

Collision Avoidance through Real-time Communication

<Concept>

Assistance for decision making to avoid collisions through real-time communication between ships.

<Roles>

Realizing the danger of collision with Ship B, Ship A proposes an intended route (route change) to Ship B.

Receiving the proposal by Ship A, Ship B accepts it or makes a counterproposal.

After both ships agree with the intended routes (route changes), Ship A and B distribute the information on intended routes to other ships likely to be affected by the route changes.

<Benefits>

All ships can understand other ships' intention, and take action as appropriate.

Automatic Communication with Ships

Utilization of, for example,

- Sophisticated use of AIS
- Advanced radar
- Advanced ARPA
- Advanced image sensor

