

# **AUTOMATIC ACCIDENT EMERGENCY CALL SYSTEM CHECK PROCEDURE**

Created: March 20, 2018

## **1. Effective Date**

This system check procedure shall go into force as of April 1, 2018.

## **2. Scope of Application**

This test procedure applies exclusively to “check installation of automatic accident emergency call systems” of passenger vehicles, which are installed with an automatic accident emergency call system, with 9 occupants or less and commercial vehicles with a gross vehicle mass of 2.8 tons or less conducted by the National Agency for Automotive Safety and Victims’ Aid (hereinafter referred to as “NASVA”) in the new car assessment program information supply project.

## **3. Definition of Terms:**

The terms used in this check procedure are defined as follows.

- (1) **“Automatic accident emergency call system”** is a device that is equipped with one of the following two functions: ACN (Automatic Collision Notification) or AACN (Advanced Automatic Collision Notification), which detects a case of a serious accident that is highly likely to result in injuries that threaten life of vehicle occupants by the activation of airbags, etc and automatically notifies, without any operation by any occupant of the vehicle, the connecting institution of the accident via wireless communication.
- (2) **“ACN (Automatic Collision Notification)”** is a device that is capable of transmitting information about an accident, including the time of the accident (year, month, day, hour and minute), as well as the longitude and latitude that indicate the location of the accident.
- (3) **“AACN (Advanced Automatic Collision Notification)”** is a device that includes ACN and is capable of transmitting information with which seriousness of the injuries of the occupants of the vehicle can be estimated.
- (4) **“Connecting Institution”** refers to an organization with the capability of receiving ACN and AACN on a 24/7 basis.
- (5) **“On-board Type”** refers to an automatic accident notification system that automatically notifies a connecting institution from an on-board device upon detection of airbag deployment, etc.
- (6) **“Mobile Phone-based”** refers to an automatic accident notification system that automatically notifies a Connecting Institution from a mobile phone that is connected to a navigation system upon detection of airbag deployment, etc.

## **4. Provision of data from motor vehicle manufacturers, etc**

Motor vehicle manufacturers, etc shall provide NASVA with the Appendix 1 and the following documents that are required for checking functions of the systems installed in the test vehicle and their activation speed, or equivalent documents:

- (1) Instruction manuals: Manuals (owner's manuals) pertaining to the test vehicle and the navigation system, or equivalent documents; and,
- (2) Contract with Connecting Institution, etc: Written contracts specifying the type of data that is transmitted to the Connecting Institution and the data transmission procedure, or equivalent documents. In addition, documents describing the methods for estimating injury seriousness.

## **5. Check procedure**

Based on the documents provided pursuant to section 4, installation of a function in the automatic accident emergency notification system to automatically notify a Connecting Institution in case of a serious traffic accident, including deployment of airbags, shall be checked, as well as whether the automatic notification is ACN or AACN by confirming whether the information that is sent to an Connecting Institution meets the following requirements or not:

- (1) ACN: Time of accident (year, month, day, hour and minute) and the latitude and longitude that indicate the location of accident
- (2) AACN: In addition to the information of (1), information for estimating injury seriousness (change in velocity, collision direction, seatbelts fastened or not, and multiple collisions or not; all four pieces of data).

## **6. Recording results**

Results of the checks of section 5, whether the automatic accident emergency call system is installed or not, and whether the automatic notification is ACN or AACN shall be recorded in Appendix 2.

**Appendix 1 - Specifications of Vehicle on Which Installation of Automatic Accident  
Emergency Call System is Checked**

**(To be filled out by the vehicle manufacturer, etc)**

1. Specifications of the test vehicle

(1) Model/Type (sales name): \_\_\_\_\_ / \_\_\_\_\_ ( \_\_\_\_\_ )

2. Declaration from Vehicle Manufacturer, etc

Type of automatic accident emergency call system:

\_\_\_\_\_ ACN \_\_\_\_\_ / \_\_\_\_\_ AACN \_\_\_\_\_

Type of transmission by automatic accident emergency call system:

\_\_\_\_\_ On-board type \_\_\_\_\_ / \_\_\_\_\_ Mobile phone-based \_\_\_\_\_

3. Attached documents

Instruction manuals, etc:

\_\_\_\_\_ / Other: \_\_\_\_\_

Written contracts with Connecting Institution:

\_\_\_\_\_ / Other: \_\_\_\_\_

## Appendix 2 - Result of Check on Installation of Automatic Accident Emergency Call System

(To be filled out by the installation checking institution)

Date of check: (YYYY/MM/DD)\_\_\_\_\_

Checked by:\_\_\_\_\_

1. Specifications of performance check vehicle

(1) Model/Type (sales name): \_\_\_\_\_ / \_\_\_\_\_ ( \_\_\_\_\_ )

2. Result of installation check

Check item	Check result
Automatic accident emergency call system	Yes [or] No
Type of transmission by automatic accident emergency call system	On-board type [or] Uses mobile phone device
Type of Automatic Notification	ACN [or] AACN