



**Asia-Pacific
Economic Cooperation**

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New Zealand's Approach to Monitoring, Control Surveillance and Enforcement

Purpose: Information
Submitted by: New Zealand



**4th APEC Ocean-Related Ministerial
Meeting Xiamen, China
28 August 2014**

Ministry for Primary Industries
Manatū Ahu Matua



New Zealand's Approach to Monitoring, Control Surveillance and Enforcement

Getting better value from our fisheries resources through technological innovation

Roger Smith, Deputy Director General for China Relations – Ministry for Primary Industries

Growing and Protecting New Zealand



www.mpi.govt.nz

MCS & E approach in New Zealand

- Our objective
- Maximising voluntarily compliance
- Effective deterrence

NZ FISHING RULES

The Ministry for Primary Industries (MPI) has developed free services to make checking the recreational fishing rules easier.

NZ FISHING RULES APP

Get fish species information on-the-go with the MPI Recreational Fishing App. The app:

- helps you to identify recreational fish species
- displays useful information such as the minimum legal size and area bag limits
- contains short useful video such as how to release undersize fish correctly and also how to measure and determine the sex of crayfish.

Download
The app is available on both the [Apple AppStore](#) and [Android Market](#) – for more information, click on an icon or text the word APP to 9889 (it's free) and get the links sent to your phone.

FREE TEXT 9889

Get size restrictions and bag limits for fish species sent directly to your phone.

- Free text the name of the fish species (e.g. blue cod) to 9889.
- We'll reply with the size restriction information instantly for free.
- If you need to know the limit, reply with 'limit' and we'll send you that too.

REGIONAL OFFICES

Your [local MPI Office](#) can provide you with [printed brochures](#) and expert advice.

VIDEOS

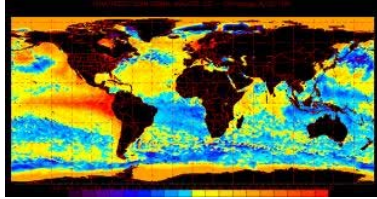
View some helpful [video guides](#) about recreational fishing, netting, potting, paua and crayfish...

NZ Fishing Rules App – using technology to maximise voluntary compliance

MCS & E tools

- Suite of MCS tools
- National Plan of Action for IUU fishing
- FAO Port State Measures Agreement

Technology helping MCS



Technology enables more targeted and better targeted MCS&E activity

- Monitoring tools
 - Satellite tracking of vessels (VMS)
 - Remote sensing data (sea surface temperature, chlorophyll, surface currents),
 - Electronic catch/effort reporting
 - Development of MPIs new compliance database tool (FOCUS)

Technology and monitoring – continued

- Aerial surveillance platforms
- UAVs and drones in the future
- Motion controlled cameras
- Bio-chemical analysis of fish/shell fish

Observers and electronic monitoring

- Use of observer coverage
- Potential of electronic monitoring by observers

IMCS and the 5th Global Fisheries Enforcement Workshop

- New Zealand will host the next IMCS Network workshop
- March 2016 in Auckland
- E-monitoring

Electronic monitoring by camera

- Difficulties with observer coverage in inshore fisheries
 - Logistical and operational constraints
 - "Observer bias"
- Issues faced in trials

Electronic monitoring - continued

- Why do we need better information?
- Project objectives