

Acoustic Interference

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Abstract

Acoustic interference can be a problem for operations when several acoustic systems and/or many transponders are in use or deployed within reach of each other. The interference can cause both erroneous measurements and loss of position. The reason for this is the relative small bandwidth that is in use on hydro acoustic systems, causing all to operate very close in frequency. Various types of systems will have different qualities for suppressing interference.

By good knowledge of systems involved and good planning acoustic interference for offshore operations can be minimized.

Acoustic interference arises when more than one underwater acoustic system is active simultaneously within range of each other. The equipment can be installed on one common vessel or on several vessels operating in the same area.

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