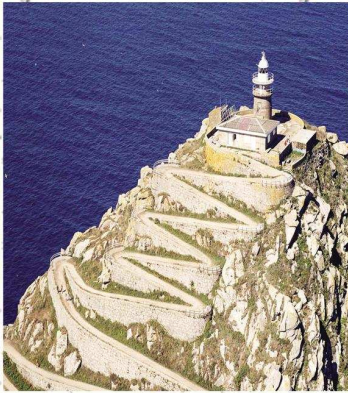


## SPANISH ATO N SERVICE

PUERTOS DEL ESTADO IS THE NATIONAL COMPETENT ORGANISATION RESPONSIBLE FOR PLANNING, STANDARDISATION, COORDINATION, INSPECTION AND CONTROL OF THE SPANISH MARINE AIDS TO NAVIGATION SYSTEMS, AS WELL AS TRAINING, RESEARCH AND TECHNOLOGICAL DEVELOPMENT AND INNOVATION IN THIS MATTER.

THE COORDINATION IS CARRIED OUT BY THE LIGHTHOUSES COMMISSION, LIKE ADVISORY ENTITY.



SPANISH ATO N SERVICE PROPOSES THE POLICY AND STRATEGY FOR THE ENTIRE NATIONAL MARINE AIDS TO NAVIGATION SYSTEMS, ENSURING THAT THE SYSTEM RESPONDS TO USER NEEDS ACCORDING WITH INTERNATIONAL STANDARDS AND THE DEVELOPMENT OF TECHNOLOGY.

SPANISH ATO N SERVICE PROMOTES TRAINING, RESEARCH, TECHNOLOGICAL DEVELOPMENT AND INNOVATION, AS WELL AS TO ENCOURAGE THE CONSERVATION OF HERITAGE.

SPANISH ATO N SERVICE PROVIDES HARMONISATION AT A NATIONAL LEVEL AMONG THE DIFFERENT SERVICE PROVIDERS AND WITH NEIGHBOURING COUNTRIES.

SPANISH ATO N SERVICE HAS A CERTIFIED MANAGEMENT QUALITY SYSTEM AND A LETTER OF SERVICE, IN ORDER TO BECOME A CENTRE OF EXCELLENCE IN THIS MATTERS.

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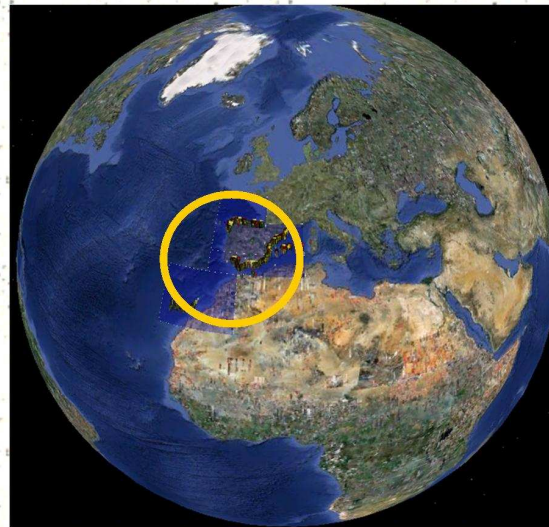
PUERTOS DEL ESTADO IS RESPONSIBLE FOR THE POINTS 1<sup>º</sup> AND 2<sup>º</sup> OF THE CHAPTER V RULE 13 OF SOLAS.

SPAIN HAS BEEN AN IALA NATIONAL MEMBER SINCE 1977 AND A COUNCIL MEMBER SINCE 1994, SPANISH ATO N SERVICE HAS AN ACTIVE PARTICIPATION IN IALA'S ANM AND EEP COMMITTEES.

SPAIN HOSTED A SESSION OF THE RADIONAVIGATION COMMITTEE IN 1985 (MADRID), A SEMINAR ON VTS TRAINING IN 2001 (GIJÓN), A SEMINAR-WORKSHOP ON SERVICE QUALITY IN 2005 (MADRID) AND A SEMINAR ON HERITAGE IN 2009 (SANTANDER).



# 18TH IALA INTERNATIONAL CONFERENCE EXHIBITION AND GENERAL ASSEMBLY SPAIN – 2014



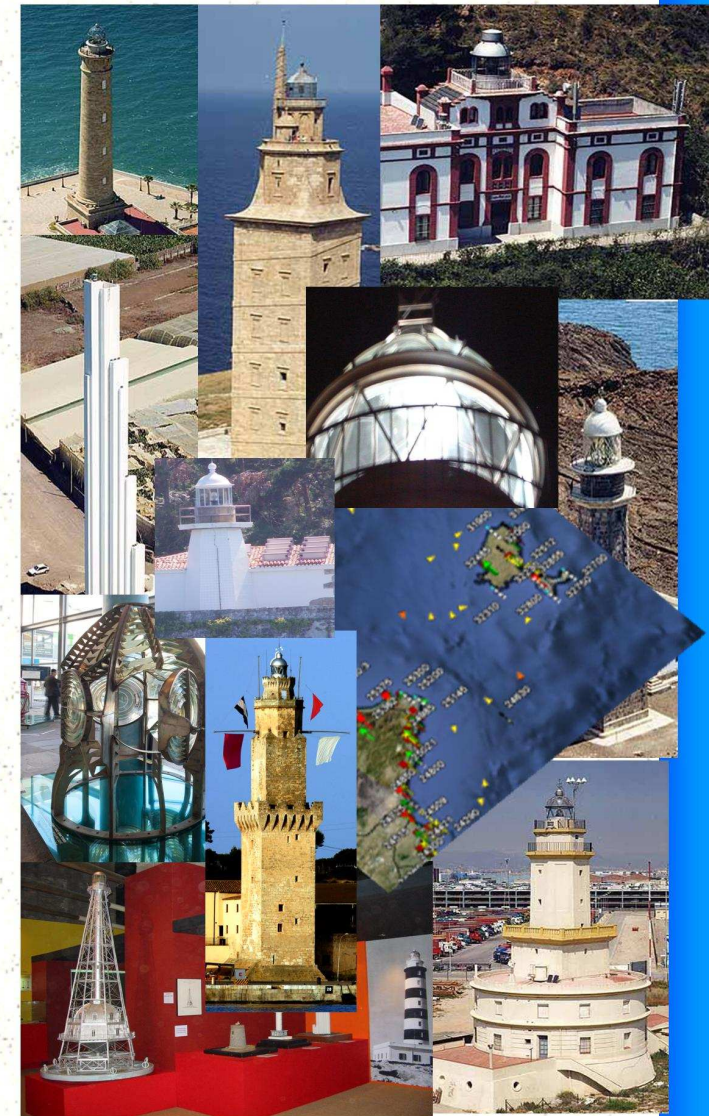
## KNOWLEDGE FOR MARINE SAFETY

ORGANISMO PÚBLICO PUERTOS DEL ESTADO  
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**SPANISH MARINE AIDS TO  
NAVIGATION SERVICE**

# PUERTOS DEL ESTADO

# SPANISH ATO<sub>N</sub> SYSTEM DEPLOYMENT

# INVENTORY

SPAIN IS THE EUROPEAN UNION COUNTRY HAVING THE LONGEST COASTLINE (APPROX. 8,000 KM). PUERTOS DEL ESTADO IS THE ORGANISATION RESPONSIBLE FOR THE COORDINATION AND EFFICIENCY OF THE STATE PORT SYSTEM (SPS) DEVELOPING THE GOVERNMENT'S PORT POLICY.



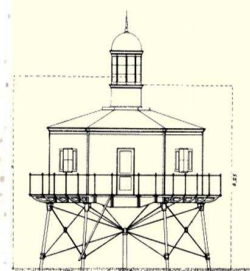
SPS IS COMPRISED OF PUERTOS DEL ESTADO AND 28 PORT AUTHORITIES, WITH A TOTAL OF 43 PORTS OF GENERAL INTEREST (MARINAS AND FISHING PORTS ARE THE COMPETENCE OF 10 REGIONAL AUTHORITIES)

PUERTOS DEL ESTADO IS A BODY GOVERNED BY PUBLIC LAW ATTACHED TO THE MINISTRY OF DEVELOPMENT, OPERATING IN A WAY SIMILAR TO PRIVATE LAW, EXCEPT WHEN IT IS EXERCISING ITS FUNCTIONS AS A PUBLIC ENFORCEMENT.

THE SPANISH CONSTITUTION ASSIGNS THE COASTAL LIGHTS AND MARINE SIGNALS LIKE AN EXCLUSIVE COMPETENCE OF THE STATE ADMINISTRATION, AS HAS BEEN RECOGNISED SINCE 1847. THIS COMPETENCE IS DEVELOPED THROUGH PUERTOS DEL ESTADO, UNDER THE DEPENDENCY AND WITH THE OVERSIGHT OF THE MINISTRY OF DEVELOPMENT.

PUERTOS DEL ESTADO REPRESENTS THE GENERAL ADMINISTRATION OF THE STATE CONCERNING MARINE AIDS TO NAVIGATION (ATO<sub>N</sub>) IN INTERNATIONAL ORGANISATIONS AND COMMISSIONS WHENEVER SUCH REPRESENTATION IS NOT EXERCISED BY THE MINISTRY OF DEVELOPMENT AND WITHOUT PREJUDICE TO ANY COMPETENCIES HELD BY THE MINISTRY OF FOREIGN AFFAIRS.

PUERTOS DEL ESTADO SHOULD APPROVE ANY NEW COMPLEMENTARY USES OF LIGHTHOUSES, WHICH ASSESSES THE COMPATIBILITY OF THE USES PROPOSED WITH THE ATO<sub>N</sub> SERVICE, SO THAT THE SIGNAL, ITS TECHNICAL EQUIPMENT AND THE SERVICE ARE NOT AFFECTED



PUERTOS DEL ESTADO, WITH THE LIGHTHOUSE COMMISSION, DETERMINES THE TECHNICAL CHARACTERISTICS AND LOCATION OF ANY ATO<sub>N</sub>. BUT, IF IT'S NEEDED, SETTING PROVISIONAL MARKING FOR SAFETY OR URGENCY REASONS.

## COASTAL NETWORK

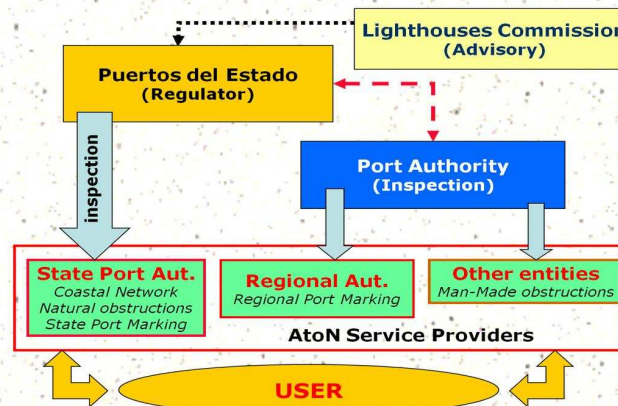
SET OF LIGHTHOUSES, BEACONS AND OTHER MAIN LIGHTS, DGPS DIFFERENTIAL CORRECTION TRANSMISSION STATIONS, RACONS AND AIS DEVICES, WHICH PROVIDE SERVICE ALONG THE SPANISH COASTLINE AND MARKING THE NATURAL DANGERS OR NATURAL OBSTRUCTIONS [AGENT: STATE PORT AUTHORITIES]

## PORT MARKING

SET OF AIDS NEEDED FOR APPROACH, ACCESS AND INTERNAL NAVIGATION IN EACH PORTS OR PORT FACILITIES. [AGENT: STATE PORT AUTHORITIES IN THE STATE PORTS AND REGIONAL PORT AUTHORITIES IN THE OTHER PORTS]

## MARKING OF NON-PORT FACILITIES AND ANY MAN-MADE INSTALLATION OR OBSTRUCTIONS

SET OF ATO<sub>N</sub> NEEDED FOR TO SHOW THE PRESENCE OF ANY MAN-MADE OBSTRUCTIONS AT SEA, SUCH AS FISH FARMS, PIPES, ENERGY GENERATION FACILITIES, BEACH PROTECTION, ETC. [AGENT: PUBLIC OR PRIVATE ENTITY RESPONSIBLE FOR THE FACILITY]



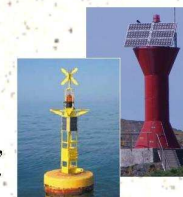
## LIGHTHOUSE (AND MAIN LIGHTS)

VISUAL AID HAVING A NOMINAL RANGE EQUIVALENT TO OR ABOVE 10 NAUTICAL MILES, WHICH IS NOT INCLUDED IN IALA-MBS 1980. THEY PROVIDE SERVICE TO GENERAL NAVIGATION.



## BEACON

FIXED OR FLOATING VISUAL AID HAVING A NOMINAL RANGE EQUIVALENT TO OR LESS THAN 10 NAUTICAL MILES, WHICH IS NOT INCLUDED IN IALA-MBS 1980 AND ANY OTHER VISUAL MARK, ANY RANGE, INCLUDED IN THE IALA-MBS 1980.



STATE PORT AUTHORITIES		REGIONAL AUTHORITIES		OTHER ENTITIES			
COASTAL NETWORK	STATE PORTS	REGIONAL PORTS	FISH FARMS	PIPES	ADOS	OTHER	
592	1,204	1,310	507	38	85	64	
1,796		1,310		694			

COSTAL NETWORK 592		MANNED LIGHTHOUSES: 57		LIGHT/W COMPLEMENTARY USES: 45						
LIGHTHOUSES	MAIN LIGHTS	FIX BEACONS LIGHTED	BUOYS (LIGHTED)	LEADING LINES LIGHTED AND PEL'S	LEADING LINES UNLIGHTED	PORT SIGNALS UNLIGHTED FIX BEACONS	RACON	DGPS	AIS-ATO <sub>N</sub>	FOG SIGNALS
189	13	152	114	37	5	4	19	18	10	30

TOTAL SPANISH ATO<sub>N</sub>: 3.800 (FEB-2010)