ABSTRACT

Cause-effect relationship data indicating a cause-effect relationship between multiple causes resulting in trouble is stored in a server apparatus. The server apparatus receives various types of attribute values relating to a ship or an environment in which the ship is located, via a communication satellite, for example. The cause-effect relationship data indicates a tree structure in which incidents that cause trouble are nodes, and rules for specifying risk indices indicating likelihoods that the incidents corresponding to the nodes will occur. The server apparatus specifies the risk indices of the nodes from leaf nodes to root nodes in accordance with the specifying rules indicated by the cause-effect relationship data, based on the received attribute values. The terminal apparatus receives notification data for performing notification of the risk indices specified by the server apparatus. The terminal apparatus displays the risk indices indicated by the received notification data.