

2007 Traffic Signal Operation Self Assessment

Results Sheet

Scoring for the 2007 Traffic Signal Operation Self Assessment

Developed by

National Transportation Operations Coalition



Scoring for the 2007 Traffic Signal Operation Self Assessment

The 2007 Traffic Signal Operation Self Assessment consists of six sections. Each section contains a number of questions concerning traffic signal operation policies and practices. Respondents are asked to rate the extent to which a particular policy or practice has been adopted and implemented by your agency. Score each question from 1 to 6, based on your program's progress in each area as detailed below. It may prove useful to briefly document the reasons for each question's scoring.

The self assessment is designed to describe the benchmark for traffic signal operation best practices. Each question is followed by a short description that illustrates outstanding practice (a 5 score) or provides guidance on how to score within a range (1 to 6). This provides your agency with a target for improving your own traffic signal operation. **It is not anticipated that any agency will have a perfect score.**

Some questions apply only to agencies that have specialized equipment or applications. In those instances, "not applicable" (N/A) is provided as a scoring option. **Questions scored as "not applicable" will not contribute to the overall score and should not be included on your results sheet.**

Below is general guidance for scoring from 1 to 6:

1. Not currently being done
 - May have been discussed informally but no action has been taken
2. Very little being done
 - Minimal activity
 - Issue has been acknowledged and is being investigated
3. Efforts are moderate. Some good processes exist but they may not be well executed—results are mixed.
 - Has been put into practice on a limited or experimental basis
 - Processes are not consistently applied
4. Efforts are strong and results are promising; however, there is room for improvement.

- Has become a generally accepted practice but refinements or changes are being discussed or pursued
 - Is done in practice but is not yet integrated as “standard procedure”
5. Efforts are outstanding with good to excellent results.
- Has become accepted practice and is consistently implemented
 - Policies and procedures are documented and well integrated as “standard procedure”
6. Not applicable: The question does not apply to your agency.

In assigning a rating to an item, first decide which level of effort best fits the overall item response. Overall “best fit” does not require total agreement with each of the questions or the description for that scoring range. Assigning the actual score within the range requires evaluating the level of effort that has been applied within a particular area. If only a minimal effort has been applied, a 2 or 3 should be assigned. If no effort has been applied, a 1 should be assigned. If a comprehensive effort has been applied, the highest rating for a range should be assigned. If the question does not apply to your agency, a 6 should be assigned.

There are six sections in this self assessment:

- Section 1: Management
- Section 2: Signal operation at individual intersections
- Section 3: Signal operation in coordinated systems
- Section 4: Signal timing practices
- Section 5: Traffic monitoring and data collection
- Section 6: Maintenance

All questions have equal weight. To calculate your score for each section, simply average your result for all questions in that section, excluding any questions scored as not applicable. To calculate your overall score, average your results for all questions, excluding any questions scored as not applicable. The following results sheet is provided for your convenience.

Section	\sum scores for all questions = raw score “s”	Average =	Score (100-point scale) =
		$\frac{s}{\text{Number questions answered}}$	$\frac{\text{Average (100)}}{5}$
1. Management			
2. Signal operation at individual intersections			
3. Signal operation in coordinated systems			
4. Specialized timing practices			
5. Traffic monitoring and data collection			
6. Maintenance			
Total			

For the national report card results, individual scores will be converted to a 100-point scale and assigned a letter grade. The conversion is:

A = 90–100 or 4.5–5

B = 80–89 or 4–4.4

C = 70–79 or 3.5–3.9

D = 60–69 or 3–3.4

F = less than 60 or less than 3

We ask that your results be provided for inclusion in the National Traffic Signal Report Card. **Individual results and participating agencies are anonymous.** Please return your results as follows:

We strongly urge you to return results electronically by logging into www.ite.org/selfassessment. Complete the results sheet on the Web site and click “submit.”

For **paper copies**, mail the completed results sheet to:

Institute of Transportation Engineers
Attention: Tatyana Jenkins
1099 14th Street, NW, Suite 300 West
Washington, DC 20005-3438

Registered participants who return their results by December 29, 2006 will receive the following:

- Certificate of completion
- Final report on the National Report Card
- Press kit for conducting a local press event (including background information and graphics designed for the press, summary of national results, fill-in-the-blank templates for your agency’s results and suggestions on conducting your local press event)
- Traffic signal audit guide

Please return your results by December 29, 2006.

General Information

ALL INFORMATION AND RESPONSES TO THIS SELF ASSESSMENT WILL REMAIN CONFIDENTIAL.

The information below is requested so that we may contact you with questions regarding the information you have submitted. It will also be used as a mailing address for the material we will send you in response to your completion of the survey and will enable us to correlate survey responses with demographics (organization type, size, etc.).

Name: _____

Title: _____

Employer: _____

Address: _____

City: _____

State: _____

Zip: _____

Phone: _____

Fax: _____

E-mail: _____

Public information contact person
(optional):

Name: _____

Phone: _____

E-mail: _____

(Check one)

1. City/municipality _____
2. County _____
3. State/province _____
4. Other, Please specify _____

How many traffic signals does your jurisdiction operate and maintain?

- Less than 50
- 50–150 signals
- 150–450 signals
- 450–1,000 signals
- More than 1,000 signals

What is your jurisdiction's population?

- Less than 50,000
- 50,000–250,000
- 250,000–500,000
- 500,000–1,000,000

- Greater than 1 million

If your jurisdiction is part of a larger metropolitan area, what is the population of the metropolitan area?

- Less than 50,000
- 50,000–250,000
- 250,00–500,000
- 500,000–1,000,000
- Greater than 1 million

Are you willing to have your response shared with the FHWA Division Office arterial management staff person in your state? The information is for internal use at the Division Office only and the details of your response will not be shared with anyone else. The intent is to allow the Division Office staff to understand needs and offer to provide appropriate technical assistance and resources.

- Yes
- No

Thank you for completing this self assessment. We hope it has helped your agency evaluate the operation of its traffic signal system operations. We encourage you to use the results of this self assessment to plan, budget and implement enhancements to your traffic signal system.