

MALAYSIAN CRITERIA AND INDICATORS FOR FOREST MANAGEMENT CERTIFICATION (FOREST PLANTATIONS)

Principle 1: Compliance with Laws and Principles

Forest management shall respect all applicable laws and international treaties and agreements to which Malaysia is a signatory, and comply with all the Principles and Criteria contained herein.

Criterion	Indicator	Verifier
1.1 Forest management shall respect all federal and state laws and administrative requirements.	1.1.1 Records and availability of up-to-date relevant federal and state laws, regulations and policies, in particular those related to forest plantation management.	<p><u>PeninsularMalaysia</u> <u>FederalLaws</u> ~ Federal Constitution ~ Aboriginal Peoples Act, 1954 ~ EmployeesøSocial Security Act, 1969 o EmployeesøSocial Security (General Regulations), 1971 ~ Employment Act, 1955 ~ Environmental Quality Act, 1974 o Environmental Quality (Prescribed Activities) (Environmental Impact Assessment) Order, 1987 o Environmental Quality (Scheduled Wastes) Regulations, 1989 ~ Factories and Machineries Act, 1967 ~ Human Rights Commission of Malaysia Act, 1999 ~ Industrial Relations Act, 1967 ~ National Forestry Act, 1984 ~ National Land Code, 1965 ~ Occupational Safety and Health Act, 1994 o Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations, 2000 ~ Pesticides Act, 1974 ~ Plant Quarantine Act, 1976 ~ <u>Wildlife Conservation Act 2010</u> ~ Trade Unions Act, 1959 (Act 262) ~ Waters Act, 1920 ~ Workmenø Compensation Act, 1952</p> <p><u>StateLaws</u> ~ State Forest Enactments ~ State Forest Rules ~ State Ordinances related to protection of wildlife</p> <p><u>Policies</u> ~ National Forestry Policy, 1978 ~ National Agricultural Policy, 1992-2010 ~ National Policy on Biological Diversity, 1998 ~ National Policy on Environment, 2002</p>

Criterion	Indicator	Verifier
		<p><u>Sabah</u></p> <p><u>FederalLaws</u></p> <ul style="list-style-type: none"> ~ Federal Constitution ~ EmployeesøSocial Security Act, 1969 <ul style="list-style-type: none"> o EmployeesøSocial Security (General Regulations), 1971 ~ Environmental Quality Act, 1974 <ul style="list-style-type: none"> o Environmental Quality (Scheduled Wastes) Regulations, 1989 ~ Factories and Machineries Act, 1967 ~ Human Rights Commission of Malaysia Act, 1999 ~ Industrial Relations Act, 1967 ~ Occupational Safety and Health Act, 1994 <ul style="list-style-type: none"> o Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations, 2000 ~ Pesticides Act, 1974 ~ Plant Quarantine Act, 1976 ~ Trade Unions Act, 1959 (Act 262) ~ Workmenø Compensation Act, 1952 <p><u>StateLaws</u></p> <ul style="list-style-type: none"> ~ Sabah State Constitution ~ Biodiversity Enactment, 2000 ~ Environment Protection Enactment, 2002 <ul style="list-style-type: none"> o Environment Protection (Prescribed Activities) (Environmental Impact Assessment) Order, 2005 ~ Forest Enactment, 1968 <ul style="list-style-type: none"> o Forest Rules, 1969 ~ Interpretation (Definition of Native) Ordinance, 1952 ~ Labour Ordinance (Sabah) Cap. 67 ~ Land Ordinance, 1930 (Sabah Cap. 68) ~ Native Court (Native Customary Laws) Rules, 1995 ~ State Cultural Heritage (Conservation) Enactment, 1997 ~ Water Resources Enactment, 1998 ~ Wildlife Conservation Enactment, 1997 ~ All adats recognised and enforceable by the Native Courts, including relevant decisions of the Civil Courts <p><u>Policies</u></p> <ul style="list-style-type: none"> ~ State Forest Policy, 1954 ~ National Agricultural Policy, 1992-2010 ~ National Policy on Biological Diversity, 1998 ~ National Policy on Environment, 2002

Criterion	Indicator	Verifier
		<p><u>Sarawak</u></p> <p><u>FederalLaws</u></p> <ul style="list-style-type: none"> ~ Federal Constitution ~ Employeesø Social Security Act, 1969 <ul style="list-style-type: none"> o Employeesø Social Security (General Regulations), 1971 ~ Environmental Quality Act, 1974 <ul style="list-style-type: none"> o Environmental Quality (Scheduled Wastes) Regulations, 1989 ~ Factories and Machineries Act, 1967 ~ Human Rights Commission of Malaysia Act, 1999 ~ Industrial Relations Act, 1967 ~ Occupational Safety and Health Act, 1994 <ul style="list-style-type: none"> o Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations, 2000 ~ Pesticides Act, 1974 ~ Plant Quarantine Act, 1976 ~ Trade Unions Act, 1959 (Act 262) ~ Workmenø Compensation Act, 1952 <p><u>StateLaws</u></p> <ul style="list-style-type: none"> ~ Sarawak State Constitution ~ Forests Ordinance, 1954 (Cap. 126) <ul style="list-style-type: none"> o Forest Rules, 1962 o The Forests (Planted Forests) Rules, 1997 ~ Labour Ordinance, 1952 (Sarawak Cap. 76) ~ Land Code, 1958 (Cap. 81) ~ Native Courts Ordinance, 1992 <ul style="list-style-type: none"> o Native Courts Rules, 1993 ~ Natural Resources and Environment Ordinance, 1993 (Cap. 84) <ul style="list-style-type: none"> o Natural Resources and Environment (Prescribed Activities) Order, 1994 o Natural Resources and Environment (Fire Danger Rating System) Order, 2004 ~ Sarawak Biodiversity Centre Ordinance, 1997 ~ Sarawak Cultural Heritage Ordinance, 1993 ~ Sarawak Rivers Ordinance, 1993 (Cap. 4) ~ Water Ordinance, 1994 ~ Wild Life Protection Ordinance, 1998 (Cap. 26) <ul style="list-style-type: none"> o Wild Life Protection Rules, 1998 ~ All customary laws/adat laws codified under the Native Customs (Declaration) Ordinance, 1996, and any other established customs of the communities recognised and enforceable by the Native Courts under the Native Courts Ordinance, 1992 and the Native Courts Rules, 1993 ~ Decisions of the Civil Courts pertaining to legal or customary tenure or use rights <p><u>Policies</u></p> <ul style="list-style-type: none"> ~ Statement of Forest Policy, 1954 ~ National Agricultural Policy, 1992-2010 ~ National Policy on Biological Diversity, 1998 ~ National Policy on Environment, 2002

Criterion	Indicator	Verifier
	1.1.2 Forest plantation managers are aware/knowledgeable of the relevant federal and state laws, administrative requirements, and the regulatory framework for management of forest plantations.	<u>PeninsularMalaysia /Sabah/Sarawak</u> ~ Discussion with forest plantation managers and relevant stakeholders on the relevant federal and state laws, administrative requirements and the regulatory framework, as well as conducting field observations
	1.1.3 Record of violations and actions taken to address them.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Records of offences and actions taken
1.2 All applicable and legally prescribed fees, royalties, taxes, and other charges shall be paid.	1.2.1 Availability of current list of all legally prescribed fees, royalties, taxes, and other charges.	<u>PeninsularMalaysia /Sabah/Sarawak</u> ~ List of rent and fees payable, royalty structure and rates
	1.2.2 Records are kept of all payments made.	<u>PeninsularMalaysia /Sabah/Sarawak</u> ~ Records of payments made
1.3 The provisions of all binding international agreements such as CITES, ILO Conventions, ITTA, and Convention on Biological Diversity, shall be respected.	1.3.1 Forest plantation managers are aware of international agreements binding to Malaysia relevant to forest plantation management.	<u>PeninsularMalaysia /Sabah/Sarawak</u> Where relevant, provisions related to forest plantation management of the following binding international agreements are reflected in forest plantation management plan* and respected in forest plantation management: ~ ASEAN Agreement on Transboundary Haze Pollution, 2002 ~ Convention on Biological Diversity, 1992 o Cartagena Protocol on Biosafety to the Convention on Biological Diversity, 2000 ~ Convention on International Trade in Endangered Species of Wild Fauna and Flora, 1973 ~ Convention on Wetlands of International Importance Especially as Waterfowl Habitat, 1971 ~ Core International Labour Organization (ILO) Conventions ~ International Tropical Timber Agreement, 1994 ~ United Nations Declaration of the Rights of Indigenous Peoples, 2007 ~ United Nations Framework Convention on Climate Change, 1992 o The Kyoto Protocol to the Convention on Climate Change, 1997

*For Sabah, the term "Forest Plantation Management Plan" refers to "Plantation Development Plan"

Criterion	Indicator	Verifier
1.4 Conflicts between laws, regulations and these Principles and Criteria shall be evaluated for the purposes of certification, on a case by case basis, by the certifiers and the involved or affected parties.	1.4.1 Availability of documentation of any conflicts between laws, regulations and these Principles and Criteria.	<u>PeninsularMalaysia /Sabah/Sarawak</u> " Records of evaluation of conflicts between laws, regulations and these Principles and Criteria
	1.4.2 Forest plantation managers are willing to participate in any process to resolve such conflicts that may arise with the affected parties.	<u>PeninsularMalaysia /Sabah/Sarawak</u> " Records (minutes, diaries, etc) of forest plantation managerø participation in resolving such conflicts
1.5 Forest management areas shall be protected from illegal harvesting, settlement and other unauthorized activities.	1.5.1 Availability of legal provisions for the establishment and protection of forest plantation areas.	<u>PeninsularMalaysia</u> " Aboriginal Peoples Act, 1954 " National Land Code, 1965 " National Forestry Act, 1984 " <u>Wildlife conservation Act 2010</u> " State Forest Enactments " State Forest Rules " State Ordinances related to protection of wildlife <u>Sabah</u> " Forest Enactment, 1968 " Forest Rules, 1969 " Interpretation (Definition of Native) Ordinance, 1952 " Land Ordinance, 1930 (Sabah Cap. 68) " Wildlife Conservation Enactment, 1997 " State Forest Policy, 1954 " Sustainable Forest Management Licence Agreement / Long Term Timber Licence Agreement " All adats recognised and enforceable by the Native Courts, including relevant decisions of the Civil Courts <u>Sarawak</u> " Forests Ordinance, 1954 (Cap. 126) " Forest Rules, 1962 " Land Code, 1958 (Cap. 81) " The Forests (Planted Forests) Rules, 1997 " <u>Wild Life Protection Ordinance, 1998 (Cap. 26)</u> " <u>Wild Life Protection Rules, 1998</u> " All customary laws/adat laws codified under the Native Customs (Declaration) Ordinance, 1996, and any other established customs of the communities recognised and enforceable by the Native Courts under the Native Courts Ordinance, 1992 and the Native Courts Rules, 1993 " Decisions of the Civil Courts pertaining to legal or customary tenure or use rights " Statement of Forest Policy, 1954

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Criterion	Indicator	Verifier
	1.5.2 Control of encroachment, illegal harvesting, hunting, fishing and settlement, and other unauthorized activities.	<u>PeninsularMalaysia/Sabah/Sarawak</u> <u>System of monitoring/control implemented</u> ~ Records of monitoring and actions taken
1.6 Forest managers shall demonstrate a long-term commitment to adhere to these Principles and Criteria.	1.6.1 Availability of policies or statements of commitment to forest plantation management practices consistent with these Principles and Criteria.	<u>PeninsularMalaysia /Sabah/Sarawak</u> ~ Records or statements of such commitment
	1.6.2 Policies or statements are communicated throughout the organization and contractors, and are made available to the public.	<u>PeninsularMalaysia /Sabah/Sarawak</u> ~ Records of staff briefings ~ Relevant statements in contractual agreements ~ Public summary of policy statement

Principle 2: Tenure and Use Rights and Responsibilities

Long-term tenure and use rights to the land and forest resources shall be clearly defined, documented and legally established.

Criterion	Indicator	Verifier
<p>2.1 Clear evidence of long-term forest use rights to the land (e.g. land title, customary rights, or leased agreements) shall be demonstrated.</p>	<p>2.1.1 Availability of documentation of legal status, and established forest use rights of the land or forest resources within the relevant federal and state legal frameworks for the forest plantation areas.</p>	<p><u>PeninsularMalaysia</u></p> <ul style="list-style-type: none"> ~ National Land Code, 1965 ~ State Forest Enactments ~ Records of alienation and use rights ~ Concessionaire and/or lease agreements ~ Forest harvesting licence ~ Land title <p><u>Sabah</u></p> <ul style="list-style-type: none"> ~ Forest Enactment, 1968 ~ Land Ordinance, 1930 (Sabah Cap. 68) ~ Land title ~ Sustainable Forest Management Licence Agreement / Long Term Timber Licence Agreement <p><u>Sarawak</u></p> <ul style="list-style-type: none"> ~ Forests Ordinance, 1954 (Cap. 126) ~ Land Code, 1958 (Cap. 81) ~ Licence for Planted Forests ~ All customary laws/adat laws codified under the Native Customs (Declaration) Ordinance, 1996, and any other established customs of the communities recognised and enforceable by the Native Courts under the Native Courts Ordinance, 1992 and the Native Courts Rules, 1993 ~ Decisions of the Civil Courts pertaining to legal or customary tenure or use rights ~ Land title
	<p>2.1.2 Forest plantation managers shall support legally recognised mechanisms for resolving land claims.</p>	<p><u>PeninsularMalaysia /Sabah/Sarawak</u></p> <ul style="list-style-type: none"> ~ Records of participation in the resolution of land claims

Criterion	Indicator	Verifier
<p>2.2 Local communities with legal or customary tenure or use rights shall maintain control, to the extent necessary to protect their rights or resources, over forest operations unless they delegate control with free and informed consent to other agencies.</p>	<p>2.2.1 Availability of documentation of legal or customary tenure or use rights of local communities within relevant federal and state legal frameworks for the forest plantation area.</p>	<p><u>PeninsularMalaysia</u></p> <ul style="list-style-type: none"> ~ Aboriginal Peoples Act, 1954 ~ National Forestry Act, 1984 ~ National Land Code, 1965 ~ State Forest Enactments ~ State Forest Rules ~ Contractual agreement with local communities with legal or customary tenure or use rights for use of land <p><u>Sabah</u></p> <ul style="list-style-type: none"> ~ Forest Enactment 1968 ~ Forest Rules, 1969 ~ Land Ordinance, 1930, (Sabah Cap. 68) ~ Established Native Customary Rights ~ Relevant decisions of the Civil Courts ~ Sustainable Forest Management Licence Agreement / Long Term Timber Licence Agreement ~ Contractual agreement with local communities of legal or customary tenure or use rights for use of land <p><u>Sarawak</u></p> <ul style="list-style-type: none"> ~ Land Code, 1958 (Cap. 81) ~ All customary laws/adat laws codified under the Native Customs (Declaration) Ordinance, 1996, and any other established customs of the communities recognised and enforceable by the Native Courts under the Native Courts Ordinance, 1992 and the Native Courts Rules, 1993 ~ Decisions of the Civil Courts pertaining to legal or customary tenure or use rights ~ Notification in Sarawak Government Gazette ~ Licence for Planted Forests ~ Contractual agreement with local communities with legal or customary tenure or use rights for use of land ~ Forest Plantation Management Plan
	<p>2.2.2 Forest plantation managers shall collaborate with holders of duly recognised legal or customary tenure or use rights within relevant federal and state legal frameworks, in activities that may affect such rights.</p>	<p><u>PeninsularMalaysia /Sabah/Sarawak</u></p> <p>Mechanism for collaboration/consultation set up</p> <ul style="list-style-type: none"> ~ Records of collaboration

Criterion	Indicator	Verifier
2.3 Appropriate mechanisms shall be employed to resolve disputes over tenure claims and use rights. The circumstances and status of any outstanding disputes will be explicitly considered in the certification evaluation. Disputes of substantial magnitude involving a significant number of interests will normally disqualify an operation from being certified.	2.3.1 Availability of appropriate mechanisms to resolve disputes over tenure claims and use rights.	<u>PeninsularMalaysia</u> ~ Records of outcomes of direct negotiations or arbitration ~ Records of decisions of Civil Courts ~ Records of disputes over tenure and use rights are maintained <u>Sabah/Sarawak</u> ~ Records of outcomes of direct negotiations or arbitration ~ Records of decisions of Native Courts ~ Records of decisions of Civil Courts ~ Records of disputes over tenure and use rights are maintained

Principle 3: Indigenous Peoples' Rights

The legal and customary rights of indigenous peoples to own, use and manage their lands, territories, and resources shall be recognised and respected.

Criterion	Indicator	Verifier
3.1 Indigenous peoples shall control forest management on their lands and territories unless they delegate control with free and informed consent to other agencies.	3.1.1 Availability of documentation of the customary rights of indigenous peoples' lands within relevant federal and state legal frameworks.	<u>PeninsularMalaysia</u> ~ Records of customary rights of indigenous peoples' lands under the Aboriginal Peoples Act, 1954 Claims compiled at public inquiry by Suhakam 2012 <u>Sabah</u> ~ Land Ordinance, 1930, (Sabah Cap. 68) ~ Established native customary rights ~ Relevant decisions of the Civil Courts ~ Forest Management Plan Claims compiled at public inquiry by Suhakam 2012 <u>Sarawak</u> ~ Land Code, 1958 (Cap. 81) ~ Notification in Sarawak Government Gazette ~ All customary laws/adat laws codified under the Native Customs (Declaration) Ordinance, 1996, and any other established customs of the communities recognised and enforceable by the Native Courts under the Native Courts Ordinance, 1992 and the Native Courts Rules, 1993 ~ Decisions of the Civil Courts pertaining to legal or customary tenure or use rights Claims compiled at public inquiry by Suhakam 2012

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	3.1.2 Management of such lands is controlled by indigenous peoples unless they delegate control with free and informed consent to other agencies.	<u>PeninsularMalaysia /Sabah/Sarawak</u> “ Records of delegation of power by indigenous peoples
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Criterion	Indicator	Verifier
	3.1.3 Availability of appropriate mechanisms to resolve any conflicts and grievances between parties involved.	<p><u>PeninsularMalaysia</u></p> <p>Mechanism established for consultation/dialogue</p> <ul style="list-style-type: none"> ~ Records of outcomes of direct negotiations or arbitration ~ Records of decisions of Civil Courts ~ Records of conflicts and grievances between parties involved <p><u>Sabah/Sarawak</u></p> <ul style="list-style-type: none"> ~ Records of outcomes of direct negotiations or arbitration ~ Records of decisions of Native Courts ~ Records of decisions of Civil Courts ~ Records of conflicts and grievances between parties involved <p>Mechanism established for consultation/dialogue</p>
3.2 Forest management shall not threaten or diminish, either directly or indirectly, the resources or tenure rights of indigenous peoples.	3.2.1 Forest plantation management practices on indigenous peoples' lands recognised within relevant federal and state legal frameworks shall not threaten or diminish, either directly or indirectly, their resources or tenure rights.	<p><u>PeninsularMalaysia</u></p> <ul style="list-style-type: none"> ~ Recognition of resources or tenure rights of indigenous peoples as provided for under the Aboriginal Peoples Act, 1954 ~ Forest Plantation Management Plan <p>List of species/resources used by indigenous people and a management plan of these resources to be included in the Forest Plantation Management Plan</p> <p><u>Sabah</u></p> <ul style="list-style-type: none"> ~ Land Ordinance, 1930, (Sabah Cap. 68) ~ Sustainable Forest Management Licence Agreement / Long Term Timber Licence Agreement ~ All adats recognised and enforceable by the Native Courts, including relevant decisions of the Civil Courts ~ Forest Plantation Management Plan <p><u>Sarawak</u></p> <ul style="list-style-type: none"> ~ Licence for Planted Forests ~ Recognition of tenure and resource-based rights under established laws ~ Forest Plantation Management Plan <p>List of species/resources used by indigenous people and a management plan of these resources to be included in the Forest Plantation Management Plan</p>

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Criterion	Indicator	Verifier
<p>3.3 Sites of special cultural, ecological, economic or religious significance to indigenous peoples shall be clearly identified in cooperation with such peoples, and recognised and protected by forest managers.</p>	<p>3.3.1 Availability of appropriate procedures within current administrative processes for identifying and protecting such sites and provisions for rights of access to these sites by indigenous peoples within relevant federal and state legal frameworks or by mutual agreement.</p>	<p><u>PeninsularMalaysia/Sabah/Sarawak</u></p> <ul style="list-style-type: none"> ~ Procedures for identifying and protecting sites of special cultural, ecological, economic or religious significance to indigenous peoples and provisions for rights of access to these sites ~ List and maps depicting locations of important cultural, ecological, economic or religious sites in the forest plantation area to be certified ~ Forest Plantation Management Plan ~ Records of dialogue and consultation with local communities and other relevant stakeholders
	<p>3.3.2 Availability of appropriate mechanisms for conflict resolution.</p>	<p><u>PeninsularMalaysia</u></p> <ul style="list-style-type: none"> ~ Dialogue and consultation ~ Arbitration ~ Civil Courts <p><u>Sabah/Sarawak</u></p> <ul style="list-style-type: none"> ~ Dialogue and consultation ~ Arbitration ~ Native Courts ~ Civil Courts
<p>3.4 Indigenous peoples shall be compensated for the application of their traditional knowledge regarding the use of forest species or management systems in forest operations. This compensation shall be formally agreed upon with their free and informed consent before forest operations commence.</p>	<p>3.4.1 Availability of documentation, if any, of traditional forest-related knowledge and practices of indigenous peoples in the use of forest species or management systems in forest plantation operations.</p>	<p><u>PeninsularMalaysia/Sabah/Sarawak</u></p> <ul style="list-style-type: none"> ~ Records of any traditional forest-related knowledge and practices of indigenous peoples used in forest plantation operations ~ Records of consultation with indigenous peoples
	<p>3.4.2 Availability of appropriate mechanisms and compensation for the commercial utilization of traditional forest-related knowledge and practices of indigenous people in accordance with existing legislation or by mutual agreement.</p>	<p><u>PeninsularMalaysia/Sabah/Sarawak</u></p> <ul style="list-style-type: none"> ~ Documentation of appropriate mechanisms for consultation and compensation for the commercial utilization of traditional forest-related knowledge and practices of indigenous peoples

Principle 4: Community Relations and Workers Rights

Forest management operations shall maintain or enhance the long-term social and economic well-being of forest workers and local communities.

Criterion	Indicator	Verifier
4.1 The communities within, or adjacent to, the forest management area shall be given opportunities for employment, training, and other services.	4.1.1 Forest plantation managers provide, where appropriate, support for training, retraining, local infrastructure, facilities and social programs commensurate with the scale and intensity of forest plantation management operations.	<u>PeninsularMalaysia/Sarawak</u> ~ Records of training, retraining, local infrastructure, facilities and social programs provided ~ Forest Plantation Management Plan <u>Sabah</u> ~ Sustainable Forest Management Licence Agreement / Long Term Timber Licence Agreement ~ Forest Plantation Management Plan ~ Community Forestry Committee ~ Records of training, retraining, local infrastructure, facilities and social programs provided
	4.1.2 Qualified people in communities living within, or adjacent to forest plantation areas are given preference for employment and contract works.	<u>PeninsularMalaysia /Sabah/Sarawak</u> ~ Documentation of management commitment ~ Employment records ~ Training records ~ Contract records ~ Records of efforts to recruit workers from local communities

Criterion	Indicator	Verifier
4.2 Forest management shall meet or exceed all applicable laws and/or regulations covering health and safety of employees and their families.	4.2.1 Up-to-date information on all applicable laws and/or regulations covering occupational safety and health of forest plantation workers shall be disseminated to them.	<p><u>PeninsularMalaysia</u></p> <ul style="list-style-type: none"> ~ Records of dissemination of safety and health information in accordance with the requirements of the following: <ul style="list-style-type: none"> o EmployeesøSocial Security Act, 1969 o EmployeesøSocial Security (General) Regulations, 1971 o Factories and Machineries Act, 1967 o Occupational Safety and Health Act, 1994 o Pesticides Act, 1974 o Workmenø Compensation Act, 1952 ~ Guidelines on occupational safety and health in logging operations <p><u>Sabah</u></p> <ul style="list-style-type: none"> ~ Records of dissemination of safety and health information in accordance with the requirements of the following: <ul style="list-style-type: none"> o EmployeesøSocial Security Act, 1969 o EmployeesøSocial Security (General) Regulations, 1971 o Factories and Machineries Act, 1967 o Labour Ordinance (Sabah) Cap. 67 o Occupational Safety and Health Act, 1994 o Pesticides Act, 1974 o Workmenø Compensation Act, 1952 ~ Guidelines on occupational safety and health in logging operations <p><u>Sarawak</u></p> <ul style="list-style-type: none"> ~ Records of dissemination of safety and health information in accordance with the requirements of the following: <ul style="list-style-type: none"> o EmployeesøSocial Security Act, 1969 o EmployeesøSocial Security (General) Regulations, 1971 o Factories and Machineries Act, 1967 o Labour Ordinance, 1952 (Sarawak Cap. 76) o Occupational Safety and Health Act, 1994 o Pesticides Act, 1974 o Workmenø Compensation Act, 1952 ~ Guidelines on occupational safety and health in logging operations
	4.2.2 Availability of management policies addressing the occupational safety and health of forest plantation workers and their families.	<p><u>PeninsularMalaysia/Sabah/Sarawak</u></p> <ul style="list-style-type: none"> ~ Management policy on safety and health of forest plantation workers and their families

Criterion	Indicator	Verifier
	4.2.3 Appropriate safety and operational equipment in good working condition, including operational procedures, shall be made available to forest plantation workers in the work place.	<u>PeninsularMalaysia /Sabah/Sarawak</u> ~ Records of equipment and maintenance ~ Operational procedures made available in the work place
	4.2.4 Forest plantation managers shall maintain up-to-date safety records in compliance with all applicable laws and/or regulations covering health and safety of forest plantation workers.	<u>PeninsularMalaysia /Sabah/Sarawak</u> ~ Minutes of Safety and Health Committee meetings ~ Minutes of joint employer-employee meetings ~ Safety and health records of forest plantation workers and summary of records
	4.2.5 Demarcation of hazardous areas and provision of guidelines for storage and handling of hazardous materials.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Guidelines for storage and handling of hazardous materials in accordance with the requirements of the following: o Environmental Quality (Scheduled Wastes) Regulations, 1989 o Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations, 2000 o Pesticides Act, 1974 ~ Hazardous areas clearly demarcated with proper signage

Criterion	Indicator	Verifier
<p>4.3 The rights of workers to organize and voluntarily negotiate with their employers shall be guaranteed as outlined in Conventions 87 and 98 of the International Labour Organization (ILO).</p>	<p>4.3.1 Provisions for forest plantation workers to freely organize into unions of their own choice in accordance with ILO Convention No. 87.</p>	<p><u>PeninsularMalaysia</u></p> <ul style="list-style-type: none"> ~ ILO Convention No. 87 ó The Freedom of Association and Protection of the Right to Organize Convention, 1948 ~ Federal Constitution ~ Employment Act, 1955 ~ Industrial Relations Act, 1967 ~ Trade Unions Act, 1959 (Act 262) <p><u>Sabah</u></p> <ul style="list-style-type: none"> ~ ILO Convention No. 87 ó The Freedom of Association and Protection of the Right to Organize Convention, 1948 ~ Federal Constitution ~ Industrial Relations Act, 1967 ~ Labour Ordinance (Sabah) Cap. 67 ~ Trade Unions Act, 1959 (Act 262) <p><u>Sarawak</u></p> <ul style="list-style-type: none"> ~ ILO Convention No. 87 ó The Freedom of Association and Protection of the Right to Organize Convention, 1948 ~ Federal Constitution ~ Industrial Relations Act, 1967 ~ Labour Ordinance, 1952 (Sarawak Cap. 76) ~ Trade Unions Act, 1959 (Act 262)

Criterion	Indicator	Verifier
	4.3.2 Provisions for forest plantation workers the right to organize and undertake collective bargaining leading to agreements in accordance with ILO Convention No. 98.	<p><u>PeninsularMalaysia</u></p> <p>~ ILO Convention No. 98 ó The Right to Organize and Collective Bargaining Convention, 1949 [taking cognizance of ILO Convention No. 100 (Convention Concerning Equal Remuneration for Men and Women Workers of Equal Value) & ILO Convention No. 111 (Convention Concerning Discrimination in Respect of Employment and Occupation)]</p> <p>~ Employment Act, 1955</p> <p>~ Industrial Relations Act, 1967</p> <p>~ Trade Unions Act, 1959 (Act 262)</p> <p><u>Sabah</u></p> <p>~ ILO Convention No. 98 ó The Right to Organize and Collective Bargaining Convention, 1949 [taking cognizance of ILO Convention No. 100 (Convention Concerning Equal Remuneration for Men and Women Workers of Equal Value) & ILO Convention No. 111 (Convention Concerning Discrimination in Respect of Employment and Occupation)]</p> <p>~ Industrial Relations Act, 1967</p> <p>~ Labour Ordinance (Sabah) Cap. 67</p> <p>~ Trade Unions Act, 1959 (Act 262)</p> <p><u>Sarawak</u></p> <p>~ ILO Convention No. 98 ó The Right to Organize and Collective Bargaining Convention, 1949 [taking cognizance of ILO Convention No. 100 (Convention Concerning Equal Remuneration for Men and Women Workers of Equal Value) & ILO Convention No. 111 (Convention Concerning Discrimination in Respect of Employment and Occupation)]</p> <p>~ Industrial Relations Act, 1967</p> <p>~ Labour Ordinance, 1952 (Sarawak Cap. 76)</p> <p>~ Trade Unions Act, 1959 (Act 262)</p>

Criterion	Indicator	Verifier
	4.3.3 Availability of appropriate procedures to address grievances raised by forest plantation workers and/or their organizations and for conflict resolution.	<u>PeninsularMalaysia</u> ~ Procedures to address grievances and for conflict resolution in accordance with the requirements of the following: o Code of Conduct for Industrial Harmony, 1975 o Employment Act, 1955 o Industrial Relations Act, 1967 ~ Minutes of joint employer-employee meetings ~ Records of fora for participation to resolve grievances <u>Sabah</u> ~ Procedures to address grievances and for conflict resolution in accordance with the requirements of the following: o Code of Conduct for Industrial Harmony, 1975 o Industrial Relations Act, 1967 o Labour Ordinance (Sabah) Cap. 67 ~ Minutes of joint employer-employee meetings ~ Records of fora for participation to resolve grievances <u>Sarawak</u> ~ Procedures to address grievances and for conflict resolution in accordance with the requirements of the following: o Code of Conduct for Industrial Harmony, 1975 o Industrial Relations Act, 1967 o Labour Ordinance (Sarawak) Cap. 76 ~ Minutes of joint employer-employee meetings ~ Records of fora for participation to resolve grievances
4.4 Management planning and operations shall incorporate the results of evaluations of social impact. Consultations shall be maintained with people and groups (both men and women) directly affected by management operations.	4.4.1 Forest plantation managers shall evaluate, through consultations, social impact of forest plantation management operations directly affecting communities, and the people and groups directly affected by the forest plantation management operations shall have access to information on the results of the social impact evaluations.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Environmental Impact Assessment (EIA) report ~ Social baseline studies / impact assessment ~ Records of meetings and/or consultations between forest plantation manager and affected local communities
	4.4.2 Forest plantation planning and management practices shall consider and incorporate the results of such evaluations.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Forest Plantation Management Plan

Criterion	Indicator	Verifier
<p>4.5 Appropriate mechanisms shall be employed for resolving grievances and for providing fair compensation in the case of loss or damage affecting the legal or customary rights, property, resources, or livelihoods of local peoples. Measures shall be taken to avoid such loss or damage.</p>	<p>4.5.1 Provisions and measures within relevant federal and state legal frameworks shall be taken to prevent loss or damage affecting the local people's legal or customary rights, property, resources, or their livelihoods.</p>	<p><u>PeninsularMalaysia/Sabah/Sarawak</u></p> <ul style="list-style-type: none"> ~ Federal Constitution ~ Forest Plantation Management Plan ~ Records of meetings and/or consultations between forest manager and affected local communities
	<p>4.5.2 Appropriate mechanisms within relevant federal and state legal frameworks are employed to resolve grievances involving loss or damage affecting the local people's legal or customary rights, property, resources, or their livelihoods, caused by forest plantation management operations.</p>	<p><u>PeninsularMalaysia/Sabah/Sarawak</u></p> <ul style="list-style-type: none"> ~ Human Rights Commission of Malaysia Act, 1999 ~ Records of outcomes of consultation and negotiation ~ Records of outcomes of arbitration ~ Records of decisions by Courts of Law

Principle 5: Benefits from the forest

Forest management operations shall encourage the efficient use of the forest's multiple products and services to ensure economic viability and a wide range of environmental and social benefits.

Criterion	Indicator	Verifier
5.1 Forest management shall strive toward economic viability, while taking into account the full environmental, social, and operational costs of production, and ensuring the investments necessary to maintain the ecological productivity of the forest. There shall be emphasis on species diversity through the cultivation of native species and minimise the setting up of monoculture forest plantations.	5.1.1 Investments and reinvestments shall be made in forest plantation management, including for forest plantation administration, research, human resource development, environmental and social aspects.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Forest Plantation Management Plan ~ Annual operating and development budget, and expenditure ~ Annual Work Plan
	5.1.2 Provisions and management are made to maintain, restore or enhance the productive capacity and ecological functions of the forest plantation areas to ensure its economic viability through species diversity.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Forest Plantation Management Plan to include specific plans for species diversity and provision of ecosystem services ~ Annual Work Plan ~ Records of permanent sample plots and data analyses ~ Records of planting, including non-timber forest resources
5.2 Forest management and marketing operations shall encourage the optimal use and local processing of the forest's diversity of products.	5.2.1 Application of forest plantation management practices to encourage the optimal use of forest plantation resources.	<u>PeninsularMalaysia /Sabah/Sarawak</u> ~ Forest plantation resource inventories ~ List and quantity of timber extracted ~ List and quantity of non-timber forest products extracted, where applicable
	5.2.2 Application of marketing operations to encourage local processing and diversifying the mix of commercial products derived from the forest plantation.	<u>PeninsularMalaysia /Sabah/Sarawak</u> ~ Quantity and percentage of timber and non-timber forest products processed locally ~ Quantity and percentage of locally processed timber and non-timber forest products exported
5.3 Forest management shall minimize waste associated with harvesting and on-site processing operations and avoid damage to other forest resources and wastage.	5.3.1 Availability and implementation of guidelines for reduced/low impact logging to minimise damage to other forest resources and wastage.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Standard operating procedures for harvesting operations
5.4 Forest management shall strive to strengthen and diversify the local economy, avoiding dependence on a single forest product.	5.4.1 Application of forest plantation management strategy that encourages the production of a mix of commercial forest products (timber and non-timber forest resources).	<u>PeninsularMalaysia./Sabah/Sarawak</u> ~ Diversification strategy in forest plantation development

Criterion	Indicator	Verifier
5.5 Forest management operations shall recognize, maintain, and, where appropriate, enhance the value of forest services and resources such as watersheds and fisheries.	5.5.1 Availability and implementation of guidelines and/or procedures to identify and demarcate sensitive areas for the protection of soil and water, watercourses and wetlands in forest plantation areas.	<u>PeninsularMalaysia</u> ~ Procedures to identify and demarcate sensitive areas for the protection of soil and water, watercourses and wetlands ~ Sensitive areas in the forest plantation identified, classified and mapped and protected <u>Sabah</u> ~ Environmental Impact Assessment (EIA) Guidelines for Logging and Forest Clearance Activities, 2002 ~ Sensitive areas in the forest plantation identified, classified and mapped and protected <u>Sarawak</u> ~ Procedures for Identifying and Demarcating Sensitive Areas for the Protection of Soil and Water, 1999 ~ Sensitive areas in the forest plantation identified, classified and mapped and protected
	5.5.2 Availability and implementation of forest plantation management guidelines, where appropriate, to maintain and/or enhance the value of forest services and resources.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Forest Plantation Management Plan ~ Harvesting Plan ~ Annual Work Plan
5.6 The rate of harvest of forest products shall not exceed levels which can be permanently sustained.	5.6.1 Rate of harvest shall be in accordance with the Forest Plantation Management Plan.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Forest Plantation Management Plan ~ Area harvested according to the approved Annual Work Plan ~ Harvesting Plan
	5.6.2 Records of quantity of timber and non-timber forest products harvested shall be maintained, taking cognisance of their sustainability in the long term.	<u>PeninsularMalaysia /Sabah/Sarawak</u> ~ Records of quantity of timber and non-timber forest products harvested Measures taken to sustain the provision of non-timber forest products

Principle 6: Environmental Impact

Forest management shall conserve biological diversity and its associated values, water resources, soils and unique and fragile ecosystems and landscapes, and, by so doing, maintain the ecological functions and the integrity of the forest.

Criterion	Indicator	Verifier
<p>6.1 Assessment of environmental impacts shall be completed ó appropriate to the scale, intensity of forest management and the uniqueness of the affected resources ó and adequately integrated into management systems. Assessments shall include landscape level consideration as well as the impacts of on-site processing facilities. Environmental impacts shall be assessed prior to commencement of site-disturbing operations.</p>	<p>6.1.1 Assessment of environmental impacts are carried out, including landscape level considerations, as well as the impacts of on-site processing facilities, appropriate to the scale and intensity of forest plantation management, prior to commencement of site-disturbing operations in forest plantation areas.</p>	<p><u>PeninsularMalaysia</u> ~ Environmental Quality Act, 1974 ~ Environmental Quality (Prescribed Activities) (Environmental Impact Assessment) Order, 1987 ~ Environmental Impact Assessment (EIA) report <u>Sabah</u> ~ Environment Protection Enactment, 2002 ~ Environment Protection (Prescribed Activities) (Environmental Impact Assessment) Order, 2005 ~ Environmental Impact Assessment (EIA) Guidelines for Logging and Forest Clearance Activities, 2002 ~ Environmental Impact Assessment (EIA) report <u>Sarawak</u> ~ Natural Resources and Environment Ordinance, 1993 (Cap. 84) ~ Natural Resources and Environment (Prescribed Activities) Order, 1994 ~ Environmental Impact Assessment (EIA) report</p>
	<p>6.1.2 Assessment of environmental impacts are carried out, including the potential impacts on endangered, rare and threatened species of flora and fauna, and the need for biological corridors in forest plantation areas, appropriate to the scale and intensity of forest plantation management.</p>	<p><u>PeninsularMalaysia</u> ~ Environmental Quality Act, 1974 ~ Environmental Quality (Prescribed Activities) (Environmental Impact Assessment) Order, 1987 ~ Environmental Impact Assessment (EIA) report Environmental Management Plan (EMP) / Wildlife Management Plan (WMP)/ Flora Management Plan (FMP) to be prerequisites in the EIA Report. <u>Sabah</u> ~ Environment Protection Enactment, 2002 ~ Environment Protection (Prescribed Activities) (Environmental Impact Assessment) Order, 2005 ~ Environmental Impact Assessment (EIA) Guidelines for Logging and Forest Clearance Activities, 2002 ~ Environmental Impact Assessment (EIA) report with EMP, WMP, FMP <u>Sarawak</u> ~ Natural Resources and Environment Ordinance, 1993 (Cap. 84) ~ Natural Resources and Environment (Prescribed Activities) Order, 1994; ~ Environmental Impact Assessment (EIA) report with EMP, WMP, FMP</p>
<p>MC&I(Forest Plantations)</p>		

Criterion	Indicator	Verifier
	6.1.3 Forest plantation management plans shall incorporate measures to mitigate the environmental impacts identified in the assessments.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Forest Plantation Management Plan
6.2 Safeguards shall exist which protect rare, threatened and endangered species and their habitats (e.g. nesting and feeding areas). Conservation zones and protection areas shall be established, appropriate to the scale and intensity of forest management and the uniqueness of the affected resources. Inappropriate hunting, fishing, trapping and collecting shall be controlled-prohibited .	6.2.1 Availability and implementation of guidelines to identify and protect endangered, rare and threatened species of forest flora and fauna, including features of special biological interest, such as seed trees, nesting and feeding areas, in forest plantation areas. Prey species of rare, threatened, endangered predators to be identified and protected. Implementation of measures to prevent and address human-wildlife conflict	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Guidelines for the identification and protection of rare, threatened and endangered species <u>Guidelines and measures to address human-wildlife conflict</u> ~ Environmental Impact Assessment (EIA) Report ~ Forest Plantation Management Plan <u>Environmental Management Plan (EMP)/ Wildlife Management Plan (WMP)/ Flora Management Plan (FMP) to be prerequisites in the EIA Report</u>
	6.2.2 Availability and implementation of management guidelines to establish representative conservation and protection areas, in accordance with existing forest ecosystems, appropriate to the scale and intensity of forest plantation management.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Guidelines for the establishment of representative conservation and protection areas ~ Environmental Impact Assessment (EIA) Report ~ Forest Plantation Management Plan <u>EMP / WMP / FMP to be prerequisites in the EIA Report</u>
	6.2.3 Existence of cooperation between forest plantation managers, and conservation organisations and regulatory authorities in implementing conservation and management activities.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Records of meetings or collaboration ~ List of collaborative projects <u>Plantation management to establish a fund for long term conservation projects</u>
	6.2.4 Hunting, fishing and collecting activities shall be controlledprohibited and unauthorised and/or inappropriate activities prevented in forest plantation areas.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Records and/or reports of hunting, fishing and collecting forest products ~ Measures to prevent unauthorised and/or inappropriate hunting, fishing, trapping and collection, such as periodic+ patrolling of forest plantation areas, signage and regulation of access to planted areas.

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	<p>6.2.5 Forest plantation workers shall be aware of endangered, rare and threatened species of forest flora and fauna found in the forest plantation areas. Such awareness shall be promoted among local communities.</p>	<p><u>PeninsularMalaysia/Sabah/Sarawak</u></p> <p>“ Records of awareness activities such as briefings, posters and publications</p> <p><u>Measures to prevent hunting, catching, collecting of endangered, rare and threatened species</u></p>
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Criterion	Indicator	Verifier
<p>6.3 Ecological functions and values shall be maintained intact, enhanced, or restored, including:-</p> <p>a) Forest regeneration and succession.</p> <p>b) Genetic, species and ecosystem diversity.</p> <p>c) Natural cycles that affect the productivity of the forest ecosystem.</p> <p>(This Criterion shall apply only to areas/sites within the forest plantation management unit which are allocated for conservation or natural forest management)</p>	<p>6.3.1 Availability and implementation of forest plantation management guidelines to demarcate and protect natural forests, and measures to enhance natural regeneration, where necessary, in forest plantation areas.</p>	<p><u>PeninsularMalaysia</u></p> <ul style="list-style-type: none"> ~ Guidelines for the demarcation and protection of natural forests ~ Forest Plantation Management Plan ~ Records of areas of natural forest demarcated, mapped and protected ~ Panduan Aktiviti Tanaman Mengaya (Pekeliling KPPSM Bil. 2/96) [Bab 9, Manual Kerja Luar Sistem Pengurusan Memilih (Selective Management System), JPSM, 1997] [Guidelines on Enrichment Planting Activities] <p><u>Sabah</u></p> <ul style="list-style-type: none"> ~ Guidelines for the demarcation and protection of natural forests ~ Forest Plantation Management Plan ~ Records of areas of natural forest demarcated, mapped, protected and enhanced through appropriate silvicultural practices <p><u>Sarawak</u></p> <ul style="list-style-type: none"> ~ Guidelines for the demarcation and protection of natural forests ~ Forest Plantation Management Plan ~ Records of areas of natural forest demarcated, mapped and protected ~ Records of restoration and rehabilitation of degraded areas
	<p>6.3.2 Availability and implementation of guidelines for the conservation of genetic, species and ecosystem diversity in the forest plantation areas.</p>	<p><u>PeninsularMalaysia/Sabah/Sarawak</u></p> <ul style="list-style-type: none"> ~ Guidelines for the conservation of genetic, species and ecosystem diversity ~ Forest Plantation Management Plan
	<p>6.3.3 Harvesting of forest plantation is designed taking into consideration the need for biological corridors and buffer zones for wildlife.</p>	<p><u>PeninsularMalaysia/Sabah/Sarawak</u></p> <ul style="list-style-type: none"> ~ Forest Plantation Management Plan ~ Harvesting Plan

Criterion	Indicator	Verifier
6.4 Representative samples of existing ecosystems within the landscape shall be protected in their natural state and recorded on maps, appropriate to the scale and intensity of operations and the uniqueness of the affected resources.	6.4.1 Representative areas of existing forest ecosystems, appropriate to the scale and intensity of forest plantation operations, identified and selected under 6.2.2, are demarcated, mapped and protected in their natural state.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Forest Plantation Management Plan ~ Records, maps and demarcation and protection of such areas
	6.4.2 Implementation of appropriate protection and management activities for these areas.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Records of implementation
6.5 Guidelines shall be prepared and implemented to: control erosion; minimize forest damage during harvesting, road construction, and all other mechanical disturbances; and protect water resources.	6.5.1 Availability of forest plantation establishment procedures to avoid loss of top soil nutrients, and soil erosion and compaction from inappropriate use of mechanical and chemical techniques.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Standard operating procedures for forest plantation establishment
	6.5.2 Availability and implementation of harvesting procedures to protect the soil from compaction by harvesting machinery and erosion during harvesting operations.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Standard operating procedures for harvesting operations
	6.5.3 Availability and implementation of guidelines for forest road lay-out and construction, including log landings and drainage requirements.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Guidelines for forest road layout, construction and maintenance ~ Harvesting Plan
	6.5.4 Availability and implementation of guidelines for conservation of buffer strips along streams and rivers.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Guidelines for conservation of buffer strips along streams and rivers ~ Forest Plantation Management Plan ~ Harvesting Plan

Criterion	Indicator	Verifier
6.6 Management systems shall promote the development and adoption of environmentally friendly non-chemical methods of pest management and strive to avoid the use of chemical pesticides. World Health Organization Type 1A and 1B and chlorinated hydrocarbon pesticides; pesticides that are persistent, toxic or whose derivatives remain biologically active and accumulate in the food chain beyond their intended use; as well as any pesticides banned by international agreement, shall be prohibited. If chemicals are used, proper equipment and training shall be provided to minimize health and environmental risks.	6.6.1 Availability and implementation of guidelines and/or procedures on the use of chemicals in forest plantation areas approved by relevant regulatory authorities.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Guidelines and/or standard operating procedures on the use of chemicals in forest plantation operations in accordance with the requirements of the following: <ul style="list-style-type: none"> o Environmental Quality (Scheduled Wastes) Regulations, 1989 o Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations, 2000 o Pesticides Act, 1974 ~ List of chemicals used
	6.6.2 Forest plantation workers shall be aware of the procedures on the use of approved chemicals in forest plantation areas.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Training records
6.7 Chemicals, containers, liquid and solid non-organic wastes, including fuel and oil, shall be disposed of in an environmentally appropriate manner at off-site locations.	6.7.1 Oil, fuel, tyres, containers, liquid and solid non-organic wastes, shall be disposed of in an environmentally appropriate and legal manner.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Standard operating procedures on waste disposal and re-cycling of solid non-organic wastes ~ Records of disposal of containers, liquid and solid non-organic wastes, including fuel and oil
6.8 Use of biological control agents shall be documented, monitored and strictly controlled in accordance with federal laws and internationally accepted scientific protocols. Use of genetically modified organisms shall be prohibited.	6.8.1 Biological control agents shall be documented, monitored and controlled in accordance with relevant federal and state laws, and internationally accepted protocols, if such agents are used.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Cartagena Protocol on Biosafety to the Convention on Biological Diversity, 2000 ~ Documentation and monitoring records of use of biological control agents, if applied
6.9 The use of exotic species shall be carefully controlled and actively monitored to avoid adverse ecological impacts.	6.9.1 Forest plantation managers shall carefully document, control and monitor the use of exotic species to avoid adverse ecological impacts.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ List of exotic species used ~ Records of monitoring and control of exotic species ~ Approval by relevant authorities for procurement of exotic species

Criterion	Indicator	Verifier
<p>6.10 Forest conversion to plantations or non-forest land uses shall not occur, except in circumstances where conversion:-</p> <p>a) does not occur on high conservation value forest areas, <u>and forest categories set out in S 10 (1) (b), (d), (e), (f), (g), (h), (i), (j) of the Forestry Act 1984;</u></p> <p>b) does not occur in ecological corridors and environmentally sensitive areas</p> <p>c) <u>does not exceed 5% of the total area of permanent reserved forest</u></p> <p>d) <u>does not affect the viability of the area to revert to natural forest cover in the long term, upon the expiry of the plantation lease period. and</u></p> <p>b) will enable clear, substantial, additional, secure, long-term benefits across the forest management unit.</p>	<p>6.10.1 Conversion of forest area to forest plantations, consistent with the provisions of relevant federal and state legal frameworks and policies, does not occur on high conservation value forest areas, <u>and forest categories set out in S 10 (1) (b), (d), (e), (f), (sg), (h), (i), (j) of the Forestry Act 1984, does not occur in ecological corridors and environmentally sensitive areas, does not exceed 5% of the total area of PRF, does not affect the viability of the area to revert to natural forest cover in the long term</u></p> <p>and shall provide <u>clear</u>, substantial, additional, secure and long term benefits across the forest plantation management unit.</p> <p>(This Indicator shall be complied with by plantations established in areas converted from natural forests after 1 January 2010)</p> <p>6.10.2 Conversion of forest plantation area to non-forest land uses, consistent with the provisions of relevant federal and state legal frameworks and policies, shall entail a very limited portion <u>(a maximum of 5 %)</u> of the forest plantation management unit, and provide higher economic values as compared to its original use, in the overall context of the need for socio-economic development of the country.</p>	<p><u>PeninsularMalaysia/Sabah/Sarawak</u></p> <p>~ Federal and state policies on forest plantation establishment</p> <p>~ <u>Protection of natural forests in ecological corridors of the Central Forest Spine and environmentally sensitive areas identified in the National Physical Plan</u></p> <p>~ Forest Plantation Management Plan</p> <p>~ Cost benefit analysis including social aspects</p> <p>~ Environmental Impact Assessment (EIA) report</p> <p>~ <u>Wildlife Management Plan</u></p> <p>~ <u>Natural Flora Management Plan</u></p> <p>~ <u>Environmental Management Plan</u></p> <p><u>Should also include all verifiers set out in 6.10 of MC&I (Natural Forest)</u></p> <p><u>PeninsularMalaysia/Sabah/Sarawak</u></p> <p>~ <u>Protection of natural forests in ecological corridors of the Central Forest Spine and environmentally sensitive areas identified in the National Physical Plan</u></p> <p>Records of conversion of forest plantation area to non-forest land uses</p> <p>~ Cost benefit analysis including social aspects</p> <p>~ Environmental Impact Assessment (EIA) report</p> <p>~ <u>Wildlife Management Plan</u></p> <p>~ <u>Natural Flora Management Plan</u></p> <p>~ <u>Environmental Management Plan</u></p> <p><u>Should also include all verifiers set out in 6.10 of MC&I (Natural Forest)</u></p>

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Principle 7: Management Plan

A management plan ó appropriate to the scale and intensity of the operations ó shall be written, implemented, and kept up to date. The long term objectives of management, and the means of achieving them, shall be clearly stated.

Criterion	Indicator	Verifier
<p>7.1 The management plan and supporting documents shall provide:-</p> <ul style="list-style-type: none"> a) Management objectives. b) Description of the forest resources to be managed, environmental limitations, land use and ownership status, socio-economic conditions, and a profile of adjacent lands. c) Description of silvicultural and/or other management system, based on the ecology of the forest in question and information gathered through resource inventories. d) Rationale for rate of annual harvest and species selection. e) Provisions for monitoring of forest growth and dynamics. f) Environmental safeguards based on environmental assessments. g) Plans for the identification and protection of rare, threatened and endangered species. h) Maps describing the forest resource base including protected areas, planned management activities and land ownership. i) Description and justification of harvesting techniques and equipment to be used. 	<p>7.1.1 Implementation of forest plantation management plan covering items (a) to (i) in Criterion 7.1, and prepared in accordance with existing guidelines and the provisions listed in Principle 1.</p>	<p><u>PeninsularMalaysia /Sabah/Sarawak</u> <u>Forest Plantation Management Plan</u> <u>Wildlife Management Plan</u> <u>Natural Flora Management Plan</u> <u>Environmental Management Plan</u></p>

Criterion	Indicator	Verifier
7.2 The management plan shall be periodically revised to incorporate the results of monitoring or new scientific and technical information, as well as to respond to changing environmental, social and economic circumstances.	7.2.1 Implementation of procedures to periodically revise the forest plantation management plan, incorporating the results of monitoring or new scientific and technical information, the frequency of which shall be appropriate to the scale and intensity of forest plantation management, so as to respond to changing environmental, social and economic circumstances.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Periodic review as prescribed in the Forest Plantation Management Plan ~ Revised Forest Plantation Management Plan
	7.2.2 Forest plantation managers shall be aware of new scientific and technical information pertinent to the management of the planted area to be certified.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Records of new scientific and technical information pertinent to the management of the planted area to be certified
7.3 Forest workers shall receive adequate training and supervision to ensure proper implementation of the management plan.	7.3.1 Availability of facilities and programs for training of forest plantation workers for proper implementation of the forest plantation management plan.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ List of training facilities and programmes conducted and/or attended
	7.3.2 Forest plantation workers shall be trained as to their respective roles in the implementation of the forest plantation management plan.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Staff training records and certificates issued
7.4 While respecting the confidentiality of information, forest managers shall make publicly available a summary of the primary elements of the management plan, including those listed in Criterion 7.1.	7.4.1 A summary of the primary elements of the forest plantation management plan as prepared and implemented under Indicator 7.1.1 shall be made publicly available.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Summary of the Forest Plantation Management Plan made publicly available

Principle 8: Monitoring and Assessment

Monitoring shall be conducted ó appropriate to the scale and intensity of forest management ó to assess the condition of the forest, yields of forest products, chain-of-custody, management activities and their social and environmental impacts.

Criterion	Indicator	Verifier
8.1 The frequency and intensity of monitoring shall be determined by the scale and intensity of forest management operations as well as the relative complexity and fragility of the affected environment. Monitoring procedures shall be consistent and replicable over time to allow comparison of results and assessment of change.	8.1.1 Forest plantation managers shall implement a comprehensive network of permanent sample plots, appropriate to the scale and intensity of forest plantation management operations, to assess the health of the planted trees, forest ecosystem and the forest environment, growing stock conditions and increment.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Details of permanent sample plots established in the forest plantation area to be certified ~ Records of periodic measurements ~ Results of analysis of the periodic measurements
	8.1.2 Forest plantation managers shall identify and implement appropriate monitoring procedures, in accordance with the scale and intensity of the forest plantation management operations, for assessing social, ecological, environmental and economic impacts.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Procedures to monitor social, ecological, environmental and economic impacts ~ Inspection reports ~ Auditing and monitoring reports
8.2 Forest management shall include the research and data collection needed to monitor, at a minimum, the following indicators:- a) Yield of all forest products harvested. b) Growth rates, regeneration and condition of the forest. c) Composition and observed changes in the flora and fauna. d) Environmental and social impacts of harvesting and other operations. e) Costs, productivity, and efficiency of forest management.	8.2.1 Forest plantation managers shall gather the relevant information, appropriate to the scale and intensity of forest plantation management, needed to monitor the items (a) to (e) listed in Criterion 8.2.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Monitoring reports covering items (a) to (e)
8.3 Documentation shall be provided by the forest manager to enable monitoring and certifying organizations to trace each forest product from its origin, a process known as the óchain-of-custodyö.	8.3.1 Forest plantation managers shall provide relevant documents for identifying all forest products leaving the planted area to be certified so that their origin could be easily determined.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Felling, extraction and transportation records ~ Removal passes/permits
8.4 The results of monitoring shall be incorporated into the implementation and revision of the management plan.	8.4.1 Forest plantation managers shall incorporate the results and findings of the monitoring activities into the implementation and revision of the forest plantation management plan.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Revised Forest Plantation Management Plan ~ Monitoring reports
8.5 While respecting the confidentiality of information, forest managers shall make publicly available a summary of the results of monitoring indicators, including those listed in Criterion 8.2.	8.5.1 A summary of the results of monitoring indicators, including those listed in Criterion 8.2, shall be made publicly available.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Summary of the monitoring results made publicly available

Principle 9: Maintenance of High Conservation Value Forests

Management activities in high conservation value forests shall maintain or enhance the attributes which define such forests. Decisions regarding high conservation value forests shall always be considered in the context of a precautionary approach.

Criterion	Indicator	Verifier
9.1 Assessment to determine the presence of the attributes consistent with High Conservation Value Forests will be completed, appropriate to scale and intensity of forest management.	9.1.1 Forest plantation managers shall conduct an assessment to identify High Conservation Value Forests (HCVFs) in accordance with relevant guidelines, appropriate to scale and intensity of management for forest plantation areas, and in consultation with relevant stakeholders and experts.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Report on the assessment, identification and demarcation on maps of HCVFs in the Forest Plantation Management Plan
9.2 The consultative portion of the certification process must place emphasis on the identified conservation attributes, and options for the maintenance thereof.	9.2.1 Forest plantation managers shall provide the assessors with a list of relevant stakeholders who have been consulted regarding the HCVFs.	<u>PeninsularMalaysia /Sabah/Sarawak</u> ~ List of relevant stakeholders consulted regarding the HCVFs ~ Records of meetings/dialogues with relevant stakeholders and experts regarding the HCVFs
	9.2.2 Forest plantation managers shall demonstrate that forest plantation management protect areas of high conservation value in forest plantation areas.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Incorporation of protected HCVFs into the Forest Plantation Management Plan
9.3 The management plan shall include and implement specific measures that ensure the maintenance and/or enhancement of the applicable conservation attributes consistent with the precautionary approach. These measures shall be specifically included in the publicly available management plan summary.	9.3.1 Measures to demarcate, maintain and/or enhance the HCVF attributes are documented in the forest plantation management plan and effectively implemented.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ HCVF areas are mapped and incorporated into the Forest Plantation Management Plan and demarcated on the ground ~ Management prescriptions to maintain and/or enhance HCVF attributes, and reports on measures taken
	9.3.2 These measures shall be included in the forest plantation management plan summary made publicly available.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Summary of the Forest Plantation Management Plan with the HCVF measures included made publicly available
9.4 Annual monitoring shall be conducted to assess the effectiveness of the measures employed to maintain or enhance the applicable conservation attributes.	9.4.1 Forest plantation managers shall conduct, appropriate to scale and intensity of forest plantation management, annual monitoring to assess the effectiveness of the measures in the management of the HCVFs in forest plantation areas.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Monitoring procedures to assess the effectiveness of the measures in the management of the HCVFs ~ Monitoring records
	9.4.2 Forest plantation managers shall incorporate the results and findings of the HCVFs monitoring activities into the implementation and revision of the forest plantation management plan.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Revised Forest Plantation Management Plan ~ Monitoring records

Principle 10: Plantation Development

Plantations shall be planned, established and managed in accordance with Principles 1 ó 9 and their associated Criteria, and Principle 10 and its Criteria.

Criterion	Indicator	Verifier
10.1 The management objectives of the plantation, including natural forest conservation and restoration objectives, shall be explicitly stated in the management plan, and clearly demonstrated in the implementation of the plan.	10.1.1 Implementation of forest plantation management plan with clear management objectives, including natural forest conservation and restoration objectives.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Forest Plantation Management Plan ~ Annual Work Plan Implementation of action plans for natural forest conservation and restoration
10.2 The design and layout of plantations shall promote the protection, restoration and conservation of natural forests, and not increase pressures on natural forests. Wildlife corridors, streamside zones and a mosaic of stands of different ages and rotation periods, shall be used in the layout of the plantation, consistent with the scale of the operation. The scale and layout of plantation blocks shall be consistent with the patterns of forest stands found within the natural landscape.	10.2.1 Forest plantation design and layout shall promote the protection, restoration and conservation of natural forests for forest plantation areas.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Forest Plantation Management Plan Records, maps, demarcation and protection of natural forest areas
	10.2.2 Forest plantation establishment shall, appropriate to the scale of the operation, follow natural landscape and take into account the need for wildlife corridors, buffer strips for permanent streams and rivers, as well as a mosaic of stands of different age classes.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Forest Plantation Management Plan ~ Records and maps of planting patterns in the forest plantation area Records, maps, demarcation and protection of such areas
10.3 Diversity in the composition of plantations is preferred, so as to enhance economic, ecological and social stability. Such diversity may include the size and spatial distribution of management units within the landscape, number and genetic composition of species, age classes and structures.	10.3.1 Availability of information on planting stock and species planted in the forest plantation areas, taking cognizance that diversity in composition of forest plantation is preferred, so as to enhance economic, ecological and social stability.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ List of species planted in the forest plantation area, including their origin Action taken to plant a diversity of species
	10.3.2 Availability of documentation of the size and spatial distribution of the established forest plantation areas.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Extent of area planted by each species and by age classes ~ Maps depicting the spatial distribution of the planted species

Criterion	Indicator	Verifier
10.4 The selection of species for planting shall be based on their overall suitability for the site and their appropriateness to the management objectives. In order to enhance the conservation of biological diversity, native species are preferred over exotic species, other than the already established and proven exotic species, in the establishment of plantations and the restoration of degraded ecosystems. Exotic species, which shall be used only when their performance is greater than that of native species, shall be carefully monitored to detect unusual mortality, disease, or insect outbreaks and adverse ecological impacts. Exotic species which are invasive shall not be introduced and those already introduced shall be withdrawn.	10.4.1 Availability of documentation of choice of species that match the site conditions and the management objectives of the established forest plantation areas.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Records of soil and site survey ~ Documentation of growth characteristics, performance and management of the selected species for forest plantation establishment
	10.4.2 Availability of justification and/or analysis of the comparative advantages/benefits of choosing exotic species over native species in forest plantations establishment and/or restoration.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Results of comparative justification and/or analysis on the advantages/benefits of using exotic species over native species found naturally in the planted areas for forest plantations establishment and/or restoration
	10.4.3 Assessment of forest plantations established with exotic species through monitoring of permanent sample plots to detect unusual mortality, disease, or insect outbreaks and adverse ecological impacts.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Records of monitoring of forest plantations established with exotic species ~ Results of analysis of permanent sample plots Action taken to control spread of invasive exotic species
10.5 A proportion of the overall forest plantation management area, appropriate to the scale of the plantation, shall be managed so as to restore the site to a natural forest cover.	10.5.1 Provision and measures, appropriate to the scale of the forest plantation, to manage part of the forest plantation areas as natural forest.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Documentation and maps depicting areas managed as natural forest in the forest plantation area, and their demarcation and protection ~ Management strategy, plans and programs for monitoring progress in managing the natural forest
10.6 Measures shall be taken to maintain or improve soil structure, fertility, and biological activity. The techniques and rate of harvesting, road and trail construction and maintenance, and the choice of species shall not result in long term soil degradation or adverse impacts on water quality, quantity or substantial deviation from stream course drainage patterns.	10.6.1 Application of appropriate site preparation and planting techniques, road and trail construction and maintenance, and the selection of species for forest plantation areas that would not cause long term soil degradation or adverse impacts on water quality and quantity or substantial deviation from stream course drainage patterns.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Guidelines for site preparation and planting techniques ~ Guidelines for forest road layout, construction and maintenance ~ Harvesting Plan ~ Documentation of choice of species selected for forest plantation establishment
10.7 Measures shall be taken to prevent and minimize outbreaks of pests, diseases, fire and invasive plant introductions. Integrated pest management shall form an essential part of the management plan, with primary reliance on prevention and biological control methods rather than chemical pesticides and fertilizers. Plantation management shall make every effort to move away from chemical pesticides and fertilizers, including their use in nurseries. The use of chemicals is also covered in Criteria 6.6 and 6.7.	10.7.1 Availability and implementation of guidelines and/or procedures to control the outbreaks of pests, diseases and fire, as well as invasive plant introductions, if any, for forest plantation areas.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Guidelines and/or standard operating procedures for pest control and disease management practices, including forest hygiene practices and biological control methods ~ Forest Fire Management Plan ~ Procedures for preventing, monitoring and assessing invasive plant introductions

Criterion	Indicator	Verifier
	10.7.2 Availability and implementation of fertilization schedule for forest plantation areas, including the use of chemical pesticides and biological agents such as plants and soil organisms that fix and store key elements and nutrients.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Records of application of fertilizers in forest plantation establishment and development, including their use in nurseries, as well as use of chemical pesticides and biological agents ~ Standard operating procedures for the use of chemicals in forest plantation operations
10.8 Appropriate to the scale and diversity of the operations, monitoring of plantations shall include regular assessment of potential on-site and off-site ecological and social impacts, (e.g. natural regeneration, effects on water resources and soil fertility, and impacts on local welfare and social well-being), in addition to those elements addressed in Principles 8, 6 and 4. No species shall be planted on a large scale until local trials and/or experience have shown that they are ecologically well-adapted to the site, are not invasive, and do not have significant negative ecological impacts on other ecosystems. Special attention will be paid to social issues of land acquisition for plantations, especially the protection of local rights of ownership, use or access.	10.8.1 Availability and implementation of programs, appropriate to the scale and diversity of the forest plantation operations, to monitor the potential on-site and off-site ecological and social impacts of forest plantation establishment and development.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Annual Work Plan ~ Environmental Impact Assessment (EIA) report ~ Monitoring reports Action taken to address adverse impacts
	10.8.2 Availability of documentation of nursery and field trials, including provenance trials, of selected species for forest plantation establishment.	<u>PeninsularMalaysia/Sabah/Sarawak</u> ~ Reports on nursery and field trials, including provenance trials, of the selected species used in forest plantation establishment ~ Results and analysis of nursery and field trials, including provenance trials, of the selected species used in forest plantation establishment Action taken to exclude, withdraw unsuitable exotic species.

Criterion	Indicator	Verifier
	10.8.3 Availability of documentation of land acquisition within relevant federal and state legal frameworks for forest plantation areas that respect and protect rights of ownership, use or access.	<p><u>PeninsularMalaysia</u></p> <ul style="list-style-type: none"> ~ National Land Code, 1965 ~ State Forest Enactments ~ State Forest Rules ~ Records of alienation and use rights ~ Concessionaire and/or lease agreements ~ Forest harvesting licence ~ Land title <p><u>Sabah</u></p> <ul style="list-style-type: none"> ~ Forest Enactment, 1968 ~ Forest Rules, 1969 ~ Land Ordinance, 1930 (Sabah Cap. 68) ~ Land title ~ Sustainable Forest Management Licence Agreement / Long Term Timber Licence Agreement <p><u>Sarawak</u></p> <ul style="list-style-type: none"> ~ Forests Ordinance, 1954 (Cap. 126) ~ Land Code, 1958 (Cap. 81) ~ Licence for Planted Forests ~ All customary laws/adat laws codified under the Native Customs (Declaration) Ordinance, 1996, and any other established customs of the communities recognised and enforceable by the Native Courts under the Native Courts Ordinance, 1992 and the Native Courts Rules, 1993 ~ Decisions of the Civil Courts pertaining to legal or customary tenure or use rights ~ Land title