service identifier based on the credential being located in the wireless terminal.

8. The method of claim 1, wherein the credential is indicative of a subscriber identity module card credential.

9. The method of claim 1, wherein the wireless terminal is a mobile communication device.

10. The method of claim 1, wherein the credential is selected by a subscription service provider to allow access to a subscription service provider network communicatively coupled to the network access point.

11. The method of claim 1, wherein the authentication information is further indicative of an extensible authentication protocol method.

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12. An apparatus to discover authentication requirements in a wireless network, the apparatus comprising:
a processor configured to:
transmit, during network discovery, a Generic Advertisement Services (GAS) request to a network access point, the GAS request requesting authentication information, the authentication information being indicative of a credential required from a wireless terminal; and
receive a response to the GAS request from the network access point, wherein the response includes the authentication information.

13. The apparatus of claim 12, wherein the credential is obtainable by the wireless terminal.

14. The apparatus of claim 12, wherein the response is received by the wireless terminal at a media access layer.

15. The apparatus of claim 12, wherein the processor is further configured to send the credential to the network access point.

16. The apparatus of claim 12, wherein the credential is locally stored in the wireless terminal.

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17. The apparatus of claim 12, wherein the response includes second authentication information.
18. The apparatus of claim 12, wherein the processor is further configured to:
determine that the credential is located in the wireless terminal; and
display a service identifier based on the credential being located in the wireless terminal.
19. The apparatus of claim 12, wherein the credential is indicative of a subscriber identity module card credential.
20. The apparatus of claim 12, wherein the credential is selected by a subscription service provider to allow access to a subscription service provider network communicatively coupled to the network access point.
21. The apparatus of claim 12, wherein the authentication information is further indicative of an extensible authentication protocol method.

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22. A method to discover authentication information in a wireless network, the method comprising:

transmitting, during network discovery, a Generic Advertisement Services (GAS) request message to a network access point requesting identifiers indicative of authentication information required by the network access point to authenticate a wireless terminal; and

retrieving at least one authentication requirement identifier from a response message transmitted by the network access point, wherein the at least one authentication requirement identifier is indicative of a credential obtainable using operations performed by the wireless terminal at a media access control layer without providing access to an internet protocol layer to retrieve the credential.

23. A method as defined in claim 22, further comprising providing the credential to the network access point in response to determining that the credential is located in the wireless terminal.

24. A method as defined in claim 22, further comprising refraining from displaying a service identifier of the network access point when the credential is not located in the wireless terminal.

25. A method as defined in claim 22, wherein the credential is a subscriber identity module card credential.

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26. A method as defined in claim 22, wherein the response message includes a second authentication requirement identifier.

27. A method as defined in claim 22, wherein the GAS request message is further operable to request second identifiers indicative of second authentication information required by the network access point, wherein the second authentication information is indicative of at least a second credential obtainable using a process that accesses the internet protocol layer.

28. A method as defined in claim 22, further comprising transmitting the GAS request message in response to determining that the network access point requires an authentication process to authenticate the wireless terminal.

29. A method as defined in claim 22, wherein the wireless terminal is a mobile communication device.

30. A method as defined in claim 22, wherein the authentication information required by the network access point is selected by a subscription service provider to allow access to a subscription service provider network communicatively coupled to the network access point.

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31. A method as defined in claim 22, further comprising retrieving at least a second authentication requirement identifier from the response message transmitted by the network access point, wherein the at least the second authentication requirement identifier is indicative of an extensible authentication protocol method used by the network access point to receive the credential from the wireless terminal.

32. An apparatus to discover authentication information in a wireless network, the apparatus comprising:

a processor;

a memory coupled to the processor and having instructions stored thereon that, when executed, cause the processor to:

transmit, during network discovery, a Generic Advertisement Services (GAS) request message to a network access point requesting identifiers indicative of authentication information required by the network access point to authenticate a wireless terminal; and

retrieve at least one authentication requirement identifier from a response message transmitted by the network access point, wherein the at least one authentication requirement identifier is indicative of a credential obtainable using operations performed by the wireless terminal at a media access control layer without providing access to an internet protocol layer to retrieve the credential.

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33. An apparatus as defined in claim 32, wherein the instructions stored on the memory, when executed, further cause the processor to provide the credential to the network access point in response to determining that the credential is located in the wireless terminal.

34. An apparatus as defined in claim 32, wherein the instructions stored on the memory, when executed, further cause the processor to refrain from displaying a service identifier of the network access point when the credential is not located in the wireless terminal.

35. An apparatus as defined in claim 32, wherein the credential is a subscriber identity module card credential.

36. An apparatus as defined in claim 32, wherein the response message includes a second authentication requirement identifier.

37. An apparatus as defined in claim 32, wherein the GAS request message is further operable to request second identifiers indicative of second authentication information required by the network access point, wherein the second authentication information is indicative of at least a second credential obtainable using a process that accesses the internet protocol layer.

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38. An apparatus as defined in claim 32, wherein the instructions stored on the memory, when executed, further cause the processor to transmit the GAS request message in response to determining that the network access point requires an authentication process to authenticate the wireless terminal.

39. An apparatus as defined in claim 32, wherein the wireless terminal is a mobile communication device.

40. An apparatus as defined in claim 32, wherein the authentication information required by the network access point is selected by a subscription service provider to allow access to a subscription service provider network communicatively coupled to the network access point.

41. An apparatus as defined in claim 32, wherein the instructions stored on the memory, when executed, further cause the processor to retrieve at least a second authentication requirement identifier from the response message transmitted by the network access point, wherein the at least the second authentication requirement identifier is indicative of an extensible authentication protocol method used by the network access point to receive the credential from the wireless terminal.

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42. A computer readable medium having instructions stored thereon that, when executed, cause a machine to:

transmit, during network discovery, a Generic Advertisement Services (GAS) request message to a network access point requesting identifiers indicative of authentication information required by the network access point to authenticate a wireless terminal; and

retrieve at least one authentication requirement identifier from a response message transmitted by the network access point, wherein the at least one authentication requirement identifier is indicative of a credential obtainable using operations performed by the wireless terminal at a media access control layer without providing access to an internet protocol layer to retrieve the credential.

43. A computer readable medium as defined in claim 42 having instructions stored thereon that, when executed, cause the machine to provide the credential to the network access point in response to determining that the credential is located in the wireless terminal.

44. A computer readable medium as defined in claim 42 having instructions stored thereon that, when executed, cause the machine to refrain from displaying a service identifier of the network access point when the credential is not located in the wireless terminal.

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45. A computer readable medium as defined in claim 42, wherein the credential is a subscriber identity module card credential.
46. A computer readable medium as defined in claim 42, wherein the response message includes second authentication information.
47. A computer readable medium as defined in claim 42, wherein the GAS request message is further operable to request second identifiers indicative of second authentication information required by the network access point, wherein the second authentication information is indicative of at least a second credential obtainable using a process that accesses the internet protocol layer.
48. A computer readable medium as defined in claim 42 having instructions stored thereon that, when executed, cause the machine to transmit the GAS request message in response to determining that the network access point requires an authentication process to authenticate the wireless terminal.
49. A computer readable medium as defined in claim 42, wherein the wireless terminal is a mobile communication device.

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50. A computer readable medium as defined in claim 42, wherein the authentication information required by the network access point is selected by a subscription service provider to allow access to a subscription service provider network communicatively coupled to the network access point.

51. A computer readable medium as defined in claim 42 having instructions stored thereon that, when executed, cause the machine to retrieve at least a second authentication requirement identifier from the response message transmitted by the network access point, wherein the at least the second authentication requirement identifier is indicative of an extensible authentication protocol method used by the network access point to receive the credential from the wireless terminal.

52. A method to discover authentication information in a wireless network, the method comprising:

receiving, during network discovery, a Generic Advertisement Services (GAS) request message from a wireless terminal requesting identifiers indicative of authentication information required by a network access point to authenticate the wireless terminal; and

inserting at least one authentication requirement identifier from an authentication information data structure in a response message, wherein the at least one authentication requirement identifier is indicative of a credential obtainable using operations performed by the wireless terminal at a media access control layer without providing access to an internet protocol layer to retrieve the credential.

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53. A method as defined in claim 52, wherein the credential is a subscriber identity module card credential.
54. A method as defined in claim 52, further comprising inserting a second authentication requirement identifier in the response message.
55. A method as defined in claim 52, wherein the GAS request message is further operable to request second identifiers indicative of second authentication information required by the network access point, wherein the second authentication information is indicative of at least a second credential obtainable using a process that accesses the internet protocol layer.
56. A method as defined in claim 52, wherein the wireless terminal is a mobile communication device.
57. A method as defined in claim 52, wherein the authentication information required by the network access point is selected by a subscription service provider to allow access to a subscription service provider network communicatively coupled to the network access point.

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58. A method as defined in claim 52, further comprising inserting at least a second authentication requirement identifier from the authentication information data structure in the response message, wherein the at least the second authentication requirement identifier is indicative of an extensible authentication protocol method used by the network access point to receive the credential from the wireless terminal.

59. An apparatus to discover authentication information in a wireless network, the apparatus comprising:

a processor;

a memory coupled to the processor and having instructions stored thereon that, when executed, cause the processor to:

receive, during network discovery, a Generic Advertisement Services (GAS) request message from a wireless terminal requesting identifiers indicative of authentication information required by a network access point to authenticate the wireless terminal; and

insert at least one authentication requirement identifier from an authentication information data structure in a response message, wherein the at least one authentication requirement identifier is indicative of a credential obtainable using operations performed by the wireless terminal at a media access control layer without providing access to an internet protocol layer to retrieve the credential.

60. An apparatus as defined in claim 59, wherein the credential is a subscriber identity module card credential.

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61. An apparatus as defined in claim 59, wherein the instructions stored on the memory, when executed, further cause the processor to insert a second authentication requirement identifier in the response message.

62. An apparatus as defined in claim 59, wherein the GAS request message is further operable to request second identifiers indicative of second authentication information required by the network access point, wherein the second authentication information is indicative of at least a second credential obtainable using a process that accesses the internet protocol layer.

63. An apparatus as defined in claim 59, wherein the wireless terminal is a mobile communication device.

64. An apparatus as defined in claim 59, wherein the authentication information required by the network access point is selected by a subscription service provider to allow access to a subscription service provider network communicatively coupled to the network access point.

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65. An apparatus as defined in claim 59, wherein the instructions stored on the memory, when executed, further cause the processor to insert at least a second authentication requirement identifier from the authentication information data structure in the response message, wherein the at least the second authentication requirement identifier is indicative of an extensible authentication protocol method used by the network access point to receive the credential from the wireless terminal.

66. A computer readable medium having instructions stored thereon that, when executed, cause a machine to:

receive, during network discovery, a Generic Advertisement Services (GAS) request message from a wireless terminal requesting identifiers indicative of authentication information required by a network access point to authenticate the wireless terminal; and

insert at least one authentication requirement identifier from an authentication information data structure in a response message, wherein the at least one authentication requirement identifier is indicative of a credential obtainable using operations performed by the wireless terminal at a media access control layer without providing access to an internet protocol layer to retrieve the credential.

67. A computer readable medium as defined in claim 66, wherein the credential is a subscriber identity module card credential.

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68. A computer readable medium as defined in claim 66 having instructions stored thereon that, when executed, cause the machine to insert a second authentication requirement identifier in the response message.

69. A computer readable medium as defined in claim 66, wherein the GAS request message is further operable to request second identifiers indicative of second authentication information required by the network access point, wherein the second authentication information is indicative of at least a second credential obtainable using a process that accesses the internet protocol layer.

70. A computer readable medium as defined in claim 66, wherein the wireless terminal is a mobile communication device.

71. A computer readable medium as defined in claim 66, wherein the authentication information required by the network access point is selected by a subscription service provider to allow access to a subscription service provider network communicatively coupled to the network access point.

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72. A computer readable medium as defined in claim 66 having instructions stored thereon that, when executed, cause the machine to insert at least a second authentication requirement identifier from the authentication information data structure in the response message, wherein the at least the second authentication requirement identifier is indicative of an extensible authentication protocol method used by the network access point to receive the credential from the wireless terminal.

What is claimed is:

1. A method to discover authentication requirements in a wireless network, the method comprising:

transmitting, during network discovery and prior to authentication, a Generic Advertisement Services (GAS) request to a network access point, the GAS request requesting authentication information, the authentication information being indicative of a credential required from a wireless terminal to use for authentication of the wireless terminal; and

receiving a response to the GAS request from the network access point, wherein the response includes the authentication information.

2. The method of claim 1, wherein the credential is obtainable by the wireless terminal.

3. The method of claim 1, wherein the response is received by the wireless terminal at a media access layer.

4. The method of claim 1, wherein the credential is locally stored in the wireless terminal.

5. The method of claim 1 further comprising sending the credential to the network access point.

6. The method of claim 1, wherein the response includes second authentication information.

7. The method of claim 1, further comprising:

determining that the credential is located in the wireless terminal; and

displaying a service identifier based on the credential being located in the wireless terminal.

8. The method of claim 1, wherein the credential is indicative of a subscriber identity module card credential.

9. The method of claim 1, wherein the wireless terminal is a mobile communication device.

10. The method of claim 1, wherein the credential is selected by a subscription service provider to allow access to a subscription service provider network communicatively coupled to the network access point.

11. The method of claim 1, wherein the authentication information is further indicative of an extensible authentication protocol method.

12. An apparatus to discover authentication requirements in a wireless network, the apparatus comprising:

a processor configured to:

transmit, during network discovery and prior to authentication, a Generic Advertisement Services (GAS) request to a network access point, the GAS request requesting authentication information, the authentication information being indicative of a credential required from a wireless terminal to use for authentication of the wireless terminal; and

receive a response to the GAS request from the network access point, wherein the response includes the authentication information.

13. The apparatus of claim 12, wherein the credential is obtainable by the wireless terminal.

14. The apparatus of claim 12, wherein the response is received by the wireless terminal at a media access layer.

15. The apparatus of claim 12, wherein the processor is further configured to send the credential to the network access point.

16. The apparatus of claim 12, wherein the credential is locally stored in the wireless terminal.

17. The apparatus of claim 12, wherein the response includes second authentication information.

18. The apparatus of claim 12, wherein the processor is further configured to:

determine that the credential is located in the wireless terminal; and

display a service identifier based on the credential being located in the wireless terminal.

19. The apparatus of claim 12, wherein the credential is indicative of a subscriber identity module card credential.

20. The apparatus of claim 12, wherein the credential is selected by a subscription service provider to allow access to a subscription service provider network communicatively coupled to the network access point.

21. The apparatus of claim 12, wherein the authentication information is further indicative of an extensible authentication protocol method.

22. A method to discover authentication information in a wireless network, the method comprising:

transmitting, during network discovery and prior to authentication, a Generic Advertisement Services (GAS) request message to a network access point requesting identifiers indicative of authentication information required by the network access point to authenticate a wireless terminal; and

retrieving at least one authentication requirement identifier from a response message transmitted by the network access point, wherein the at least one authentication requirement identifier is indicative of a credential obtainable using operations performed by the wireless terminal at a media access control layer without providing access to an internet protocol layer to retrieve the credential.

23. A method as defined in claim 22, further comprising providing the credential to the network access point in response to determining that the credential is located in the wireless terminal.

24. A method as defined in claim 22, further comprising refraining from displaying a service identifier of the network access point when the credential is not located in the wireless terminal.

25. A method as defined in claim 22, wherein the credential is a subscriber identity module card credential.

26. A method as defined in claim 22, wherein the response message includes a second authentication requirement identifier.

27. A method as defined in claim 22, wherein the GAS request message is further operable to request second identifiers indicative of second authentication information required by the network access point, wherein the second authentication information is indicative of at least a second credential obtainable using a process that accesses the internet protocol layer.

28. A method as defined in claim 22, further comprising transmitting the GAS request message in response to determining that the network access point requires an authentication process to authenticate the wireless terminal.

29. A method as defined in claim 22, wherein the wireless terminal is a mobile communication device.

30. A method as defined in claim 22, wherein the authentication information required by the network access point is selected by a subscription service provider to allow access to a subscription

service provider network communicatively coupled to the network access point.

31. A method as defined in claim 22, further comprising retrieving at least a second authentication requirement identifier from the response message transmitted by the network access point, wherein the at least the second authentication requirement identifier is indicative of an extensible authentication protocol method used by the network access point to receive the credential from the wireless terminal.

32. An apparatus to discover authentication information in a wireless network, the apparatus comprising:

a processor;

a memory coupled to the processor and having instructions stored thereon that, when executed, cause the processor to:

transmit, during network discovery and prior to authentication, a Generic Advertisement Services (GAS) request message to a network access point requesting identifiers indicative of authentication information required by the network access point to authenticate a wireless terminal; and

retrieve at least one authentication requirement identifier from a response message transmitted by the network access point, wherein the at least one authentication requirement identifier is indicative of a credential obtainable using operations performed by the wireless terminal at a media access control layer without providing access to an internet protocol layer to retrieve the credential.

33. An apparatus as defined in claim 32, wherein the instructions stored on the memory, when executed, further cause the processor to provide the credential to the network access point in response to determining that the credential is located in the wireless terminal.

34. An apparatus as defined in claim 32, wherein the instructions stored on the memory, when executed, further cause

the processor to refrain from displaying a service identifier of the network access point when the credential is not located in the wireless terminal.

35. An apparatus as defined in claim 32, wherein the credential is a subscriber identity module card credential.

36. An apparatus as defined in claim 32, wherein the response message includes a second authentication requirement identifier.

37. An apparatus as defined in claim 32, wherein the GAS request message is further operable to request second identifiers indicative of second authentication information required by the network access point, wherein the second authentication information is indicative of at least a second credential obtainable using a process that accesses the internet protocol layer.

38. An apparatus as defined in claim 32, wherein the instructions stored on the memory, when executed, further cause the processor to transmit the GAS request message in response to determining that the network access point requires an authentication process to authenticate the wireless terminal.

39. An apparatus as defined in claim 32, wherein the wireless terminal is a mobile communication device.

40. An apparatus as defined in claim 32, wherein the authentication information required by the network access point is selected by a subscription service provider to allow access to a subscription service provider network communicatively coupled to the network access point.

41. An apparatus as defined in claim 32, wherein the instructions stored on the memory, when executed, further cause the processor to retrieve at least a second authentication requirement identifier from the response message transmitted by

the network access point, wherein the at least the second authentication requirement identifier is indicative of an extensible authentication protocol method used by the network access point to receive the credential from the wireless terminal.

42. A computer readable medium having instructions stored thereon that, when executed, cause a machine to:

transmit, during network discovery and prior to authentication, a Generic Advertisement Services (GAS) request message to a network access point requesting identifiers indicative of authentication information required by the network access point to authenticate a wireless terminal; and

retrieve at least one authentication requirement identifier from a response message transmitted by the network access point, wherein the at least one authentication requirement identifier is indicative of a credential obtainable using operations performed by the wireless terminal at a media access control layer without providing access to an internet protocol layer to retrieve the credential.

43. A computer readable medium as defined in claim 42 having instructions stored thereon that, when executed, cause the machine to provide the credential to the network access point in response to determining that the credential is located in the wireless terminal.

44. A computer readable medium as defined in claim 42 having instructions stored thereon that, when executed, cause the machine to refrain from displaying a service identifier of the network access point when the credential is not located in the wireless terminal.

45. A computer readable medium as defined in claim 42, wherein the credential is a subscriber identity module card credential.

46. A computer readable medium as defined in claim 42, wherein the response message includes second authentication information.

47. A computer readable medium as defined in claim 42, wherein the GAS request message is further operable to request second identifiers indicative of second authentication information required by the network access point, wherein the second authentication information is indicative of at least a second credential obtainable using a process that accesses the internet protocol layer.

48. A computer readable medium as defined in claim 42 having instructions stored thereon that, when executed, cause the machine to transmit the GAS request message in response to determining that the network access point requires an authentication process to authenticate the wireless terminal.

49. A computer readable medium as defined in claim 42, wherein the wireless terminal is a mobile communication device.

50. A computer readable medium as defined in claim 42, wherein the authentication information required by the network access point is selected by a subscription service provider to allow access to a subscription service provider network communicatively coupled to the network access point.

51. A computer readable medium as defined in claim 42 having instructions stored thereon that, when executed, cause the machine to retrieve at least a second authentication requirement identifier from the response message transmitted by the network access point, wherein the at least the second authentication requirement identifier is indicative of an extensible authentication protocol method used by the network access point to receive the credential from the wireless terminal.

52. A method to discover authentication information in a wireless network, the method comprising:

receiving, during network discovery and prior to authentication, a Generic Advertisement Services (GAS) request

message from a wireless terminal requesting identifiers indicative of authentication information required by a network access point to authenticate the wireless terminal; and

inserting at least one authentication requirement identifier from an authentication information data structure in a response message, wherein the at least one authentication requirement identifier is indicative of a credential obtainable using operations performed by the wireless terminal at a media access control layer without providing access to an internet protocol layer to retrieve the credential.

53. A method as defined in claim 52, wherein the credential is a subscriber identity module card credential.

54. A method as defined in claim 52, further comprising inserting a second authentication requirement identifier in the response message.

55. A method as defined in claim 52, wherein the GAS request message is further operable to request second identifiers indicative of second authentication information required by the network access point, wherein the second authentication information is indicative of at least a second credential obtainable using a process that accesses the internet protocol layer.

56. A method as defined in claim 52, wherein the wireless terminal is a mobile communication device.

57. A method as defined in claim 52, wherein the authentication information required by the network access point is selected by a subscription service provider to allow access to a subscription service provider network communicatively coupled to the network access point.

58. A method as defined in claim 52, further comprising inserting at least a second authentication requirement identifier

from the authentication information data structure in the response message, wherein the at least the second authentication requirement identifier is indicative of an extensible authentication protocol method used by the network access point to receive the credential from the wireless terminal.

59. An apparatus to discover authentication information in a wireless network, the apparatus comprising:

a processor;

a memory coupled to the processor and having instructions stored thereon that, when executed, cause the processor to:

receive, during network discovery and prior to authentication, a Generic Advertisement Services (GAS) request message from a wireless terminal requesting identifiers indicative of authentication information required by a network access point to authenticate the wireless terminal; and

insert at least one authentication requirement identifier from an authentication information data structure in a response message, wherein the at least one authentication requirement identifier is indicative of a credential obtainable using operations performed by the wireless terminal at a media access control layer without providing access to an internet protocol layer to retrieve the credential.

60. An apparatus as defined in claim 59, wherein the credential is a subscriber identity module card credential.

61. An apparatus as defined in claim 59, wherein the instructions stored on the memory, when executed, further cause the processor to insert a second authentication requirement identifier in the response message.

62. An apparatus as defined in claim 59, wherein the GAS request message is further operable to request second identifiers indicative of second authentication information required by the network access point, wherein the second authentication information is indicative of at least a second credential

obtainable using a process that accesses the internet protocol layer.

63. An apparatus as defined in claim 59, wherein the wireless terminal is a mobile communication device.

64. An apparatus as defined in claim 59, wherein the authentication information required by the network access point is selected by a subscription service provider to allow access to a subscription service provider network communicatively coupled to the network access point.

65. An apparatus as defined in claim 59, wherein the instructions stored on the memory, when executed, further cause the processor to insert at least a second authentication requirement identifier from the authentication information data structure in the response message, wherein the at least the second authentication requirement identifier is indicative of an extensible authentication protocol method used by the network access point to receive the credential from the wireless terminal.

66. A computer readable medium having instructions stored thereon that, when executed, cause a machine to:

receive, during network discovery and prior to authentication, a Generic Advertisement Services (GAS) request message from a wireless terminal requesting identifiers indicative of authentication information required by a network access point to authenticate the wireless terminal; and

insert at least one authentication requirement identifier from an authentication information data structure in a response message, wherein the at least one authentication requirement identifier is indicative of a credential obtainable using operations performed by the wireless terminal at a media access control layer without providing access to an internet protocol layer to retrieve the credential.

67. A computer readable medium as defined in claim 66, wherein the credential is a subscriber identity module card credential.

68. A computer readable medium as defined in claim 66 having instructions stored thereon that, when executed, cause the machine to insert a second authentication requirement identifier in the response message.

69. A computer readable medium as defined in claim 66, wherein the GAS request message is further operable to request second identifiers indicative of second authentication information required by the network access point, wherein the second authentication information is indicative of at least a second credential obtainable using a process that accesses the internet protocol layer.

70. A computer readable medium as defined in claim 66, wherein the wireless terminal is a mobile communication device.

71. A computer readable medium as defined in claim 66, wherein the authentication information required by the network access point is selected by a subscription service provider to allow access to a subscription service provider network communicatively coupled to the network access point.

72. A computer readable medium as defined in claim 66 having instructions stored thereon that, when executed, cause the machine to insert at least a second authentication requirement identifier from the authentication information data structure in the response message, wherein the at least the second authentication requirement identifier is indicative of an extensible authentication protocol method used by the network access point to receive the credential from the wireless terminal.