Area-business continuity management web application model test plan

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Abstract: Disaster is the part to disrupt business, and flood is among the most occurrence of disaster that has impacted human life, economic losses, and structure. Many businesses may have to stop operations due to the impact of flooding, such as power outages or damage to machinery. JICA collaborated with the ASEAN Coordinating Centre for Humanitarian Assistance on Disaster Management to initiate a concept called Area-Business Continuity Management (Area-BCM) to enable businesses to continue operating amidst and reduce the impact of a disaster (Baba et al., 2013). Thailand is selected to launch the project by referring to the information from the 2011 great flood to be the case study inside the industrial areas in Ayutthaya Province (Kodaka et al., 2022). In the Area-BCM concept development process, the researchers develop a website application to support various stakeholders in the face of disasters by recognizing their importance and benefits.

In order to evaluate the desirability and usability of this toolkit, we planned the stakeholder users to participate in to be a part of the Area-BCM workshop. The workshop aims to share the concept and confirm the crisis response capabilities of an organization to improve BCP effectiveness and strengthen of Area-BCM system, foster awareness of Area-BCM, and examine issues with countermeasures for regional cooperation. The workshop is divided into three parts: the simulation exercise (Large-Scale Disaster Response Exercise), the Area-BCM seminars and group discussions on approaches and issues of regional cooperation, and the introduction to the Area-BCM toolkit chronologically. The research outcomes contribute to creating a typical timeline for Area-BCM and reaching a high maturity level in Area-BCM, the ability to make appropriate decisions in Alert Point and Moving with prioritize the Actions including understanding the relationships and interdependencies among Actions and Integrating all Items of the project to improve the effective execution of the toolkit.

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