

Annexed table 3

Risk Assessment of Critical Telecommunications Infrastructure

Date: (day / month / year)

	Conditional definition	Proportion	Score	Subtotal
A Attribute (multiple choice)	<input type="checkbox"/> The facility is critical for departments to carry out command and control measures.	1-10		
	<input type="checkbox"/> The facility is critical for producing important information.	1-5		
	<input type="checkbox"/> The facility is relevant to the support of military combat.	1-5		
	<input type="checkbox"/> The facility is necessary for the implementation of civil defense and mobilization.	1-5		
	<input type="checkbox"/> The facility is relevant to people's livelihood or financial well-being.	1-5		
I Dependency	Its level of dependency on the critical infrastructure of other departments. For example, the efficiency and operations of other facilities will be affected if the electricity and/or water has been cut off (1 score for not being dependent to another facility; an additional score will be added to the total for one interdependent facility).	1-10		
V Vulnerability	Protection against explosions <input type="checkbox"/> 0 - no facility; <input type="checkbox"/> 1 - unique structure; <input type="checkbox"/> 2 - dispersed operating structure or a steel structure; <input type="checkbox"/> 3 - concrete / stone hardening structure; <input type="checkbox"/> 4 - flammable or explosive substances, or a wooden structure; <input type="checkbox"/> 5 scores - no safety design	0-5		
	Protection against biological or chemical attack <input type="checkbox"/> 0 score - no facility; <input type="checkbox"/> 1 - an anti- terrorism plan and well-trained staff; <input type="checkbox"/> 2 - air-conditioning import with filtration and protection; <input type="checkbox"/> 3 - mails / packages are freely delivered; <input type="checkbox"/> 4 - free public access; <input type="checkbox"/> 5 - no protective measures	0-5		
	Protections against internet attacks. <input type="checkbox"/> 0 - no facility; <input type="checkbox"/> 1 - an information security protection plan and well-structured training and drill plans; <input type="checkbox"/> 2 - an information security protection plan, but no training / drill has been adopted over the last two years; <input type="checkbox"/> 3 - an information security protection plan, but no training / drill has been adopted over the last three years; <input type="checkbox"/> 4 - with an information security protection plan, but no training / drill; <input type="checkbox"/> 5 - no information security protection plan	0-5		
	Protection against natural disasters <input type="checkbox"/> 0 - no facility; <input type="checkbox"/> 1 - an information security protection plan and well-structured training and drill plans; <input type="checkbox"/> 2 - an information security protection plan, but no training / drill has been adopted over the last two years; <input type="checkbox"/> 3 - an information security protection plan, but no training / drill has been adopted over the last three years; <input type="checkbox"/> 4 - an information security protection plan, but no training / drill; <input type="checkbox"/> 5 - no information security protection plan	0-5		

Criticality C	Economic loss and reconstruction budget (unit: TWD) <input type="checkbox"/> 0 - none; <input type="checkbox"/> 0.5 - less than 10 million; <input type="checkbox"/> 1 - between 10 million and 25 million; <input type="checkbox"/> 1.5 - between 25 million and 50 million; <input type="checkbox"/> 2 - between 50 million and 100 million; <input type="checkbox"/> 2.5 - between 100 million and 250 million; <input type="checkbox"/> 3 - between 250 million and 500 million; <input type="checkbox"/> 3.5 - between 500 million and 750 million; <input type="checkbox"/> 4 - between 750 million and 1 trillion; <input type="checkbox"/> 4.5 - between 1 trillion and 25 trillion; <input type="checkbox"/> 5 - more than 25 trillion	0-5		
	People who will be directly affected within 72 hours if the facility has been damaged <input type="checkbox"/> 0 - none; <input type="checkbox"/> 0.5 - less 1,000 people; <input type="checkbox"/> 1 – between 1,000 and 10,000 people; <input type="checkbox"/> 1.5 – between 10,000 and 25,000 people; <input type="checkbox"/> 2 – between 25,000 and 50,000 people; <input type="checkbox"/> 2.5– between 50,000 and 100,000 people; <input type="checkbox"/> 3 – between 100,000 and 500,000 people; <input type="checkbox"/> 3.5 – between 500,000 and 1 million people; <input type="checkbox"/> 4 – between 1 million and 2.5 million people; <input type="checkbox"/> 5 – more than 2.5 million people.	0-5		
	Estimated number of deaths <input type="checkbox"/> 0 - none; <input type="checkbox"/> 0.5 – less than 10 people; <input type="checkbox"/> 1 – between 10 to 50 people; <input type="checkbox"/> 1.5– between 50 to 100 people; <input type="checkbox"/> 2 – between 100 and 250 people; <input type="checkbox"/> 2.5 – between 250 and 500 people; <input type="checkbox"/> 3 – between 500 and 1,000 people; <input type="checkbox"/> 3.5 – between 1,000 and 5,000 people; <input type="checkbox"/> 4 – between 5,000 and 10,000 people; <input type="checkbox"/> 4.5– between 10,000 and 50,000 people; <input type="checkbox"/> 5 – more than 50,000 people.	0-5		
Community Morale E	Influence on community morale (multiple choice, 1.25 scores per item) <input type="checkbox"/> Basic living function; <input type="checkbox"/> local matter; <input type="checkbox"/> government matter ; <input type="checkbox"/> national matter ; <input type="checkbox"/> international matter ; <input type="checkbox"/> historical matter ; <input type="checkbox"/> social dignity matter; <input type="checkbox"/> national dignity matter	1-10		
Restoration Y	<input type="checkbox"/> When the damage level reaches 50%, the facility cannot resume normal operation within 72 hours.	1		
	<input type="checkbox"/> When the damage level reaches 50%, the facility can resume normal operation within 24 hours to 72 hours.	0.9		
	<input type="checkbox"/> When the damage level reaches 50%, the facility can resume normal operation within 24 hours.	0.5		
Substitutability Z	<input type="checkbox"/> 70% of the facility's function cannot be replaced by other facilities.	1		
	<input type="checkbox"/> 70% of the facility's function can be replaced by only one to two facilities.	0.9		
	<input type="checkbox"/> 70% of the facility's function can be replaced by more than two facilities.	0.5		

Total of risk assessment score (A + V + I + C + E) * Y * Z =	
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Remarks: Where there is any amendment to the table, please refer to the most recent version published by the Executive Yuan.

