

Middleware for Maritime Mesh with Satellite Communication (MMMS)



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Collaborating with



At a Glance

- MMMS provides always-on connectivity to maritime applications
- Joint working of NICTA's satellite router middleware and I²R's maritime Mesh system
- Objective:
 - Improve the performance, capacity and reliability of an unreliable system.



What's Under the Hood

- Intelligent network switching and application traffic routing enables efficient use of mesh and satellite networks
- The use of Resilient Networking technology for non-time critical applications.

The Benefits

- Better connectivity for critical maritime applications
- Improved reliability of the Mesh Network system
- Increased network capacity/bandwidth for maritime applications.

NICTA Approach

- Developing an intelligent network switching and routing mechanism between I²R Maritime Mesh Network and the NICTA's Satellite router
- Optimised protocols used, matching the communication characteristics.