

ICS 03.220.20
CCS R 84

GA

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GA/T 1573-2019

Guidelines for evaluation of road traffic law-abiding index

道路交通守法指数测评指南

(English Translation)

Issued on: January 1, 1970

Implemented on: June 15, 2019

Issued by: Ministry of Public Security

Table of Contents

Foreword
1 Scope
2 Normative references
3 Definition of terms
4 Evaluation indicators
5 Measurement methods for evaluation indicators
6 Calculation methods

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard was proposed and managed by the National Road Traffic Management Standardization Technical Committee (SAC/TC 576).

1 Scope

This standard specifies the methods for measuring the compliance index of urban roads, ordinary highways and expressways.

This standard is applicable to the calculation and evaluation of the compliance index of urban roads, ordinary highways and highways.

2 Normative references

The following documents are essential for the application of this document. For dated references, only the dated version applies to this document.

For undated references, the latest version (including all amendments) applies to this document.

General technical requirements of GA/T 496 red light automatic recording system GA/T 497 General technical requirements for intelligent monitoring and recording system for highway vehicles GA/T 832 Technical Specification for Image Forensics of Road Traffic Safety Illegal Activities GA/T 995 Technical Specification for Video Forensics Equipment for Road Traffic Safety Illegal Activities GA/T 1201 Satellite positioning technology forensics code for road traffic safety violations

3 Definition of terms

The following terms and definitions apply to this document.

Traffic law-abiding index an indicator of the compliance of urban road and road traffic participants with laws and regulations related to road traffic safety.

Rate of traffic law violation Road traffic in a certain area that has a certain type of traffic violation and is monitored over a period of time Number of participants as a percentage of total traffic participants.

4.1.1 Overall evaluation index

See Table 1 for the overall evaluation indicators of the compliance index of urban road traffic.

Table 1 Overall evaluation indicators of urban road traffic compliance index

Basic weights of traffic violations	Compliance index	evaluation index value	Motor vehicle
Traffic violation	0.08	0.80	0.56
0.32	0.08	0	Turning vehicles did not let straight vehicles go ahead
0.08	0.80	0.56	0.32
0.08	0	Drunk driving motor vehicle	0.08
0.80	0.56	0.32	0.08
0	Driving a motor vehicle after drinking	0.07	0.70
0.49	0.28	0.07	0
Motor vehicles do not pass according to traffic light regulations	0.05	0.50	0.35
0.20	0.05	0	Motor vehicle travelling at a speed exceeding
0.05	0.50	0.35	0.20
0.05	0	Motor vehicle running in reverse	0.05
0.50	0.35	0.20	0.05
0	when changing lanes, it affects normal driving of motor vehicles	0.04	0.40
0.28	0.16	0.04	0
Motor vehicle is not driving in the prescribed lane	0.04	0.40	0.28
0.16	0.04	0	Indication of motor vehicle violation sign
0.03	0.30	0.21	0.12
0.03	0	Motor Vehicle Violation Prohibition Guidelines	0.03
0.30	0.21	0.12	0
Parking of motor vehicles in violation of regulations	0.02	0.20	0.14
0.08	0.02	0	Dial and answer hand-held phone while driving
0.02	0.20	0.14	0.08
0.02	0	Use of lights other than as specified	0.01
0.10	0.07	0.04	0.01
0	Other traffic violations of motor vehicles	0.01	0.10
0.07	0.04	0.01	0 non-motor vehicle
Traffic violation	Non-motor vehicles do not pass according to traffic signal regulations	0.05	0.50
0.35	0.20	0.05	0
Non-motor vehicle driving in reverse	0.05	0.50	0.35
0.20	0.05	0	Non-motorized vehicles are not driving in non-motorized lanes
0.03	0.30	0.21	0.12
0.03	0	Driving an electric bicycle at an excessive speed	0.02
0.20	0.14	0.08	0.02
0	Non-motorized vehicles are not parked at specified locations	0.01	0.10
0.07	0.04	0.01	0
Non-motor vehicles do not load as specified	0.01	0.10	0.07
0.04	0.01	0	Non-motor vehicle other traffic violations
0.01	0.10	0.07	0.04
0.01	0	pedestrian	Traffic violation
Pedestrians violate traffic signal	traffic	0.05	0.50
0.35	0.20	0.05	0
Pedestrians crossing the road without crossing or crossing facilities	0.05	0.50	0.35
0.20	0.05	0	Pedestrians do not walk on sidewalks
0.05	0.50	0.35	0.20
0.05	0	Pedestrians other traffic violations	0.01
0.10	0.07	0.04	0.01
0			

4.1.2.1 When a pedestrian is crossing the crosswalk without giving up

The basic right of a pedestrian who has passed a crosswalk without stopping and giving way to an illegal act is 0.08. Table 2 shows the evaluation index of the compliance index.

Table 2 Pedestrians giving way without stopping while crossing the crosswalk

Illegal rate of pedestrians passing by without crossing while crossing a pedestrian crossing
 0 ~ 5% 5% ~ 10% 10% ~ 20% 20% ~ 30% Evaluation index of compliance index 10 ~ 7 7 ~ 4
 4 ~ 1 1 ~ 0 0

4.1.2.2 Turning vehicles do not let straight vehicles go ahead

The basic right of a turning vehicle that does not allow a straight vehicle to violate the law in advance is 0.08. See Table 3 for the evaluation index of the compliance index.

Table 3 Turning vehicles do not let straight vehicles go ahead

Illegal rate of turning vehicles that do not allow straight vehicles to advance 0 to 5% 5% to 10% 10% to 20% 20% to 30% Evaluation index of compliance index 10 ~ 7 7 ~ 4 4 ~ 1 1 ~ 0
 0 0

4.1.2.3 Driving a motor vehicle while drunk

The basic weight of illegal driving of a motorized vehicle after being drunk is 0.08. See Table 4 for the evaluation index of the compliance index.

Table 4 Driving a motor vehicle while drunk

Illegal rate of driving a motor vehicle while drunk 0 to 1% 1% to 2% 2% to 3% 3% to 4% > 4% Evaluation index of compliance index 10 ~ 7 7 ~ 4 4 ~ 1 1 ~ 0 0

4.1.2.4 Driving a motor vehicle after drinking

The basic weight of illegal behaviors of driving a motor vehicle after drinking is 0.07, and the evaluation index values of the compliance index are shown in Table 5.

Table 5 Driving a motor vehicle after drinking

Illegal rate of driving a motor vehicle after drinking 0 ~ 2% 2% ~ 3% 3% ~ 4% 4% ~ 5% > 5% Evaluation index of compliance index 10 ~ 7 7 ~ 4 4 ~ 1 1 ~ 0 0

4.1.2.5 Motor vehicles do not pass according to traffic light regulations

The basic weight of motor vehicles that do not follow the traffic light regulations is 0.05, and the compliance index evaluation index values are shown in Table 6.

Table 6 Motor vehicles do not pass according to traffic light regulations

Illegal rate of motor vehicles not passing according to traffic light regulations 0 to 5% 5% to 10% 10% to 15% 15% to 25% > 25% Evaluation index of compliance index 10 ~ 7 7 ~ 4 4 ~ 1 1 ~ 0 0

4.1.2.6 Motor vehicles travel at speeds above the specified speed

The basic weight of motor vehicle violations of the prescribed speed per hour is 0.05, and the compliance index evaluation index values are shown in Table 7.

Table 7 Motor vehicles travelling at speeds

Illegal rate of motor vehicles exceeding the specified speed 0 to 5% 5% to 10% 10% to 15% 15% to 20% > 20% Evaluation index of compliance index 10 ~ 7 7 ~ 4 4 ~ 1 1 ~ 0 0

4.1.2.7 Motor vehicle runs in reverse

The basic weight of a motor vehicle's illegal driving behavior is 0.05, and the compliance index evaluation index values are shown in Table 8.

Table 8 Motor vehicle driving in reverse

Illegal rate of motor vehicles driving in the reverse direction 0 to 5% 5% to 10% 10% to 15% 15% to 20% > 20% Evaluation index of compliance index 10 ~ 7 7 ~ 4 4 ~ 1 1 ~ 0 0

4.1.2.8 Vehicles affected by normal lane changes

When changing lanes, the basic weight that affects the illegal behavior of normal driving motor vehicles is 0.04, and the compliance index evaluation index values are shown in Table 9.

Table 9 Motor vehicles affected by normal lane changes

Illegal rate affecting normal driving motor vehicles when changing lanes 0 to 5% 5% to 10% 10% to 15% 15% to 25% > 25% Evaluation index of compliance index 10 ~ 7 7 ~ 4 4 ~ 1 1 ~ 0 0

4.1.2.9 Motor vehicle is not driving in the prescribed lane

The basic weight of illegal behaviors of motor vehicles not driving in the prescribed lanes is 0.04, and the compliance index evaluation index values are shown in Table 10.

Table 10 Motor vehicles are not driving in prescribed lanes

Illegal rate of motor vehicles not driving in prescribed lanes 0 to 5% 5% to 10% 10% to 15% 15% to 20% > 20% Evaluation index of compliance index 10 ~ 7 7 ~ 4 4 ~ 1 1 ~ 0 0