

Notice of National Critical Infrastructure Inventory Check Operation

I. Origin

This notice shall be carried out in accordance with the “Guidance Regulations on National Critical Infrastructure Protection.”

II. Purpose

This notice was passed by the Executive Yuan (hereinafter abbreviated as the EY) to carry out inventory check operations on the nation’s critical infrastructures and serve as a reference for classification levels and protection priorities in order to strengthen the government’s protection power and resource allocation.

III. Implementation subjects

The subjects of implementation shall include the EY, its subordinate ministries, institutions, and national enterprises that are responsible for looking after critical infrastructures according to the “Guidance Regulations on National Critical Infrastructure Protection” (hereinafter referred to as the Guidance Regulations).

IV. Guidelines for infrastructure screening

1. Basic screening guidelines

Infrastructures that can make the following impacts when attacked or suffering from disaster damages shall be considered national critical infrastructures:

- (1) Directly or indirectly cause mass casualties or evacuation/migration.
- (2) Directly or indirectly cause major economic losses.
- (3) Directly or indirectly impact the operation capabilities of other critical infrastructures.
- (4) Impact the government’s continuous operation, public morale, and social stability.

2. Screening operation

(1) Asset survey:

All ministries and agencies shall list their assets according to their core functions and missions prior to screening the vital nodes with critical importance and capability to cover the ministries’ functions or missions. Such nodes may include buildings, physical equipment, information and telecommunication systems, communication equipment, and technology and human resources; any of these nodes may be related to each other. However, if two infrastructures are related but remotely apart and cannot be grouped under one

protection team or serve different subjects, then consideration shall be made to allow a unit that can adjust resources be fully in charge of and manage the facilities to conduct inventory check.

(2) Screening related to information and communication systems:

If the surveyed infrastructure, as defined in the preceding paragraph, has significant information and communication systems or provides cross-ministry services, then general consideration on its core functions and/or missions should be taken, and plants, telecommunications environment, and the manager and operator offices should be incorporated into the inventory scope; the flow of data/information, the impact scope of such flow, the backups, and defense mechanisms should also be considered. Regarding the naming of infrastructures: important facilities deemed “critical” shall be further named according to their functions and/or missions. However, dispersed information systems adopted for cross-ministry operations can be called by such systems’ names (e.g. electronic official document exchange system, government internet service network, and Taiwanese academic network).

V. Procedure for classifying critical infrastructures

1. Fill out the “critical infrastructure” survey form:

Individual infrastructure providers shall first carry out inventories of their assets and fill out the aforementioned survey, which will show the scores of core function attributes using a “radar chart”. The higher the scores, the greater their importance. These scores can be used to develop preliminary recommendations for classifying the infrastructures, as well as be submitted to the superordinate competent authority for a “critical infrastructure classification” preliminary assessment.

2. Sector competent authority preliminary assessment:

Sector-level competent authorities shall establish “ad hoc promotion teams” according to the Guidance Regulations and invite experts from various fields to participate in the preliminary assessment meetings, which shall be held to review whether the content and classification recommendations filled out and proposed by the individual infrastructure providers are appropriate. Afterwards, a preliminary classification assessment shall be performed in accordance with the Guidance Regulations, during which the importance and assessment results are prioritized. Infrastructures under jurisdiction shall first be classified into “tier-one, tier-two, and tier-three” national critical infrastructures and then further prioritized within each tier prior to being

compiled into full infrastructure lists. These lists, along with the meeting minutes of the preliminary assessment meeting, shall be submitted to the Executive Yuan.

3. Approval by the Executive Yuan

The Executive Yuan's Office of Homeland Security shall invite the National Security Council, National Security Bureau, Ministry of National Defense, and other related ministries to hold a joint meeting to review the infrastructure lists and assessment results submitted by competent sector authorities in order to determine whether such classifications are appropriate, as well as whether any critical infrastructure has been omitted. A comprehensive review will be held based on relevant information, the results of which will be submitted to the premier for approval.

VI. Tips for filling out the critical infrastructure inventory check form

1. Purpose of the survey design:

The survey form has been designed to assist the owners/managers of critical infrastructures in carrying out a concrete and quantitative risk assessment and analysis to establish disaster impact scenarios as a reference for drafting various disaster protection and recovery management plans. Furthermore, infrastructure providers can prioritize the importance of their infrastructures through these survey forms and obtain a clear understanding of the inter-dependency between infrastructures, allowing them to identify critical inter-dependent nodes and subjects that demand priority attention under specified disaster scenarios.

2. The survey forms were designed in EXCEL, and most of the questions are either multiple choice or fill-in-the-blank. Some questions have extra descriptions regarding how to answer them.

3. "Radar chart" scores can be used as a reference when classifying infrastructures:

As soon as the "1.4 Importance Assessment Form" is completed, press the "save" key. Doing so will make two "radar charts" appear, "function importance level (total score of 45 points)" and "impact on morale (total score of 15 points)." These charts can serve as references for classifying infrastructures. However, the index scores produced from these radar charts are only to serve as references for competent authorities when classifying infrastructures. Sector-level competent authorities are still required to draft their own infrastructure standards according to the sector's attributes and the environment that falls within their jurisdiction.

VII. Inventory schedule

The schedule is to be assessed, planned, and implemented by the Executive Yuan's Office of Homeland Security every year according to specific needs.