

Experimentation Description:

The experiment shall consist of four (4) parts:

Part 1: The equipment shall be tested to verify the correct operation of the hardware and software in a manual, non-emergency vehicle, operation.

The test shall include verification of the NEMA TS-2 Traffic Signal Pre-emptor operation in a stationary test rack, activated by both the Manual Pre-emptor unit, and a Vehicle Pre-emptor unit (Not vehicle mounted for this test).

Part 2: The equipment shall be tested in the field to verify the correct operation of the hardware and software mounted in the target application(s).

The test shall include the mounting of the NEMA TS-2 Preemptor(s) in the traffic signal Signal-Cabinet (4-each) and the Vehicle Pre-emptor units in the intended Fire Department Apparatus (4-each) with the permission of the Indianapolis Fire Department and Transportation Department. The Manual Pre-emptor unit (1 each) shall be used to provide additional field installation debugging, and then shall be installed in the intended Fire Station (fixed).

Part 3: The equipment shall be tested in the field during live (Emergency Response) runs of the Fire Apparatus) with the permission of the Indianapolis Fire Department and Transportation Department.

Several active tests shall be made by the Indianapolis Fire Department to help prove-out the systems overall design and operational interfaces. These tests are intended to improve the usability of the operator interface and system functionality.

Part 4: The equipment shall be demonstrated to possible users and prospective clients to promote further product development interest and possible sale of the technology to representative domestic companies.