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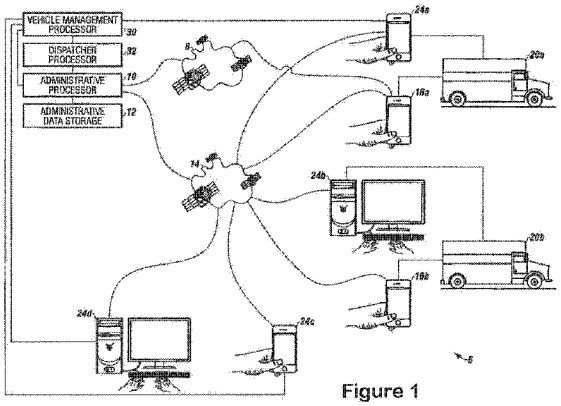


Figure 1

(57) Abstract: Fleet management methods and systems are disclosed having a plurality of processors and data storage in network communication that use a vehicle maintenance tracker for at least one vehicle and performing a vehicle inspection thereon using an inspection device to identify services needed on the vehicle. The vehicle inspection may provide verification of services needed to the vehicle maintenance tracker and generate at least one of: vehicle repair information prioritized by importance of services, a schedule for vehicle service prioritized by importance of services needed, and a vehicle return to service date based on a schedule for vehicle service prioritized by importance of services needed. Further disclosed is a device for conditional, proximity- based authorization for the use of equipment as well as a system for automated inspection and maintenance of an asset. The mobile asset management module may receive information from the client and determine service requirements for the asset.

WO 2016/123303 A4

AMENDED CLAIMS
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1. A fleet management system for at least one vehicle, wherein the fleet management system comprises:

a. at least one inspection device connected to a network, wherein the at least one inspection device is configured to:

(i) transmit a vehicle identification; or

(ii) transmit vehicle inspection information;

b. an administrative processor with an administrative data storage connected to the network, wherein the administrative data storage is configured to receive the vehicle identification or the vehicle inspection information into a vehicle maintenance tracker, wherein the administrative data storage comprises at least one safety class and at least two of a plurality of computer instructions to instruct the administrative processor to:

(i) transmit the at least one safety class to the at least one inspection device;

(ii) record progress and completion of the at least one safety class by a driver in the administrative data storage;

(iii) transmit the at least one safety class to at least one customer client device of a dispatcher, a safety manager, or an employee; or

(iv) record progress and completion of the at least one safety class by the dispatcher, the safety manager, or the employee of the company with drivers and/or vehicles in the administrative data storage; and

c. at least one mechanic device connected to the network, wherein the at least one mechanic device is configured to automatically receive the vehicle identification or the vehicle inspection information; and

wherein the vehicle maintenance tracker is accessible by at least one of: the at least one inspection device and the at least one mechanic device in real-time.

2. The fleet management system of claim 1, wherein the at least one mechanic device is configured to transmit to the vehicle maintenance tracker at least one of:

a. an acknowledgement;

b. mechanic inspection information;

c. vehicle repair information;

d. a schedule for vehicle service;

e. a vehicle in service date;

f. a vehicle out of service status; and

g. a vehicle return to service date.

3. The fleet management system of claim 1, wherein the vehicle maintenance tracker is stored in the at least one inspection device or accessed by the at least one inspection device.

4. The fleet management system of claim 1, wherein the at least one mechanic device contains a mechanic repair initiation date and a vehicle return to service date.

5. The fleet management system of claim 4, wherein the at least one mechanic device contains computer instructions to generate and transmit or display a mechanic generated alert.

6. The fleet management system of claim 1, wherein the administrative data storage comprises: an accident tracker, a driver fuel usage tracker, a vehicle mileage tracker, a driver log book, a vehicle trip status, document storage, or combinations thereof.

7. The fleet management system of claim 1, wherein the vehicle maintenance tracker comprises a pre-trip inspection, wherein the pre-trip inspection includes at least one of: a pre-trip time stamp, a pre-trip list of inspection points, a pre-trip stored list of repair requests, a pre-trip alert for needed repairs based on the stored list of repair requests, a pre-trip vehicle out of service date, and a pre-trip alert that the at least one vehicle is repaired and ready for service.

8. The fleet management system of claim 1, wherein the vehicle maintenance tracker comprises a roadside inspection, wherein the roadside inspection includes at least one of: a roadside time stamp, a roadside list of inspection points, a roadside stored list of repair requests, a roadside alert for needed repairs based on the stored list of

repair requests, a roadside vehicle out of service date, and a roadside alert that the at least one vehicle is repaired and ready for service.

9. The fleet management system of claim 1, wherein the vehicle maintenance tracker comprises a post-trip inspection, wherein the post-trip inspection includes at least one of: a post-trip time stamp, a post-trip list of inspection points, a post-trip stored list of repair requests, a post-trip alert for needed repairs based on the stored list of repair requests, a post-trip vehicle out of service date, and a post-trip alert that the at least one vehicle is repaired and ready for service.

10. The fleet management system of claim 1, wherein the at least one inspection device, the at least one mechanic device and the administrative processor communicate with at least one display.

11. The fleet management system of claim 1, wherein the vehicle maintenance tracker generates and transmits or displays at least one of: an alert that the schedule of repairs will not be met, an alert when the at least one vehicle is repaired and ready for service, or a vehicle return to service date.

12. The fleet management system of claim 1, comprises at least one customer client device in communication with the network and the administrative processor, the at least one customer client device comprising or accessing the vehicle maintenance tracker and at least one of: an accident tracker, a driver fuel usage tracker, a vehicle mileage tracker, a driver log book, a vehicle trip status, and document storage.

13. The fleet management system of claim 12, wherein the at least one customer client device includes at least one of: a pre-trip alert for needed repairs based on the stored list of repair requests, a roadside alert for needed repairs based on the stored list of repair requests, a post-trip alert for needed repairs based on the stored list of repair requests, an ad-hoc alert for needed repairs based on the stored list of repair requests, a mechanic identification, a mechanic inspection initiation, a schedule of

repairs by a mechanic, a projected vehicle return to service date, a mechanic repair initiation, and an alert that the schedule of repairs will not be met.

14. The fleet management system of claim 1, further comprising a dispatcher processor in communication with both the administrative processor and a dispatcher data storage, the dispatcher data storage comprising:

a. the vehicle identification;

b. a driver identification; and

c. at least one of:

(i) a pre-trip alert for needed repairs based on the stored list of repair requests;

(ii) a roadside alert for needed repairs based on the stored list of repair requests

(iii) a post-trip alert for needed repairs based on the stored list of repair requests;

(iv) an ad-hoc alert for needed repairs based on the stored list of repair requests;

(v) a pre-trip alert that the at least one vehicle is repaired and ready for service;

(vi) a roadside alert that the at least one vehicle is repaired and ready for service;

(vii) a post-trip alert that the at least one vehicle is repaired and ready for service;

(viii) an ad-hoc trip alert that the at least one vehicle is repaired and ready for service and

(ix) a vehicle return to service date.

15. The fleet management system of claim 6, wherein the driver log book is stored in at least one of: the administrative data storage and the at least one inspection device, the driver log book configured to:

(i) automatically update as a driver of the at least one vehicle of the fleet management system changes work status; and

(ii) automatically convert the work status of the driver to a log book status and store the log book status; and

wherein the at least one inspection device is configured to record a location and time of work status change, and further wherein the at least one vehicle of the fleet management system automatically communicates using the network, indicating a vehicle trip status which is recorded in the driver log book.

16. The fleet management system of claim 1, wherein the at least one inspection device has an inspection data storage with computer instructions to instruct an inspection processor to transmit a location of the at least one inspection device and compare the transmitted location to a global positioning system using either the administrative processor or the at least one inspection device, wherein compared location information is then transmitted to the at least one inspection device, the administrative data storage, or combinations thereof.

17. The fleet management system of claim 16, further comprising computer instructions in the administrative data storage instructing the administrative processor to record a traveled distance and a location of the at least one vehicle, wherein the traveled distance and the location are used to calculate a traveled distance for a jurisdiction.

18. The fleet management system of claim 17, wherein the jurisdiction is a defined geographic area.

19. (Cancelled).

20. The fleet management system of claim 1, further comprising an application program interface allowing a computer program to access data from the administrative data storage.

21. A method for fleet management for at least one vehicle, the method for fleet management comprising:

a. forming a vehicle maintenance tracker for the at least one vehicle and storing the vehicle maintenance tracker in an administrative data storage;

b. performing a vehicle inspection on the at least one vehicle using an inspection device connected to a network to form vehicle inspection information;

c. transferring the vehicle inspection information from the inspection device to the vehicle maintenance tracker;

d. transferring the vehicle inspection information to a mechanic for verification of services needed on the at least one vehicle;

e. providing to the vehicle maintenance tracker from the mechanic at least one of:

(i) an acknowledgment;

(ii) mechanic inspection information;

(iii) vehicle repair information;

(iv) a schedule for vehicle service;

(v) a vehicle in service date;

(vi) a vehicle out of service status; and

(vii) a vehicle return to service date based on the schedule for vehicle service;

f. transmitting at least one safety class to an inspection device;

g transmitting at least one safety class to a driver, a dispatcher, a safety manager, or an employee; and

h. recording progress and completion of the at least one safety class by the driver, the dispatcher, the safety manager, or the employee.

22. The method for fleet management of claim 21, wherein performing the vehicle inspection further comprises identifying services deeded on the at least one vehicle using the vehicle inspection information.

23. The method for fleet management of claim 21, wherein the vehicle repair information is prioritized by importance of services needed on the at least one vehicle, wherein the prioritization is determined by at least one of: a driver, a mechanic or a predetermined priority order of importance for services needed on the at least one vehicle stored in the administrative data storage.

24. The method for fleet management of claim 21, wherein the schedule for vehicle service is prioritized by importance of services needed on the at least one vehicle

25. The method for fleet management of claim 21, further comprising forming an accident tracker in the administrative data storage and receiving accident information from at least one of: a driver, the at least one vehicle, or an accident related third party and communicating the accident information to the vehicle maintenance tracker.

26. The method for fleet management of claim 21, further comprising forming a driver fuel usage tracker in the administrative data storage and receiving driver fuel usage information from at least one of: a driver, the at least one vehicle, or a fuel dispensing party and communicating the driver fuel usage information to the vehicle maintenance tracker.

27. The method for fleet management of claim 26, further comprising connecting a global positioning system to the driver fuel usage tracker.

28. The method for fleet management of claim 27, wherein the global positioning system is used to validate a driver fuel usage.

29. The method for fleet management of claim 21, forming a vehicle mileage tracker in the administrative data storage and receiving vehicle miles traveled information for the at least one vehicle from at least one of: a driver or the at least one vehicle and communicating the vehicle miles traveled information to the vehicle maintenance tracker.

30. The method for fleet management of claim 29, wherein the vehicle miles traveled information further comprises a driver identification.

31. The method for fleet management of claim 29, connecting a global positioning system to the vehicle mileage tracker.

32. The method for fleet management of claim 21, wherein the global positioning system is used to validate a vehicle location.

33. The method for fleet management of claim 22, wherein the vehicle mileage tracker is used to calculate a traveled distance for a jurisdiction, wherein the jurisdiction is a defined geographic area.

34. The method for fleet management of claim 21, forming a driver log book, wherein the driver log book communicates with the vehicle maintenance tracker to track and record a change in a work status of a driver.

35. The method for fleet management of claim 21, further comprising forming document storage for storing documents related to the at least one vehicle.

36. The method for fleet management of claim 21, wherein the vehicle inspection comprises at least one of:

a. a pre-trip, wherein the pre-trip inspection includes at least one of: a pre-trip time stamp, a pre-trip list of inspection points, a pre-trip stored list of repair requests, a pre-trip alert for needed repairs based on the stored list of repair requests, a pre- trip vehicle out of service date, and a pre-trip alert that the at least one vehicle is repaired and ready for service;

b. a roadside inspection, wherein the roadside inspection includes at least one of: a roadside time stamp, a roadside list of inspection points, a roadside stored list of repair requests, a roadside alert for needed repairs based on the stored list of repair requests, a roadside vehicle out of service date, and a roadside alert that the at least one vehicle is repaired and ready for service; and

c. post-trip time stamp, a post-trip list of inspection points, a post-trip stored list of repair requests, a post-trip alert for needed repairs based on the stored list of repair requests, a post-trip vehicle out of service date, and a post-trip alert that the at least one vehicle is repaired and ready for service.

37. The method for fleet management of claim 21, further comprising providing at least one of:

a. a pre-trip alert for needed repairs;

b. a roadside alert for needed repairs;

c. a post-trip alert for needed repairs;

d. an ad-hoc alert for needed repairs;

e. a pre-trip alert that the at least one vehicle is repaired and ready for service;

f. a roadside alert that the at least one vehicle is repaired and ready for service;

g. a post-trip alert that the at least one vehicle is repaired and ready for service;

h. an ad-hoc trip alert that the at least one vehicle is repaired and ready for service;

i. a vehicle return to service date; and

j. a schedule alert that the schedule for vehicle service will not be met.

38. The method for fleet management of claim 21, further comprising connecting a dispatcher processor to the administrative processor via the network, and a dispatcher data storage, wherein the dispatcher data storage comprises:

a. a vehicle identification for the at least one vehicle or a driver identification; and

b. at least one of:

(i) a pre-trip alert for services needed on the vehicle by vehicle identification and by driver identification;

(ii) a roadside alert for services needed on the vehicle by vehicle identification and by driver identification;

(iii) a post-trip alert for services needed on the vehicle by vehicle identification and by driver identification;

(iv) a pre-trip alert by vehicle identification that the at least one vehicle is ready for service;

(v) a roadside alert by vehicle identification that the at least one vehicle is ready for service;

(vi) a post-trip alert by vehicle identification that the at least one vehicle is ready for service; and

(vii) a projected vehicle return to service date by vehicle identification.

39. (Cancelled).

40. The method for fleet management of claim 21, further comprising providing an application program interface allowing a computer program to access fleet management data.

41. A device for conditional, proximity-based equipment use authorization comprising:

a key device for communicating with at least one apparatus operable by a user, wherein the at least one apparatus must be enabled for use, and further wherein the key device comprises:

(i) a positional identification mechanism for identifying a location of the key device;

(ii) at least one prerequisite condition; and

(iii) a means of communication with the at least one apparatus,

wherein the positional identification mechanism determines the location of the key device, the key device determines a status of the at least one prerequisite condition, and

1) through communication with the at least one apparatus, enables operation of at least one function of the at least one apparatus by the user if the key device is in a desired location and the at least one prerequisite condition has been fulfilled; or

2) through communication with the at least one apparatus, disables operation of at least one function of the at least one apparatus by the user if the key device is not in the desired location or the at least one prerequisite condition has not been fulfilled.

42. The device of claim 41, wherein the at least one prerequisite condition comprises a subcondition.

43. The device of claim 41, wherein the at least one prerequisite condition comprises a plurality of subconditions.

44. The device of claim 41, wherein the at least one prerequisite condition is contingent upon the location of the key device.

45. The device of claim 41, wherein the at least one apparatus comprises a motor.

46. The device of claim 41, wherein the at least one apparatus comprises a mounting capable of constraining the motion of the key device.

47. The device of claim 41, wherein the key device further comprises:

a) a key device processor;

b) a non-transitory key device data storage in communication with the key device processor;

c) a means of transmitting data, wherein the means of transmitting data is in communication with the key device processor;

d) a means of receiving data, wherein the means of receiving data is in communication with the key device processor;

e) a power source in electronic communication with the key device processor, the non- transitory key device storage, the means of transmitting data, and the means of receiving data; and

f) a plurality of computer instructions.

48. The device of claim 47, wherein the at least one prerequisite condition is stored within the non-transitory key device storage or the at least one prerequisite condition is communicated to the key device via the means of receiving data.

49. The device of claim 47, wherein the key device is in communication with one or more sensors.

50. The device of claim 47, wherein the key device further comprises a first record comprising all inputs to the key device by the user.

51. The device of claim 47, wherein the key device further comprises a second record comprising the location of the key device.

52. The device of claim 47, wherein the plurality of computer instructions comprise computer instructions instructing the processor to:

a) determine the location of the key device;

b) determine the status of the at least one prerequisite condition;

c) communicate with the at least one apparatus; and

d) enable or disable the at least one apparatus.

53. The device of claim 47, wherein the key device further comprises a means of identifying the user.

54. The device of claim 49, wherein the one or more sensors are selected from the group consisting of:

a) an accelerometer;
b) a heart rate monitor;
c) a health monitoring device;
d) an optical character recognition device;
e) a computer;
t) a gyrometer;
g) a global positioning sensor;
h) an odometer;
i) a speedometer;
j) a pedometer;
k) a breathalyzer;
1) a biometer; and
m) a device to measure behavioral traits.

55. The device of claim 52, wherein the plurality of computer instructions further comprise computer instructions instructing the processor to display feedback to the user.

56. The device of claim 52, wherein the plurality of computer instructions further comprise computer instructions instructing the processor to generate a report from the first record or the second record.

57. The device of claim 52, wherein the plurality of computer instructions further comprise computer instructions instructing the processor to communicate with a remote computer.

58. The device of claim 53, wherein the means of identifying the user is biometric.

59. The device of claim 53, wherein the means of identifying the user is behavioral.

60. A system for automated inspection and maintenance of an asset comprising:
a) at least one client device comprising:
i) a client processor;
ii) a client data storage;
iii) a client data transmitter;
iv) a client data receiver;

v) a plurality of computer instructions stored within the client data storage instructing the client processor to:

1) receive an input from a user;

2) determine authorized actions for the user;

3) receive data; and

4) transmit data, and

b) a mobile asset management module in communication with the at least one client device, wherein the mobile asset management module comprises:

i) a module processor;

ii) a module data storage;

iii) a module data transmitter;

iv) a module data receiver;

v) a plurality of computer instructions stored within the module data storage, wherein the plurality of computer instructions comprises computer instructions instructing the module processor to:

1) determine an identity of the asset;

2) receive asset status information from the at least one client device;

3) analyze asset status information from the at least one client device to form analyzed data;

4) determine a status of the asset based upon the analyzed data;

5) determine a service requirement of the asset based upon the analyzed data; and

6) transmit the service requirement of the asset.

61. The system of claim 60, wherein the at least one client device further comprises at least one sensor for detecting asset status information or is in communication with a sensor for detecting asset status information.

63. The system of claim 60, wherein the asset is a vehicle or a piece of machinery.

64. The system of claim 60, wherein the at least one client device is an inspection device, a service device, or an inspection and a service device.

65. The system of claim 60, wherein the at least one sensor comprises:

a) a pedometer;
b) a global positioning system sensor;
c) a radio frequency receiver or transmitter;
d) an infrared scanner;
e) an internet receiver or transmitter;
f) a camera;
g) an accelerometer;
h) an environmental sensor;
i) a radar receiver or transmitter;
j) a proximity sensor;
k) a timer;
l) a motion detector;
m) a pressure switch;
n) a gyrometer;
o) a radiation sensor;
p) a chemical sensor;
q) a carbon monoxide sensor;
r) an oxygen sensor;
s) a button;
t) a touch screen;
u) an altimeter; or
v) a barometer.

66. The system of claim 60, wherein the plurality of computer instructions stored within the module data storage further comprises computer instructions instructing the module processor to:
a) determine which procedure to follow;
b) display a procedure to the user;
c) collect the asset status information based upon the procedure;
d) log asset status information to form logged data; or
e) change the status of the asset based upon the service requirement of the asset.

67. The system of claim 66, wherein the plurality of computer instructions stored within the module data storage further comprises computer instructions instructing the

module processor to automatically generate a work order based upon the service requirement of the asset and transmit the work order to the at least one client device.

68. The system of claim 66, wherein the procedure comprises the steps of a vehicle inspection or an equipment inspection.

69. The system of claim 68, wherein the plurality of computer instructions stored within the module data storage further comprises computer instructions instructing the module processor to verify that the steps of the vehicle inspection or the equipment inspection are properly conducted by the user.

70. The system of claim 69, wherein the plurality of computer instructions stored within the module data storage further comprises computer instructions instructing the module processor to determine an amount of time taken by the user to conduct the steps of the vehicle inspection or the equipment inspection.

71. The system of claim 69, wherein the plurality of computer instructions stored within the module data storage further comprises computer instructions instructing the module processor to determine a distance traveled by the user to conduct the steps of the vehicle inspection or the equipment inspection.

72. The system of claim 66, wherein the procedure is displayed to the user based upon a triggering event.

73. The system of claim 72, wherein the triggering event is an accident or an injury.

74. The system of claim 66, wherein the plurality of computer instructions further comprises computer instructions instructing the module processor to transmit the logged data.

75. A system for automated tracking of a mobile asset comprising:

a) an asset sensor;

b) at least one client device comprising:

i) a client processor;

ii) a client data storage;

iii) a client data transmitter;

iv) a client data receiver; and

v) a plurality of computer instructions stored within the client data storage instructing the client processor to:

1) receive an input from the asset sensor;

2) determine a location of the asset;

3) receive data; and

4) transmit data.

76. A system for automated inspection and maintenance of a mobile asset comprising:

a) at least one client device comprising:

i) a client processor;

ii) a client data storage;

iii) a client data transmitter;

iv) a client data receiver;

v) at least one sensor for detecting asset status information;

vi) a plurality of computer instructions stored within the client data storage instructing the client processor to:

1) receive an input from a user;

2) determine authorized actions for the user;

3) receive data; and

4) transmit data, and

b) a mobile asset management module in communication with the at least one client device, wherein the mobile asset management module comprises:

i) a module processor;

ii) a module data storage;

iii) a module data transmitter;

iv) a module data receiver;

v) a plurality of computer instructions stored within the module data storage, wherein the plurality of computer instructions comprises computer instructions instructing the module processor to:

1) determine an identity of the asset;

2) receive asset status information from the at least one client device or a sensor in communication with the asset;

3) analyze asset status information from the at least one client device to form analyzed data;

4) determine a status of the asset based upon the analyzed data;

5) determine a service requirement of the asset based upon the analyzed data;

6) determine a service schedule for the asset based upon the analyzed data;

7) determine a service location for the asset based upon the analyzed data; and

8) transmit the service requirement of the asset.

77. The system of claim 73, wherein the mobile asset management module determines if a drug or alcohol test is required.

78. The system of claim 77, wherein the mobile asset management module determines the nearest drug or alcohol testing facility, compares that information to the preferred provider and in so determines which facility to send the worker for testing.

79. The system of claim 78, wherein the client device displays directions to the testing facility.

80. The system of claim 76, wherein the client device will alert another entity that an accident has occurred by one of:

a) short messaging service;

b) a push notification;

c) an email;

d) an instant message; or

e) an in application message.

81. The system of claim 76, wherein the client device will alert another entity that an injury has occurred by one of:

a) short messaging service;

b) a push notification;

c) an email;

d) an instant message; or

e) an in application message.

82. The system of claim 76, wherein an accident summary is created.

83. The system of claim 82, wherein either the mobile asset management module or the client device can contain computer instructions to, at the time of an accident or injury, instantly send the accident summary to one of:

a) an insurance agent;

b) a claims agent;

c) an insurance company;

d) a manager;

e) a safety director;

f) a safety consultant;

g) a governmental entity;

h) a regulatory body; or

i) a concerned Party.

84. The system of claim 76, wherein an accident summary includes at least one of:

a) a picture of the scene;

b) a picture of a vehicle involved in the accident;

c) a picture of a party involved in the accident;

d) a picture of cargo;

e) a picture of property damage;

f) a video recordings;

g) an audio recording;

h) information about a party involved in the accident; or

i) witness information.

85. The system of claim 84, wherein a claim file is created using the accident summary.

86. The system of claim 85, wherein the claim file is stored in the module data storage.

87. The system of claim 76, wherein the triggering event can be detected by an accident sensor.

88. The system of claim 87, wherein the at least one accident sensor comprises:

a) an airbag deployment sensor;

b) an accelerometer;
c) a G-Force sensor or calculation as it relates to speed;
d) a gyrometer;
e) a crash sensor;
f) a speedometer; or
g) a compass.

89. The system of claim 88, wherein the at least one accident sensor detects:
a) a change in speed;
b) a change in traveling direction;
c) a sudden shock;
d) a change in speed relative to time;
e) damage;
f) impact severity; or
g) an amount of damage to vehicle.

90. The system of claim 89, wherein the mobile asset management module contains computer instructions to determine the severity of accident.

91. The system of claim 90, wherein the mobile asset management module contains computer instructions to determine the disposition of the vehicle.

92. The system of claim 91, wherein the mobile asset management module contains computer instructions to predict the cost of repair.

93. The system of claim 89, wherein the mobile asset management module contains computer instructions to determine the correct EMS to deploy to the scene.

94. The system of claim 78, wherein the client device transmits notice to the mobile asset management module that the worker has arrived at the drug testing facility.

95. The system of claim 74, wherein the asset is:
a) a cargo item;
b) a trailer;
c) a pallet;
d) a container;

e) a ship;
f) a vehicle;
g) an aircraft;
h) a spacecraft;
i) a box;
j) a package;
k) a fluid;
l) a gas;
m) a pollutant;
n) an animal; or
o) a human.

96. The system of claim 74, wherein the at least one client device determines an asset status.

97. The system of claim 74, wherein at least one client device determines an estimated time of arrival for the asset.

98. The system of claim 74, wherein at least one client device determines if the asset needs to be rerouted based on the estimated time of arrival for the asset.

99. The system of claim 74, wherein at least one client device determines estimated time of arrival for the asset based on:
a) traffic conditions;
b) fuel level;
c) required stops;
d) hours available for the driver to operate;
e) time of day;
f) weather conditions;
g) vehicle status; or
h) regulatory conditions.

100. The system of claim 74, wherein at least one client device transmits status updates to:
a) the customer;
b) dispatch;

c) manager;
d) regulatory body;
e) third party consultant;
f) auditor;
g) tracking company;
h) shipper;
i) recipient;
j) warehouse; or
k) government entity.

101. The system of claim 76, wherein the asset status is:
a) ETA;
b) location;
c) association to a conveyance vehicle;
d) temperature; or
e) securement of cargo.

102. The system of claim 74, wherein the asset sensor can:
a) measure temperature;
b) determine if the doors are locked;
c) determine if the cargo is secure;
d) determine if the security of the cargo is breached;
e) determine spoilage;
f) transmit status of any measurement or determination;
g) transmit cargo identity;
h) transmit routing of cargo;
i) transmit primary destination;
j) transmit secondary destination;
k) transmit tertiary destination;
l) transmit exceptions;
m) transmit problem notifications;
n) transmit proximity; or
o) transmit an update.

103. The system of claim 74, wherein the at least one client device updates the cargo associated with the conveyance equipment automatically by receiving the cargo identifying information transmitted by the cargo sensor.

104. The system of claim 103, wherein the at least one client device transmits the updated status.