MONTENEGRO

GFCM

Vessel Monitoring System in Montenegro

Nada LAKICEVIC
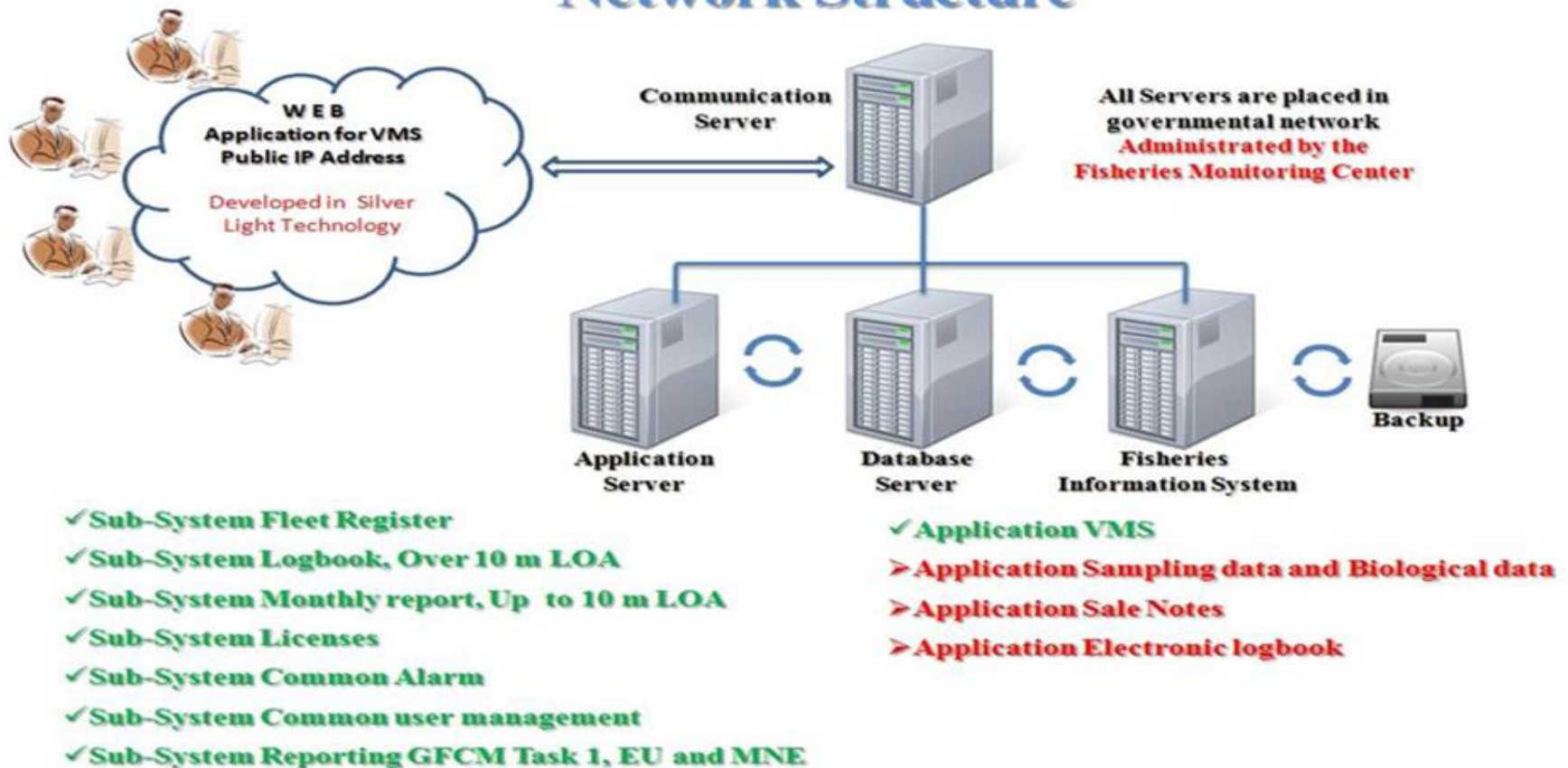**nada.lakicevic@mpr.gov.me**

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Vessel monitoring system

➢IPA 2009 Project '' Sustainable development of marine fisheries

➢Ministry of Agricultire and Rural Development – Fishery unit

➢Law on marine fisheries and mariculture (OG 56/09)

➢Bylaw - The type of satellite monitoring system of fishing vessels and type of fishing vessels for which system is established.

➢Fisheries Information system - FIS

Fisheries Information System

Network Structure

Communication Server

WEB Application for VMS Public IP Address

Developed in Silver Light Technology

All Servers are placed in governmental network Administrated by the Fisheries Monitoring Center

Application Server

Database Server

Fisheries Information System

Backup

✓ Sub-System Fleet Register
✓ Sub-System Logbook, Over 10 m LOA
✓ Sub-System Monthly report, Up to 10 m LOA
✓ Sub-System Licenses
✓ Sub-System Common Alarm
✓ Sub-System Common user management
✓ Sub-System Reporting GFCM Task 1, EU and MNE

✓ Application VMS
➢ Application Sampling data and Biological data
➢ Application Sale Notes
➢ Application Electronic logbook

Korisnici u sistemu RIS-a

Korisnički podaci

Korisnik:	Deniz Frljuckic
Korisničko ime:	Deniz_RMC
Lozinka:	•••••••
Potvrda lozinke:	

[Novi korisnik] [Sačuvaj] [Odustani]

Uloge korisnickih prava u sistemu RIS-a:

Korisnik VMS
Operater - unos podataka o ulovu
Operater - unos podataka o dozvoloma
Operater - unos podataka o plovilima
Administrator sistema
Default uloga u sistemu

Uloga i prava u sistemu

Administrator sistema

[Nova uloga] [Snimi] [Obriši] [Odustani]

- ☑ Izmjena dozvole
- ☑ Ponistenje dozvole
- ☑ Brisanje dozvole
- ☑ Stampa i produzenje dozvola
- ☑ Dnevnik ulova
  - ☑ Primopredaja dnevnika
    - ☑ Registracija dnevnika
    - ☑ Pregled i izmjena dnevnika
  - ☑ Evidencija ulova
    - ☑ Dnevnik ulova za velika plovila
    - ☑ Dnevnik ulova za mala plovila
- ☑ Izvjestaji
  - ☑ GFCM Task1 izvještaj
  - ☑ Izvještaj2
- ☑ Sifarnici
  - ☑ Gradovi i luke
  - ☑ Vlasnici i agenti
- ☑ Alarm sistem
  - ☑ Pregled alarma
  - ☑ Podesavanja alarma
- ☑ Administracija
  - ☑ Korisnici

Korisnici sistema

ID	Korisnik	Korisnicko ime
1	Andrija Jovanovic	andrija
2	Denis Frljuckic	denizf
3	Deniz Frljuckic	Deniz_RMC
4	Srdjan Mugosa	Srdjan
5	Ana Pesic	Ana_IBM
6	Miomir Tapuskovic	Insp_Miomir
7	Nada Lakicevic	Nada
8	Milena Krasic	Milena
9	Ljiljana Bubonja	Insp_Ljilja
10	Radovan Bjelanovic	Insp_Radovan

VMS TRANSPONDERS

Characteristics of transponders used by montenegrin fishing vessels:
- lower operating costs and high frequency of position reports at the same time;
- seamless automatic switching from GPRS to SAT channel and viceversa;
- low installation cost and improved safety and security through one-cable installation, connecting the device to the power source;
- no need for any on-site intervention using over the air firmware upgrading;
- reliable and cost-efficient operation through a robust and maintenance-free device;
- enables integration with the existing FMC infrastructure regardless of the communication channel;
- operates for up to 3 full days on battery in the event of a power failure;
- simple mounting with a RailMount or UniMount mounting kit;
- fully compliant with Council Regulation (EC) Nos.2371/2002 and 1224/2009.

COMMUNICATIONS

Frequency

GPRS: One message every 15 minutes.
Satellite: One message every 2 Hours
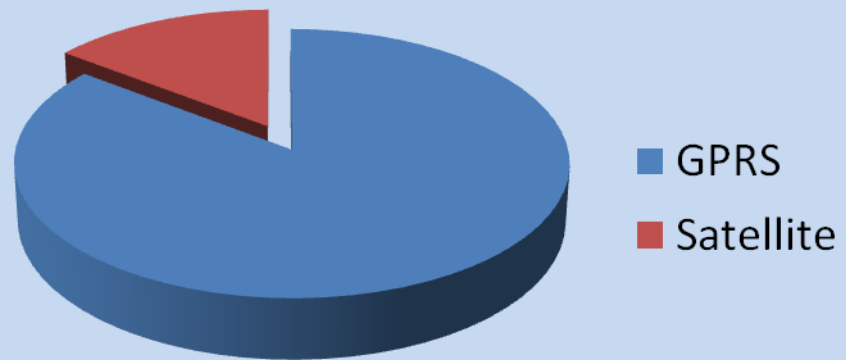
■ GPRS
■ Satellite

85% of transmissions were made using GPRS

VMS
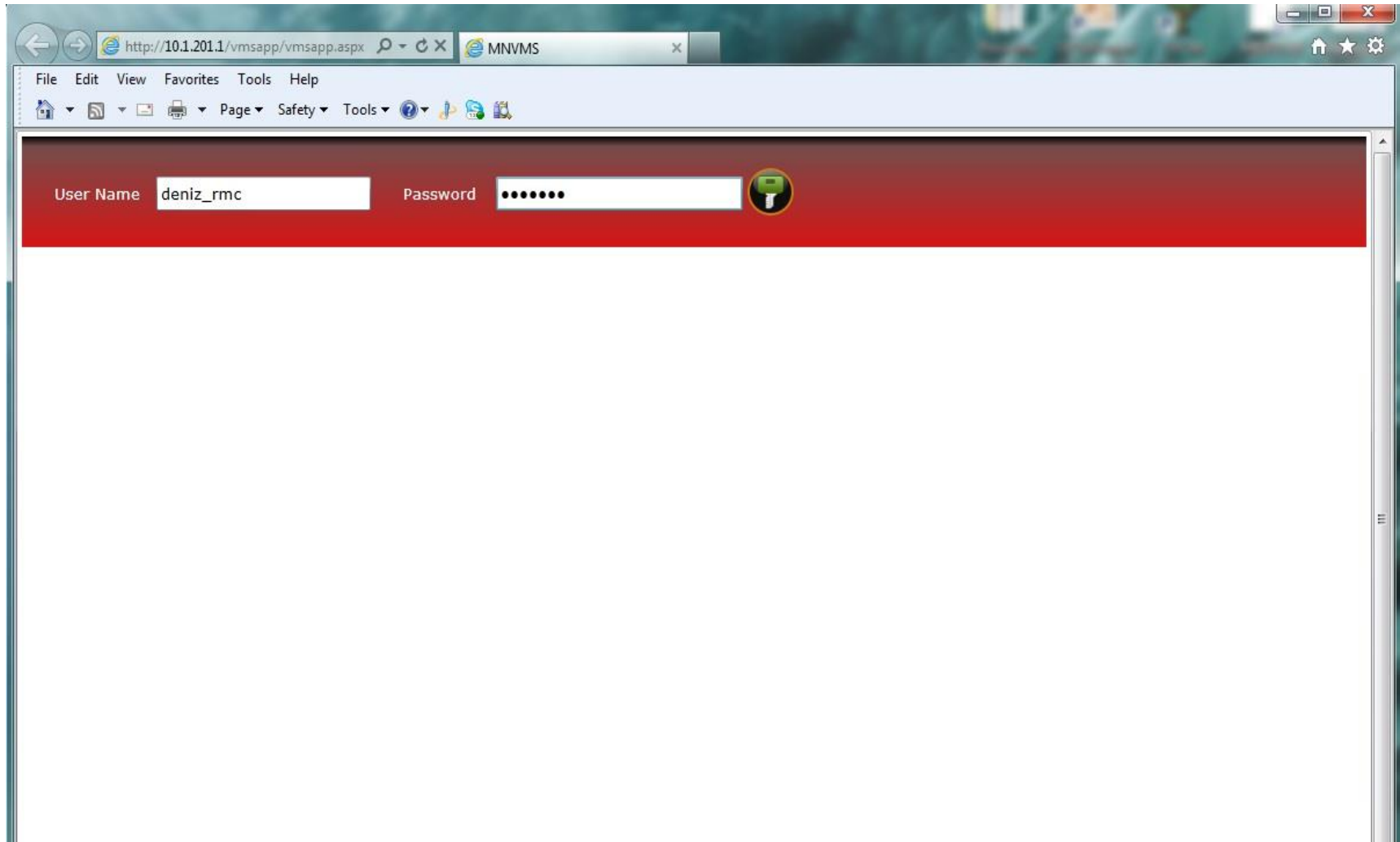
MONTENEGRO

Fisheries
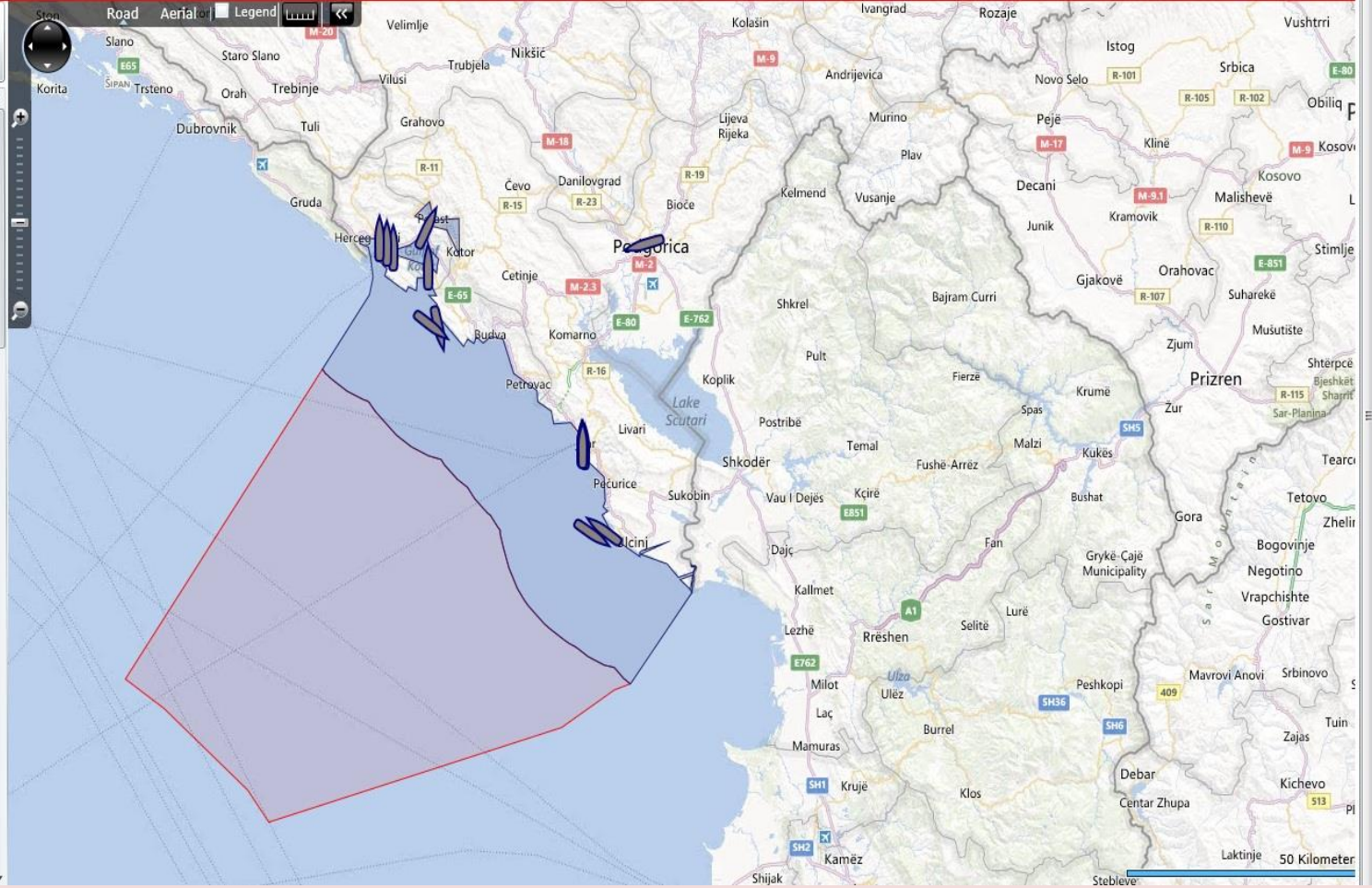
Default items

Vessel List.

Current position of vessels

Information about positition , speed and course

Vessel Tracking

Tracking can be performed selecting 2 dates, number of tracking points or a single fishing trip

Fishing events
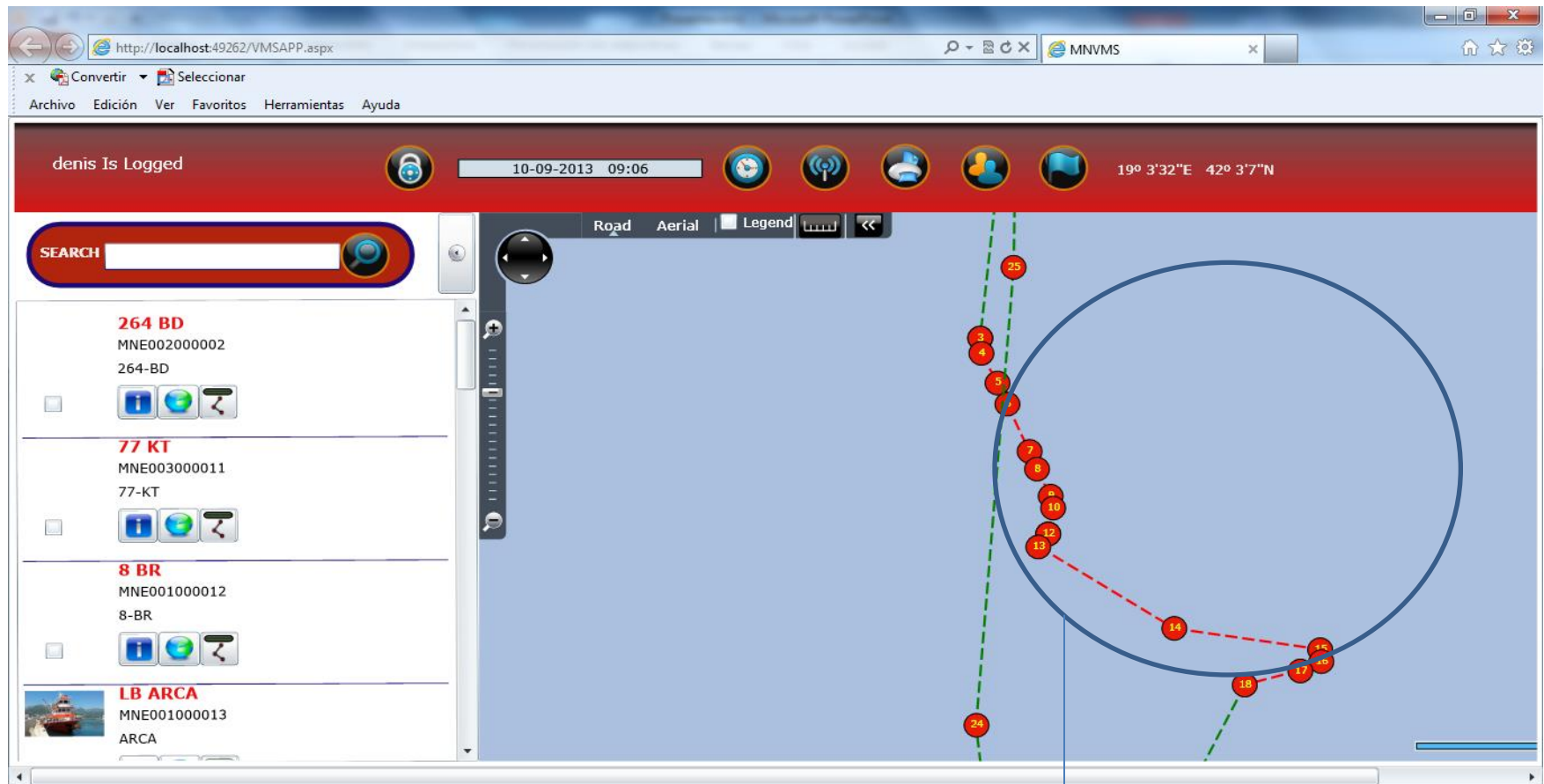
Fishing events are detected by vessel speed.
Less than 2 knots is considered a fishing event

Fishing events are identiifyed as a red line

Tracking sections

Information betwen two tracking points

Vessel information

VMS application is fully integrated with Vessel Registration System. All information collected by Vessel registration system can be queried in VMS application.

Vessel licence

Licence data is shown in VMS program

Port Scope

Port scopes can be defined in the program. This areas are important for fishing trip calculation.

Distance calculator
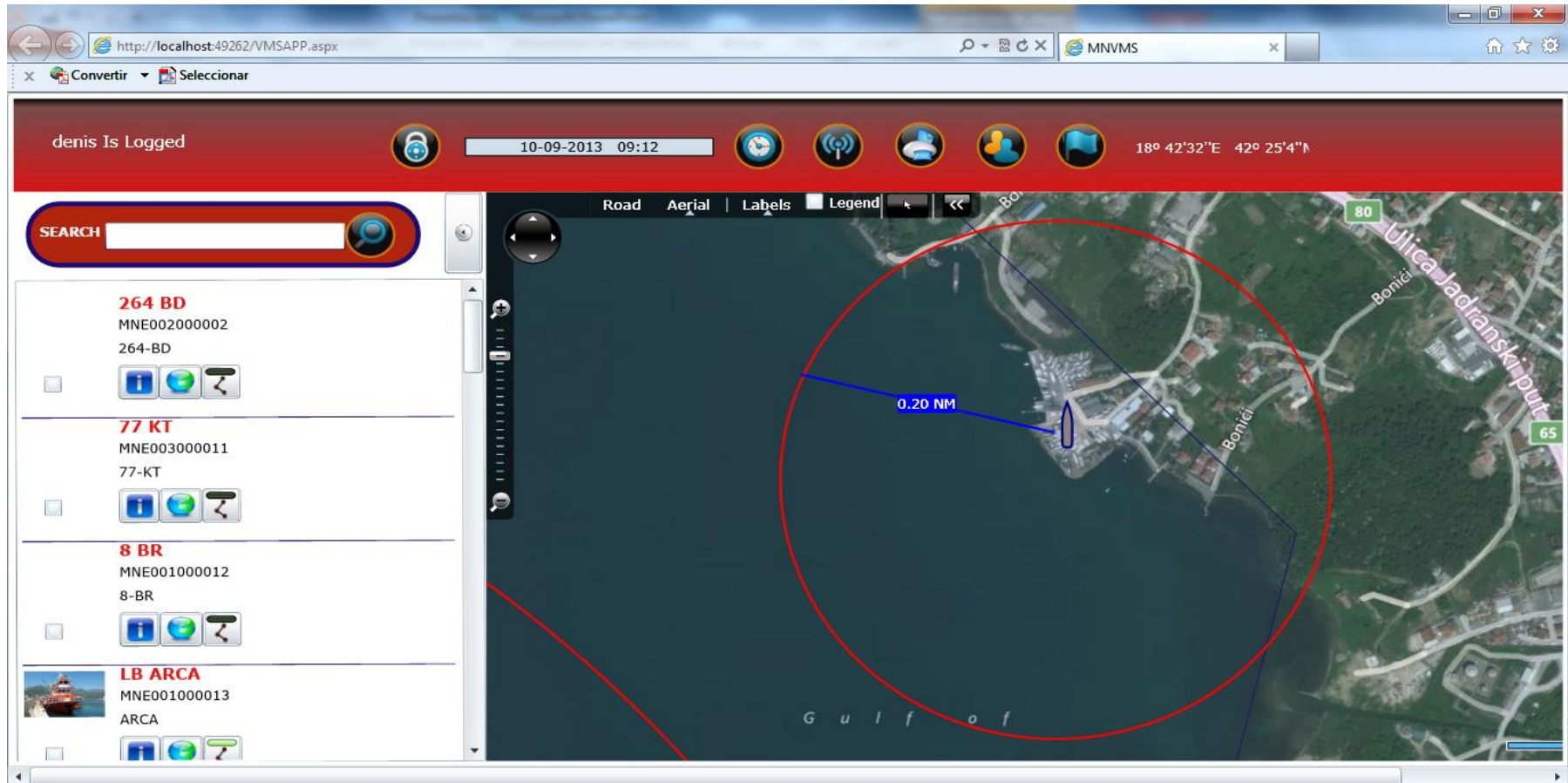
By clicking the initial and final points the distance is calculated in miles

Thank you for your attention!