Background

- For 5 years since the adoption of the “Manila Action Plan,” the current policy framework at the 6th ATM+J in 2008, transport network development in ASEAN has progressed steadily and ASEAN economy has grown remarkably. The current status surrounding the transport, including the demands on the transport network, safety, security, green transport and people’s living standards, has also drastically changed accordingly. Moreover, ASEAN is moving forward aggressively with its projects for ASEAN Connectivity in 2015 based on the “Master Plan on ASEAN Connectivity” (MPAC) and the “Brunei Action Plan” (BAP).

- In 2013, taking into account the above situation, ASEAN and Japan conducted a review of the “Manila Action Plan” and will confirm the new policy framework of AJTP, called the “Pakse Action Plan,” based on the reorganized policy pillars for the next decade, as the conclusion of the review, at the 12th ATM+J held in Pakse, Lao PDR, on 13th December 2013.

- Recently, concerns about safety, security and the environment are growing globally. Safety, security and green transport have become pressing issues in ASEAN with respect to strengthening Connectivity. These have been the essential elements of the AJTP and many projects/actions have contributed to improvements in safety, security and environmental friendliness in ASEAN. In the next decade, these should continue to be enhanced for all modes of transport in ASEAN where traffic volume and motorization are expected to increase dramatically.

- In general, there are increasing demands for comfortable and user-friendly transport systems in line with the remarkable economic growth and progress of basic transport development. As mentioned above, the basic role of transport has been greatly improved in ASEAN based on MPAC and BAP. Taking the rapid economic growth and recent transport development into consideration, more comfortable, more convenient and more user-friendly transport is further required in ASEAN. Comfortable, convenient and user-friendly transport includes better and easy accessibility for tourists visiting somewhere for the first time, elderly people, people with disabilities
and children. It also can alleviate excessive motorization by increasing users of public transport. Therefore, it is also expected that this will be a key element in transport meeting the people’s needs in ASEAN.

- Safe, secure, green and user-friendly transport is called as “Quality and Sustainable Transport” in one words.
- The goal of the “Quality and Sustainable Transport” policy pillar is to realize safe, secure, environmentally-sound and user-friendly transport overall.

**Previous Work**

- **The ASEAN-Japan Action Plan on Environment Improvement (AJ-APEIT)**
  
  The objective of this cooperative project is to implement environment-related transport policies and well-planned measures for achieving sustainable social and economic development by realizing low-carbon and low-pollution transport systems in ASEAN. For this purpose, AJ-APEIT was endorsed at the 7th ASEAN and Japan Transport Ministers Meeting (ATM+J), held in Ha Noi, Viet Nam, in 2009.

  ASEAN Member States (AMSs) and Japan jointly developed the “List of Measures and Ways of Implementation under the AJTP” (Attached List) of the AJ-APEIT at relevant Working Groups. The Attached List was considered and endorsed at the 9th STOM+J, and reported to the 8th ATM+J, held in Brunei, in November 2010.

  In 2010, the JICA training program on the National Implementation Plan (NIP) was conducted for the first time. This program was conducted over a three year period from 2010 to 2012 in Japan, and was aimed at supporting AMSs in developing a final draft of NIP for implementing AMSs’ environmental measures in a systematic and strategic manner based on AJ-APEIT.

  In August and September 2012, the JICA training program on NIPs developed a draft NIP for each country through lectures, study visits, practical sessions, discussions, report creation and presentations.

  In July and August 2013, the JICA training program on NIPs was conducted in Hiroshima and Tokyo, Japan.

  The ASEAN-Japan Seminar on Environment Improvement in the Transport Sector has been held 10 times since 2011. In 2013, the Seminar was held in Myanmar, the Philippines and Viet Nam in order to further the understanding of the role of NIPs.

  In 2011 and 2012, experts on environmental policy were dispatched to the
Philippines and Thailand to assist the development of NIPs in 2011 and 2012.

Experts Group Meetings for AJ-APEIT are held on an annual basis. In particular, the 3rd and 4th Experts Group Meetings discussed the “Best Approaches Book” (BAB), which will be shared between AMSs and Japan after compiling successful experiences and success stories in the process of implementing environmental measures. In 2012, BAB was finalized and reported to the 10th ATM+J, as a visible outcome of AJ-APEIT.

Experts Group Meetings also follow the progress of AJ-APEIT. The 3rd Experts Group Meeting, held in Thailand, in 2012, agreed to update the Attached List of AJ-APEIT as follows:

a) To revise the timelines of measure 3-1-1-1 from “March 2012” to “March 2013” and measures 4-3-2-1 and 5-2-1 from “2011” to “yearly up to March 2013”;

b) To add “Training Program / Seminar” and “Compilation of Best Practices” to methods of implementation for measure 4-3-2; and

c) To re-express measure 4-3-2-1 as “Joint delivery and mixed loading delivery” and “Promoting understanding and introduction of consolidated services of delivery”.

- Comprehensive Cooperation on Technology for Safe and Efficient Transport

Based on the success of the high level seminar held in Indonesia and Myanmar in 2012, this cooperative project, aimed at understanding the needs of AMSs through high level seminars and expanding cooperative projects on transport safety based on these needs, was submitted to the 10th ATM+J, held in Indonesia, in 2012, and was endorsed.

A survey to compile Best Practices to share technology for improving safety is being conducted.

- Cooperation on Natural Disaster Prevention in the Transport Sector

This cooperative project was endorsed at the 10th ATM+J, held in Indonesia, in 2012, and is expected to improve the safety of transport through the development of transport systems that are robust and resilient to natural disaster by sharing experience and knowledge between ASEAN and Japan.

In 2012, the ASEAN-Japan Ad-hoc Expert Meeting for Cooperation on Disaster Prevention in the Transport Sector was held in Tokyo, and it affirmed the usefulness of sharing experiences.
Then, in February 2013, the 1st Experts Group Meeting on Natural Disaster Prevention in the Transport Sector was held in Tokyo with the theme of ports and harbors.

In March 2013, a Seminar in collaboration with Viet Nam was held in Tokyo to exchange experiences on airports resilient to tsunami disasters.

A survey to compile Best Practices to share information about disaster prevention including safety technology is being conducted.

- ASEAN-Japan Aviation Security Project

This project is progressing based on the ASEAN-Japan Regional Road Map for Aviation Security (RRMAS), which was endorsed as a 5 year activity at the 5th ATM+J, held in Singapore, in 2007 in order to meet international standards on aviation security. In accordance with RRMAS, the ASEAN-Japan Aviation Security Experts Meeting and the ASEAN-Japan Aviation Security Workshop were held in Singapore and Tokyo respectively, and information on the progress of Individual Improvement Plans for each member state was shared there.

At the 6th ASEAN-Japan Aviation Security Experts Meeting, held in Tokyo, in 2012, the outcome of RRMAS and the future action plan for the next term were discussed. In 2013, the 7th ASEAN-Japan Aviation Security Experts Meeting discussed the next phase of the ASEAN-Japan Security Project. Based on discussions at the Experts Group Meeting, the next phase of the ASEAN-Japan Security Project was expected to be submitted to the 11th ATM+J, held in Lao PDR, in 2013, for endorsement.

- Eco-Airports

This cooperative project contributes to the promotion of environmentally-friendly airports and includes the reduction of CO2 emissions from airport facilities and improvements in energy consumption.

Before endorsement, the Eco-Airport Workshop was held twice in 2007-2008, aimed at sharing information on environmental policies and measures taken at airports and drafting Eco-Airport Guidelines under the initiative of Indonesia and Japan supported by other AMSs. As a result, ASEAN-Japan Eco-Airport Guidelines were endorsed at the 6th ATM+J held in the Philippines, in 2008.

Since then, the JICA training course has been conducted from 2009 to
2011 to aid understanding of the concept and operation of the guidelines and to promote effective measures.

As 5 years had passed since the initiation of the guidelines by 2013, a survey on the progress of the guidelines is being conducted.

- **Seafarer Policy Cooperation**
  This cooperative project is implemented for the improvement of seafarers’ abilities in ASEAN, to reduce the risks of accidents at sea.
  The ASEAN-Japan Seafarers Training Cooperative Program was endorsed at the 6th ATM+J, held in the Philippines, in 2008.
  Under this program, the governments of the Philippines and Japan signed the Memorandum on Development of Seafarers in March 2009, in Tokyo.
  Since then, the Philippine-Japan Tripartite Meeting, involving both governments and seafarers, has been held several times. In 2012, the 3rd Tripartite Meeting was held in Tokyo and discussed the improvement of the Shipboard Training System, the reconstruction of the curriculum and syllabus for shipboard training such as the creation of a training manual for instructors, and instructors’ skills.

- **Maritime Security Transport Program**
  This cooperative program is aimed at strengthening security in maritime transport. In 2007, the ASEAN-Japan Regional Action Plan on Port Security (RAPPS) was endorsed at the 4th ATM+J, held in Thailand. After that, guidelines on port security measures and the audit training program were developed through the ASEAN-Japan Port Security Expert Meeting (PSEM).
  At the 8th PSEM, held in February 2011, it was agreed that RAPPS would be updated for the purpose of developing a trainer’s training manual and expanding the audit training program. After that, the new RAPPS was endorsed at the 10th ATM+J, held in Indonesia, in 2012.
  The 10th PSEM and the 1st Audit Capacity Building (ACB) based on the new RAPPS were held in Viet Nam in January 2013.

- **Port Technology Joint Research**
  This cooperative project makes a contribution to reducing the risks of suffering from natural disasters and improving technology for port facilitation. In order to improve port-related technologies through joint port research, meetings
to improve maintenance and management technologies for port facilities were held until 2006.

In February 2007 and March 2008, the ASEAN-Japan Port Technology Group Meetings, aimed at developing coastal disaster protection measures, were held. In these meetings, Guidelines for Development and Utilization of the Tsunami Disaster Management Map were finalized. In February 2009 and February 2010, Meetings were held to develop Guidelines on Strategic Maintenance for Port Structures.

Since 2012, this cooperative project has been focusing on the theme of introducing Electronic Data Interchange (Port EDI) to improve transport facilitation.

- **Mega-Float Project**

  This cooperative project contributes to environmental preservation and quality transport (ex. container terminals, airports and so on). It is being conducted to discover the need for Mega-Floats in ASEAN waters.

  In the past, some technical feasibility studies on the usability of the Mega Float have been conducted upon requests from AMSs, and related seminars have been held in Vietnam, in 2012 and in Indonesia, in 2011.

  In addition, site visits to the Shiras hima National Strategic Oil Stockpiling Base, which is an example of the introduction of Mega Float in Japan, have been conducted.

- **Project for Improvement and Harmonization of Safety Standards and Ship Inspection for Coastal Ships**

  This project aims at securing safety and marine environment protection measures for coastal ships, enhancing maritime transport and improving its reliability.

  In addition, this project intends to improve and harmonize safety standards for the coastal ships and inspection scheme by designating navigational areas for formulating fundamental coastal ship safety, based on consultation among ASEAN countries and Japan, and Japan’s knowledge and experience.

  This project was endorsed at the 10th ATM+J, held in Indonesia, in 2012.

  In 2013, fact finding research in the Philippines was conducted. Guidance in order to facilitate the establishment of Navigation Areas by considering meteorological characteristics, sea states, geotechnical characteristics,
including distance from land and availability of ports for refuge, and other environmental conditions was provided.

- **Intelligent Transport System (ITS) Development**
  The ASEAN ITS Working Group Meeting was held in October 2007 to study the ASEAN ITS Policy Framework.

- **Railways Revival Plan**
  The improvement of railways in ASEAN contributes to the reduction of CO2 emissions through a modal shift. It also contributes to the realization of reliable and comfortable public transport.

  For the improvement of ASEAN Urban Railways, in terms of speed, frequency and safety with minimum investment, an implementation manual called “KISS-Rail” and technical standards for Asian Urban Railways called “STRASYA” were published in 2004.

  Japanese Yen Loan Credit under the ODA Scheme was provided to five projects (the Jakarta MRT system project, Ho Chi Minh UMRT Line 1, Hanoi Urban Railway Lines 1 and Line 2, the Bangkok Mass Transit System Project and the Mass Transit Systems in Metro Manila Project) between 2006 and 2013.

  From 2010 to 2012, JICA Training Programs on Urban Railways were held for Indonesia, Thailand and Viet Nam.

**Future Work**

- **The ASEAN-Japan Action Plan on Environment Improvement (AJ-APEIT)**
  The JICA training program on NIPs will be conducted in Japan, in 2014.

  In addition, the ASEAN-Japan Seminar on Environment Improvement in the Transport Sector will be held in AMSs excluding participant countries at the above JICA Training Course.

  The Experts Group Meeting on AJ-APEIT will be held in the 1st quarter of 2014 to discuss the progress of the projects on the attached list of AJ-APEIT.

- **Comprehensive Cooperation on Technology for Safe and Efficient Transport**
  A high level seminar will be held with Viet Nam in the 1st quarter of 2014. A survey to compile Best Practices to share technology to improve transport safety will continue to be conducted.
• **Cooperation on Natural Disaster Prevention in the Transport Sector**
  
  The 2nd Experts Group Meeting on Natural Disaster Prevention in the Transport Sector will be held with the theme of resilient airports in Tokyo and Miyagi, in the 1st quarter of 2014.

  Seminars in collaboration with AMSs will also be held in 2014, to exchange experiences.

  A survey to compile Best Practices to share disaster prevention including safety technology will continue to be conducted.

• **ASEAN-Japan Aviation Security Project**
  
  As the next phase of the ASEAN-Japan Security Project, future activities such as Experts Meetings, Workshops and Surveys will be implemented from 2013.

  The JICA Training Course will also be conducted in January and February 2014.

• **Eco-Airports**
  
  An additional survey on the progress of the ASEAN-Japan Eco-Airport Guidelines will be implemented in 2013 and 2014. The results of the survey will be reported to the ASEAN Air Transport Working Group Meeting and STOM+J in 2014.

  Based on the results of the survey, further cooperation for the promotion of Eco-Airports will be conducted from 2014.

• **Seafarer Policy Cooperation**
  
  The 4th Philippine-Japan Tripartite Meeting will be held in Manila in 2014.

• **Maritime Security Transport Program**
  
  The 2nd Audit Capacity Building (ACB2) and the 11th ASEAN-Japan Port Security Experts Meeting (PSEM11) will be held in Japan in February 2014.

• **Port Technology Joint Research**
  
  Between 2012 and 2014, this project will focus on promoting “Technical Cooperation on the Introduction of Port Electronic Data Interchange (EDI).” For this purpose, a PTG Meeting and International Seminar will be held in Indonesia in February 2014. A presentation of advanced cases of Port EDI will be given at
this International Seminar. The Guidelines will be completed at this PTG Meeting.

- **Mega Float Project**
  Further cooperation with AMSs including a feasibility study on the Mega Float Project in ASMs, technical seminars on the usability of Mega Floats and site visits to Japan will be considered if requested.

- **Project for Improvement and Harmonization of Safety Standards and Ship Inspection for Coastal Ships**
  Fact finding research in some model countries will be conducted in 2014, based on each AMS request. This research is aimed at providing guidance to facilitate the establishment of navigation areas in accordance with sea conditions, distance from land, and availability of ports for refuge.
  
  Based on the guidance provided by the above research, a seminar will be held and experts will be dispatched, according to the requests of each country, in order to support AMSs in categorizing and designating Navigation Areas.

- **Intelligent Transport System (ITS) Development**
  Necessary cooperation on ITS development will be conducted in accordance with needs of ASEAN.

- **Railways Revival Plan**
  Possible measures such as JICA Training Courses will be conducted, based on ASEAN needs.