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The following are measures to prevent conflicts between systems and canceling each other's actions.

(1) Separating the responsible range

For each system, separate the responsible ranges, such as the electrical phenomenon, or the operation area. Exclude interdependency from the range where each system monitors/prevents the interference in other range.

(2) Setting of the order of priority

Set the order of priority for each system.

At normal conditions, the operation is based on the calculation result from the highest priority system (when it becomes difficult to maintain the function of the system due to errors.. etc., switch the operation to be based on the next highest priority system).

Exclude interdependency from the range where each system monitors/prevents the interference in other range.

AI2AI interoperability needs to be developed.

For complex electrical phenomena with interdependencies, the following AI2AI interoperability needs to be developed in order to maximize the individual performance of multiple AI-based systems as well as to improve the overall system performance.

(3) Multi-stage collaboration based on coordination of calculation results

Set the order of priority and the responsible ranges. Then, operate in parallel and coordinate the calculation results.

The lower priority system incorporate the calculation result from the higher system. Therefore, the calculations of lower priority system are in the range that meets control performance required in the responsible range of the higher system.

Prevent the counteraction between systems and unnecessary cancellation of mutual actions to maintain the control performance based on the order of priority.