I / We claim:

1. A radio network performance optimization system comprising:

a field process automation module configured to automate field processes in a drive testing procedure; wherein the field process automation module (100) comprises:

a hardware check module (102), wherein the hardware check module is configured to evaluate all required components and raise an alarm even before a field team sets out for the activity in case any modification is required; and

a license validation and setup module (104), wherein the license validation and setup is configured to verify software versions of all handsets and that of the system; and

a route determination module (106), wherein the route determination module is configured to determine a shortest path or route to a starting point for drive testing and provides MAP automation / centralization; and

a geofencing module (108), wherein the geofencing module is configured to prevent the drive test team from diverting to an undesired location and starting to collect data before they should; and

a vendor agnostic module (110), wherein the vendor agnostic module is configured to standardize the field data collection process in a common database; and

a data collection module (112), wherein the data collection module is configured to automate the data collection by making a sequence of test cases, as well as to create an auto upload data per unit test case; and

a network performance data analytics module (200) configured to perform centralized automated analytics on the data retrieved from the field process automation module; and

a management module (300) configured to manage the field process automation module and the network performance data analytics module.

2. The system as claimed in claim 1, wherein the license validation and setup module (104) further comprises a plurality of prebuilt scripts and is configured to check software versions, and to ensure that compatible settings are performed from central location.
3. The system as claimed in claims 1 to 2 further comprises a big data architecture that is configured to scan and capture data of interest.