



# Opticom™ Project Management Services

## Intersection and Vehicle Verification and Validation

June 2008

### Intersection Performance Verification

This service is intended for agencies that wish to contract Global Traffic Technologies (GTT) for long-term maintenance of Opticom™ GPS and Infrared System intersection equipment. GTT will provide an assessment of the existing intersection equipment and a proposal for upgrading and/or repairing existing equipment prior to initiating a maintenance program.

#### Customer Prerequisites

- Provide a specific list of intersections including descriptions—with drawings if desired/available.
- Provide mode of operation so that correct equipment may be selected/specified.
- Program the intersection controller with preempt routines.
- Provide a standard preempt wiring and output plan.
- Provide the existing code plan currently being used (if applicable).
- Designate a contact person to decide any issues relating to installation preferences, operation and activation options.
- Provide any non-standard keys for traffic controller cabinet access and/or a maintenance representative if required.
- Provide cabinet equipment configuration and preemption software/firmware capability on all controllers.
- Identify two equipped and functional authorized vehicles (EMS and/or Transit) to be used for system verification.
- Provide an authorized driver that is trained to use the existing system.

#### GTT Project Management Processes

- Check all intersection equipment connections and software settings.
- Provide vehicle equipment to drive the equipped intersections—if not provided by the customer.
- Instruct an authorized driver on how to drive each intersection approach while observing Opticom™ Phase Selector activity.
- Insure all approaches are driven from a distance of at least 2,500 ft.—depending on actual length of approach.
- Observe Opticom phase selector and controller activity to verify proper system operation.
- Save existing Opticom phase selector configuration files and provide to customer on a CD.
- Document final results of the verification tests and provide a final assessment and recommendations to the authorizing agency.
- Obtain assessment and recommendation acceptance from the authorizing agency.

## Vehicle Performance Verification

This service is intended for agencies that wish to contract Global Traffic Technologies (GTT) for long-term maintenance of Opticom™ GPS and Infrared System vehicle components. GTT will provide an assessment of the existing vehicle equipment and a proposal for upgrading and/or repairing existing equipment prior to initiating a maintenance program.

### Customer Prerequisites

- Provide a specific list of all user vehicles with descriptions.
- Identify the locations/facilities where all vehicles are located along with address and phone information.
- Provide a contact person for each location/facility for scheduling.
- Provide mode of operation so that correct equipment may be selected/specified.
- Provide the existing code plan currently being used (if applicable).
- Provide any existing wiring plans for each vehicle type (if applicable).
- Designate a contact person to decide any issues relating to installation preferences, operation and activation options.

### GTT Project Management Processes

- Check all vehicle equipment connections and software settings.
- Check each Opticom™ Infrared System Emitter, using the Opticom emitter test box, to insure that it is operating correctly and is emitting the authorized code per the code plan.
- Download all data from the Opticom infrared system emitter test box and store on CD.
- Using a test vehicle equipped with the Opticom GPS system—listen for each vehicle under test. Note: the vehicle under test will be forced into transmit mode via the system software.
- Record the data received for each vehicle verified under test.
- Document final results of the verification tests and provide a final assessment and recommendations to the authorizing agency.
- Obtain assessment and recommendation acceptance from the authorizing agency.



Global Traffic Technologies, LLC  
7800 Third Street North  
St. Paul, Minnesota 55128-5441  
1-800-258-4610  
651-789-7333  
www.gtt.com

**Global Traffic Technologies Canada, Inc.**  
157 Adelaide Street West  
Suite 448  
Toronto, ON M5H 4E7  
1-800-258-4610

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79-1000-0140-0 (A)