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A basic study of ship evacuation from tsunami attack

[Shouta Yoneda](#), [Eiichi Kobayashi](#), [Shunichi Koshimura](#), [Shouhe Nanba](#) and [Masaya Shimanoue](#)

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Summary: It is concerned about the occurrence of huge earthquake on Nankai Trough off the coast of Shikoku such as Tokai, Tou-Nankai and Nankai earthquake. Tsunami attack by the earthquake will generate not only the raise of sea surface but strong horizontal current in the Osaka bay. There are some manuals for ship evacuation which describe only that ship in harbor should leave the port immediately. Moreover there are so many ships that are navigating and moving. Therefore, it is very important for marine disaster prevention to upgrade the manual of ship evacuation in tsunami attack. We carried out several kinds of preliminary simulation of ship evacuation from tsunami attack in Osaka bay for the purpose of contribution to the improvement of such manuals under the background.. The results show that it is difficult for every ship to evacuate to outside of Osaka bay through Tomogashima channel and Akashi straits. But it is possible to evacuate to nearest anchorage zone of each port. The manual will be improved by piling such examinations as evacuation simulation

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