

## Client

### Australian Fisheries Management Authority

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## Client Overview

The Australian Fisheries Management Authority (AFMA) is the statutory authority responsible for the efficient management and sustainable use of Commonwealth fish resources on behalf of the Australian community.

As part of those responsibilities, AFMA monitors over 400 vessels within the Australian Exclusive Economic Zone using a Vessel Monitoring System (VMS).

## Project Details

During 1999 AFMA conducted a restricted evaluation of competitive systems to select a software supplier. As a result the Absolute Vessel Monitoring System platform was adopted by AFMA and has remained in place since.

In 2003 the system was extended to incorporate access by Australian Customs (Coastwatch). Similar Absolute Vessel Monitoring Systems are used for fisheries enforcement by various Australian state agencies .

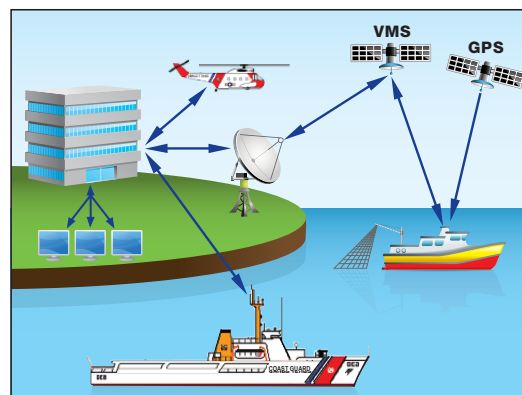
In 2005 the system was upgraded to SmartTRAC™ Thin Client architecture, and the number of Surveillance Client Terminals increased along with support for remote wireless access for Fisheries Officers and data exchange interfaces to other VMS systems, in particular CCAMLR, were implemented.

In 2009 the process of integrating VMS data within Australia's overall Common Operating Picture (COP) of Maritime Activity commenced. The LRIT ASP data format was selected for this purpose, such that Australia's VMS and LRIT systems could be integrated in accordance with SOLAS V/19-1 paragraph 8.4.

Data from the VMS system is routinely used to initiate investigations, as evidence to support prosecutions and to generate statistical information for use in fish stock assessments and planning. Security & Confidentiality of information are key contract requirements, with the system operating under equivalent standards to those imposed on Sensitive but Unclassified (SBU) government computer systems.

## Key Facts

- **Vessel Monitoring System (VMS), incorporating LRIT feed per SOLAS V/19-1 paragraph 8.4.**
- **Awarded 1999, ongoing contract**
- **Total value \$650K USD**
- **400 ships monitored**
- **10 users, in 3 locations**
- **Inmarsat-C, IsatM2M**



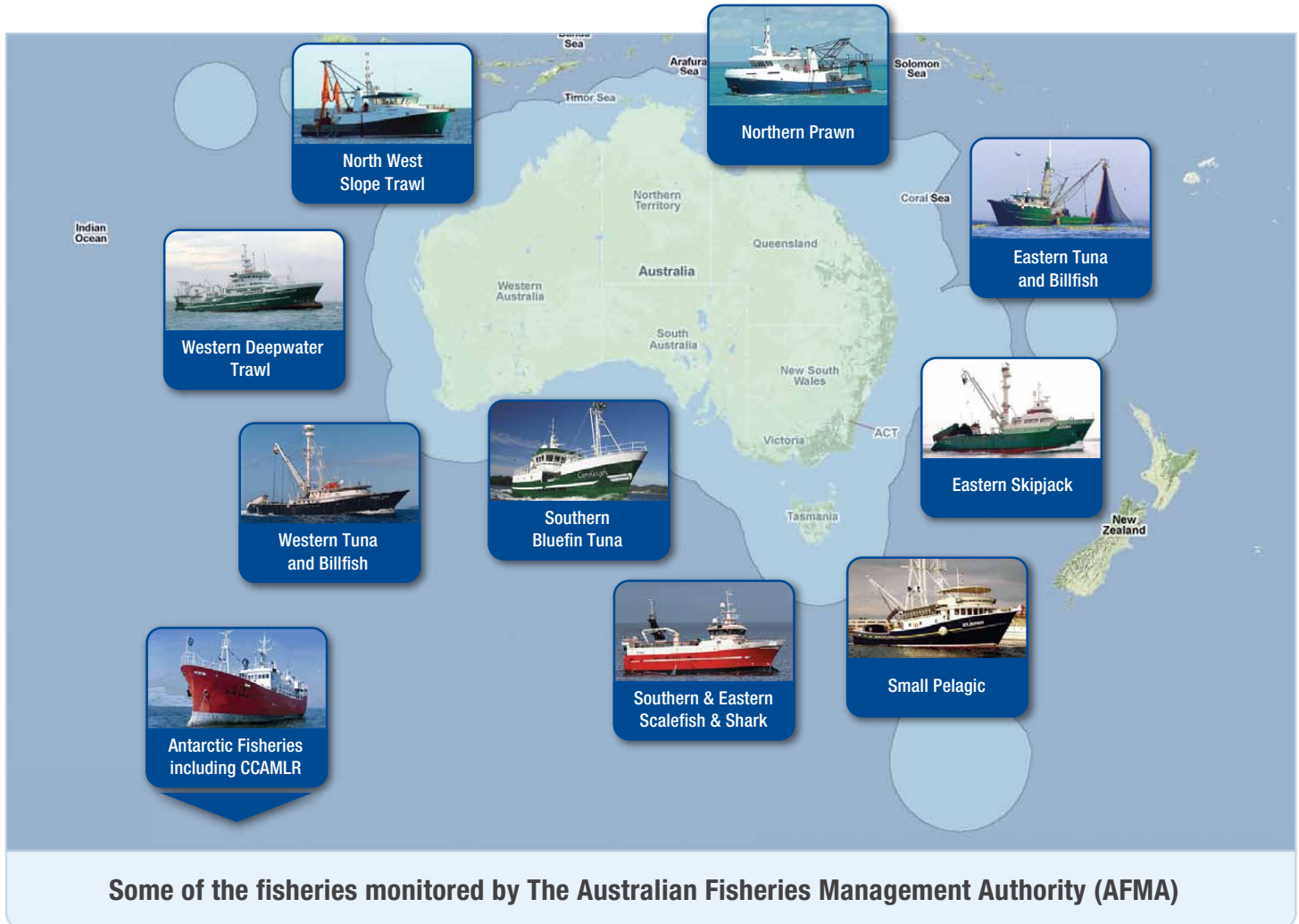
Components of the Vessel Monitoring System



Extent of the Australian fishing zone

## Managing Over 52,000 Tonnes of Catch Annually

AFMA provides professional observer services to domestic and foreign fishing vessels operating within the Australian Fishing Zone (AFZ), including sub-Antarctic territories and waters controlled under the Commission for the Conservation of Antarctic and Marine Living Resources (CCAMLR).



### The AFMA Commonwealth Fisheries

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|--|--|
| Antarctic                                    | Small Pelagic                            |
| Bass Strait Central Zone Scallop             | Southern and Eastern Scalefish and Shark |
| Christmas Island and Cocos (Keeling) Islands | Southern Bluefin Tuna                    |
| Coral Sea                                    | Southern Squid Jig                       |
| Eastern Tuna and Billfish                    | South Tasman Rise                        |
| Norfolk Island                               | Torres Strait                            |
| North West Slope Trawl                       | Western Deepwater Trawl                  |
| Northern Prawn                               | Western Tuna and Billfish                |
| Skipjack Tuna                                |  |

