



**PUBLIC SUMMARY
STAGE 2 AUDIT ON
MELATAI-PARA FOREST MANAGEMENT UNIT (FMU)
FOR FOREST MANAGEMENT CERTIFICATION**

**Certificate Number: FMC-NF 00123
Date of First Certification: 27 November 2019
Audit Date: 22-26 April 2019
Date of Public Summary: 6 December 2019**

Certification Body:

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1 EXECUTIVE SUMMARY

This stage 2 audit on the Melatai-Para Forest Management Unit (hereafter referred as the FMU) was conducted on 22-26 April 2019 to assess the compliance of the overall forest management system of the FMU against the requirements of the *Malaysian Criteria and Indicators for Forest Management Certification (Natural Forest)* [MC&I (Natural Forest)] using the verifiers stipulated for Sarawak. The scope of this stage 2 audit was limited to the forest management system and practices on the Permanent Reserved Forest (PRF) within the Melatai-Para FMU.

This stage 2 audit was conducted by a 3-member team comprising Khairul Najwan Ahmad Jahari (Lead Auditor), Ismail Adnan Abdul Malik (Auditor) and Mohd Annas Amin Bin Haji Omar (Auditor). Haniff Salleh of the Malaysian Timber Certification Council (MTCC) participated in this stage 2 audit as an observer.

This stage 2 audit had resulted in the issuance of five (5) and 4 (four) major and minor Non Conformity Reports (NCRs) respectively. The Melatai-Para FMU had submitted a proposed corrective action plan to address these NCRs. The audit team had reviewed and responded to the FMU's proposed corrective action plan via mail. The audit team leader had accepted the corrective actions taken by the Melatai-Para FMU and had finally decided to close out all the major NCRs.

Based on the findings of this stage 2 audit, it was found that the Melatai-Para FMU had taken the appropriate corrective actions to address all the NCRs and therefore had complied with the requirements of the MC&I (Natural Forest). The Audit Team Leader after consultations with the team members and the comments of the peer reviewers had recommended the Melatai-Para FMU be certified under the Malaysian Timber Certification Scheme (MTCS).

This public summary contains the general information on the Melatai-Para FMU, the findings of the stage 2 audit, NCRs raised as well as the decision on the certification of the FMU.

2 INTRODUCTION

2.1 Name of FMU

Melatai-Para Forest Management Unit

2.2 Contact Person and Address

Wong Ting Chung
Forest Management Certification Coordinator
Address:
No.17, 2nd & 3rd Floor,
Jalan Wong Nai Siong
96000 Sibul
Sarawak
Phone # : 084 335335
Fax # : 084 318380

2.3 General Background on the Melatai-Para FMU

The Melatai-Para FMU covers an area of 49,574 hectares (ha). It is part of the Baleh Protected Forest of 126, 442 ha, of which 70,325 ha had been proposed as Totally Protected Area for the Baleh National Park, while the remaining 2,854 ha (adjacent to the Proposed Baleh National Park) had been excluded from the scope of certification due to poor accessibility. The FMU is located in the upper part of the Batang Baleh River, Kapit Division, in the south-east of Sarawak.

The Melatai- Para FMU is managed under Forest Timber Licence (FTL) No. T/3343 issued by the State Forest Department Sarawak to the Sarawak Timber Industry Development Corporation (STIDC). The FTL, which was initially valid for 20 years from 17 June 1997 to 16 June 2017 had been extended twice and is now valid until 16 June 2019. The STIDC had appointed Solid Hartabina Sdn Bhd (Solid Hartabina) to manage the Melatai-Para FMU.

The Melatai-Para FMU is a mix of broken terrain and rugged mountain. It has about 78% under Class III terrain while the remaining 22% under Class IV terrain. The general landform of the FMU ranges from hilly to mountainous with elevation between 750 to 4,000 feet above sea level (ASL).

Currently, harvesting activities were conducted in Coupe 01A under PEC No: T/3343/17/01A, and Operation 5 which were approved on 23 August 2017 and 13 September 2018 respectively. The FMU has 3 major classes of forest i.e. a) Mixed Dipterocarp Forest 1 (Low density stand) b) Mixed Density Forest II (Medium density stand) and c) Mixed Density Forest III (High Density stand).

A map of the FMU showing the significant features of the forest is attached in **Attachment 1**.

2.4 Date First Certified

27 November 2019

2.5 Location of the FMU

The Melatai-Para FMU is situated approximately between latitudes 1° 13' 98" N to 1° 34' 02" N and longitudes 113° 39' 13" E to 114° 11' 35" E.

2.6 Forest Management System

The Melatai-Para FMU had followed the principles of sustainable forest management (SFM) and the requirements of the Forest Licence Agreement of the Sarawak State Government. A Revised 10 Year Melatai-Para Forest Management Plan (2017 – 2032), which was approved by the State Forest Department Sarawak, was presented during this audit. The FMP had stated the objectives of the forest management 'to maintain, restore or enhance the productive capacity and ecological integrity of the FMU to ensure its economic viability'.

2.7 Annual Allowable Cut/Annual Harvest under the Forest Management Plan

The Annual Allowable Cut (AAC) was calculated at an average of 98,650 m³/year or not more than 3,000 ha/year on average for the first 15 years (within the 25 years of cutting cycle). Hence, a moratorium on logging will be observed for the next 10 years (after the first 15 years) within the cycle. This is because the Melatai-Para FMU needs to have an AAC of 98,000m³ to 100,000m³ per year to be sustainable in its operations.

2.8 Environmental and Socioeconomic Context

The FMP had incorporated the findings of the environmental impact assessment (EIA) report entitled 'An EIA for Solid Hartabina Sdn Bhd Under Forest Timber License T/3343 at the Upper Batang Baleh – Sg Melatai Area, Kapit Division, Sarawak'. The EIA report was submitted to the Natural Resources and Environment Board (NREB) for endorsement in June 2016.

The FMP had incorporated the EIA findings on the assessment on the potential environmental impact specifically on endangered, rare and threatened species (ERTS) of flora and fauna and the need for biological corridors in the FMU. In addition, the FMP had incorporated the recommended mitigation measures and best management practices to address the potential environmental impact and outlined the framework and management strategies of wildlife management in the FMU.

There was no permanent local settlement within the Melatai-Para FMU. The settlement nearest to the FMU is Long Singut of the Kenyah Community. The community is located in the upper part of Batang Baleh River about 23 km away from the edge (north-eastern part) of the FMU. It takes more than 10 hours travelling by road and boat to reach the community. In view of its remoteness, the FMU is not affected by any of the community's farming activities.

There were no "Temuda" areas and therefore there were no issues related to land ownership as well as impacts on the socio-economic of the community arising from the FMU's harvesting operations. A Social Impact Assessment (SIA) Report which was made available to the audit team during the audit had also confirmed there was no permanent local indigenous settlement within the Melatai-Para FMU.

3. AUDIT PROCESS

3.1 Audit Dates

22-26 April 2019/15 auditor day(s)

3.2 Audit Team

Khairul Najwan Ahmad Jahari (Lead Auditor)
Mohd Annas Amin Bin Haji Omar (Forester)
Ismail Adnan Abdul Malik (Forester)
Haniff Salleh (Observer)

The details on the experiences and qualifications of the audit team members are as in **Attachment 2**.

3.3 Standard Used

Malaysian Criteria and Indicators for Forest Management Certification (Natural Forest) [MC&I (Natural Forest)] using the verifiers stipulated for Sarawak.

3.4 Stakeholder Consultations

A stakeholder notification was issued on 20 March 2019 and a period of one month was given inviting relevant stakeholders to provide comments on the FMU. However, there was no comment received from the stakeholders on the Melatai-Para FMU.

The audit team had also conducted on-site consultations with the relevant stakeholders during this Stage 2 audit. Consultations were held with the communities in Long Sugut, which is located outside the FMU, harvesting workers in Coupe 01A, and the clerical staff at Solid Hartabina.

3.5 Audit Process

The audit was conducted primarily to evaluate the level of compliance of the FMU, current documentation and field practices in forest management with the detailed of the standard of performances (SOPs) as listed in the MC&I (Natural Forest), using the verifiers stipulated for Sarawak.

For each Indicator, the auditors had conducted either a documentation review, consultation with the relevant personnel of the FMU, local community or stakeholders or field audit or a combination of these methods. Depending on the compliance with the verifiers for a particular indicator, the auditors then decided on the degree of the FMU's overall compliance with the indicator and decided whether or not to issue a major or minor NCR or an OFI which is defined as follows:

- (i) a major NCR is a non-compliance with the requirements of the MC&I (Natural Forest);
- (ii) a minor NCR is a deviation or a lapse in complying with the requirements of the MC&I (Natural Forest); and
- (iii) an OFI is a situation where the auditor has noted an area of concern on the capability of the forest management system to achieve conformance to the requirements of the MC&I (Natural Forest) but without sufficient objective evidence to support a non-conformance.

For a major NCR, Solid Hartabina is requested to notify SIRIM QAS International Sdn Bhd (SIRIM QAS International) of the proposed corrective actions taken within one month from the last date of the audit. The corrective actions as notified by the company shall be verified by the Audit Team Leader or a member of the audit team within three months from the last date of audit.

For a minor NCR, Solid Hartabina shall respond in writing to SIRIM QAS International within one month from the last date of audit detailing the actions to be taken to address all minor NCRs. The effectiveness of the resulting actions taken by the FMU must be verified at the next surveillance visit.

The coverage of this Stage 2 Audit is as shown in the Stage 2 Audit Plan in **Attachment 3**.

Solid Hartabina had sent a corrective action plan to the audit team to address the major and minor NCRs which the audit team had reviewed and accepted them. The audit team had prepared an interim stage 2 audit report and sent it to Solid Hartabina for comment. A second draft stage 2 audit report, which had incorporated the comments received from Solid Hartabina was then prepared and sent to two peer reviewers for independent reviewing. A final stage 2 audit report was prepared incorporating the comments from the peer reviewers (see **Attachment 4**).

4 SUMMARY OF AUDIT FINDINGS

Based on the findings of this stage 2 audit, it was found that Solid Hartabina had managed the Melatai-Para FMU in compliance with most of the requirements of the MC&I (Natural Forest). This stage 2 audit had resulted in the issuance of 5 (five) major, 4 (four) minor NCRs. The details on the NCRs raised are shown in **Attachment 4**.

The audit team had reviewed, accepted and verified the corrective actions taken by Solid Hartabina to address the 5 major NCRs raised during this stage 2 audit. The audit team was satisfied that the corrective action had been effectively implemented and had therefore closed out all the major NCRs. The audit team had also reviewed and accepted Solid Hartabina's proposed corrective actions to address the 4 minor NCRs. However, these corrective actions shall be verified by the audit team during the next audit. The responses made by the audit team leader on these corrective actions and on the final status of the NCRs are as in **Attachment 5**.

On indigenous peoples' rights, at present there were no mechanisms in place to resolve disputes over tenure and use rights. There was no recorded civil court case pertaining to legal or customary tenure or use rights filed against the FMU. Nevertheless, in view of the potential establishment of local communities in the future, the Melatai-Para's forest managers had indicated their willingness to establish and support legally recognized mechanisms for resolving legal or customary tenure or use

rights as outlined in the SOP “Land Claim”. A Community Representative Committee (CRC) shall be established comprising of the FMU Manager/Liaison Officer, Camp manager and communities’ representatives to discuss/arbitrate land issues or impending conflicts (social grievances) between the local communities and the FMU.

With regard to Criterion 6.10, there was no conversion of the natural forest in this FMU to forest plantations or other non-forest land uses. The audit team had not found any evidence of conversion of natural forest or encroachment activities during a site visit to check the external boundaries in the north of the FMU (Block 15), bordering Kalimantan, Indonesia.

As the major NCRs raised during this stage 2 audit had been closed out, the audit team had therefore recommended that the Certificate for Forest Management be awarded to the Melatai-Para FMU.

The summary on the findings of the Stage 2 audit on the Melatai-Para FMU against the requirements of the MC&I (Natural Forest) are as follows:

Principle	Strengths	Weaknesses
<p>Principle 1 Compliance With Laws and Principles</p>	<p>The forest management of the FMU had complied with all the applicable laws of Malaysia, respected the international treaties and agreements which Malaysia is a signatory and complied with all the Principles and Criteria in the MC&I (Natural Forest).</p>	<p>There were no negative findings.</p>
<p>Principle 2 Tenure and Use Rights and Responsibilities</p>	<p>The FMU is managed under a long-term Forest Timber Licence (FTL) No. T/3343 issued to Sarawak Timber Industry Development Corporation (STIDC) by the State Forest Department Sarawak. The STIDC had appointed Solid Hartabina Sdn Bhd to manage the FMU.</p> <p>There was no recorded civil court case pertaining to legal or customary tenure or use rights filed against the FMU.</p> <p>In view of the potential establishment of local communities in the future, the forest managers had indicated their willingness to establish and support legally recognized mechanisms for resolving legal or customary tenure or use rights as outlined in the SOP on land claim.</p>	<p>There were no negative findings.</p>
<p>Principle 3 Indigenous People’s Rights</p>	<p>There was no indigenous or local peoples’ settlement within or in proximity to the FMU. As such the management of the FMU had not threatened or diminished, either directly or indirectly, the resources or tenure rights of any indigenous peoples.</p> <p>There were appropriate procedures for identifying and protecting sites of special cultural, ecological, economic or religious significance to indigenous peoples and provisions for rights of access to these sites by indigenous peoples.</p>	<p>The FMU had no procedure on fair and equitable compensation related to the use of traditional knowledge and practices of local communities in accordance with existing legislation or by mutual agreement. A minor NCR IAM02/2019 was raised against Indicator 3.4.2.</p>

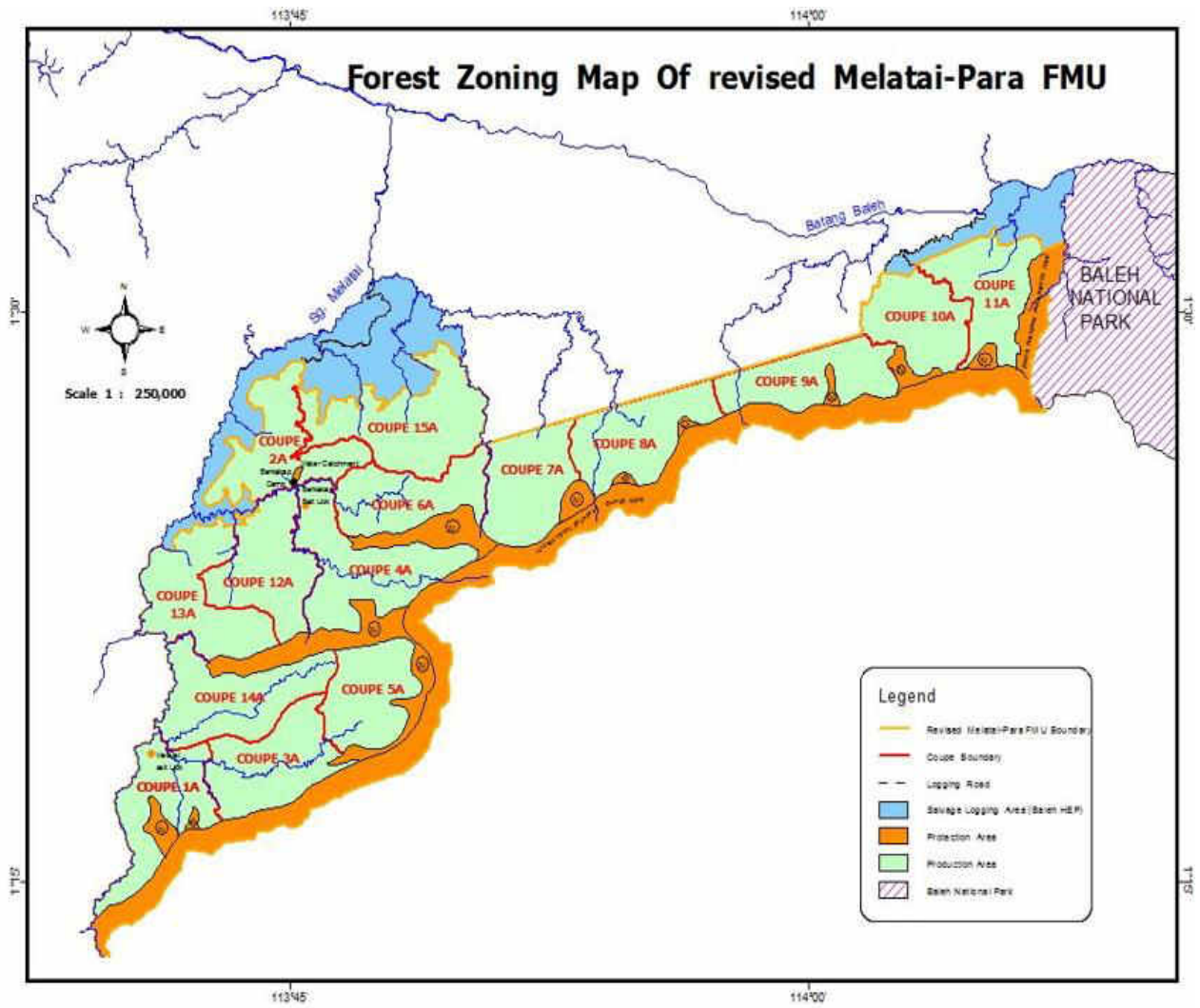
Principle	Strengths	Weaknesses
<p>Principle 4 Community Relations and Workers' Rights</p>	<p>Qualified people in communities living in the Long Singut were given preference for employment and contract works in the FMU.</p> <p>The occupational safety and health policy dated 12 September 2018 was in line with current legislations and/or regulations.</p> <p>Emergency Response Procedures had been established for actions during fire outbreak.</p> <p>A Safety and Health Committee had been established. The Committee had held its meetings once in 3 months.</p> <p>Hazard and warning signs were placed at strategic areas within the logging camps. There was demarcation of hazardous areas. Warning and PPE mandatory signs were being displayed at the workshop, before entry to the logging block and on the field.</p> <p>Appropriate safety and operation procedures were made available to forest workers. These include work instruction, hazard identification, risk assessment and risk control (HIRARC), safety manual and safety data sheet (SDS) for all chemicals.</p> <p>The workers were aware of the freedom to form/join union of their own choice. However, there was no worker union in the FMU.</p> <p>There were provisions and measures taken within the relevant federal, state and local laws to prevent loss or damage affecting the local communities' legal or customary rights, property, resources, or their livelihoods.</p>	<p>It was found during visits at Camp B and Berkakap Camp workshops that three (3) Certificates of Fitness from DOSH for air compressor had expired and four (4) Safety equipments were not in good working condition. Hence, a major NCR ANS01/2019 against Indicator 4.2.3 was raised.</p>
<p>Principle 5 Benefits From the Forest</p>	<p>There were provisions for forest administration, research (scientific collaboration), human resource development, protection (patrolling), economic (operating), conservation (HCV), environmental (EMR and ECA) and social aspects (CSR, compensation).</p> <p>The revised FMP, which was approved by State Forest Department Sarawak, had detailed the objectives of the FMU's forest management as 'to maintain, restore or enhance the productive capacity and ecological integrity of the FMU to ensure its economic viability'.</p>	<p>During the site visit to main trail (MT-2C at Block 2) of Coupe 01A, it was found four (4) Potential Crop Trees (PCT) i.e. Keruing 40cm (dbh), Ubah 44cm (dbh), Meranti 47cm (dbh) and Terap 36cm (dbh) were damaged during harvesting operation. At Skid Trail FT-5D-0-1 in Block 5 of Coupe 01A, it was found that one (1) un-marked protected tree (Menggris of 60cm (dbh)) was uprooted during the construction of skid trail. Hence, a major NCR KN03/2019 was raised against Indicator 5.3.1.</p>

Principle	Strengths	Weaknesses
	<p>The FMU had implemented the new 'Guidelines for Reduced and Low Impact Logging Systems in Forest Management Certification (Natural Forest) Area, Second Edition, 2014, published by the State Forest Department Sarawak.</p> <p>There was regular training for the company's workers on reduced-impact logging techniques.</p> <p>Sensitive areas such as watercourses and wetlands which include stream buffer reserve (SBR) or riparian buffers, Terrain IV, water catchments and other HCVF had been demarcated and protected.</p> <p>Based on the established cutting diameter limits, the annual coupe of the FMU was set to not more than 98,650 m³/year (average annual coupe production area shall be 2,505 ha/year).</p> <p>The FMU had not exceeded the quota of cutting limit approved by State Forest Department Sarawak for July 2018-June 2019) which was 23,529 m³/year (8,816m³ for local and 4,704 m³ for export).</p>	
<p>Principle 6 Environmental Impact</p>	<p>The FMP had incorporated the information from the EIA and those impacts specific on endangered, rare and threatened (ERT) species of flora and fauna, and the need for biological corridors.</p> <p>There were guidelines to identify and protect ERT species of forest flora and fauna, including features of special biological interest such as seed trees, salt licks, nesting and feeding areas.</p> <p>There were guidelines to establish representative conservation and protection areas, in accordance with existing forest ecosystems. The guidelines had also included the list of protected and totally protected species.</p> <p>The FMU had also followed the procedure on wildlife monitoring. The activities on hunting, fishing and collecting were controlled by the appointed Honorary Wildlife Rangers.</p> <p>In areas of inadequate or poor in natural forest or void of natural regeneration, enrichment planting and rehabilitation and reforestation, were carried out.</p> <p>The FMU had adopted the selective</p>	<p>During a site inspection at Block 5 Coupe 01A, it was found that skid trail FT-5d-0-1 and FT-5a-0-1 had additional skid trail constructed at locations different and without the approval of the Sarawak Forestry Corporation. Hence, a Major NCR KN02/2019 against Indicator 6.5.1 was raised.</p> <p>There were guidelines on forest road layout and construction, including log landings and drainage as outlined in the "Guidelines for Forest Road Layout and Construction, Forest Department Sarawak". However, it was found that:</p> <ul style="list-style-type: none"> • there was a farm found within the SBR at the Sg. Berkakap SBR, near Berkakap base camp, and • there was a debris from fallen trees at SBR on Block 15 boundary. <p>A major NCR IAM 01/2019 against Indicator 6.5.4 was raised.</p> <p>It was found that schedule wastes had not been properly handled in an environmentally appropriate and legally accepted manner at the following locations:</p>

Principle	Strengths	Weaknesses
	<p>logging method and reduced impact logging (RIL) due to imposition of minimum cutting diameter limits for Dipterocarp and non-Dipterocarp.</p> <p>The FMU had carried out conservation of genetic, species and ecosystem diversity. Harvesting was done taking into consideration the need for the conservation of biological corridors and buffer zones.</p> <p>The FMU had selected, demarcated and protected representative areas of existing forest ecosystems, appropriate to the scale and intensity in their natural state. The boundaries of the HCVs buffer zone and site had been clearly painted blue with adequate signage.</p> <p>The FMU had a procedure on harvesting which it had implemented to protect soil from compaction by harvesting machinery and erosion. Road layout and log landings, including drainage had complied with the specifications.</p> <p>The FMU had an “Environmental Policy” on the use of environmentally friendly non-chemical methods of pest management and avoiding the use of chemical pesticides.</p> <p>There were no exotic species being planted in the FMU. There was enrichment planting with local species (Kelempayan, Bindang and Sawih). There was no conversion of natural forest to plantation or other land uses.</p>	<ol style="list-style-type: none"> 1. at Camp B Km 93 workshop, storage facilities of schedule waste not available; 2. at Berkakap Camp workshop, the workers knowledge on handling of scheduled waste did not follow the procedures. <p>A major NCR ANS 03/2019 was therefore, raised against Indicator 6.7.1.</p>
<p>Principle 7 Management Plan</p>	<p>The up-dated FMP (December 2018) had addressed all issues and requirements of items (a) to (i).of Criterion 7.1.</p> <p>Record of new scientific and technical information pertinent to the management of the forest area to be certified was made available to the forest managers.</p> <p>A summary of the primary elements of the FMP including those listed under criterion 7.1 was made available to the public at http://www.solidhartabina.com/forest-management-plan/.</p>	<p>It was found that the training proposal for the year 2019 (internal and external) and summary list of training/seminar had not included the following courses:</p> <ol style="list-style-type: none"> 1. Awareness of MC&I (Natural Forest); 2. PSP establishment and monitoring; 3. HCVF/Flora/Fauna monitoring and awareness; 4. Scheduled Waste and Chemical Handling and; 5. Post-Harvest Assessment <p>Therefore, a minor NCR ANS04/2019 was raised against Indicator 7.3.1.</p>

Principle	Strengths	Weaknesses
<p>Principle 8 Monitoring and Assessment</p>	<p>Sarawak Forestry Corporation had conducted a monitoring on the FMU on coupe boundaries and buffer zone area for blocks 001-007 and RIL on Block 6 Coupe 1A on 08 August 2018 and 20 April 2019 respectively and found no offences being committed.</p> <p>The FMU had engaged Chemsain Konsultant Sdn Bhd to conduct an environmental monitoring on 30 March – 2 April and published an Environmental Monitoring Report (EMR) for 1st Quarter 2019.</p> <p>The FMU had revised the FMP every 5 years to include the findings of research works and the results of monitoring activities.</p> <p>A summary of the results of monitoring was made publicly available at the Solid Hartabina's website http://www.solidhartabina.com/forest-management-plan/</p>	<p>The procedures to monitor social, ecological, environmental and economic impacts for forest management operations as outlined in “Draft Proposal for Procedures to Monitor on Environmental & Ecological impacts caused by logging in FMU” was not sufficient. Thus, a minor NCR KN01/2019 was raised against Indicator 8.1.2.</p> <p>On the establishment of Permanent Sample Plot (PSP), it was found that:</p> <ol style="list-style-type: none"> 1. PSP No 11A/1 at Coupe 12 - the compass bearing of the plot baseline was 180° instead of 200° (hence, not following the specification as stated in the field data sheet for re-assessment of tree species. 2. PSP No.5A/3 at Coupe 10 - the boundaries of the quadrants in the plot were not demarcated hence, causing the quadrants to overlap with each other. <p>A minor NCR ANS 02/2019 was raised against Indicator 8.2.1.</p>
<p>Principle 9 Maintenance of High Conservation Values</p>	<p>The forest managers had initiated an assessment to determine the presence of HCVFs within the FMU using the Malaysia Toolkit.</p> <p>The FMU had demarcated the HCVF sites on map as well as on the ground.</p> <p>The FMU has documented the HCVF attributes under Chapter 11 of the FMP (2017-2032) – ‘Identification and Management of Protection Areas’.</p> <p>The FMU had prepared a public summary of all the HCVFs in the FMP. The public summary was also posted at Solid Hartabina's website at http://www.solidhartabina.com/forest-management-plan/</p> <p>There was record of monitoring on all HCVFs Solid Hartabina's Forest Managers had incorporated the results and findings of the HCVFs monitoring activities in the revision of the FMP.</p>	<p>There were no negative findings.</p>

Map of the Melatai-Para FMU



Experiences and Qualifications of Audit Team Members

Assessment Team	Role/Area of MC&I Requirement	Qualifications and Experiences
Khairul Najwan Ahmad Jahari	Audit Team Leader / Forester	<p>Academic Qualifications: B.Sc. Forestry (Forest Management), Universiti Putra Malaysia.</p> <p>Work Experiences: Appointed as contract Research Officer in the Natural Forest Division, Forest Research Institute of Malaysia (FRIM) in 2001. Conduct and coordinate research on 8th Malaysian Plan Projects. Produce technical reports, minutes of meetings, seminar and conferences reports as well as quarterly physical and financial reports. Coordinate and participate in field works, multi-level meetings, seminars, conferences and workshops. Participate in other existing FRIM projects (inter divisional) as an organizing committee member, division level activities and projects. Currently as Lead Auditor at the Food, Agriculture and Forestry Section (FAF), SIRIM QAS International, since 2009. Involved in conducting assessments on forest management certification (MC&I), MYNI of RSPO P&C and other management system on ISO 9001, 14001 and OHSAS 1800</p> <p>Training / Research Areas: Attended and passed the following training programmes:</p> <ul style="list-style-type: none"> • Auditor Training Course on Malaysian Criteria and Indicators for Forest Management Certification [MC&I (2002)] organized by MTCC, 30 March - 2 April 2009. • EMS 14001: 2004 Lead Auditor Course organized by SIRIM Training Services Sdn Bhd, 2-6 March 2009. • OHSAS 18001: 2007 Lead Auditor Course organized by SIRIM Training Services Sdn Bhd, 23-27 Feb 2009. • QMS 9001: 2008 Lead Auditor Course organized by SIRIM Training Services Sdn Bhd, 16 – 21 Feb 2009.
Ismail Adnan Abdul Malek	Auditor/ Forester	<p>Academic Qualification: Master of Forestry, University of British Columbia, Canada</p> <p>Work Experiences: One-year (1974-1975) as Sub Assistant Conservator of Forest, Pahang State Forestry Department, involved with Forest Administration/Management and Enforcement. Next, seven years (1979-1986) as Forest Officer/Logging Superintendent at Syarikat Jengka Sdn. Bhd (SJSB), an integrated timber complex in Pahang. Responsible for Forest Licensing/ Administration, Forest Mapping, Road Construction and Logging Operations Senior Lecturer at the Forestry Faculty, Universiti Putra Malaysia (UPM) from 1986 to 2014. Teaching and conduct research in Forest Mensuration, Forest Survey, Forest Road, GIS/Remote Sensing and Forest Mapping. Responsible for academic supervision of more than 100 Bachelor/Master/Phd students in their research and thesis writing. Own research at UPM include various areas such as forest mapping using geo spatial tools, forest inventories, forest harvesting and forest</p>

		<p>management system (SMS). Also involved with consultancy works which include preparing Forest Management Plan (FMP), and Forest Mapping. Participate in organizing local/international seminars on forestry. Published and presented research findings at seminars/conferences and journals. Currently as Auditor at the Food, Agriculture and Forestry (FAF), SIRIM QAS International Sdn Bhd, since 2016. Involved in conducting assessments on forest management certification MC&I (Natural Forest) & MC&I (Forest Plantations).</p> <p>Training / Research Areas:</p> <ul style="list-style-type: none"> • Auditor Training Course on MC& I (Natural Forest) and MC&I (Forest Plantation V2), 9th-10th July 2015, SIRIM ISO 14001:2004 Lead Assessor Training, 23rd-27th Nov 2015 QAS International Sdn Bhd • , SIRIM Training Services Sdn. Bhd • Training on Auditing Techniques, 26th January 2016, SIRIM QAS International Sdn Bhd
<p>Mohd Annas Amin Bin Haji Omar</p>	<p>Auditor/Forester</p>	<p>Academic Qualification: Diploma in Forestry, UPM, B. Sc. In Forestry, UPM</p> <p>Work Experiences: Six year as Assistant Forest Officer at Perak Forestry State Department in the year from 2013-2018. Main responsibility is Assisting District Forest Officers in administrative work, forest development and forest operations. Conduct forest Enforcement Team Activities such as The Prevention of illegal logging. Also appointed as Investigative Officer on Investigations of forest offences.</p> <p>Attended and passed the following training programmes:</p> <ul style="list-style-type: none"> • Program of MTCS Training Course (MC&I) in Kuantan (9-12 July 2018) • Lead Auditor ISO 9001, ISO 14001 & ISO 45001 by Exemplar Global Certified (13-18 August 2018)

Stage 2 Audit Plan

DAY	TIME	PROGRAM	
		(AUDITOR 1 & 3)	AUDITOR (2)
Travel Day 1 20.4.19 Saturday	04.00pm-11.00pm	All Auditors travelling from KLIA to SIBU on 20 April 2019. Flight from Kuala Lumpur (KUL) to Sibu (SBW) MH2718 ETD-16:00, ETA-18:05 Staying at King Wood Hotel	
Travel Day 2 21.4.19 Sunday	8.00 am – 2.00 pm 2.00 pm – 6.30 pm	Travelling to Kapit by Express Boat Continue travelling to Melatai-Para Camp	
Audit Day 1 22.4.19 Monday	8.00 am – 1.00 pm 2.00 pm – 5.00 pm	<ul style="list-style-type: none"> • Opening Meeting with representatives of FMU • Briefing session by Forest Manager of the FMU • Q&A Session • Follow up on issues of concern from Stage 1 • Check on complaints, stakeholder comments and follow-up actions (if any) <ul style="list-style-type: none"> ○ Local Communities ○ Government agencies ○ NGOs • Evaluate on internal audit and management review <p>Documentation and records review</p> <p>Principle 1 – Compliance with Laws and Principles Principle 2 – Tenure and Use Rights and Responsibilities Principle 3 – Indigenous Peoples' Right Principle 4 - Community Relations and Worker's Right Principle 5 – Benefits from the forest Principle 6 – Environmental Impact Principle 7 – Management Plan Principle 8 – Monitoring and Assessment Principle 9 – Maintenance of High Conservation Value (HCV)</p> <ul style="list-style-type: none"> • Review of Day 1 Findings by Audit Team Leader 	
Audit Day 2 23.4.19 Tuesday	7.30 am – 1.00 pm 2.00 pm – 5.00pm	<p>Site visit</p> <ul style="list-style-type: none"> • Inspection of active harvesting area at Block 1 & 2 Coupe 01A • Consultation with contractors and workers operating in active logging area, bulldozer, hook-man, chainsaw and supervisor. • Inspection of Coupe Boundary • Conservation area and PSP plots No. 11A/3 at Coupe 12 	<p>Site visit</p> <ul style="list-style-type: none"> • Inspection of active harvesting area Block 5, 7 & 8 at Coupe 01A • Inspection of Pre-harvesting area and Tree tagging area • Inspection of PSP No1A/1 at Coupe 01A • Inspection of FMU Licenses Boundaries

		<ul style="list-style-type: none"> Review of Day 2 Findings by Audit Team Leader 	
Audit Day 3 24.4.19 Wednesday	7.30 am – 1.00 pm	Site visit <ul style="list-style-type: none"> Inspection of active harvesting area at Block 15, Coupe 01A Inspection of Post-harvesting area and Silviculture treatment activities at Coupe 14 	Site visit <ul style="list-style-type: none"> Consultation with stakeholders – Forest Department Sarawak and Sarawak Forestry Corporation (SFC) Visit HCVF sites water catchment at Sg Berkakap Bufferzone at Sg Berkakap
	2.00 pm – 5.00pm	<ul style="list-style-type: none"> Inspection of FMU Licenses Boundaries Conservation / HCVF area Salt Lick at 01A 	
		<ul style="list-style-type: none"> Review of Day 3 Findings by Audit Team Leader 	
Audit Day 4 25.4.19 Thursday	7.30 am – 1.00 pm	<ul style="list-style-type: none"> Inspection of Central Stumping Site Inspection of PSP No.5A/3 at Coupe 10 Inspection of FMU License boundaries with International Boundary Consultation with Long Singut 	<ul style="list-style-type: none"> Consultation with workers and worker's representative Inspection on workshop Berkakap, SW store machineries maintenance and equipment Inspection on workshop and SW Store at Camp B nursery and chemical store
	2.00 pm – 5.00pm		
Audit Day 5 26.4.19 Friday	8.30 am – 1.00 pm	<ul style="list-style-type: none"> Documentation and records review 	
	2.00pm-3.00 pm	<ul style="list-style-type: none"> Preparation of audit report and finding Briefing to representatives of FMU on the findings of audit 	
	4.00 pm	<ul style="list-style-type: none"> Closing Meeting and presentation of findings of audit and discussion on follow-up activities Adjourn Closing Meeting 	
Travel Day 1 27.4.19 Saturday	7:30am - 11:00 pm	Travelling from Melatai Para Camp to Log pond	
	11.30am – 2.30pm	Travelling to Kapit and continue to Sibu by Express Boat	
	6.00pm	Staying at King Wood Hotel	
Travel Day 2 28.4.19 Sunday	9.00am	All Auditors travelling from SIBU to KLIA on 28 April 2019.	
		MAS Flight from Sibu (SBW) to Kuala Lumpur (KUL) MH2715 ETD-11:05, ETA-12:55	

Peer Reviewer Evaluation of Audit Report

Peer Reviewer 1

No	Item	Comments	Auditor respond
1.	Comprehensiveness and quality of reporting	The quality of the reporting was good and comprehensive.	<i>Noted</i>
2.	Has the audit been conducted objectively and professionally?	In my opinion the audit has been conducted in an objective and professional manner.	<i>Noted</i>
3.	Has each Principles and Criterion been adequately addressed? Please include comments on each principles and Criterion	All the Principles and Criterion were adequately addressed.	<i>Noted</i>
4.	Are the conclusions of the findings appropriate?	All the conclusions of the findings were appropriate except for Minor NCR on Indicator 8.1.2 (see below and Summary for more details)	<i>Noted</i>
5.	Agreement/Disagreement with the NCRs raised by the Audit Team	I agreed with all the Major and Minor NCRs raised except for Minor NCR for Indicator 8.1.2 where the Auditor did not provide a clear description of what exactly is not sufficient on the Draft proposal. As I do not have a copy of the Draft proposal, I am unable to comment on the appropriateness of a Minor NCR here.	<i>Auditor Comment: Agreed. To be improved during next audit or other audits. The findings shall clearly state with strong evidences.</i>
6.	Are the recommendations by the audit team appropriate?	The recommendation by the Auditors for the Melatai-Para FMU to be certified against the MC&I (Natural Forest) is appropriate.	<i>Noted</i>
7.	Areas where additional information is required	None except for Indicator 8.1.2, the Auditor need to provide a clear, concise and precise description as to what is not sufficient in the Draft Proposal.	<i>Auditor Comment: Agreed. To be improved during next audit or other audits. The findings shall clearly state with strong evidences</i>
8.	Others	None.	<i>Noted</i>

Name of Peer Reviewer : Dr. Woon Weng Chuen

Peer Reviewer 2

No	Item	Comments	Auditor respond
1.	Comprehensiveness and quality of reporting	<p>The report is well written, comprehensive and quite thorough; however, please check:</p> <p>1.1 Certification Details</p> <ul style="list-style-type: none"> Any update on the certificate number and date of certification 	<p><i>The certificate number and date of certification to be included after the FMU is certified.</i></p>
2.	Has the audit been conducted objectively and professionally?	Yes, the audit has been conducted objectively and professionally.	<i>Noted</i>
3.	Has each Principles and Criterion been adequately addressed? Please include comments on each principles and Criterion	<p><u>Criterion 1.1</u></p> <p><u>Item: Under Objective evidence(s)</u> Paragraph three, line two“Sarawak Forestry Department”</p> <p><u>Comments:</u> Change to Forest Department Sarawak (official name). Please check the whole report to standardize</p> <p><u>Criterion 1.4</u></p> <p><u>Item: Under Objective evidence(s)</u> Paragraph three, line 2</p> <p>....Upper “reaches” of Batang Baleh about 23 km away...</p> <p><u>Comments:</u> Is it meant to be “ridges”? Please check the whole report to standardize.</p> <p><u>Criterion 1.5</u></p> <p><u>Item: i. Indicator 1.5.1</u> The ‘not comply’ box was ticked</p> <p><u>ii. Under Objective evidence(s)</u> The non-compliance was not mentioned</p> <p><u>Comments:</u> The evidence of not comply (minor or major) was not stated.</p> <p><u>Criterion 3.2</u></p> <p><u>Item: Under Objective evidence(s)</u> This has been confirmed stakeholder consultation conducted</p>	<p><i>Report amended to “...Forest Department Sarawak (FDS) and Sarawak Forestry Corporation (SFC)”, as well to 5 other mistakes in the report</i></p> <p><i>Report amended to “... upper part of Batang Baleh...”</i></p> <p><i>Mistakenly tick “not comply” box</i></p> <p><i>Corrected by ticking “comply” box</i></p> <p><i>Report amended to “This has been</i></p>

		<p>on 18 February 2019 has confirm that villagers of Long Singut. Clear boundary set up prevents any possible adverse impacts on the land of indigenous communities outside the FMU area.</p> <p>Comments: Please double check the sentences, may be need to be reword</p> <p>Criterion 4.2</p> <p>Item: Under Objective evidence(s) The local “employers” (189 staffs) have been insured....</p> <p>Comments: Change to “employees”</p> <p>Criterion 6.5</p> <p>Item: Under Objective evidence(s) Paragraph three, roman number I i. At Sg. Berkakap SBR near located near Berkakap base camp, a farm was found within the SBR</p> <p>Comments: Please double check the sentences, may need to be reword.</p>	<p><i>confirmed during stakeholder consultation conducted on 18 February 2019 with villagers of Long Singut. In addition, clear licence boundary has been set up to prevents any possible adverse impacts on the land of indigenous communities outside the FMU area”</i></p> <p><i>Amended to “The local employees (189 staffs) have been insured by Am General Insurance Bhd...”</i></p> <p><i>Report amended to “a farm was found within the SBR at Sg. Berkakap SBR, near Berkakap base camp”</i></p>
4.	Are the conclusions of the findings appropriate?	The conclusions of the findings are appropriate.	<i>Noted</i>
5.	Agreement/Disagreement with the NCRs raised by the Audit Team	In agreement with the NCRs raised by the Audit Team but please check Criterion 1.5, Indicator 1.5.1.	<i>Mistakenly tick the non-comply box due to using standard format of reporting</i>
6.	Are the recommendations by the audit team appropriate?	The recommendations proposed by the Audit Team is appropriate	<i>Noted</i>
7.	Areas where additional information is required	Not Applicable	<i>Noted</i>
8.	Others	Not Applicable	<i>Noted</i>

Name of Peer Reviewer : Noorainie Awang Anak

Details on NCRs and OFIs Raised During this Stage 2 Audit

Indicator	Detail Non-conformances	Corrective Action Taken	Verification by Assessor
<p>Major</p> <p>NCR: ANS01/ 2019</p>	<p>Requirement: Indicator 4.2.3 appropriate safety and operational equipment in good working condition, including operational procedures, shall be made available to forest workers in the work</p> <p>Finding:</p> <ul style="list-style-type: none"> • Certificate of fitness from DOSH for air compressor has expired. • Safety equipment not in good working condition. <p>Objective evidence:</p> <ul style="list-style-type: none"> • Records on Certificate of fitness from DOSH for one (1) air compressor at Camp B Workshop and two (2) at Berkakap Camp Workshop was on and 8th August 2012 • During visit at Camp B workshop and Berkakap Camp workshop found 4 fire extinguishers was not functioning due to low pressure. 	<p>Result of investigation and determination of root cause:</p> <ul style="list-style-type: none"> • Absence of proper monitoring system to ensure the fitness and good working condition of workshop and safety equipment within the FMU <p>Correction and corrective action plan including completion date:</p> <ul style="list-style-type: none"> • To apply to DOSH for renewal of Certificate of Fitness for all 3 compressors • To refit/refill 4 defective fire extinguishers and provide evidence of refitting/refilling from authorized vendor • To draw up Monitoring and Inspection checklist for key workshop and safety equipment; to be used by Safety Officer on quarterly basis 	<p>Three certificates of fitness of air compressor with validity date from 25 June 2019 to 24 Oct 2020 for SW PMT 81461, SW PMT 81460 and SW PMT 81469 were accepted. This included receipt of payment no SW/RE/19/8011 dated 27 June 2019 from DOSH Kuching.</p> <p>Fire extinguisher was refilled (23 units) as receipt dated 11 June 2019 from supplier Pansar Company Sdn Bhd.</p> <p>Checklist of equipment safety and fitness monitoring was also verified by auditor.</p> <p><u>Status of NCR:</u> Closed-out.</p>
<p>Major</p> <p>NCR: KN03/ 2019</p>	<p>Requirement: Indicator 5.3.1 - Implementation of guidelines for reduced/low impact logging to minimize damage to residual stand.</p> <p>Finding: The implementation of guidelines for reduced/low impact logging to minimize damage to residual</p>	<p>Result of investigation and determination of root cause:</p> <ul style="list-style-type: none"> • lack of training on proper tree felling and other RIL techniques for relevant workers • lack of monitoring procedure for RIL implementation <p>Correction and Corrective action plan</p>	<p>The following evidences were verified and accepted on 29 July 2019;</p> <ul style="list-style-type: none"> • STA training for tree fellers and operators on 8-14 July 2019 (8 workers) and on 9-16 April 2019 (15 workers) • Annual training program 2019 • Minutes of meeting on awareness briefing dated 25 May 2019 and training on RIL including PCTs, Cutting Limit, Road Specification, protected trees, tagged

	<p>stand were not followed</p> <p>Objective evidence: During the site visit to MT-2c at Block 2 of Coupe 01A, it was found four (4) Potential Crop Trees (PCT) i.e. Keruing 40cm (dbh), Ubah 44cm (dbh), Meranti 47cm dbh and Terap 36cm dbh were damaged during the forest harvesting operation.</p> <p>Visit to Skid Trail FT-5d-0-1 at Block 5 of Coupe 01A, found one (1) un-marked Protected tree (Menggris tree with size 60cm (dbh)) was uprooted during the construction of skid trail.</p>	<p>including completion date:</p> <ul style="list-style-type: none"> to send less experienced workers for training on (i) Tree Felling – Chainsaw (Natural Forest); and (ii) Log Extraction – Tractor (Natural Forest) Skills sets and other relevant courses conducted by STA; to plan for at least 2 internal RIL courses as part of the FMUs Annual Training Program (ATP) to introduce monitoring procedure for RIL implementation from Block Opening to Block Closing c/w regular supervision of key work activities. 	<p>trees to the relevant workers.</p> <ul style="list-style-type: none"> Attendance list and pictures taken during the training. <p><u>Status of NCR:</u> Closed-out</p>
<p>Major NCR: IAM01/ 2019</p>	<p>Indicator 6.5.4 - Availability and implementation of guidelines for conservation of buffer strip along streams and river.</p> <p>Finding: Stream Buffer Reserve (SBR) has been encroached</p> <p>Objective evidence: During inspection by the Auditor at the following locations, it was found:</p> <ol style="list-style-type: none"> At Sg. Berkakap SBR near located near Berkakap base camp, a farm was found within the SBR At SBR on Block 15 boundary, debris from fallen trees was found within the SBR. 	<p>Result of investigation and determination of root cause:</p> <ul style="list-style-type: none"> Ignorance of restrictions within SBR on the part of some workers and residents <p>Correction and Corrective action plan including completion date:</p> <ul style="list-style-type: none"> Remove farm immediately Remove debris at SBR, Block 15 immediately Issue circular in Bahasa Malaysia to inform ALL workers and residents not to carry out any activities in SBR and other conservation area followed by briefing at next Workers Representatives Committee meeting 	<p>The following evidences were verified and accepted on 29 July 2019;</p> <ul style="list-style-type: none"> Cleaning up of SBR Zone as in “Report of clean-up encroached SBR” dated 26 June 2019 was accepted Debris Removal Report at Block 15, dated 25 June 2019 SBR Circulation Dissemination on 15 and 20 May 2019 <p><u>Status of NCR:</u> Closed-out</p>
<p>Major NCR:</p>	<p>Indicator 6.5.1 - Availability and implementation of harvesting procedures to protect the soil from</p>	<p>Result of investigation and determination of root cause:</p>	<p>The following evidences were verified and accepted on 17 September 2019;</p>

<p>KN02/2019</p>	<p>compaction by harvesting machinery and erosion during harvesting operations</p> <p>Finding: Construction of skid trail was carried out without official permission from Sarawak Forestry Corporation (SFC).</p> <p>Objective evidence: During site inspection at Block 5 Coupe 01A, it was found that skid trail FT-5d-0-1 and FT-5a-0-1 had additional skid trail constructed at locations different from that approved by the Sarawak Forestry Corporation. The location of the additional skid trails was without the permission of Sarawak Forestry Corporation.</p>	<ul style="list-style-type: none"> • Lack of understanding of RIL on the part of a few skid-trail construction crew • Lack of monitoring procedure for RIL implementation in the FMU <p>Correction and Corrective action plan including completion date:</p> <ul style="list-style-type: none"> • to immediately close out the two skid trails in block 5 that have been constructed not in accordance with SFC approval and to carry out a damage mitigation or rehabilitation works especially tree planting along the trails • to issue writing instruction to all harvesting Crew NOT to add or change skid trail construction without prior consent from the Forest Manager • to introduce monitoring procedure for RIL implementation from Block opening to block Closing. 	<ul style="list-style-type: none"> • Skid Trail Closure report dated 25 June 2019 includes maps, photo of skid trails and photos of planting/rehabilitation by local seedling; • Memo (“surat pekelling”) was issued to workers on changes of skid trail dated 7 April 2019; and • New RIL Monitoring Procedure & Checklist dated 23 August 2019. <p><u>Status of NCR:</u> Closed-out.</p>
<p>Major NCR: ANS03/ 2019</p>	<p>Indicator 6.7.1 - Oil, fuel, tyres, containers, liquid and solid nonorganic wastes, shall be disposed of in an environmentally appropriate and legal manner. Procedures Managing Scheduled Waste</p> <p>Finding: Schedule wastes has not been properly handled in an environmentally appropriate and legal manner</p> <p>Objective evidence:</p> <ol style="list-style-type: none"> 1. Inspection of Camp B Km 93 workshop found Storage facilities of schedule waste not available. 2. Inspection of Berkakap Camp 	<p>Result of investigation and determination of root cause:</p> <ul style="list-style-type: none"> • Incomplete implementation of scheduled-waste handling guidelines • Lack of properly trained personnel to manage scheduled waste • Absence of practical SOP for Scheduled Waste management at the FMU <p>Correction and Corrective action plan including completion date:</p> <ul style="list-style-type: none"> • To construct appropriate storage facilities for scheduled wastes at Camp B • To draft practical SOP for Scheduled Wastes management at the FMU 	<p>The evidences below were verified and accepted on 29 July 2019;</p> <ul style="list-style-type: none"> • Design and storage facility of SW storage unit and diesel pump station; • Photos of new SW store and new diesel dispenser station; • SOP on SW storage and disposal (July 2019); • Briefing on handling of Hazardous Waste (SW) was conducted on 21 May 2019 includes attendance list; • Person in charge Azrul Ikshan was appointed as competent person to handle SW with certificate validity until 28.4.2020 <p><u>Status of NCR:</u> Closed-out</p>

	workshop found worker's knowledge of handling scheduled waste not follow the procedures	<ul style="list-style-type: none"> To provide training on scheduled waste management to relevant staff 	
Minor NCR: IAM02/ 2019	<p>Indicator 3.4.2 - Availability of appropriate mechanisms and fair and equitable compensation for the commercial utilization of traditional forest-related knowledge and practices of indigenous peoples in accordance with existing legislation or by mutual agreement</p> <p>Finding: Procedure for fair and equitable compensation related with traditional knowledge and practices of local communities was not available</p> <p>Objective evidence: Procedure on fair and equitable compensation related with traditional knowledge and practices of local communities in accordance with existing legislation or by mutual agreement was not available.</p>	<p>Result of investigation and determination of root cause:</p> <ul style="list-style-type: none"> Because of the absence of any local community residing within the FMU, it was mistakenly believed that this requirement does not apply to Melatai Para FMU. The root cause was misinterpretation of indicator 3.4.2 <p>Correction and Corrective action plan including completion date:</p> <ul style="list-style-type: none"> A Procedure for handling local community claims for compensation related to their traditional knowledge and practices will be drawn up with the help of Sarawak Forestry Corporation. 	<p>The Corrective action plan has been accepted and the effectiveness of the action taken to be verified during the next audit.</p> <p><u>Status of NCR:</u> Corrective actions accepted but NCR still outstanding.</p>
Minor NCR: ANS04/ 2019	<p>Indicator 7.3.1 - Availability of facilities and programs for training of forest workers for proper implementation of the forest management plan.</p> <p>Finding: The programs for training of forest workers for proper implementation of the forest management plan</p> <p>Objective evidence: Training proposal for the year 2019 (internal and external) and Summary List of Training/Seminar for Melatai Para</p>	<p>Result of investigation and determination of root cause:</p> <ul style="list-style-type: none"> Inadequate planning and documentation of training plans and activities at the FMU <p>Correction and Corrective action plan including completion date:</p> <ul style="list-style-type: none"> To study key training needs of the FMU at next Management Review Meeting and to come up with proper Annual Training Program for 2019 (ATP 2019 to be drawn 	<p>The Corrective action plan has been accepted and the effectiveness of the action taken to be verified during the next audit.</p> <p><u>Status of NCR:</u> Corrective actions accepted but NCR still outstanding.</p>

	<p>T/3343 did not include the following courses:</p> <ol style="list-style-type: none"> 6. Awareness of MC&I (Natural Forest) 7. PSP establishment and monitoring 8. HCVF / Flora / Fauna monitoring and awareness 9. Scheduled Waste and Chemical Handling 10. Post-Harvest Assessment 	<p>up to include omissions stated in NCR)</p> <ul style="list-style-type: none"> • To improve documentation of all internal and external training activities of the FMU • To appoint Training Officer to assist FMU in planning and documentation training activities 	
<p>Minor NCR: KN01/ 2019</p>	<p>Indicator 8.1.2 - Forest managers shall 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.</p> <p>Finding: The procedures to monitor social, ecological, environmental and economic impacts were not sufficient</p> <p>Objective evidence: Procedures to monitor social, ecological, environmental and economic impacts for forest management operations as in “Draft Proposal for Procedures to Monitor on Environmental & Ecological impacts caused by logging in FMU” was not sufficient.</p>	<p>Result of investigation and determination of root cause:</p> <ul style="list-style-type: none"> • Misinterpretation of actual requirements under MC&I <p>Correction and Corrective action plan including completion date:</p> <ul style="list-style-type: none"> • To formulate monitoring procedures conforming to standard requirements whereby impacts assessments are regularly reported for management review and acted upon as appropriate 	<p>The Corrective action plan has been accepted and the effectiveness of the action taken to be verified during the next audit.</p> <p><u>Status of NCR:</u> Corrective actions accepted but NCR still outstanding.</p>
<p>Minor NCR: ANS02/ 2019</p>	<p>Indicator 8.2.1 - Forest managers shall 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>Result of investigation and determination of root cause:</p> <ul style="list-style-type: none"> • Lapses in establishment work done which was outsourced to external contractor • Lack of internal expertise and experience on PSP establishment and monitoring 	<p>The Corrective action plan has been accepted and the effectiveness of the action taken to be verified during the next audit.</p> <p><u>Status of NCR:</u> Corrective actions accepted but NCR still outstanding.</p>

	<p>Finding: The establishment and monitoring of Permanent Sample Plots were not satisfactory</p> <p>Objective evidence: During the site inspection of Permanent Sample Plots, it was found;</p> <p>3. PSP No 11A/1 at Coupe 12; a. The compass bearing of the plot baseline was 180° instead of 200°, hence, not following specification stated in the field data sheet for <i>re-assessment of tree species</i>.</p> <p>4. PSP No.5A/3 at Coupe 10; a. The boundaries of the quadrants in the plot were not demarcated hence, causing the quadrants to overlap with each other.</p>	<p>Correction and Corrective action plan including completion date:</p> <ul style="list-style-type: none"> • To carry out rectification of establishment mistakes as necessary; <ul style="list-style-type: none"> ○ For PSP11A/1 at Coupe 12: to reconfirm the compass reading of the plot baseline on the ground and reconcile/rectify to ensure it tallies with the reading on the data sheet ○ For PSP No.5A/3 at Coupe 10: to use PVC pipe as poles at the 4 corners of the plot, raffia string as boundary markings and flagging/ribbon to mark each quadrant within the plot • To train chief surveyor and 2 Conservation Officers on the proper PSP establishment methodologies and thereafter, to internally train other surveyor and staff 	
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