

ICT
on Disaster
Response

Disaster Response Process Management System “BOSS”

BOSS makes “unclear” into “clear,” and “unable” into “able” in disaster response.

BOSS allows following on a web browser who, when, what, and how regarding disaster response, which enables unexperienced staff as well to respond to disasters smoothly. You can refer to a “task details sheet” and relevant documents linked to the sheet. Creating a flowchart of an entire disaster management and disaster response manuals enables you to easily follow the flow of the disaster response.

EJEC supports installation of the system in conjunction with revision of disaster management plans and disaster response manuals.

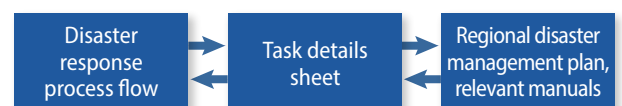
Featured Technology 1

You can grasp overall disaster response at a glance.

In large-scale disasters in the past, the challenge was that the tasks to be performed by each department were not clear at crucial moments. BOSS categorizes tasks required for disaster response and generates a flowchart. The tasks are linked to responsible departments, which enables you to follow the overall process and their respective roles. You can edit and update it at any time following the actual situation.

BOSS was developed on the initiative of Numada Laboratory of the University of Tokyo as part of the Regional IoT Implementation Promotion Project led by the Ministry of Internal Affairs and Communications of Japan. The municipality that introduced BOSS was awarded the Excellent Policy Award by the National Governors’ Association in 2019.

You can review and update the information in the system at any time on a web browser.



[Normal Mode]
BOSS can be used as a database in normal times. Visualize overall disaster response and the flow. Clarify responsible departments and specify tasks regarding disaster response.

[Disaster Response Mode]
BOSS manages the work processes during disasters. Report the response status and manage the progress in disaster mode.



You can easily refer to regional disaster management plans.

In task details sheets, you can register basic information about each process (responsible departments, task summaries, procedures, etc.) and checklists to follow progress in an event of a disaster.

Relevant pages of the regional disaster management plan are linked to the task details sheets, and you can easily jump to the relevant pages for reference. You can also download documents such as manuals, application forms, and laws and regulations.

Featured Points

- ▶ Disaster Response mode to be utilized in the event of a disaster
 - Highlight tasks of a selected department.
 - Manage progress of the entire operation at the emergency operation center.
- ▶ Sharing information dispersed on different departments
 - Share manuals and guidelines.
 - Share issues and lessons learned in the past disasters.
- ▶ Disaster response without leaving out any tasks
 - Generate checklists linked to flowcharts.
 - Share disaster response status among municipalities.
- ▶ Effective training
 - Train staff for them to understand the overall disaster response operation.
 - Create opportunities to update and share contents.

The task details sheets are linked to the regional disaster management plan.



The links lead to relevant pages of the regional disaster plan and manuals.



Introduction video of BOSS is available on the YouTube Channel of The Ministry of Internal Affairs and Communications (*The video is in Japanese only)



Standard installation cost

- Initial cost: Create accounts, set up departments, etc.
 - Initial installation support:
 - Customize task flows
 - Link regional disaster prevention plans to the system, register reference documents, structure relevant disaster prevention plans required for the installation, etc.
- *Please consult us regarding details of support and additional staff training.

Municipalities	Initial cost	Annual fee
Prefectures	350,000 JPY	780,000 JPY
Prefectural seats and ordinance-designated cities	300,000 JPY	480,000 JPY
Cities	250,000 JPY	420,000 JPY
Towns and villages	200,000 JPY	300,000 JPY
Cost for initial installation support	1,500,000 JPY or more	

Municipalities that have introduced BOSS

1. Kumamoto Prefecture and municipalities in the prefecture
BOSS has been introduced to manage the regional disaster prevention plans and the documents of the disaster response in the 2016 Kumamoto Earthquake.
2. Kobe City in Hyogo Prefecture
BOSS has been introduced to manage the regional disaster prevention plan, BCP, the plan for reception of support, and the wind and flood damage timelines.
3. Kawasaki City in Kanagawa Prefecture
BOSS has been introduced for shelter management.
4. Kisarazu City in Chiba Prefecture
BOSS has been introduced to manage the regional disaster prevention plan and the relevant manuals.
5. Minamiizu Town in Shizuoka Prefecture
BOSS has been introduced to manage the regional disaster prevention plan and the relevant manuals.
6. Tanohata Village in Iwate Prefecture
BOSS has been introduced to manage the regional disaster prevention plan. The regional disaster prevention plan can be updated on BOSS.
7. Mie Prefecture
BOSS has been introduced to manage the guidelines for disaster response task force activities. The regional disaster prevention plan and the plan for reception of support have been linked to the guidelines.
8. Joso City in Ibaraki Prefecture
BOSS has been introduced to manage the regional disaster prevention plan, BCP, the plan for reception of support, and the wind and flood damage timelines.