

JICA's Cooperation in Maritime Sector



Infrastructure Management Dept.,
Japan International Cooperation Agency (JICA)

Japan started cooperation in the maritime safety and security field, considering post-war situation and responding to the challenges of ASEAN countries.

- (International situation) : Maritime safety and security under cold war (Non-military), The 3rd United Nations Conference on the Law of the Sea, Adopt UNCLOS
- (Other conventions about maritime safety field) : Adopt MARPOL73/78 (contamination of sea), SAR Convention (search and rescue), SOLAS Convention (ship safety)
- (Situation of recipient countries) : Independence of ASEAN countries, Establish countries, From economic development to growth, Democratization, Asian Financial Crisis

➤ End of 1960s-

Safety of Navigation in the Malacca and Singapore Straits, etc.
(Hydrographic survey, Charting, Vessel Traffic Navigation Aids)

➤ 1980s-

Search and Rescue, and **Oil Spill Management** (Philippines, Indonesia, etc.)

➤ 2000s-

Maritime Law Enforcement (Piracy and maritime terrorism)
Support **Coast Guard Establishment** and **HR development**

➤ 2010s-

Regional Security (Newly emerging threats and risks along sea lane coastal states) – **Provision of assets (patrol vessels, communication, radar), Comprehensive Capacity Development**

(Note) Unilateral attempts to change the status quo against the background of power in neighboring waters and their fait accompli



Knowledge Co-Creation Program in Maritime Safety and Security Sector

As of Jan 2023

Policy

- Course : Maritime Safety and Security Policy Program
- Target : Junior Coast Guard Officers
- Duration : 1 year Program Capacity 10
- Since 2015
- 40 officers from 8 countries (52 from 9 countries including JCG)
- Degree : Master of Policy Studies (GRIPS) GRIPS, JCG and JICA joint program

MARLEN

- Course : Maritime law enforcement
- Target : Law Enforcement Officers
- Duration : 5 weeks Program Capacity 20
- Since 2001 380 participants from 35 countries,

SAR & MARPOL

- Course : Maritime search and rescue, maritime disaster prevention, and Marine Environment Protection for Coast Guard Officials
- Target : SAR/MARPOL Officers
- Duration : 8 weeks Program Capacity : 20
- Since 1982 600 participants from 68 countries

Hydrography

- Course : Hydrography for Charting and Disaster Management
- Target : Hydrographic survey or nautical chart officers
- Duration : 26 weeks Program Capacity : 20
- Since 1971 442 participants from 44 countries
- Accredited : IHO, Category "B" Hydrographic Surveyors

Safety of Navigation

- Course : Aid to Navigation
- 1972-2001, 270 participants from 36 countries
- Planning New Course for Maritime Traffic Safety from 2024

Projects List

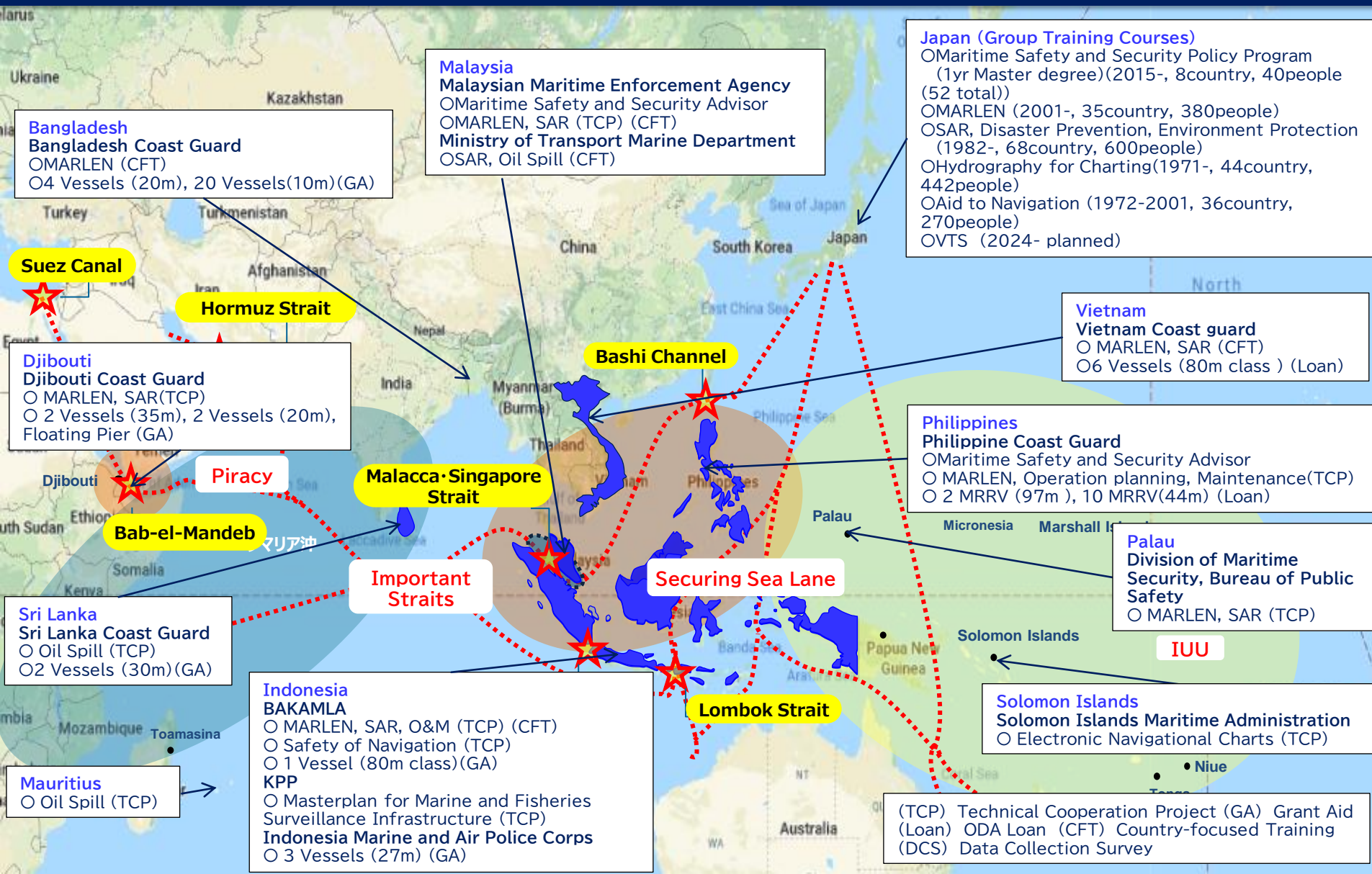
- **Philippines**
Technology Development for Electronic Navigational Charts (ENC)
 - Duration : 2000 June to 2003 June
 - National Mapping and Resource Information Authority (NAMRIA)

- **Cambodia**
The Project for Productions of Integrated Digital Terrain Model and Electronic Navigational Chart in the Kingdom of Cambodia
 - Duration : 2013 July to 2017 March
 - Counterpart : Ministry of Public Works and Transport

- **Solomon Islands**
The Project for Development Support of Electronic Navigational Charts for Honiara and Noro Ports in Solomon Islands
 - Duration : From 2022March to 2025 April
 - Counterpart : Solomon Islands Maritime Authority

- **Madagascar**
(Planned) Toamasina Port Electronic Chart Improvement Project
 - Duration : From 2024 March to 2027 Feb
 - Counterpart : Geographical and Hydrographic Institute of Madagascar

JICA's Cooperation in Maritime Safety and Security Area



Bangladesh
Bangladesh Coast Guard
 ○ MARLEN (CFT)
 ○ 4 Vessels (20m), 20 Vessels(10m)(GA)

Malaysia
Malaysian Maritime Enforcement Agency
 ○ Maritime Safety and Security Advisor
 ○ MARLEN, SAR (TCP) (CFT)
Ministry of Transport Marine Department
 ○ OSAR, Oil Spill (CFT)

Japan (Group Training Courses)
 ○ Maritime Safety and Security Policy Program (1yr Master degree)(2015-, 8country, 40people (52 total))
 ○ MARLEN (2001-, 35country, 380people)
 ○ OSAR, Disaster Prevention, Environment Protection (1982-, 68country, 600people)
 ○ Hydrography for Charting(1971-, 44country, 442people)
 ○ Aid to Navigation (1972-2001, 36country, 270people)
 ○ VTS (2024- planned)

Suez Canal
Hormuz Strait

Djibouti
Djibouti Coast Guard
 ○ MARLEN, SAR(TCP)
 ○ 2 Vessels (35m), 2 Vessels (20m), Floating Pier (GA)

Vietnam
Vietnam Coast guard
 ○ MARLEN, SAR (CFT)
 ○ 6 Vessels (80m class) (Loan)

Bab-el-Mandeb
Piracy

Malacca-Singapore Strait

Bashi Channel

Philippines
Philippine Coast Guard
 ○ Maritime Safety and Security Advisor
 ○ MARLEN, Operation planning, Maintenance(TCP)
 ○ 2 MRRV (97m), 10 MRRV(44m) (Loan)

Sri Lanka
Sri Lanka Coast Guard
 ○ Oil Spill (TCP)
 ○ 2 Vessels (30m)(GA)

Important Straits

Securing Sea Lane

Palau
Division of Maritime Security, Bureau of Public Safety
 ○ MARLEN, SAR (TCP)

Mauritius
 ○ Oil Spill (TCP)

Indonesia
BAKAMLA
 ○ MARLEN, SAR, O&M (TCP) (CFT)
 ○ Safety of Navigation (TCP)
 ○ 1 Vessel (80m class)(GA)
KPP
 ○ Masterplan for Marine and Fisheries Surveillance Infrastructure (TCP)
Indonesia Marine and Air Police Corps
 ○ 3 Vessels (27m) (GA)

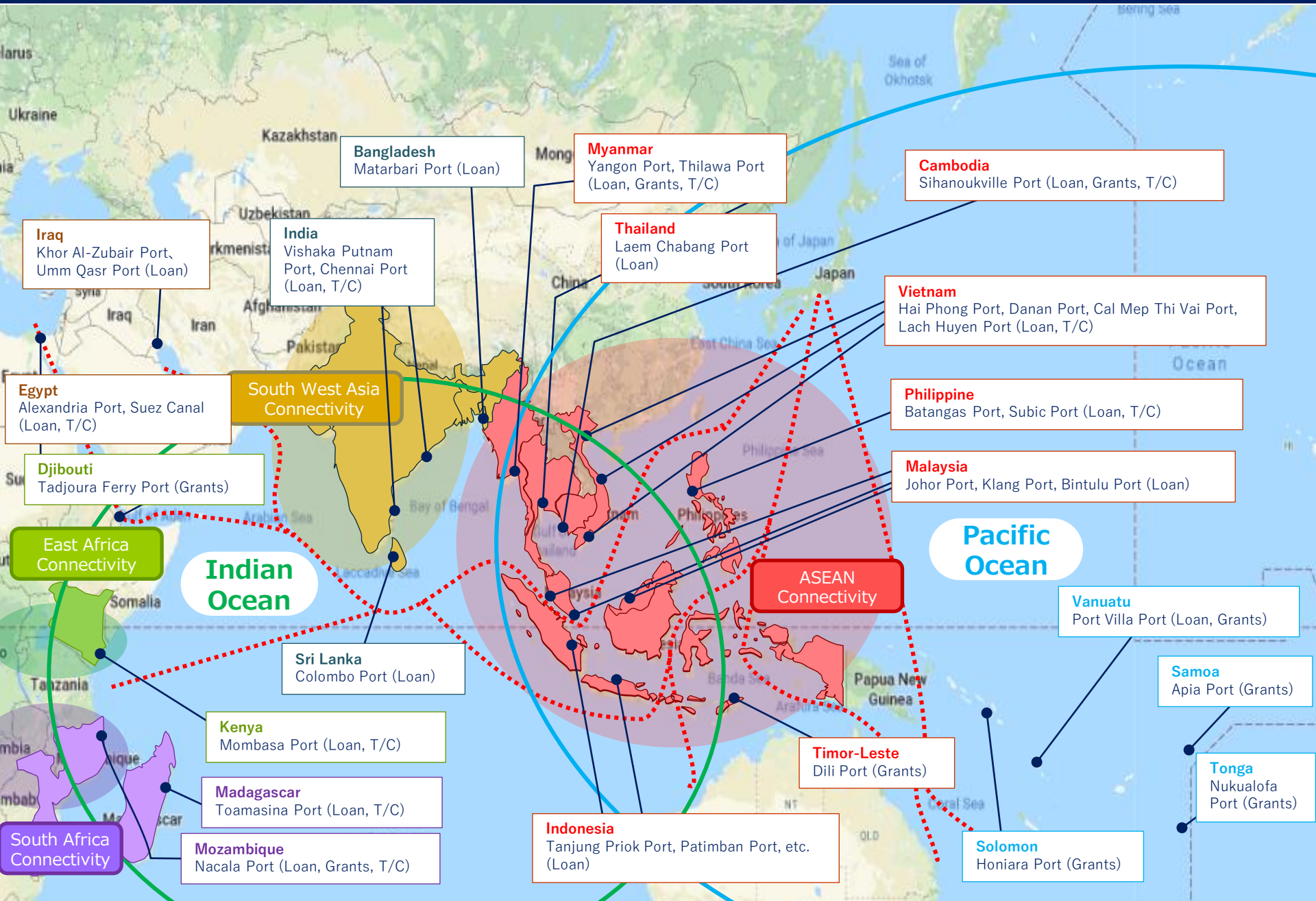
Lombok Strait

Solomon Islands
Solomon Islands Maritime Administration
 ○ Electronic Navigational Charts (TCP)

(TCP) Technical Cooperation Project (GA) Grant Aid (Loan) ODA Loan (CFT) Country-focused Training (DCS) Data Collection Survey

IUU

Overview of Projects in Port Sector



JICA's Cooperation in Pacific Island Countries (Loan Assistance, Grant)

■ Grant
■ Loan Assistance

Micronesia (2000.1)
 The Project for Improvement of Takatik Fishing Port in Pohnpei State

Kiribati (2011.6)
 The Project for Expansion of Betio Port

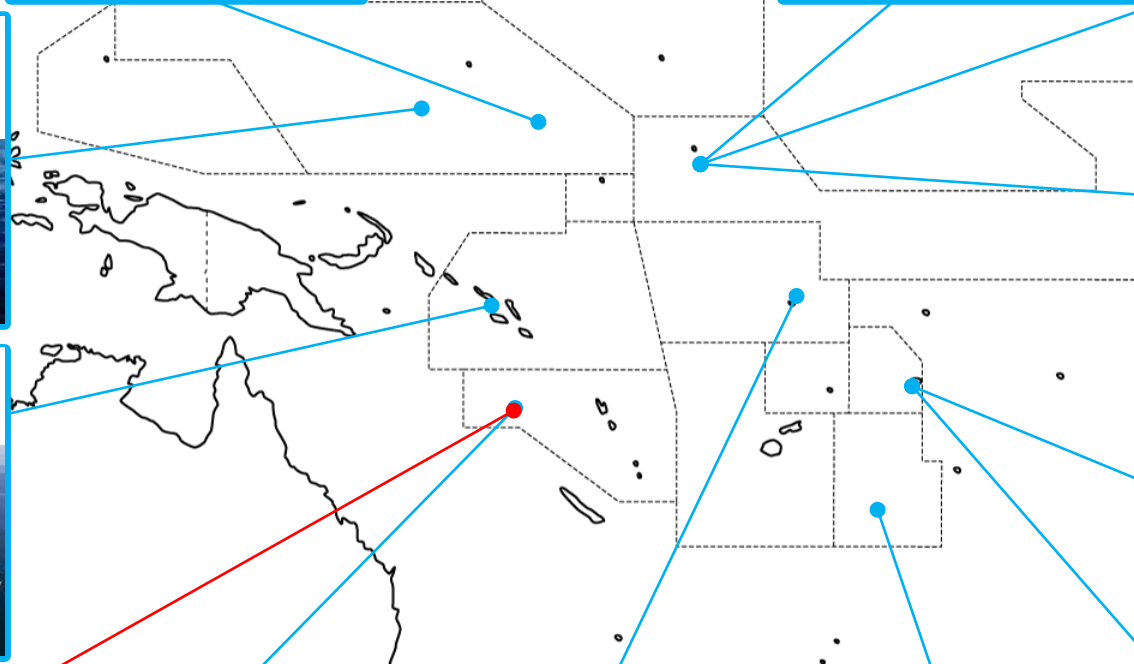
Kiribati (2005.3, 05.7)
 The Project for Rehabilitation of the Betio Port phase 1,2

Micronesia (2006.8)
 The Project for the Improvement of the Weno Harbor

Kiribati (1997.5)
 The Project for Improvement of Betio Port

Solomon Islands (2014.5)
 The Project for Improvement of Honiara Port Facilities

Samoa (2015.6)
 The Project for Enhancement of Safety of Apia Port



Vanuatu (2012.6, 2015.7)
 Port Vila Lapetasi International Wharf Development (1,2)

Vanuatu (2008.5)
 The Project for Improvement of Port Vila Main Wharf

Tuvalu (2007.7)
 The Project for Improvement of Funafuti Port

Tonga (2015.6)
 The Project for Upgrading of Wharf for Domestic Transport

Samoa (2001.5)
 The Project for the Second Development of Apia Port