

Fisheries Monitoring Center



Republic of Korea

Aug 2016

Contents



Chapter

Fisheries Monitoring Center

- 1. Organization and History
- 2. Function and Role
- 3. IUU Response System







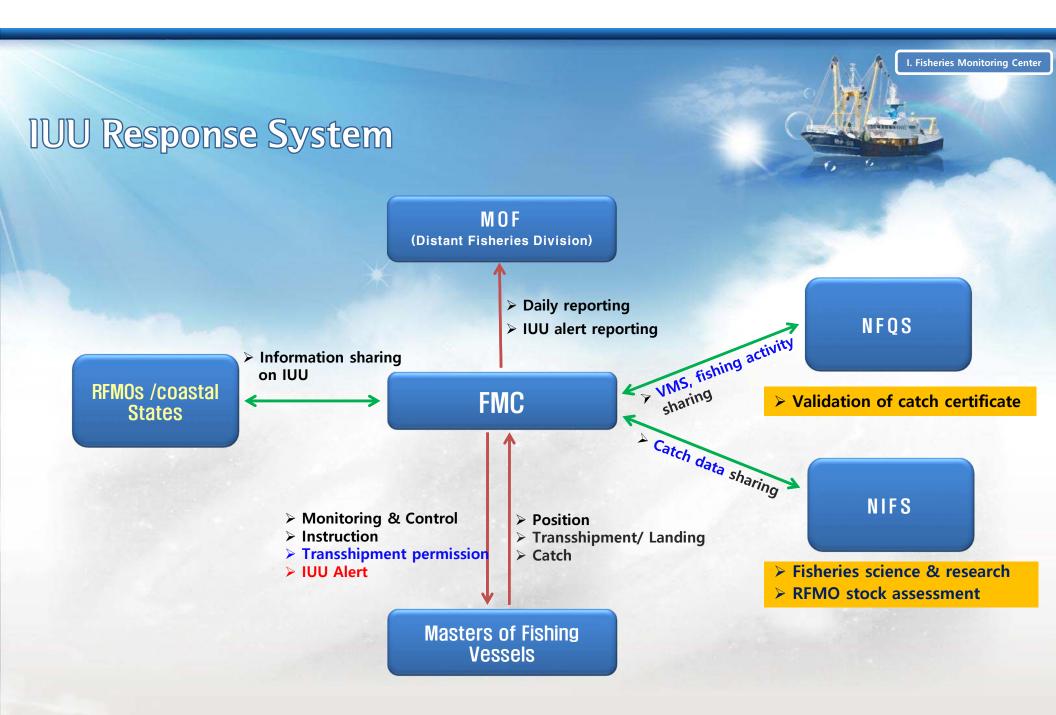






Organization

Ministry of Oceans and Fisheries East Sea Fisheries Management Service **Fisheries Monitoring Center** Int'l **Data** Management Monitoring **Analysis** Cooperation Support **Team Team** Team **Team**





| Fisheries Monitoring System

- 1. Schematic of FMS
- 2. System Overview
- 3. Korean Fisheries Information Management System (KFIMS)
- 4. Schematic of Electronic Monitoring (EM)









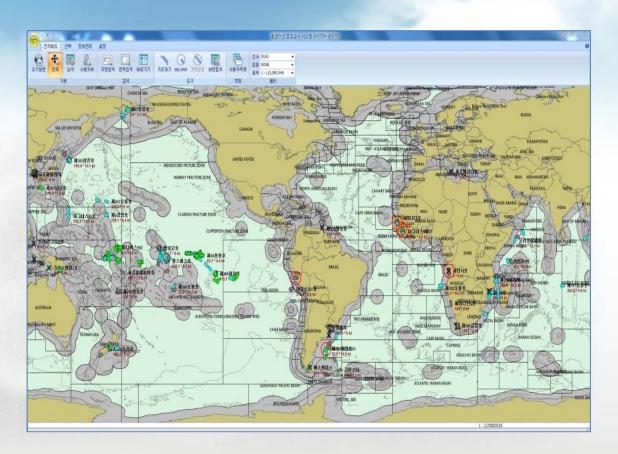


System Transition

Version 2 FMS = VMS + ERS (Sep 2015)

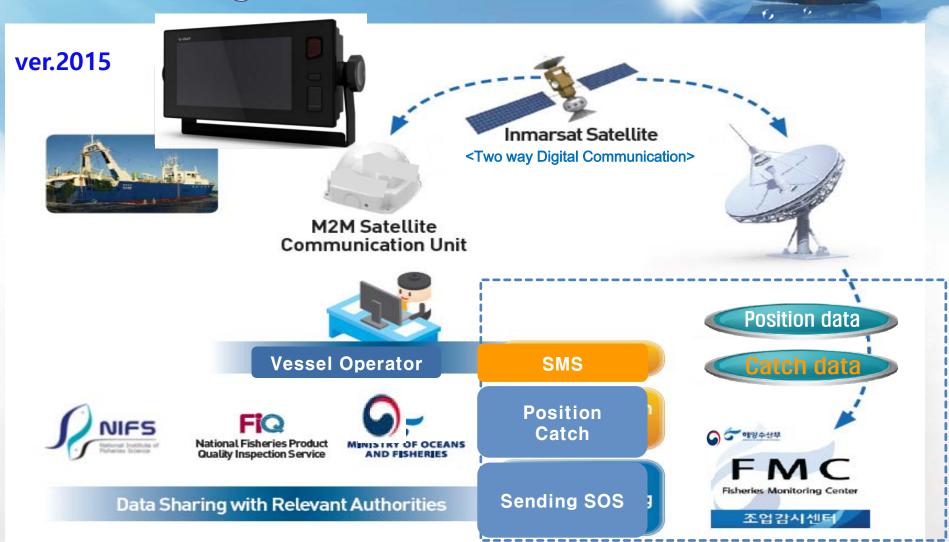
Version 1 VMS (May 2014)







Data Flow Diagram

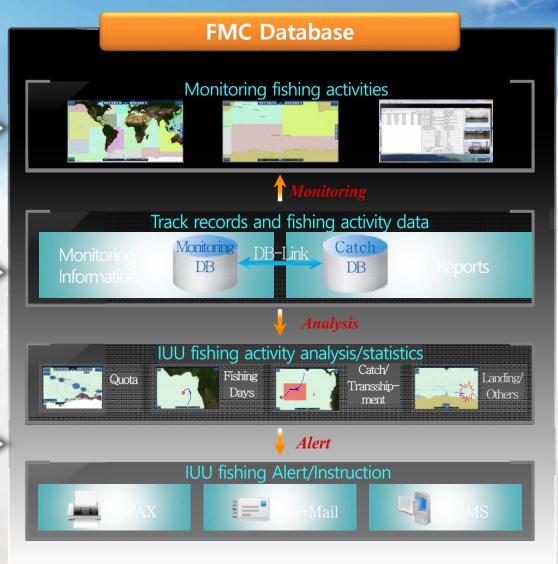


System Overview









Relevant Authorities Policy-Making Intl. affairs • Catch Reports



- Relevant Statistics

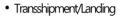


- Port State Inspection
- CC validation
- Statistics

Vessel Operator

Web Service

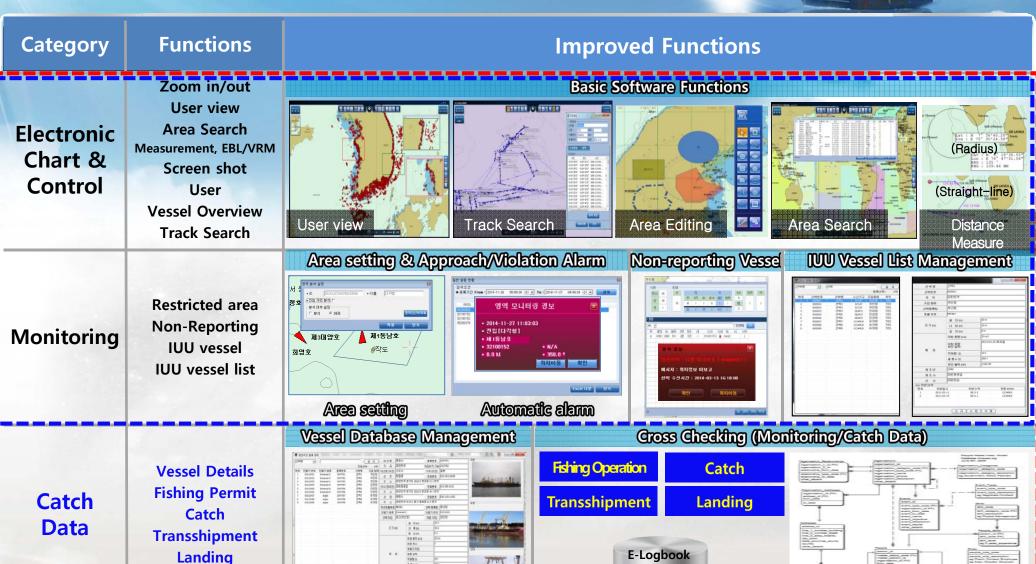




• Vessel/Operator Details

System Functions

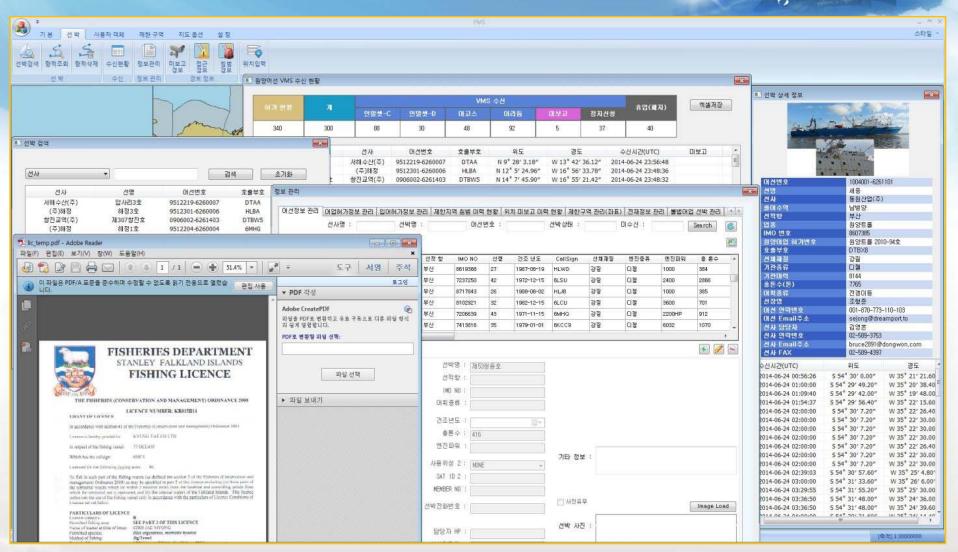


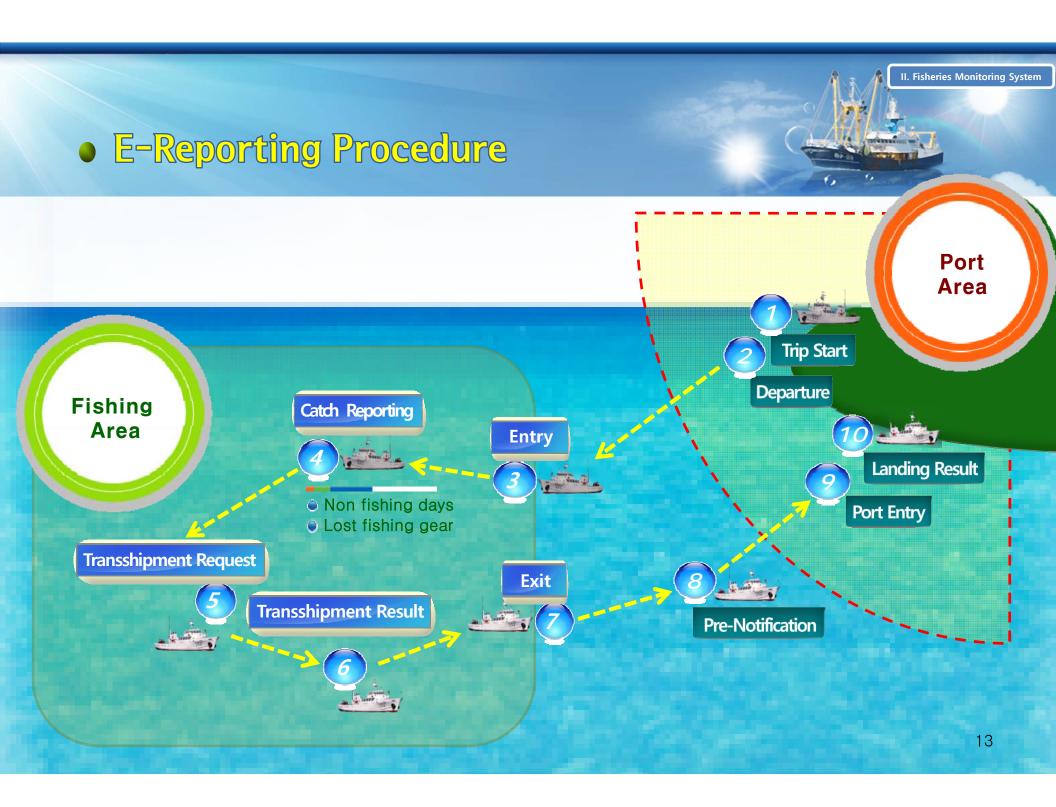


Data Base

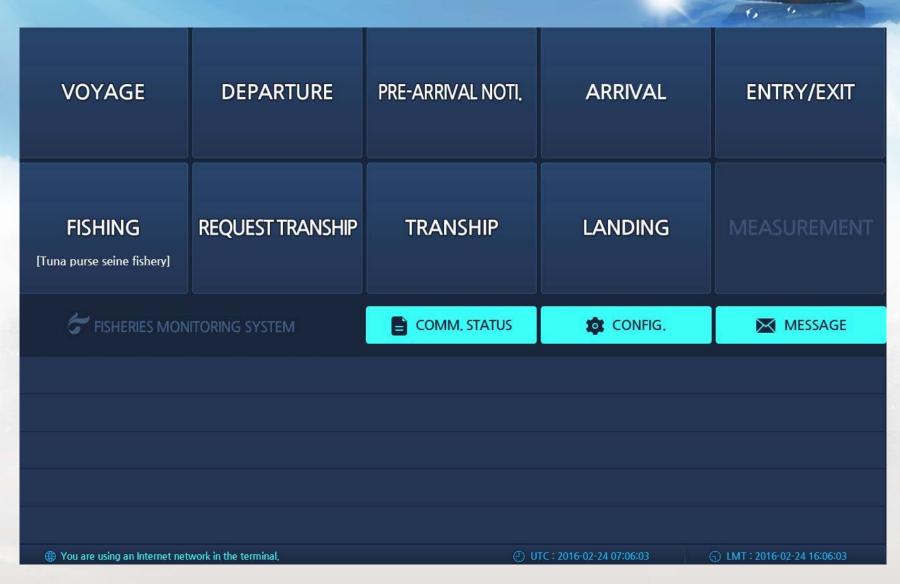
II. Fisheries Monitoring System

(Screen Shot) System Database Display





• ERS Unit Main Screen



• ERS Unit Catch Report Screen



KFIMS (Korea Fisheries Information Management System)

FMC Data Management

Monitoring Database

- Position(Track Record)
- Vessel Specification
- Vessel Operator

DataBase Link

Catch Database

- Catch
- Landing
- Transshipment
 Others

Data-link Solution

Web Service



- Position Report
- Catch Report
- Transshipment/Landing
- Vessel (Operator) specification



Vessel Operator



II. Fisheries Monitoring System

• KFIMS Main Screen



Q 선박명 검색 고 검색

+ 더보기

수역별 쿼터량

FMC 님 방문을 환영합니다! =그아웃

조업정보 쿼터량정보 입출항정보 결재정보 기본정보 기타관리 선사별 쿼터량

| 선사명 | 쿼터량 | | | |
|----------|------------------------|--------|-----|--|
| 신사병 | 현재 / 전체 | 백분율 | 그래프 | |
| 사조산업(주) | 6,933,983 / 11,868,593 | 58.4 % | | |
| 사조씨푸드(주) | 90,783 / 887,065 | 10.2 % | | |
| (주)사조대림 | 383,929 / 5,246,952 | 7.3 % | | |
| (주)쓰리티오션 | 104,631 / 1,719,589 | 6.1 % | | |
| 동원산업(주) | 311,693 / 7,034,639 | 4.4 % | | |

| 수역명 | 쿼터량 | | | |
|-------------|------------------------|--------|-----|--|
| 778 | 현재 / 전체 | 백분율 | 그래프 | |
| 전미열대다랑어위원회 | 6,946,812 / 13,946,687 | 49.8 % | | |
| 중서부태평양수산위원회 | 785,512 / 26,805,666 | 2.9 % | | |
| 러시아연방 | 302,160 / 31,950,000 | 0.9 % | | |
| 남방참다랑어보존위원회 | 0 / 1,095,370 | 0.0 % | | |
| 대서양참치보존위원회 | 0 / 1,539,264 | 0.0 % | | |

| 정보수정신청 | | | | | [# | 더보기 |
|----------------------------|------------------|----------|---------------|----|---|-----|
| 전체 | . 신청 \ 중인 | 1 / 반려 / | | | | |
| 신청일시 | 선사명 | 선박명 | 수정정보 | 사유 | 요청내용 | 상태 |
| 2015-10-27 00:09:34.173 | 신라교역(주) | 신라하비스터 | 입출항정보 > 출역보고 | 오기 | 출역수역 WCPFC→KI로 변경 요청 | 승인 |
| 2015-10-26 07:52:31.5 | 신라교역(주) | 신라하비스터 | 입출항정보 > 출역보고 | 오기 | 출역수역 WCPFC→KI로 변경 요청 | 반려 |
| 2015-10-26 07:49:38.373 | 신라교역(주) | 신라하비스터 | 입출항정보 > 입역보고 | 오기 | 입역수역 WCPFC→KI로 변경 요청 | 승인 |
| 2015-10-26 05:43:31.423 | 동원산업(주) | 블루오션호 | 조업정보 > 양륙결과정보 | 오기 | 가다랑어 양륙중량 240,000kg > 240,735kg 수 정신고드립니다. | 승인 |
| 2015-10-23 03:00:11.73 | 코삭교역(주) | 에스티디1호 | 조업정보 > 양륙결과정보 | 오기 | 조업수역 : '증서태평양 ' (FAO 71해구) 로 수정 요청. WCPFC 아님. | 승인 |

| 입출항보고 입출 | 역보고 전재일 | '과보고 양륙결 | Design (| | |
|-----------------------|---------|----------|----------|--------------------------|-----------------------|
| 보고일시 | 선사명 | 선박명 | 형태 | 입/출항일 | 입/출항항구 |
| 2015-11-01 01:02:51.0 | (주)지오엠 | 지오엠 379 | 입항 | 2015-11-02 00:00:00.0 | 뉴질랜드 BLUFI HARBOUR |
| 2015-11-01 01:00:31.0 | (주)지오엠 | 지오엠 379 | 입항 | 2015-11-02 00:00:00.0 | 뉴질랜드 BLUFI HARBOUR |
| 2015-11-01 00:14:24.0 | (주)지오엠 | 자오엠 379 | 입항 | 2015-11-02 00:00:00 0 | 뉴질랜드 BLUFI HARBOUR |
| 2015-11-01 00:02:11.0 | (주)지오엠 | 지오엠 379 | 입항 | 2015-11-02 00:00:00.0 | 뉴질랜드 BLUFI HARBOUR |





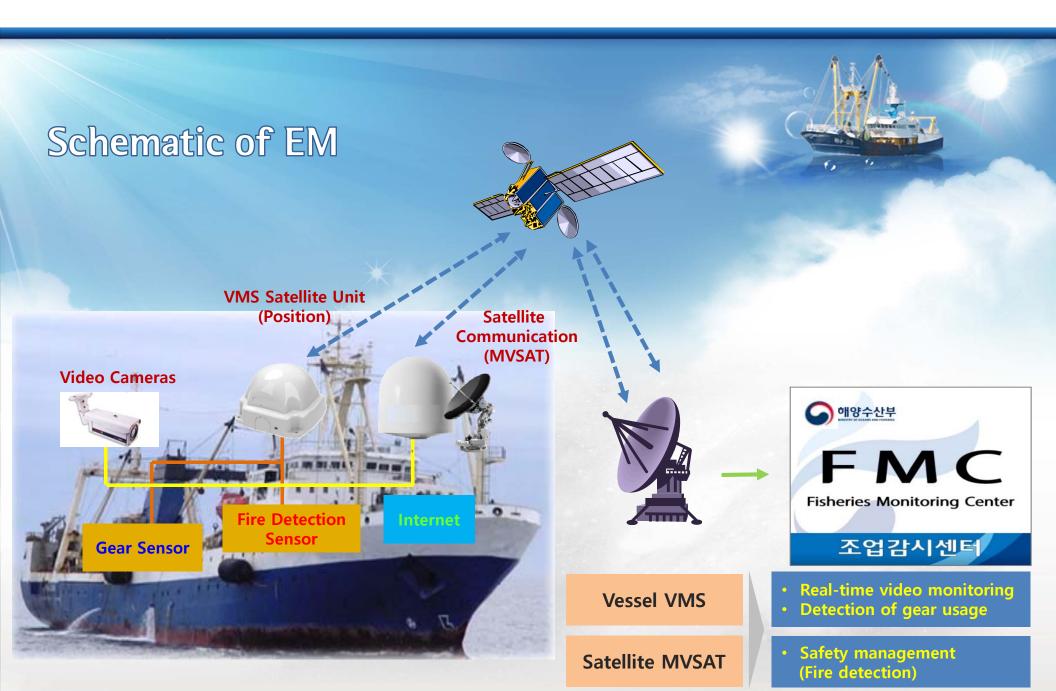
Building a Comprehensive MCS System

Improved Monitoring and control functions in FMS

- Advanced IUU risk assessment
 Strengthening of MCS capacity
- Big data management and statistics -> Contribution to global fish stock management

Introducing Video Monitoring System in line with International MCS standards

- EMS trial operation to be initiated in 2016 to verify IUU fishing activities in real time
- Ensuring deterrence and credibility of Korean FMC



Chapter

System Demonstration

1. FMS = VMS + ERS







Thank you

