

**Malaysian Criteria and Indicators
for Forest Management Certification
[*MC&I*(2002)]**

MALAYSIAN CRITERIA AND INDICATORS FOR FOREST MANAGEMENT CERTIFICATION [MC&I(2002)]

1. Introduction

The *Malaysian Criteria and Indicators for Forest Management Certification* [or in short the *MC&I(2002)*] is the standard used for assessing forest management practices at the forest management unit (FMU) level for the purpose of certification.

2. Background

2.1 The *MC&I(2002)* is a result of the collaboration between the Malaysian Timber Certification Council (MTCC) and the Forest Stewardship Council (FSC) which was initiated in 1999.

2.2 Under the collaboration, a *Workshop on Forest Certification* was held in December 2000, resulting in the formation of a multi-stakeholder National Steering Committee (NSC) which was given the mandate to decide on the terms and conditions for further MTCC-FSC collaboration as well as to revise the existing forest management standard so as to be compatible with the requirements of the FSC. In addition, a joint MTCC-FSC study to compare the existing forest management standard with the FSC Principles and Criteria (P&C) was undertaken by two independent consultants and the final report was submitted to MTCC and FSC in September 2001.

2.3 In all, a total of seven NSC meetings were held where important decisions were made, paving the way for the development and adoption of the *MC&I(2002)*. The First NSC meeting was held on 24 April 2001 where the findings and recommendations of the joint MTCC-FSC study were presented. At the Second NSC meeting held on 14 August 2001, a decision was made to adopt the FSC P&C format and structure in revising the existing forest management standard.

2.4 At the Third NSC meeting held on 22-23 October 2001, a four-member Technical Working Group (TWG) was formed and thereafter met on 12-16 November 2001 and 22-23 January 2002 to prepare the initial draft of the *MC&I(2002)* up to the Indicator level. In preparing the draft, the TWG had drawn guidance from the existing forest management standard entitled *Malaysian Criteria, Indicators, Activities and Standards of Performance for Forest Management Certification (MC&I)* dated 4 October 2001 which was formulated based on the 1998 *ITTO Criteria and Indicators for Sustainable Management of Natural Tropical Forests*.

2.5 The Fourth NSC meeting held on 25-26 January 2002 considered and adopted the draft *MC&I(2002)* prepared by the TWG. The meeting also agreed to the formation of three regional TWGs to incorporate Verifiers for Sabah, Sarawak and Peninsular Malaysia into the draft *MC&I(2002)*, and that these Verifiers be finalised at regional and national level consultations. The need to formulate Verifiers separately for the three regions in Malaysia is to take into account the different economic, environmental and social conditions between the regions.

2.6 In Sarawak, a regional TWG meeting was held in Kuching on 1-2 April 2002 to formulate the Verifiers for Sarawak and these Verifiers were subsequently finalised at the regional consultation held on 21-23 May 2002 in Kuching.

2.7 In Sabah, the Forestry Department took the lead in preparing the working document incorporating the Verifiers for Sabah which were finalised at the regional consultation held on 17-18 April and 25-26 June 2002 in Kota Kinabalu.

2.8 In Peninsular Malaysia, a total of four regional TWG meetings were held to incorporate the Verifiers for Peninsular Malaysia, i.e. on 10 April, 17-18 May, 6-7 June and 17-18 June 2002. Subsequently, the regional consultation to finalise the Verifiers for Peninsular Malaysia was held on 24-25 July 2002 in Kuala Lumpur.

- 2.9 Thereafter MTCC, as the NSC Secretariat, collated the Verifiers for Sabah, Sarawak and Peninsular Malaysia and the draft *MC&I(2002)* incorporating these Verifiers was further deliberated before being adopted by the Fifth NSC meeting held on 14-15 August 2002.
- 2.10 At the National-Level Consultation held on 28-30 October 2002 in Kuala Lumpur which was attended by 113 participants representing all the stakeholder groups, the *MC&I(2002)* was finalised and adopted as the standard for forest management certification with the proviso that discussion and clarification with certain stakeholder groups be made on some specific Verifiers. The National-Level Consultation also agreed that the *MC&I(2002)* be field-tested in the three regions of Malaysia.
- 2.11 Following further discussions among certain stakeholder groups and clarification with relevant organisations to confirm some specific Verifiers, the Sixth NSC meeting held on 12 June 2003 agreed to implement the decision of the National-Level Consultation to field-test the *MC&I(2002)*.
- 2.12 Subsequently, the field tests of the *MC&I(2002)* were conducted in the Deramakot Forest Reserve in Sabah on 9-13 February 2004, Perak FMU on 1-6 March 2004 and Timber Licence Area T/3236, Ulu Balui, Kapit in Sarawak on 7-12 May 2004. All the field tests were conducted by independent assessment teams and participated by stakeholder representatives who provided valuable inputs. The field tests were also assisted by resource persons who provided the necessary field information and logistic support.
- 2.13 The outcomes of the three field tests were presented for the consideration and decision of the Seventh NSC meeting on 10-11 August 2004 which agreed to adopt the *MC&I(2002)* as the standard for forest management certification.

3. Terminology used in the *MC&I(2002)*

As the *MC&I(2002)* follows the format and structure of the FSC P&C, definitions as contained in the document “*FSC Principles and Criteria (Revised February 2000)*” are applicable to this document. In addition, relevant definitions from other documents, i.e. “*ITTO Criteria and Indicators for Sustainable Management of Natural Tropical Forests, 1998*”, “*The CIFOR Criteria and Indicators Generic Template, 1999*”, “*Convention on Biological Diversity, 1992*”, “*National Forestry Act, 1984*” and “*Malaysian Criteria, Indicators, Activities and Standards of Performance for Forest Management Certification (MC&I) dated 4 October 2001*”, as well as definitions agreed at the National-Level Consultation are adopted. These definitions are listed in **Appendix I**.

4. Format of the *MC&I(2002)*

The *MC&I(2002)* is formatted into 3 columns, with the first column containing the Criteria listed under the corresponding FSC Principle. The second and third columns show the corresponding Indicators and Verifiers adopted for each Criterion. In specific cases, slightly different Verifiers have been adopted and listed separately for Sabah, Sarawak and Peninsular Malaysia to take into account the regional differences.

5. Review of the *MC&I(2002)*

The *MC&I(2002)* will be reviewed and updated periodically, based on feedback and experience gained through its application in the field.

NATIONAL STEERING COMMITTEE

11 August 2004

MALAYSIAN CRITERIA AND INDICATORS FOR FOREST MANAGEMENT CERTIFICATION [MC&I(2002)]

FSC Principles & Criteria	Indicators	Verifiers
Principle #1: Compliance with laws and FSC Principles Forest management shall respect all applicable laws of the country in which they occur, and international treaties and agreements to which the country is a signatory, and comply with all FSC Principles and Criteria.		
1.1 Forest management shall respect all national and local laws and administrative requirements.	1.1.1 Records and availability of up-to-date relevant national and local laws, and regulations and policies, in particular those related to forest management.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> • Federal Constitution • National Forestry Policy, 1978 • National Policy on Biological Diversity, 1998 • National Forestry Act, 1984 • State Forest Enactments • State Ordinances related to protection of wildlife • State Forest Rules • Land Conservation Act, 1960 • Environmental Quality Act, 1974 • National Parks Act, 1980 • Taman Negara (Kelantan) Enactment, 1938 • Taman Negara (Pahang) Enactment, 1939 • Taman Negara (Terengganu) Enactment, 1939 • National Parks (Johor) Corporation Enactment, 1989 • Protection of Wildlife Act, 1972 • Aboriginal Peoples Act, 1954 • Occupational Safety and Health Act, 1994 • National Land Code, 1965 • Water Act, 1920 • Employees' Social Security Act, 1969 • Workmen's Compensation Act, 1952 • Industrial Relations Act, 1967 • Trade Unions Act, 1959 (Act 262) • Employment Act, 1955

FSC Principles & Criteria	Indicators	Verifiers
		<p><u>Sabah</u></p> <ul style="list-style-type: none"> • Federal Constitution • Sabah State Constitution • State Forest Policy, 1954 • National Policy on Biological Diversity, 1998 • Forest Enactment, 1968 • Forest Rules, 1969 • Conservation of Environment Enactment, 1996 • Parks Enactment, 1984 • Wildlife Conservation Enactment, 1997 • Water Resources Enactment, 1998 • State Cultural Heritage (Conservation) Enactment, 1997 • Biodiversity Enactment, 2000 • Occupational Safety and Health Act, 1994 • Land Ordinance, 1930 (Sabah Cap. 68) • Labour Ordinance (Sabah) Cap 67 • Environmental Quality Act, 1974 • Native Court Enactment, 1992 • Interpretation of the Native Ordinance, 1952 • All Adats recognised and enforceable by the Native Courts, including relevant decisions of the Civil Courts • Employees' Social Security Act, 1969 • Workmen's Compensation Act, 1952 • Trade Unions Act, 1959 (Act 262) • Industrial Relations Act, 1967 • Human Rights Commission of Malaysia Act, 1999 • Pesticides Act, 1974 • Pesticides Procedures (Labelling), 1984 • Native Court (Native Customary Laws) Rules, 1995 • Occupational Safety and Health (Classification, Packaging and Labelling) Regulations, 1997 • Occupational Safety and Health (Use and Standard of Exposure of Chemicals Hazardous to Health) Regulations, 2000

FSC Principles & Criteria	Indicators	Verifiers
		<p><u>Sarawak</u></p> <ul style="list-style-type: none"> • Federal Constitution • National Policy on Biological Diversity, 1998 • Statement of Forest Policy, 1954 • Natural Resources and Environment (Amendment) Ordinance, 1997 (Cap. 84) and Regulations/Orders made thereunder • Forests Ordinance, 1954 (Cap. 126) • Forest Rules, 1962 • Wild Life Protection Ordinance, 1998 (Cap. 26) • Wild Life Protection Rules, 1998 • Water Ordinance, 1994 and Regulations made thereunder • Sarawak Cultural Heritage Ordinance, 1993 • Occupational Safety and Health Act, 1994 and Regulations made thereunder • Labour Ordinance, 1952 (Sarawak Cap. 76) • Land Code, 1958 (Cap. 81) • Native Courts Ordinance, 1992 and Rules • Native Customs (Declaration) Ordinance, 1996 • Sarawak Biodiversity Centre Ordinance, 1997 and Regulations made thereunder • Sarawak Rivers Ordinance, 1993 (Cap. 4) and Regulations made thereunder • All Adats codified under the Native Customs (Declaration) Ordinance, 1996, and any other Adats 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 • Native Courts Rules, 1993 • Environmental Quality Act, 1974 • Employees' Social Security Act, 1969 • Employees' Social Security (General Regulations), 1971 • Human Rights Commission of Malaysia Act, 1999 • Pesticides Act, 1974 • Pesticides (Labelling) Regulations, 1984 • Occupational Safety and Health (Classification, Packaging and Labelling) Regulations, 1997 • Occupational Safety and Health (Use and Standard of Exposure of Chemicals Hazardous to Health) Regulations, 2000 • Industrial Relations Act, 1967 • Trade Unions Act, 1959 (Act 262)

FSC Principles & Criteria	Indicators	Verifiers
	1.1.2 Forest managers are knowledgeable of the relevant national and local laws, and the regulatory framework.	
	1.1.3 Record of violations and actions taken to address them.	<u>Peninsular Malaysia/Sabah/Sarawak</u> <ul style="list-style-type: none"> Records of forest 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>Peninsular Malaysia</u> <ul style="list-style-type: none"> State Forest Rules <u>Sabah</u> <ul style="list-style-type: none"> FD Circulars Gazetted royalty structure and rates Performance bond for Sustainable Forest Management Licence Agreement Community forest cess fund Royalty based on species group Occupational permit Machinery registration fee Rehabilitation fund Revised licence fees and other charges as listed in “<i>Arahan Pengarah Bil: 10/2000 (Ref: JPHTN/PP 100 -4/1/13)</i>” <u>Sarawak</u> <ul style="list-style-type: none"> Forests Ordinance, 1954 (Cap. 126) – <i>First Schedule</i> [Section 52 (2)]: Produce Taken Under Licence – Rates of Royalty and <i>Second Schedule</i> [Section 52 (5)]: Produce Taken Under Permit Forest Premium and Cess under Fourth Schedule of Forest Timber Licence Liquidated Damage under Fifth Schedule of Forest Timber Licence Wild Life Protection Rules, 1998 – Second Schedule: Fees for Licence and Permit
	1.2.2 Records are kept of all payments made.	<u>Peninsular Malaysia/Sabah/Sarawak</u> <ul style="list-style-type: none"> Records of payments made

FSC Principles & Criteria	Indicators	Verifiers
<p>1.3 In signatory countries, the provisions of all binding international agreements such as CITES, ILO Conventions, ITTA, and Convention on Biological Diversity, shall be respected.</p>	<p>1.3.1 Forest managers are aware of all binding international agreements such as CITES, core ILO Conventions, ITTA, and Convention on Biological Diversity.</p>	<p>Relevant provisions related to forest management of the following binding international agreements are respected in forest management:</p> <p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • United Nations Convention on Biological Diversity, 1992 • Convention on Wetlands of International Importance Especially as Waterfowl Habitat, 1971 • International Tropical Timber Agreement, 1994 • United Nations Framework Convention on Climate Change, 1992 • Convention on International Trade in Endangered Species of Wild Fauna and Flora, 1973 • International Labour Organization (ILO) Conventions <ul style="list-style-type: none"> ○ Convention No. 87 – The Freedom of Association and Protection of the Right to Organise Convention, 1948 - Articles 2, 3, 5 and 11 ○ Convention No. 98 – The Right to Organise and Collective Bargaining Convention, 1949 - Articles 1 and 2 ○ Convention No. 29 – Forced Labour Convention, 1930 ○ Convention No. 105 – Abolition of Forced Labour Convention, 1957 ○ Convention No. 111 - Discrimination (Employment and Occupation) Convention, 1958 – The Right to Equal Treatment ○ Convention No. 100 – Equal Remuneration Convention, 1951 - The Right to Equal Pay <p><u>Sabah</u></p> <ul style="list-style-type: none"> • United Nations Convention on Biological Diversity, 1992 • Convention on Wetlands of International Importance Especially as Waterfowl Habitat, 1971 • International Tropical Timber Agreement, 1994 • United Nations Framework Convention on Climate Change, 1992 • Convention on International Trade in Endangered Species of Wild Fauna and Flora, 1973 • International Labour Organisation (ILO) Conventions <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • United Nations Convention on Biological Diversity, 1992 • Convention on Wetlands of International Importance Especially as Waterfowl Habitat, 1971 • International Tropical Timber Agreement, 1994 • United Nations Framework Convention on Climate Change, 1992 • Convention on International Trade in Endangered Species of Wild Fauna and Flora, 1973 • International Labour Organisation (ILO) Conventions

FSC Principles & Criteria	Indicators	Verifiers
1.4 Conflicts between laws, regulations and the FSC 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 the FSC Principles and Criteria.	<u>Peninsular Malaysia/Sabah/Sarawak</u> <ul style="list-style-type: none"> Records of evaluation of conflicts between laws, regulations and the FSC Principles and Criteria, if any
	1.4.2 Forest managers are willing to participate in any process to resolve such conflicts that may arise with the affected parties.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> Records (minutes, diaries, etc) of forest manager's participation in resolving such conflicts, if any <u>Sabah/Sarawak</u> <ul style="list-style-type: none"> Records of forest manager's participation in resolving such conflicts
1.5 Forest management areas should be protected from illegal harvesting, settlement and other unauthorised activities.	1.5.1 Availability of legal provisions for the establishment and protection of the permanent reserved forest (PRF) for Peninsular Malaysia and forest management areas for Sabah and Sarawak.	Compliance with the following through records of monitoring: <u>Peninsular Malaysia</u> <ul style="list-style-type: none"> National Forestry Policy, 1978 - Paragraphs 2.2.1 and 2.2.2 National Forestry Act, 1984 - Sections 7 to 13 <u>Sabah</u> <ul style="list-style-type: none"> State Forest Policy, 1954 Forest Enactment, 1968 Conservation of Environment Enactment, 1996 Parks Enactment, 1984 Wildlife Conservation Enactment, 1997 Water Resource Enactment, 1998 Biodiversity Enactment, 2000 Land Ordinance, 1930 (Sabah Cap. 68) Native Court Enactment, 1992 Interpretation of the Native Ordinance, 1952 All Adats recognised and enforceable by the Native Courts, including relevant decisions of the Civil Courts Sustainable Forest Management Licence Agreement Long Term Timber Licence Agreement <u>Sarawak</u> <ul style="list-style-type: none"> Statement of Forest Policy, 1954 Forests Ordinance, 1954 (Cap. 126) – Part II (Forest Reserves) and Part III (Protected Forests)

FSC Principles & Criteria	Indicators	Verifiers
	<p>1.5.2 Control of encroachment, illegal harvesting, hunting, and settlement, and other unauthorised activities in managed areas of the PRFs for Peninsular Malaysia and forest management areas for Sabah and Sarawak by forest managers, and forested areas outside the PRFs for Peninsular Malaysia by other regulatory agencies.</p>	<p>Compliance with the following through record of monitoring:</p> <p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • National Forestry Act, 1984 - Sections 32, 47, 50, 81, 82 and 86 • State Forest Rules - Rules 9, 25 and 32 • National Parks Act, 1980 - Sections 4 and 11 • Protection of Wildlife Act, 1972 - Sections 48 to 50 • State Forest Enactments <p><u>Sabah</u></p> <ul style="list-style-type: none"> • Forest Enactment, 1968 • Forest Rules, 1969 • Wildlife Conservation Enactment, 1997 • Water Resources Enactment, 1998 • Conservation of Environment Enactment, 1996 • State Cultural Heritage (Conservation) Enactment, 1997 • Biodiversity Enactment, 2000 • Native Court Enactment, 1992 • Interpretation of the Native Ordinance, 1952 • All Adats recognised and enforceable by the Native Courts, including relevant decisions of the Civil Courts • Sustainable Forest Management Licence Agreement • Long Term Timber Licence Agreement

FSC Principles & Criteria	Indicators	Verifiers
		<u>Sarawak</u> <ul style="list-style-type: none"> • Forests Ordinance, 1954 (Cap. 126) – Sections 21, 36, 77-80, 85, 90, 90A and 92A • Forest Rules, 1962 • Wild Life Protection Ordinance, 1998 (Cap. 26) – Part IV (Protection of Wild Life) and Part V (Provisions as to Procedures and Trials) • Wild Life Protection Rules, 1998 – Part VI (Enforcement) and Part VII (Compounding of Offences) • Native Courts Ordinance, 1992 • Native Courts Rules, 1993 • Native Customs (Declaration) Ordinance, 1996 • All Adats codified under the Native Customs (Declaration) Ordinance, 1996, and any other Adats 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 • Sarawak Biodiversity Centre Ordinance, 1997 - Part IV (Legal Proceedings, Offences and Penalties, etc.) and regulations made thereunder • Forest Management Plan
1.6 Forest managers shall demonstrate a long-term commitment to adhere to the FSC Principles and Criteria.	1.6.1 Availability of policies or statements of commitment to forest management practices consistent with the FSC Principles & Criteria.	<u>Peninsular Malaysia/Sabah/Sarawak</u> <ul style="list-style-type: none"> • Records or statements of such commitment
	1.6.2 Policies or statements are communicated throughout the organisation and contractors, and are made available to the public.	<u>Peninsular Malaysia/Sabah</u> <ul style="list-style-type: none"> • Records of staff briefings • Contractual agreements • Public summary of policy statement <u>Sarawak</u> <ul style="list-style-type: none"> • Records of staff briefings • Relevant statements in contractual agreements • Public summary of policy statement

FSC Principles & Criteria	Indicators	Verifiers
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.		
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.	2.1.1 Availability of documentation of legal status, and established forest use rights of the land or forest resources within the relevant national and regional legal frameworks, in the PRFs for Peninsular Malaysia and forest management areas for Sabah and Sarawak.	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> Records of gazettment of PRFs Concessionaire agreements Forest harvesting licence Entry permits Road permits Use permits Records of aboriginal reserves Records of aboriginal areas <p><u>Sabah</u></p> <ul style="list-style-type: none"> Sustainable Forest Management Licence Agreement Land Ordinance, 1930 (Sabah Cap. 68) Native Court Enactment, 1992 Interpretation of the Native Ordinance, 1952 Long Term Timber Licence Agreement All Adats recognised and enforceable by the Native Courts, including relevant decisions of the Civil Courts Forest Enactment, 1968 Sabah State Constitution Water Resource Enactment, 1998 <p><u>Sarawak</u></p> <ul style="list-style-type: none"> Forests Ordinance, 1954 (Cap. 126) - Part II (Forest Reserves), Part III (Protected Forests) and Part IV (Communal Forests) Forest Timber Licence Land Code, 1958 (Cap. 81) (grants, leases, native customary rights and communal reserves) All Adats codified under the Native Customs (Declaration) Ordinance, 1996, and any other Adats 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

FSC Principles & Criteria	Indicators	Verifiers
	2.1.2 Forest managers should support legally recognized mechanisms for resolving land claims.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> Records of participation in the resolution of land claims in PRFs, if any <u>Sabah/Sarawak</u> <ul style="list-style-type: none"> Records of participation in the resolution of land claims, if any
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.	2.2.1 Availability of documentation, if any, of legal or customary tenure or use rights of local communities within relevant national and regional legal frameworks in the PRFs for Peninsular Malaysia and forest management areas for Sabah and Sarawak.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> National Forestry Act, 1984 Aboriginal Peoples Act, 1954 <u>Sabah</u> <ul style="list-style-type: none"> Land Ordinance, 1930 (Sabah Cap. 68) Established Native Customary Rights Native Court Enactment, 1992 Native Court (Native Customary Laws) Rules, 1995 All Adats recognised and enforceable by the Native Courts, including relevant decisions of the Civil Courts <u>Sarawak</u> <ul style="list-style-type: none"> Notification in Sarawak Government Gazette All Adats codified under the Native Customs (Declaration) Ordinance, 1996, and any other Adats 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
	2.2.2 Forest managers should collaborate with holders of duly recognized legal or customary tenure or use rights within relevant national and regional legal frameworks, in activities that may affect such rights.	<u>Peninsular Malaysia/Sabah</u> <ul style="list-style-type: none"> Records of participation in the resolution of land claims, if any <u>Sarawak</u> <ul style="list-style-type: none"> Records of collaboration, if any

FSC Principles & Criteria	Indicators	Verifiers
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 Records of all disputes over tenure and use rights are maintained for areas in the PRFs for Peninsular Malaysia and forest management areas for Sabah and Sarawak.	<u>Peninsular Malaysia/Sabah/Sarawak</u> <ul style="list-style-type: none"> Records of disputes over tenure and use rights are maintained, if any
	2.3.2 Availability of appropriate mechanisms to resolve such disputes.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> Records of appropriate mechanisms <u>Sabah</u> <ul style="list-style-type: none"> Land Ordinance, 1930 (Sabah Cap. 68) Native Court Enactment, 1992 Native Court (Native Customary Laws) Rules, 1995 All Adats recognised and enforceable by the Native Courts, including relevant decisions of the Civil Courts <u>Sarawak</u> <ul style="list-style-type: none"> Direct negotiations or arbitration Native Courts Civil Courts

FSC Principles & Criteria	Indicators	Verifiers
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 recognized and respected.		
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 people's lands within relevant national and regional legal frameworks.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> Records of customary rights of indigenous people's lands under the Aboriginal Peoples Act, 1954 <u>Sabah</u> <ul style="list-style-type: none"> Land Ordinance, 1930 (Sabah Cap. 68) Established Native Customary Rights State Cultural Heritage (Conservation) Enactment, 1997 Native Court Enactment, 1992 Native Court (Native Customary Laws) Rules, 1995 All Adats recognised and enforceable by the Native Courts, including relevant decisions of the Civil Courts <u>Sarawak</u> <ul style="list-style-type: none"> Land Code, 1958 (Cap. 81) Notification in Sarawak Government Gazette All Adats codified under the Native Customs (Declaration) Ordinance, 1996, and any other Adats 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
	3.1.2 Management of such lands is controlled by indigenous people unless they delegate control with free and informed consent to other agencies.	<u>Peninsular Malaysia/Sabah/Sarawak</u> <ul style="list-style-type: none"> Records of delegation of power by indigenous people, if any

FSC Principles & Criteria	Indicators	Verifiers
	<p>3.1.3 Availability of appropriate mechanisms to resolve any conflicts and grievances between parties involved.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • Mechanism established to resolve any conflicts and grievances between parties involved • Records of resolutions, if any <p><u>Sabah</u></p> <ul style="list-style-type: none"> • Land Ordinance, 1930 (Sabah Cap. 68) • Native Court Enactment, 1992 • Native Court (Native Customary Laws) Rules, 1995 • All Adats recognised and enforceable by the Native Courts, including relevant decisions of the Civil Courts <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • Direct negotiations or arbitration • Native Courts • Civil Courts
<p>3.2 Forest management shall not threaten or diminish, either directly or indirectly, the resources or tenure rights of indigenous peoples.</p>	<p>3.2.1 Forest management practices in indigenous people's lands recognized within relevant national and regional legal frameworks should not threaten or diminish, either directly or indirectly, their resources or tenure rights.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • Forest management practices should not threaten or diminish, either directly or indirectly, the resources or tenure rights of indigenous peoples as provided for under the Aboriginal Peoples Act, 1954 <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 • State Cultural Heritage (Conservation) Enactment, 1997 • Native Court Enactment, 1992 • All Adats recognised and enforceable by the Native Courts, including relevant decisions of the Civil Courts • Forest Management Plan <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • Compliance with the Forest Timber Licence • Recognition of tenure and resource-based rights under established laws • Compliance with the Forest Management Plan

FSC Principles & Criteria	Indicators	Verifiers
<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 recognized 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 people within relevant national and state legal frameworks or by mutual agreement.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> List and maps depicting locations of important cultural, ecological, economic or religious sites in the area to be certified Records of dialogue and consultation held <p><u>Sabah</u></p> <ul style="list-style-type: none"> State Cultural Heritage (Conservation) Enactment, 1997 Forest Management Plan List and maps depicting locations of important cultural, ecological, economic or religious sites in the area to be certified Records of consultation with Council of Native Elders <p><u>Sarawak</u></p> <ul style="list-style-type: none"> Records of consultation with local communities and/or relevant agencies List and maps depicting locations of important cultural, ecological, economic or religious sites in the area to be certified Forest Management Plan Notification in Sarawak Government Gazette, if any Forest Ordinance, 1954 (Cap. 126) - Part II (Forest Reserves), Part III (Protected Forests) and Part IV (Communal Forests)
	<p>3.3.2 Availability of appropriate mechanisms for conflict resolution.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> Dialogue and consultation Civil Courts <p><u>Sabah/Sarawak</u></p> <ul style="list-style-type: none"> Arbitration Native Courts Civil Courts

FSC Principles & Criteria	Indicators	Verifiers
<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 people in the use of forest species or management systems in forest operations.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> Records of any traditional forest-related knowledge and practices of indigenous people in forest operations, if any <p><u>Sabah</u></p> <ul style="list-style-type: none"> Records of any traditional forest-related knowledge related to forest management Records of consultation with indigenous peoples Biodiversity Enactment, 2000 <p><u>Sarawak</u></p> <ul style="list-style-type: none"> Records of any traditional forest-related knowledge related to forest management 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>Peninsular Malaysia/Sarawak</u></p> <ul style="list-style-type: none"> Mechanisms established and records of compensation for the commercial utilization of traditional forest-related knowledge and practices of indigenous people <p><u>Sabah</u></p> <ul style="list-style-type: none"> Records of appropriate mechanisms and compensation for the commercial utilization of traditional forest-related knowledge and practices of indigenous people, if any Records of consultation with Native Fund Trustees Community Forestry Committee

FSC Principles & Criteria	Indicators	Verifiers
Principle #4: Community Relations and Worker's Rights Forest management operations shall maintain or enhance the long-term social and economic well-being of forest workers and local communities.		
4.1 The communities within, or adjacent to, the forest management area should be given opportunities for employment, training, and other services.	4.1.1 Forest managers provide, where appropriate, support for training, retraining, local infrastructure, facilities and social programs commensurate with the scale and intensity of forest management operations.	<u>Peninsular Malaysia/Sarawak</u> <ul style="list-style-type: none"> Records of training, retraining, local infrastructure, facilities and social programs provided, if any <u>Sabah</u> <ul style="list-style-type: none"> Sustainable Forest Management Licence Agreement Long Term Timber Licence Agreement Forest Management Plan Community Forestry Committee Records of training, retraining, local infrastructure, facilities and social programs provided, if any
	4.1.2 Qualified people in communities living within, or adjacent to, the PRFs for Peninsular Malaysia and forest management areas for Sabah and Sarawak are given preference for employment and contract works.	<u>Peninsular Malaysia/Sabah/Sarawak</u> <ul style="list-style-type: none"> Employment records Training records Contract records

FSC Principles & Criteria	Indicators	Verifiers
4.2 Forest management should 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 health and safety of forest workers should be disseminated to them.	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • Occupational Safety and Health Act, 1994 • Employees' Social Security Act, 1969 • Workmen's Compensation Act, 1952 • Records of dissemination of health and safety information <p><u>Sabah</u></p> <ul style="list-style-type: none"> • Circulars on laws and regulations covering health and safety of forest workers • Occupational Safety and Health Act, 1994 • Labour Ordinance (Sabah) Cap 67 • Employees' Social Security Act, 1969 • Workmen's Compensation Act, 1952 <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • Occupational Safety and Health Act, 1994 and regulations made thereunder • Labour Ordinance, 1952 (Sarawak Cap. 76) • Employees' Social Security Act, 1969 • Employees' Social Security (General) Regulations, 1971 • Forests Ordinance, 1954 (Cap. 126) – Section 54A • Records of dissemination of health and safety information
	4.2.2 Availability of management policies addressing the health and safety of forest workers and their families in accordance with current legislation and/or regulations.	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • Management Policy on Health and Safety of forest workers • Establishment of Health and Safety Committees in accordance with Occupational Health and Safety Act, 1994 <p><u>Sabah</u></p> <ul style="list-style-type: none"> • Forest Management Plan • Statement of Policy • Sustainable Forest Management Licence Agreement • Long Term Timber Licence Agreement <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • Forest Management Plan • Establishment of Health and Safety Committees in accordance with Occupational Health and Safety Act, 1994

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	<p>4.2.3 Appropriate safety and operational equipment in good working condition, including operational procedures, should be made available to forest workers in the work place.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> Records of equipment and maintenance Forest workers are aware of operational procedures in the work place Minutes of Safety and Health Committee meetings as required under the Occupational Safety and Health Act, 1994 <p><u>Sabah</u></p> <ul style="list-style-type: none"> Records of equipment, maintenance and frequency of check-up Operational procedures made available to forest workers in the work place <p><u>Sarawak</u></p> <ul style="list-style-type: none"> Records of equipment and maintenance Forest workers are aware of operational procedures in the work place
	<p>4.2.4 Forest managers should maintain up-to-date safety records in compliance with all applicable laws and/or regulations covering health and safety of forest workers.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> Minutes of Departmental Joint Council (<i>Majlis Bersama Jabatan</i>) meetings covering forest workers Health and safety records of forest workers <p><u>Sabah</u></p> <ul style="list-style-type: none"> Health and safety records of forest workers <p><u>Sarawak</u></p> <ul style="list-style-type: none"> Health and safety records of forest workers Minutes of Health and Safety Committee meetings
	<p>4.2.5 Demarcation of hazardous areas and provision of guidelines for storage and handling of hazardous materials.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> Signage demarcating hazardous areas, if any Guidelines for storage and handling of hazardous materials, if any <p><u>Sabah/Sarawak</u></p> <ul style="list-style-type: none"> Signage demarcating hazardous areas, if any Guidelines for storage and handling of hazardous materials, if any Environmental Quality Act, 1974 and associated Regulations

FSC Principles & Criteria	Indicators	Verifiers
<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 workers to freely organize into Union of their own choice in accordance with ILO Convention No. 87.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • ILO Convention No. 87 – The Freedom of Association and Protection of the Right to Organise Convention, 1948 - Articles 2, 3, 5 and 11 • Industrial Relations Act, 1967 • Employment Act, 1955 • Federal Constitution – Article 10 <p><u>Sabah</u></p> <ul style="list-style-type: none"> • Labour Ordinance (Sabah) Cap 67 • Trade Unions Act, 1959 (Act 262) • ILO Convention No. 87 – The Freedom of Association and Protection of the Right to Organise Convention, 1948 - Articles 2, 3, 5 and 11 • Federal Constitution – Article 10 • Industrial Relations Act, 1967 <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • Labour Ordinance, 1952 (Sarawak Cap. 76) • Federal Constitution – Article 10 • Industrial Relations Act, 1967 • Trade Unions Act, 1959 (Act 262) • ILO Convention No. 87 – The Freedom of Association and Protection of the Right to Organise Convention, 1948 – Articles 2, 3, 5 and 11
	<p>4.3.2 Provisions for workers the right to organize and undertake collective bargaining leading to agreements in accordance with ILO Convention No. 98 – The Right to Organise and Collective Bargaining Convention, 1949 - Articles 1 and 2, ILO Convention No. 111 – Discrimination (Employment and Occupation), 1958 - The Right to Equal Treatment, ILO Convention No. 100 – Equal Remuneration, 1951 - The Right to Equal Pay.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • Industrial Relations Act, 1967 (Sections 4 & 13) • Employment Act, 1955 • Trade Unions Act, 1959 (Act 262) <p><u>Sabah</u></p> <ul style="list-style-type: none"> • Labour Ordinance (Sabah) Cap 67 <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • ILO Convention No. 98 – The Right to Organise and Collective Bargaining Convention, 1949 - Articles 1 and 2 • ILO Convention No. 111 – Discrimination (Employment and Occupation) Convention, 1958 - The Right to Equal Treatment • ILO Convention No. 100 – Equal Remuneration Convention, 1951 - The Right to Equal Pay

FSC Principles & Criteria	Indicators	Verifiers
	4.3.3 Availability of appropriate procedures to address grievances raised by workers and/or their organizations and for conflict resolution.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> National Joint Council and Departmental Joint Council Industrial Relations Act, 1967 (Sections 18,19,19A,19B, 21-33A, 34-37) Records of fora for participation to resolve grievances, if any <u>Sabah</u> <ul style="list-style-type: none"> Labour Ordinance (Sabah) Cap 67 Industrial Relations Act, 1967 <u>Sarawak</u> <ul style="list-style-type: none"> Industrial Relations Act, 1967 Records of fora for participation to resolve grievances, if any
4.4 Management planning and operations shall incorporate the results of evaluations of social impact. Consultations shall be maintained with people and groups directly affected by management operations.	4.4.1 Forest managers should evaluate, through consultations, social impact of forest operations directly affecting communities, and the people and groups directly affected by the forest operations should have access to information on the results of the social impact evaluations.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> Minutes of meetings of the District Action/Development Committee [<i>Jawatankuasa Tindakan/Pembangunan Daerah</i>] Records of meetings and/or consultations between forest managers with communities affected <u>Sabah</u> <ul style="list-style-type: none"> EIA compliance report Social Baseline Studies / Impact Assessment Records of meetings and/or consultations between forest managers with communities affected <u>Sarawak</u> <ul style="list-style-type: none"> Records of meetings with local communities Social baseline study report
	4.4.2 Forest planning and management practices should consider and incorporate the results of such evaluations.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> Records of action, if any <u>Sabah</u> <ul style="list-style-type: none"> Sustainable Forest Management Licence Agreement Long Term Timber Licence Agreement Forest Management Plan <u>Sarawak</u> <ul style="list-style-type: none"> Forest Management Plan

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<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 national and regional legal frameworks should be taken to prevent loss or damage affecting the local people's legal or customary rights, property, resources, or their livelihoods.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • Federal Constitution • Records of meetings and/or consultations between forest managers with communities <p><u>Sabah</u></p> <ul style="list-style-type: none"> • Federal Constitution • Sabah State Constitution • Forest Enactment, 1968 • Long Term Timber Licence Agreement • Sustainable Forest Management Licence Agreement • Native Court Enactment, 1992 • Land Ordinance, 1930 (Sabah Cap. 68) • Interpretation of the Native Ordinance, 1952 • Human Rights Commission of Malaysia Act, 1999 • All Adats recognised and enforceable by the Native Courts, including relevant decisions of the Civil Courts <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • Land Code, 1958 (Cap. 81) • Human Rights Commission of Malaysia Act, 1999 • All Adats codified under the Native Customs (Declaration) Ordinance, 1996, and any other Adats 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 • Forest Management Plan

FSC Principles & Criteria	Indicators	Verifiers
	<p>4.5.2 Appropriate mechanisms within relevant national and regional 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 operations.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • Records of arbitration • Records of judgements by Courts of Law <p><u>Sabah</u></p> <ul style="list-style-type: none"> • Forest Enactment, 1968 • Long Term Timber Licence Agreement • Sustainable Forest Management Licence Agreement • Native Court Enactment, 1992 • Community Forestry Committee • Land Ordinance, 1930 (Sabah Cap. 68) • Human Rights Commission of Malaysia Act, 1999 • Interpretation of Native Ordinance, 1952 • All Adats recognised and enforceable by the Native Courts, including relevant decisions of the Civil Courts <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • Records of direct negotiation • Records of arbitration • Records of judgements by Courts of Law

FSC Principles & Criteria	Indicators	Verifiers
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.		
5.1 Forest management should 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.	5.1.1 Records of investments and reinvestments made in forest management, including administration, research, human resource development, environmental and social costs in the PRFs for Peninsular Malaysia and forest management areas for Sabah and Sarawak such as protection of biodiversity, environmental mitigation, monitoring and governance including business or development plan, cost benefit analysis, compensation and forgone revenue.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> 5 Year Development Plan Budget Annual operating and development budget including from federal and other sources <u>Sabah</u> <ul style="list-style-type: none"> Annual Work Plan (AWP) Compartment Record Book Quarterly Progress Reports Annual Report Compliance Report to the Annual Work Plan and the Sustainable Forest Management Licence Agreement <u>Sarawak</u> <ul style="list-style-type: none"> Annual budget and expenditure for forest management area
	5.1.2 Provisions and management are made to maintain, restore or enhance the productive capacity and ecological integrity of the PRFs for Peninsular Malaysia and forest management areas for Sabah and Sarawak to ensure its economic viability.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> Forest Management Plan which includes prescriptions for reduced impact logging, rehabilitation, wildlife management, forest biodiversity conservation, and environmental mitigation. Results of Pre-felling and Post-felling Forest Inventories Records of enrichment planting Records of planting of rattan, forest fruit trees etc. <u>Sabah</u> <ul style="list-style-type: none"> Long Term Timber Licence Agreement Sustainable Forest Management Licence Agreement Forest Management Plan Annual Work Plan <u>Sarawak</u> <ul style="list-style-type: none"> Reduction of royalty rate for logs extracted by helicopter (DF Circular No. 2/1998) Guidelines/Procedures on Reduced and Low Impact Harvesting Systems, 1999 The Manual of Silviculture for the Permanent Forest Estate of Sarawak, 1999 A Master Plan for Wildlife in Sarawak, 1996 Forest Management Plan

FSC Principles & Criteria	Indicators	Verifiers
5.2 Forest management and marketing operations should encourage the optimal use and local processing of the forest's diversity of products.	5.2.1 Application of forest management practices to encourage the optimal use of forest resources.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> • Forest resource inventories • Non-timber forest products licensing • List of timber and non-timber forest products extracted <u>Sabah</u> <ul style="list-style-type: none"> • Gazetted Royalty Structure and Rates • Reduced Impact Logging (RIL) • Biodiversity Enactment, 2000 <u>Sarawak</u> <ul style="list-style-type: none"> • Guidelines/Procedures on Reduced and Low Impact Harvesting Systems, 1999 • Instructions for the Inspection of Logging Areas, 1982
	5.2.2 Application of marketing operations to encourage local processing and diversifying the mix of commercial products derived from the forest.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> • List of licences of forest products industries (major and minor forest products) <u>Sabah</u> <ul style="list-style-type: none"> • Gazetted Royalty Structure and Rates <u>Sarawak</u> <ul style="list-style-type: none"> • Records of local log reservation quota
5.3 Forest management should minimize waste associated with harvesting and on-site processing operations and avoid damage to other forest resources.	5.3.1 Availability and implementation of guidelines for reduced/low impact logging to minimize damage to residual stand.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> • Guidelines for Reduced Impact Logging in Peninsular Malaysia, 2003 <u>Sabah</u> <ul style="list-style-type: none"> • RIL Operation Guide Book Specifically for Crawler Tractor Use, 2001 • Cable logging techniques • Reference Manual for Timber Harvesting Operations in Commercial Class II Forest Reserves in Sabah, 1996 <u>Sarawak</u> <ul style="list-style-type: none"> • Guidelines/Procedures on Reduced and Low Impact Harvesting Systems, 1999 • Basic Chainsaw Maintenance and Directional Tree Felling 2001

FSC Principles & Criteria	Indicators	Verifiers
	5.3.2 Application of log extraction operations that minimize product wastage, degrade and foregone revenue opportunities.	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> Provisions for the utilisation of harvesting residue <p><u>Sabah</u></p> <ul style="list-style-type: none"> RIL Operation Guide Book Specifically for Crawler Tractor Use, 2001 Cable logging techniques Reference Manual for Timber Harvesting Operations in Commercial Class II Forest Reserves in Sabah, 1996 <p><u>Sarawak</u></p> <ul style="list-style-type: none"> Guidelines/Procedures on Reduced and Low Impact Harvesting Systems, 1999
5.4 Forest management should strive to strengthen and diversify the local economy, avoiding dependence on a single forest product.	5.4.1 Application of forest management strategy that encourages the production of a mix of commercial forest products, including the utilization of non-timber forest products, particularly by local community enterprises.	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> Diversification strategy Data on quantity of timber and non-timber forest products harvested within the PRFs and other forested areas during the last five years <p><u>Sarawak</u></p> <ul style="list-style-type: none"> Permits issued for non-timber forest products, if any Data on the quantity of timber and non-timber forest products harvested within the forest management area, if any

FSC Principles & Criteria	Indicators	Verifiers
<p>5.5 Forest management operations shall recognize, maintain, and, where appropriate, enhance the value of forest services and resources such as watersheds and fisheries.</p>	<p>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.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • Areas in the PRFs with elevation greater than or equal to 1,000 m where felling of trees is prohibited • Areas in the PRFs with elevation less than 1,000 m but having slope generally greater than or equal to 40° where felling of trees is prohibited • Trees equal to and those above cutting limits for environmentally sensitive spots within the Production Forest of the PRFs marked and protected • Areas in the PRFs identified and classified as soil protection forest, soil reclamation forest, water catchment forest and flood control forest are mapped • Areas identified with elevation greater than or equal to 1,000 m, with elevation less than 1,000 m but having slope generally greater than or equal to 40° and classified as sensitive areas are mapped. <p><u>Sabah</u></p> <ul style="list-style-type: none"> • Guidelines on forest management planning • Comprehensive harvesting plan • RIL Operation Guide Book Specifically for Crawler Tractor Use, 2001 • Environmental Impact Assessment (EIA) Guidelines for Logging and Forest Clearance Activities, 2002 <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • Procedures for Identifying and Demarcating Sensitive Areas for the Protection of Soil and Water, 1999

FSC Principles & Criteria	Indicators	Verifiers
	<p>5.5.2 Availability and implementation of management guidelines, where appropriate, to maintain and/or enhance the value of forest services and resources.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • Forest management plan, with prescriptions to maintain and/or enhance the value of forest services and resources where appropriate is implemented <p><u>Sabah</u></p> <ul style="list-style-type: none"> • Comprehensive Harvesting Plan • Annual Work Plan • Water Resources Enactment, 1998 <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • Guidelines/Procedures on Reduced and Low Impact Harvesting Systems, 1999 • The Manual of Silviculture for the Permanent Forest Estate of Sarawak, 1999 • Guidelines for Forest Road Layout and Construction, 1999
<p>5.6 The rate of harvest of forest products shall not exceed levels which can be permanently sustained.</p>	<p>5.6.1 Rate of harvest shall not be greater than estimated regrowth of the residual stand based on permanent sample plots within a pre-defined cutting cycle.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • Annual coupe is calculated based on Net Harvestable Production Area divided by Cutting Cycle Length (ha/yr) • Annual volume removed be less than or equal to Mean Commercial Annual Increment (m³/ha/yr) for regulated forests <p><u>Sabah</u></p> <ul style="list-style-type: none"> • Forest Management Plan • Annual Work Plan • Compartment Record Book • Analysis of Permanent Sample Plots (PSP) Data <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • Records and analysis of Permanent Sample Plot data • Forest Management Plan • Production records

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	5.6.2 Records of quantity of timber and important non-timber forest products harvested should be maintained, taking cognizance of their sustainability in the long term.	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> Records of timber and non-timber forest products and quantity harvested under licence <p><u>Sabah</u></p> <ul style="list-style-type: none"> Compliance Reports Compartment Record Book Quarterly Progress Reports Daily felling record <p><u>Sarawak</u></p> <ul style="list-style-type: none"> Data on the quantity of timber and non-timber forest products harvested within the forest management area

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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.		
6.1 Assessment of environmental impacts shall be completed – appropriate to the scale, intensity of forest management and the uniqueness of the affected resources – and adequately integrate 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.	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 management, prior to commencement of forest operations in the PRFs for Peninsular Malaysia and forest management areas for Sabah and Sarawak.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> Environmental impact assessment should be conducted in the PRFs in accordance with the Environmental Quality Act 1974, taking into consideration the following: conservation of biological diversity and its associated values, water resources, soils and unique and fragile ecosystems and landscapes, as well as the impacts of on-site processing facilities, if present. <u>Sabah</u> <ul style="list-style-type: none"> Forest Management Plan incorporating assessment of environmental impacts Environmental Impact Assessment (EIA) Guidelines for Logging and Forest Clearance Activities, 2002 Environment Impact Assessment (EIA) reports <u>Sarawak</u> <ul style="list-style-type: none"> Forest Management Plan
	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 the PRFs for Peninsular Malaysia and forest management areas for Sabah and Sarawak, appropriate to the scale and intensity of forest management.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> Environmental impact assessment should be conducted in the PRFs in accordance with the Environmental Quality Act 1974, taking into consideration the following: endangered, rare and threatened species of flora and fauna, and the need for biological corridors. <u>Sabah</u> <ul style="list-style-type: none"> Forest Management Plan incorporating assessment of environmental impacts Environment Impact Assessment (EIA) reports <u>Sarawak</u> <ul style="list-style-type: none"> Forest Management Plan

FSC Principles & Criteria	Indicators	Verifiers
	<p>6.1.3 Forest management plans should incorporate measures to mitigate the environmental impacts identified in the assessments.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • Forest management plan with mitigation measures for all impacts identified in the environmental impact assessment. <p><u>Sabah</u></p> <ul style="list-style-type: none"> • Environment Impact Assessment (EIA) reports • Forest Management Plan incorporating mitigation measures • Comprehensive Harvesting Plan <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • Forest Management Plan

FSC Principles & Criteria	Indicators	Verifiers
<p>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 collection shall be controlled.</p>	<p>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 the PRFs for Peninsular Malaysia and forest management areas for Sabah and Sarawak.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • <i>Garis Panduan Kriteria Pemilihan dan Prosedur Penandaan Pokok Ibu, 1997</i> [Guidelines on Criteria for the Selection and Procedures for Marking Mother Trees, 1997] • <i>Manual Perhutanan Semenanjung Malaysia, 1953 (pindaan 1995)</i> [Forestry Manual Peninsular Malaysia, 1953 (revised 1995)] • Director General of Forestry's Circulars • Minimum cutting limit for <i>Neobalanocarpus heimii</i> (chengal) be equal to or greater than 60 cm dbh • Endangered, rare and threatened tree species marked and felling is prohibited, if present • Schedules to the Protection of Wildlife Act, 1972 • List of endangered, rare and threatened species of flora and fauna, including features of special biological interest such as seed trees, nesting and feeding areas in the PRFs. • Endangered, rare and threatened forest flora and fauna species protected, if present. <p><u>Sabah</u></p> <ul style="list-style-type: none"> • Forest Management Plan • Sustainable Forest Management Licence Agreement • Wildlife Conservation Enactment, 1997 • Biodiversity Enactment, 2000 • Environmental Impact Assessment (EIA) Guidelines for Logging and Forest Clearance Activities, 2002 <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • Forest Management Plan • Wild Life Protection Ordinance, 1998 (Cap. 26) (First and Second Schedules) • The Forest Rules, 1962 (Second Schedule) • A Master Plan for Wildlife in Sarawak, 1996.

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	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 management.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> Manual Perhutanan Semenanjung Malaysia, 1953 (pindaan 1995) [Forestry Manual Peninsular Malaysia, 1953 (revised 1995)] Buffer strips for permanent streams and rivers in Inland Forest and Peat Swamp Forest of at least 5 m in width on either side of the stream or river, are marked and felling of trees is prohibited Guidelines for the establishment of permanent reserved forests Panduan Penubuhan dan Penyelenggaraan Kawasan-kawasan Simpanan Hutan Dara, 1987 [Guidelines for the Establishment and Maintenance of Virgin Jungle Reserves, 1987] VJR size of at least 150 ha as of 1987 with buffer strip of 20 m width State parks, where relevant Wildlife sanctuaries and game reserves, where relevant Seed Production Areas <u>Sabah</u> <ul style="list-style-type: none"> Forest Management Plan Wildlife Conservation Enactment, 1997 Biodiversity Enactment, 2000 Environmental Impact Assessment (EIA) Guidelines for Logging and Forest Clearance Activities, 2002 Comprehensive Harvesting Plan <u>Sarawak</u> <ul style="list-style-type: none"> A Master Plan for Wildlife in Sarawak, 1996 Forest Management Plan
	6.2.3 Existence of cooperation between forest managers, and conservation organizations and regulatory authorities in implementing conservation and management activities.	<u>Peninsular Malaysia/Sabah/Sarawak</u> <ul style="list-style-type: none"> Records of meetings or collaboration Collaborative projects, if any

FSC Principles & Criteria	Indicators	Verifiers
	<p>6.2.4 Hunting, fishing and collecting activities should be controlled and inappropriate activities prevented in the PRFs for Peninsular Malaysia and forest management areas for Sabah and Sarawak.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> Records of licence for hunting, fishing and collecting forest products Measures to prevent inappropriate hunting, fishing, trapping and collection such as periodical patrolling of forest areas, signage, closure of access to forest area <p><u>Sabah</u></p> <ul style="list-style-type: none"> Wildlife Conservation Enactment, 1997 Sustainable Forest Management Licence Agreement Forest Management Plan Timber Licence Agreement Native customs for river resource management Biodiversity Enactment, 2000 <p><u>Sarawak</u></p> <ul style="list-style-type: none"> Appointment of Honorary Wildlife Rangers Circular No. DF 6/99 – Conservator of Wildlife in Forest Timber Licence Areas Forest Management Plan Wildlife Protection Ordinance, 1998 Measures to prevent inappropriate hunting, fishing and collection activities such as patrolling of forest areas, signages, closure of access to forest area
	<p>6.2.5 Forest workers shall be aware of endangered, rare and threatened species of forest flora and fauna found in the PRFs for Peninsular Malaysia and forest management areas for Sabah and Sarawak. Such awareness shall be promoted among local communities.</p>	<p><u>Peninsular Malaysia/Sarawak</u></p> <ul style="list-style-type: none"> Records of awareness activities such as briefings and posters <p><u>Sabah</u></p> <ul style="list-style-type: none"> Records of awareness activities such as briefings and posters and publications

FSC Principles & Criteria	Indicators	Verifiers
<p>6.3 Ecological functions and values shall be maintained intact, enhanced, or restored, including:-</p> <ul style="list-style-type: none"> a) Forest regeneration and succession. b) Genetic, species and ecosystem diversity. c) Natural cycles that affect the productivity of the forest ecosystem. 	<p>6.3.1 Availability and implementation of management guidelines to assess post-harvest natural regeneration, and measures to supplement natural regeneration, where necessary, in the PRFs for Peninsular Malaysia and forest management areas for Sabah and Sarawak.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • <i>Panduan Kerja Luar Inventori Hutan Selepas Tebangan</i> [Field Manual on Post-felling Forest Inventory] • <i>Manual Kerja Luar Sistem Pengurusan Memilih (Selective Management System - SMS), Bab 10 – Kaedah Penilaian/Pemeriksaan Ke Atas Aktiviti-Aktiviti Pemulihan Hutan Selepas Tebangan</i> [Field Manual of Selective Management System (SMS), Chapter 10 – Assessment Procedures for Post-felling Rehabilitation Activities] • Handbook on Enrichment Planting, 1978 • <i>Panduan Aktiviti Tanaman Mengaya (Pekeliling KPPSM Bil. 2/96) [Bab 9, Manual Kerja Luar Sistem Pengurusan Memilih (Selective Management System), JPSM, 1997]</i>[Guidelines on Enrichment Planting Activities] • Results of the post-felling inventories • Records of silvicultural treatments • Analysis of change of forest stand/species composition in relation to the pre-felling inventories <p><u>Sabah</u></p> <ul style="list-style-type: none"> • Pre-harvest Inventory • Closing Inspection Report • Records of Silvicultural Treatments • Permanent Sample Plot Records <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • Instruction for the Inspection of Logging Areas, 1982 • The Manual of Silviculture for the Permanent Forest Estate of Sarawak, 1999

FSC Principles & Criteria	Indicators	Verifiers
	6.3.2 Availability and implementation of guidelines for the conservation of genetic, species and ecosystem diversity in the FMU.	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> Wildlife sanctuaries and game reserves, National Parks and State Parks where relevant <i>Panduan Penubuhan dan Penyelenggaraan Kawasan-kawasan Simpanan Hutan Dara, 1987</i> [Guidelines for the Establishment and Maintenance of Virgin Jungle Reserves, 1987] <i>Manual Perhutanan Semenanjung Malaysia, 1953 (pindaan 1995)</i> [Forestry Manual Peninsular Malaysia, 1953 (revised 1995)] Minimum cutting limit for <i>Neobalanocarpus heimii</i> (chengal) be equal to or greater than 60 cm dbh Seed Production Areas <i>Garis Panduan Kriteria Pemilihan dan Prosedur Penandaan Pokok Ibu</i> (1997) [Guidelines on Criteria for the Selection and Procedures for Marking Mother Trees, 1997] <p><u>Sabah</u></p> <ul style="list-style-type: none"> Forest Management Plan Comprehensive Harvesting Plan Wildlife Conservation Enactment, 1997 Biodiversity Enactment, 2000 <p><u>Sarawak</u></p> <ul style="list-style-type: none"> Forest Management Plan A Master Plan for Wildlife in Sarawak, 1996 Wild Life Protection Ordinance, 1998 (Cap. 26) National Policy on Biological Diversity, 1998
	6.3.3 Harvesting is designed taking into consideration the need for biological corridors and buffer zones for wildlife.	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> Forest Management Plan Forest Harvesting Plan appropriate to the scale and intensity of forest harvesting <p><u>Sabah</u></p> <ul style="list-style-type: none"> Forest Management Plan Comprehensive Harvesting Plan Annual Work Plan <p><u>Sarawak</u></p> <ul style="list-style-type: none"> Forest Management Plan Detailed Harvesting Plan

FSC Principles & Criteria	Indicators	Verifiers
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 management operations, identified and selected under 6.2.2, are demarcated and protected in their natural state.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> Records and maps of such areas <i>Panduan Penubuhan dan Penyelenggaraan Kawasan-kawasan Simpanan Hutan Dara, 1987</i> [Guidelines for the Establishment and Maintenance of Virgin Jungle Reserves, 1987] <u>Sabah</u> <ul style="list-style-type: none"> Forest Management Plan Comprehensive Harvesting Plan Annual Work Plan <u>Sarawak</u> <ul style="list-style-type: none"> Forest Management Plan Detailed Harvesting Plan
	6.4.2 Implementation of appropriate protection and management activities for these areas.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> Management prescriptions for the protection and management activities of VJRs Records of implementation <u>Sabah</u> <ul style="list-style-type: none"> Forest Management Plan Comprehensive Harvesting Plan Annual Work Plan Boundary demarcation <u>Sarawak</u> <ul style="list-style-type: none"> Forest Management Plan Detailed Harvesting Plan

FSC Principles & Criteria	Indicators	Verifiers
6.5 Written 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 and implementation of harvesting procedures to protect the soil from compaction by harvesting machinery and erosion during harvesting operations.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> • <i>Spesifikasi Jalan Hutan (Jalan Tuju dan Lorong Penarik) untuk Semenanjung Malaysia, 1999</i> [Forest Road Specification (Feeder Road and Skid Trails) for Peninsular Malaysia, 1999] • Guidelines for Reduced Impact Logging in Peninsular Malaysia, 2003 <u>Sabah</u> <ul style="list-style-type: none"> • Forest Management Plan • Comprehensive Harvesting Plan • RIL Operation Guide Book Specifically for Crawler Tractor Use, 2001 <u>Sarawak</u> <ul style="list-style-type: none"> • Forest Management Plan • Guidelines/Procedures on Reduced and Low Impact Harvesting Systems, 1999
	6.5.2 Implementation of reduced/low impact logging to minimize damage to the environment.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> • Guidelines for Reduced Impact Logging in Peninsular Malaysia, 2003 <u>Sabah</u> <ul style="list-style-type: none"> • RIL Operation Guide Book Specifically for Crawler Tractor Use, 2001 • Comprehensive Harvesting Plan <u>Sarawak</u> <ul style="list-style-type: none"> • Guidelines/Procedures on Reduced and Low Impact Harvesting Systems, 1999

FSC Principles & Criteria	Indicators	Verifiers
	<p>6.5.3 Availability and implementation of guidelines for forest road lay-out and construction, including log landings and drainage requirements.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • <i>Spesifikasi Jalan Hutan (Jalan Tuju dan Lorong Penarik) untuk Semenanjung Malaysia, 1999</i> [Forest Road Specification (Feeder Road and Skid Trails) for Peninsular Malaysia, 1999] • Guidelines for Reduced Impact Logging in Peninsular Malaysia, 2003 <p><u>Sabah</u></p> <ul style="list-style-type: none"> • RIL Operation Guide Book Specifically for Crawler Tractor Use, 2001 • Forest Management Plan • Comprehensive Harvesting Plan <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • Guidelines for Forest Road Layout and Construction, 1999
	<p>6.5.4 Availability and implementation of guidelines for conservation of buffer strips along streams and rivers.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • <i>Spesifikasi Jalan Hutan (Jalan Tuju dan Lorong Penarik) untuk Semenanjung Malaysia, 1999</i> [Forest Road Specification (Feeder Road and Skid Trails) for Peninsular Malaysia, 1999] • Guidelines for Reduced Impact Logging in Peninsular Malaysia, 2003 <p><u>Sabah</u></p> <ul style="list-style-type: none"> • RIL Operation Guide Book Specifically for Crawler Tractor Use, 2001 • Forest Management Plan • Comprehensive Harvesting Plan <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • Procedures for Identifying and Demarcating Sensitive Areas for the Protection of Soil and Water, 1999 • Guidelines for Forest Road Layout and Construction, 1999

FSC Principles & Criteria	Indicators	Verifiers
<p>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.</p>	<p>6.6.1 Availability and implementation of guidelines and/or procedures on the use of chemicals in the forest approved by relevant regulatory authorities.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • <i>Peraturan Menggelang Pokok dan Memotong Akar/ Papanjat (GCL) (Pekeliling KPPSM Bil. 1/96) [Bab 8, Manual Kerja Luar Sistem Pengurusan Memilih (Selective Management System), JPSM, 1997] [Procedures for Tree Girdling and Cutting of Lianas/Climbers (GCL)]</i> • The use of chemicals should follow all rules and regulations stipulated in the above Verifier <p><u>Sabah</u></p> <ul style="list-style-type: none"> • Sustainable Forest Management Licence Agreement • Pesticides Act, 1974 • Pesticides (Labelling) Regulations, 1984 • Occupational Safety and Health (Classification, Packaging and Labelling) Regulations, 1997 • Occupational Safety and Health (Use and Standard of Exposure of Chemicals Hazardous to Health) Regulations, 2000 <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • Pesticides Act, 1974 • Pesticides (Labelling) Regulations, 1984 • Occupational Safety and Health (Classification, Packaging and Labelling of Hazardous Chemicals) Regulations, 1997 • Occupational Safety and Health (Use and Standard of Exposure of Chemicals Hazardous to Health) Regulations, 2000
	<p>6.6.2 Forest workers should be aware of the procedures on the use of approved chemicals in the forest.</p>	<p><u>Peninsular Malaysia/Sarawak</u></p> <ul style="list-style-type: none"> • Training records <p><u>Sabah</u></p> <ul style="list-style-type: none"> • Safe Operating Procedures • Training Records

FSC Principles & Criteria	Indicators	Verifiers
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 Non-organic wastes such as oil, tyres, containers etc should be recycled, where possible.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> Develop policies on re-cycling of non-organic waste to licensees/contractors where appropriate <u>Sabah</u> <ul style="list-style-type: none"> Environmental Quality Act, 1974 <u>Sarawak</u> <ul style="list-style-type: none"> Written instructions on re-cycling of non-organic waste
	6.7.2 Containers, liquid and solid non-organic wastes including fuel and oil should be disposed of in an environmentally appropriate and legal manner.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> Disposal of containers, liquid and solid non-organic wastes including fuel and oil in an environmentally appropriate and legal manner Environmental Quality Act, 1974 <u>Sabah</u> <ul style="list-style-type: none"> Environmental Quality Act, 1974 <u>Sarawak</u> <ul style="list-style-type: none"> Disposal of containers, liquid and solid non-organic wastes including fuel and oil in an environmentally appropriate and legal manner Environmental Quality Act, 1974 and regulations thereunder
6.8 Use of biological control agents shall be documented, minimized, monitored and strictly controlled in accordance with national laws and internationally accepted scientific protocols. Use of genetically modified organisms shall be prohibited.	6.8.1 Documentation, monitoring and control of biological control agents in accordance with relevant national and regional laws, and internationally accepted protocols, if such agents are used.	<u>Peninsular Malaysia/Sabah/Sarawak</u> <ul style="list-style-type: none"> Documentation and monitoring records of use of biological control agents, if applied

FSC Principles & Criteria	Indicators	Verifiers
6.9 The use of exotic species shall be carefully controlled and actively monitored to avoid adverse ecological impacts.	6.9.1 Evaluation of potential ecological impacts of exotic plant and animal species, if such species are to be used.	<u>Peninsular Malaysia/Sarawak</u> <ul style="list-style-type: none"> List of exotic plant and animal species used, if any Evaluation report of potential ecological impacts if such species are used <u>Sabah</u> <ul style="list-style-type: none"> Wildlife Conservation Enactment, 1997
	6.9.2 Documentation, monitoring and control of exotic plant and animal species, if such species are used.	<u>Peninsular Malaysia/Sarawak</u> <ul style="list-style-type: none"> Records of monitoring and control of exotic plant and animal species, if any <u>Sabah</u> <ul style="list-style-type: none"> Forest Management Plan Planting and monitoring records
6.10 Forest conversion to plantations or non-forest land uses shall not occur, except in circumstances where conversion:- a) entails a very limited portion of the forest management unit; and b) does not occur on high conservation value forest areas; and c) will enable clear, substantial, additional, secure, long-term conservation benefits across the forest management unit.	6.10.1 Conversion of forest area to plantations, consistent with the provisions of relevant national and regional legal frameworks and policies, should provide substantial, additional, secure and long term benefits across the forest management unit.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> Forest Management Plan Social, environmental and economic cost benefit analysis Environmental impact assessment, in accordance with the Environmental Quality Act, 1974 <u>Sabah</u> <ul style="list-style-type: none"> Forest Management Plan Sustainable Forest Management Licence Agreement Environment Impact Assessment (EIA) reports <u>Sarawak</u> <ul style="list-style-type: none"> Forest Management Plan Environmental Impact Assessment, where required by the Natural Resource and Environment Ordinance, 1997 (Cap. 84)

FSC Principles & Criteria	Indicators	Verifiers
	<p>6.10.2 Conversion of forest area to non-forest land uses, consistent with the provisions of relevant national and regional legal frameworks and policies, should 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>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • Conversion of forest area to non-forest land use should be in accordance with sections 11 & 12 of the National Forestry Act, 1984 <p><u>Sabah</u></p> <ul style="list-style-type: none"> • Forest Management Plan • Sustainable Forest Management Licence Agreement • Environment Impact Assessment (EIA) reports <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • Conversion of forest area to non-forest land use should be in accordance with Sections 24 & 39 of the Forests Ordinance, 1954 (Cap. 126)

FSC Principles & Criteria	Indicators	Verifiers
<p>Principle 7: Management Plan</p> <p>A management plan – appropriate to the scale and intensity of the operations – 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.</p>		
<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 management plan prepared in accordance with existing regional guidelines and relevant provisions listed in Principle #1 covering items (a) to (i) in Criterion 7.1.</p>	<p><u>Peninsular Malaysia/Sabah/Sarawak</u></p> <ul style="list-style-type: none"> • Forest Management Plan

FSC Principles & Criteria	Indicators	Verifiers
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 management plan, incorporating the results of monitoring or new scientific and technical information, the frequency of which should be appropriate to the scale and intensity of forest management operations, so as to respond to changing environmental, social and economic circumstances.	<u>Peninsular Malaysia/Sabah/Sarawak</u> <ul style="list-style-type: none"> Periodic review as prescribed in the Forest Management Plan
	7.2.2 Forest managers should be aware of new scientific and technical information pertinent to the management of the area to be certified.	<u>Peninsular Malaysia/Sabah/Sarawak</u> <ul style="list-style-type: none"> Records of new scientific and technical information pertinent to the management of the 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 workers for proper implementation of the forest management plan.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> Training facilities and programmes of the Forestry Department Peninsular Malaysia <u>Sabah</u> <ul style="list-style-type: none"> Training facilities and programmes of the <i>Institut Perhutanan Sabah (IPS)</i> List of other training facilities and programmes <u>Sarawak</u> <ul style="list-style-type: none"> Training facilities and programmes of Sarawak Forestry Corporation, Sarawak Timber Association, Sarawak Timber Industry Development Corporation and other agencies
	7.3.2 Forest workers should be trained as to their respective roles in the implementation of the forest management plan.	<u>Peninsular Malaysia/Sabah/Sarawak</u> <ul style="list-style-type: none"> Staff training records and certificates
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 management plan as prepared and implemented under Indicator 7.1.1 should be made available to the public.	<u>Peninsular Malaysia/Sabah/Sarawak</u> <ul style="list-style-type: none"> Public summary of the Forest Management Plan

FSC Principles & Criteria	Indicators	Verifiers
Principle 8: Monitoring and Assessment Monitoring shall be conducted – appropriate to the scale and intensity of forest management – to assess the condition of the forest, yields of forest products, chain of custody, management activities and their social and environmental impacts.		
8.1 The frequency and intensity of monitoring should 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 should be consistent and replicable over time to allow comparison of results and assessment of change.	8.1.1 Forest managers should comply with the regulatory monitoring procedures in accordance with relevant national and regional guidelines of the Forestry Departments and other relevant agencies.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> Director General's Directive on the use of monitoring forms A – D [A: <i>Infrastruktur</i> (Infrastructure), B: <i>Pengusahaan Hutan</i> (Forest Harvesting), C: <i>Alam Sekitar</i> (Environment), D: <i>Pengeluaran</i> (Output)] <u>Sabah</u> <ul style="list-style-type: none"> Sustainable Forest Management Guidelines – Part IV [October 2003] <u>Sarawak</u> <ul style="list-style-type: none"> Procedures for the Inspection of Harvesting Areas, 1999 Instructions for the Inspection of Logging Areas, 1982
	8.1.2 Forest managers should identify and implement appropriate monitoring procedures, in accordance with the scale and intensity of the forest management operations, for assessing social, ecological, environmental and economic impacts.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> Procedures to monitor social, ecological, environmental and economic impacts Director General's Directive on the use of monitoring forms A – D [A: <i>Infrastruktur</i> (Infrastructure), B: <i>Pengusahaan Hutan</i> (Forest Harvesting), C: <i>Alam Sekitar</i> (Environment), D: <i>Pengeluaran</i> (Output)] <u>Sabah</u> <ul style="list-style-type: none"> Auditing and monitoring report Environmental Impact Assessment Compliance Report Records of corrective actions Sustainable Forest Management Guidelines – Part IV [October 2003] <u>Sarawak</u> <ul style="list-style-type: none"> Procedures to monitor social, ecological, environmental and economic impacts Inspection reports Other monitoring records

FSC Principles & Criteria	Indicators	Verifiers
<p>8.2 Forest management should include the research and data collection needed to monitor, at a minimum, the following indicators:-</p> <ul style="list-style-type: none"> 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. 	<p>8.2.1 Forest managers should gather the relevant information, appropriate to the scale and intensity of the forest management operations, needed to monitor the items (a) to (e) listed in Criterion 8.2.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • Results of analysis of growth and yield plots/ growth plots/ continuous forest inventory (CFI) plots • Results of pre-felling, post-felling and Virgin Jungle Reserves inventory analysis • Closing reports • Quarterly progress reports • Wildlife/ biodiversity inventory analysis/ research • Soil and water quality (physical environment) analysis/ research • Social impact analysis/ research/ consultations • Social, environmental and economic cost benefit analysis <p><u>Sabah</u></p> <ul style="list-style-type: none"> • Forest Management Plan • Annual Working Plan • Compartment Record Book • Permanent Sample Plots • Environmental Impact Assessment Compliance Report • Forest Resource Accounting • Social Communication Record <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • Permanent Sample Plots data • Inspection reports • Other monitoring records
<p>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 “chain of custody”.</p>	<p>8.3.1 Forest managers should provide relevant documents for identifying all forest products leaving the area to be certified so that their origin could be easily determined.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • Removal Passes/Permits <p><u>Sabah</u></p> <ul style="list-style-type: none"> • Comprehensive Harvesting Plan • Daily Felling & Extraction Form • Log Summary Record • Removal Pass • Timber Disposal Permit • Export Declaration Form <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • Procedures for Log Tracking System • Removal Pass • A Manual for Timber Royalty Assessment, 1997

FSC Principles & Criteria	Indicators	Verifiers
8.4 The results of monitoring shall be incorporated into the implementation and revision of the management plan.	8.4.1 Forest managers should incorporate the results and findings of the monitoring activities into the implementation and revision of the forest management plan.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> Relevant results of monitoring activities shall be incorporated into the revision of the forest management plan <u>Sabah</u> <ul style="list-style-type: none"> Revision of the Forest Management Plan <u>Sarawak</u> <ul style="list-style-type: none"> Results of monitoring activities shall be incorporated into the revision of the forest management plan
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, should be made available to the public.	<u>Peninsular Malaysia/Sarawak</u> <ul style="list-style-type: none"> Public summary of results of monitoring indicators <u>Sabah</u> <ul style="list-style-type: none"> Public Summary of Compliance Report

FSC Principles & Criteria	Indicators	Verifiers
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.		
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 managers should conduct an assessment of HCVFs in accordance with relevant national and regional legal and regulatory frameworks, appropriate to scale and intensity of forest management operations in the PRFs for Peninsular Malaysia and forest management areas for Sabah and Sarawak, and in consultation with relevant stakeholders and experts.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> Assessment, identification and demarcation on maps of HCVFs in the Forest Management Plan Records of consultations/ dialogues with relevant interested and affected parties <u>Sabah</u> <ul style="list-style-type: none"> Forest Management Plan Environmental Impact Assessment Any other reporting such as scientific expedition Records of consultation with native communities All Adats recognised and enforceable by the Native Courts, including relevant decisions of the Civil Courts <u>Sarawak</u> <ul style="list-style-type: none"> Forest Management Plan Records of dialogues with relevant stakeholders and experts Sarawak Cultural Heritage Ordinance, 1993 All Adats codified under the Native Customs (Declaration) Ordinance, 1996, and any other Adats 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 National Policy on Biological Diversity, 1998
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 managers should provide the assessors with a list of relevant stakeholders who have been consulted regarding the HCVFs.	<u>Peninsular Malaysia</u> <ul style="list-style-type: none"> List of relevant interested and affected parties consulted <u>Sabah</u> <ul style="list-style-type: none"> Records of meetings with relevant stakeholders and experts regarding the HCVFs <u>Sarawak</u> <ul style="list-style-type: none"> Records of dialogues with relevant stakeholders and experts

FSC Principles & Criteria	Indicators	Verifiers
	<p>9.2.2 Forest managers should demonstrate that the forest management operations consider and protect areas of high conservation value in the PRFs for Peninsular Malaysia and forest management areas for Sabah and Sarawak.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • Forest Management Plan <p><u>Sabah</u></p> <ul style="list-style-type: none"> • Forest Management Plan • Annual Work Plan • Compliance Reports <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • Forest Management Plan • Detailed Harvesting Plan
<p>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.</p>	<p>9.3.1 Measures to demarcate, maintain and/or enhance the HCVF attributes are documented in the forest management plan and effectively implemented.</p>	<p><u>Peninsular Malaysia</u></p> <ul style="list-style-type: none"> • HCVF areas demarcated on maps in the Forest Management Plan • Management prescriptions to maintain and/or enhance HCVF attributes • Management records <p><u>Sabah</u></p> <ul style="list-style-type: none"> • Forest Management Plan • Annual Work Plan • Environmental Impact Assessment (EIA) Compliance Report • Comprehensive Harvesting Plan <p><u>Sarawak</u></p> <ul style="list-style-type: none"> • Forest Management Plan • Detailed Harvesting Plan
	<p>9.3.2 These measures should be included in the forest management plan summary made available to the public.</p>	<p><u>Peninsular Malaysia/Sarawak</u></p> <ul style="list-style-type: none"> • Public summary of the Forest Management Plan with the HCVF measures included <p><u>Sabah</u></p> <ul style="list-style-type: none"> • Summary of Forest Management Plan

FSC Principles & Criteria	Indicators	Verifiers
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 managers should conduct, appropriate to scale and intensity of forest management operations, annual monitoring to assess the effectiveness of the measures in the management of the HCVFs in the PRFs for Peninsular Malaysia and forest management areas for Sabah and Sarawak.	<u>Peninsular Malaysia/Sabah/Sarawak</u> <ul style="list-style-type: none"> Monitoring procedures to assess the effectiveness of the measures in the management of the HCVFs Monitoring records
	9.4.2 Forest managers should incorporate the results and findings of the HCVFs monitoring activities into the implementation and revision of the forest management plan.	<u>Peninsular Malaysia/Sabah/Sarawak</u> <ul style="list-style-type: none"> Relevant results and findings of HCVF monitoring activities shall be incorporated into the revision of the Forest Management Plan

DEFINITION OF TERMS USED IN THE MC&I(2002)

The following are definitions of some important terms that are applicable for this document.

Adat: Adat means native customs which include way of life, basic values, systems of belief, code of conduct, manners, conventions and cultural practices according to which indigenous society is ordered. (Source: National-Level Consultation, 28-30 October 2002)

Biological diversity: The variability among living organisms from all sources including, *inter alia*, terrestrial, marine and other aquatic ecosystems and the ecological complexes of which they are a part; this includes diversity within species, between species and of ecosystems. (Source: Convention on Biological Diversity)

Biological control agents: Living organisms used to eliminate or regulate the population of other living organisms. (Source: FSC Principles and Criteria)

Chain of custody: The channel through which products are distributed from their origin in the forest to their end-use. (Source: FSC Principles and Criteria)

Chemicals: The range of fertilizers, insecticides, fungicides, and hormones which are used in forest management. (Source: FSC Principles and Criteria)

Criterion (pl. Criteria): A means of judging whether or not a Principle (of forest stewardship) has been fulfilled. (Source: FSC Principles and Criteria)

Customary rights: Rights which result from a long series of habitual or customary actions, constantly repeated, which have, by such repetition and by uninterrupted acquiescence, acquired the force of a law within a geographical or sociological unit. (Source: FSC Principles and Criteria)

Ecosystem: A community of all plants and animals and their physical environment, functioning together as an interdependent unit. (Source: FSC Principles and Criteria)

Encroachment: The act or action of using forest land contrary to the provisions provided for in forestry laws and regulations with regard to forest land uses. (Source: FSC Principles and Criteria)

Endangered species: Any species which is in danger of extinction throughout all or a significant portion of its range. (Source: FSC Principles and Criteria)

Exotic species: An introduced species not native or endemic to the area in question. (Source: FSC Principles and Criteria)

Forest management/manager: The people responsible for the operational management of the forest resource and of the enterprise, as well as the management system and structure, and the planning and field operations. (Source: FSC Principles and Criteria)

Forest management area: A forest management area refers to the clearly defined area which is under direct management of the company undertaking forest management assessment for the purpose of timber certification. (Source: National-Level Consultation, 28-30 October 2002)

Forest Management Unit: A forest management unit (FMU) is a clearly defined forest area, managed to a set of explicit objectives and according to a long-term management plan. (Source: ITTO Criteria and Indicators for Sustainable Management of Natural Tropical Forests)

Genetically modified organisms: Biological organisms which have been induced by various means to consist of genetic structural changes. (Source: FSC Principles and Criteria)

High Conservation Value Forests: High Conservation Value Forests (HCVFs) are those that possess one or more of the following attributes:

- (a) forest areas containing globally, regionally or nationally significant concentrations of biodiversity values (e.g. endemism, endangered species, refugia); and/or large landscape level forests, contained within, or containing the management unit, where viable populations of most if not all naturally occurring species exist in natural patterns of distribution and abundance
- (b) forest areas that are in or contain rare, threatened or endangered ecosystems
- (c) forest areas that provide basic services of nature in critical situations (e.g. watershed protection, erosion control)
- (d) forest areas fundamental to meeting basic needs of local communities (e.g. subsistence, health) and/or critical to local communities' traditional cultural identity (areas of cultural, ecological, economic or religious significance identified in cooperation with such local communities)

(Source: FSC Principles and Criteria)

Indicator: A qualitative, quantitative or descriptive attribute that, when periodically measured or monitored, indicates the direction of change. (Source: ITTO Criteria and Indicators for Sustainable Management of Natural Tropical Forests)

Indigenous peoples: "The existing descendants of the peoples who inhabited the present territory of a country wholly or partially at the time when persons of a different culture or ethnic origin arrived there from other parts of the world, overcame them and, by conquest, settlement, or other means reduced them to a non-dominant or colonial situation; who today live more in conformity with their particular social, economic and cultural customs and traditions than with the institutions of the country of which they now form a part, under State structure which incorporates mainly the national, social and cultural characteristics of other segments of the population which are predominant." (Source: FSC Principles and Criteria)

Landscape: A geographical mosaic composed of interacting ecosystems resulting from the influence of geological, topographical, soil, climatic, biotic and human interactions in a given area. (Source: FSC Principles and Criteria)

Local laws: Includes all legal norms given by organisms of government whose jurisdiction is less than the national level, such as departmental, municipal and customary norms. (Source: FSC Principles and Criteria)

Long term: The time-scale of the forest owner or manager as manifested by the objectives of the management plan, the rate of harvesting, and the commitment to maintain permanent forest cover. The length of time involved will vary according to the context and ecological conditions, and will be a function of how long it takes a given ecosystem to recover its natural structure and composition following harvesting or disturbance, or to produce mature or primary conditions. (Source: FSC Principles and Criteria)

Natural cycles: Nutrient and mineral cycling as a result of interactions between soils, water, plants, and animals in forest environments that affect the ecological productivity of a given site. (Source: FSC Principles and Criteria)

Natural Forest: Forest areas where many of the principal characteristics and key elements of native ecosystems such as complexity, structure and diversity are present, as defined by FSC approved national and regional standards of forest management. (Source: FSC Principles and Criteria)

Non-timber forest products: All forest products except timber, including other materials obtained from trees such as resins and leaves, as well as any other plant and animal products. (Source: FSC Principles and Criteria)

Permanent Reserved Forest: Any land constituted or deemed to have been constituted a permanent reserved forest under the National Forestry Act, 1984. (Source: National Forestry Act, 1984)

Plantation: Forest areas lacking most of the principal characteristics and key elements of native ecosystems as defined by FSC-approved national and regional standards of forest stewardship, which result from the human

activities of either planting, sowing or intensive silvicultural treatments. (Source: FSC Principles and Criteria)

Precautionary approach: Tool for the implementation of the precautionary principle. (Source: FSC Principles and Criteria)

Principle: An essential rule or element; in FSC's case, of forest stewardship. (Source: FSC Principles and Criteria)

Regulated forest: Forest area harvested in the production forest of the PRFs and has the forest structure, based on forest inventory, to sustain timber production. (Source: *MC&I* dated 4 October 2001)

Silviculture: The art of producing and tending a forest by manipulating its establishment, composition and growth to best fulfil the objectives of the owner. This may, or may not, include timber production. (Source: FSC Principles and Criteria)

Stakeholder: individuals and organisations with a legitimate interest in the goods and services provided by an FMU; and those with an interest in the environmental and social effects of an FMU's activities, products and services. They include: those individuals and organisations which exercise statutory environmental control over the FMU; local people; employees; investors and insurers; customers and consumers; environmental interest and consumer groups and the general public. (Source: FSC Principles and Criteria)

Succession: Progressive changes in species composition and forest community structure caused by natural processes (nonhuman) over time. (Source: FSC Principles and Criteria)

Tenure: Socially defined agreements held by individuals or groups, recognized by legal statutes or customary practice, regarding the "bundle of rights and duties" of ownership, holding, access and/or usage of a particular land unit or the associated resources there within (such as individual trees, plant species, water, minerals, etc). (Source: FSC Principles and Criteria)

Threatened species: Any species which is likely to become endangered within the foreseeable future throughout all or a significant portion of its range. (Source: FSC Principles and Criteria)

Use rights: Rights for the use of forest resources that can be defined by local custom, mutual agreements, or prescribed by other entities holding access rights. These rights may restrict the use of particular resources to specific levels of consumption or particular harvesting techniques. (Source: FSC Principles and Criteria)

Verifier: Data or information that enhances the specificity or the ease of assessment of an indicator. Verifiers provide specific details that would indicate or reflect a desired condition of an indicator. They add meaning, precision and usually also site-specificity to an indicator. They may define the limits of a hypothetical zone from which recovery can still safely take place (performance threshold/target). On the other hand, they may also be defined as procedures needed to determine satisfaction of the conditions postulated in the indicator concerned (means of verification). (Source: The CIFOR Criteria and Indicators Generic Template)