

PUBLIC SUMMARY SURVEILLANCE 1 AUDIT (4th CYCLE) ON TERENGGANU FOREST MANAGEMENT UNIT FOR FOREST MANAGEMENT CERTIFICATION

Certificate Number: FMC 00115
Date of First Certification: 1st April 2010
Audit Date: 22nd – 25th September 2019
Date of Public Summary: 29th December 2019

Certification Body:

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TABLE OF CONTENTS

1	EXECUTIVE SUMMARY	3
2	INTRODUCTION	
2.1	Name of FMU	
2.2	Contact Person and Address	
2.3 2.4	General Background on the Terengganu FMU	
2.4	Date First CertifiedLocation of the FMU	
2.6	Forest Management System	
2.7	Annual Allowable Cut/Annual Harvest under the Forest Management Plan	
2.8	Environmental and Socioeconomic Context	
3	AUDIT PROCESS	5
3.1	Audit Dates	5
3.2	Audit Team	_
3.3	Standard Used	
3.4	Stakeholder Consultations	
3.5	Audit Process	6
1 (SUMMARY OF AUDIT FINDINGS	6
4 (SUMINART OF AUDIT FINDINGS	0
<u>Attac</u>	<u>chment</u>	
Мар	of Terengganu FMU	14
Expe	riences and Qualifications of Audit Team Members	15
	ments Received from Stakeholders and Responses by Audit Team LeaderLeader	
	eillance 1 Audit Plan	
	ils on NCRs and OFIs Raised During this Surveillance 1 Audit and Corrective Actions Taken	
Corre	ective Actions Taken and Final Status on NCRs and OFIs Raised During Previous Audit	24

1 EXECUTIVE SUMMARY

This surveillance 1 audit on the Terengganu Forest Management Unit (hereafter referred as the (Terengganu FMU) was conducted on $22^{nd} - 25^{th}$ September 2019 to assess the continued compliance of the overall forest management system of the Terengganu 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 Peninsular Malaysia. The scope of this surveillance 1 audit was limited to the forest management system and practices on the Permanent Reserved Forest (PRF) within the Terengganu FMU.

This surveillance 1 audit was conducted by a 3-member team comprising of 1. Mohd Razman Salim (Lead Auditor), 2. Khairul Najwan Ahmad Jahari (Auditor) 3.Dr Zahid Emby (Auditor).

Based on the findings of this surveillance 1 audit, it was found that Terengganu FMU had continued to comply with the requirements of the MC&I (Natural Forest). This surveillance 1 audit had resulted in the issuance of three (3) minor Non-Conformity Reports (NCRs.

This public summary contains the general information on the Terengganu FMU, the findings of the surveillance 1 audit, NCRs raised as well as the decision on the continued certification of the FMU.

2 INTRODUCTION

2.1 Name of FMU

Terengganu Forest Management Unit

2.2 Contact Person and Address

Name : Hj. Wan Abdul Hamid Shukri Bin Wan Abdul

Rahman

Designation : Deputy Director,

Terengganu State Forestry Department

Address : Level 8, Wisma Negeri,

20200 Kuala Terengganu,

Terengganu

Phone : 09 6222 444 Fax : 09 6236 552

Email : wanamid@forestry.gov.my

2.3 General Background on the Terengganu FMU

The Terengganu FMU is managed by the Terengganu State Forestry Department (TSFD). The TSFD is committed in the management of the FMU on a sustainable basis. The administration of the FMU is divided into (number) forest districts namely the Terengganu Utara, Terengganu Selatan, and Terengganu Barat Forest Districts.

The inland forest is managed under a Selective Management System (SMS) on a 25 to 30-year rotation period. Under the Eleventh Malaysia Plan (2016-2020), the Annual Allowable Cut (AAC) for the Terengganu FMU had been set at 31,940 ha. (6388 ha/year). A Forest Management Plan (FMP) covering the period from 2016 to 2025 had been presented during the audit.

The Terengganu Forest Management Unit (FMU) consists of 540,308.80 ha of permanent reserved forest (PRF) as of 31 December 2018 (Table 2). The changes of current certified area as compared to the actual total PRFs area in 2016 (544,883.38 ha) was due to degazettement of 2,937.18 ha in 2017 and 2,102.20 ha in 2018 including new gazettement of 464.80 ha in 2017.

The PRFs within the FMU comprise mainly of inland Dipterocarp forests covering an area of 509,508.15 ha with the remaining PRFs covering 25,931.10 ha of peat swamp forests and 1,036.55 ha of mangrove forests. There was also a forest plantation in the certified area covering of 3,833 ha (established before 1 July 2012).

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

2.4 Date First Certified

1st April 2010

2.5 Location of the FMU

The FMU is located within 3° 52' 51.1" to 5° 50' 45.5" N and 102° 32' 09.3" to 103° 18' 39.7" E.

2.6 Forest Management System

The FMU had followed the principles of sustainable forest management (SFM) and the requirements of the Licence Agreement of the State government. A Forest Management Plan (FMP) 2016 to 2025 was presented during this audit.

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

For the Eleventh Malaysia Plan (2016-2020), the annual allowable cut (AAC) for the FMU had been set at 6,388.00 ha/year or 31940 ha. During this surveillance 1 audit, the size of the FMU is 540,308.80 ha.

2.8 Environmental and Socioeconomic Context

A Macro Environmental Impact Assessment (MEIA) of Forest Harvesting for Terengganu FMU dated 18 November 2009 was made available to the auditor. Impacts from logging operations, mitigation measures and measures for monitoring impacts were described based on activities i.e. Pre-Harvest, Forest Harvesting operation and Post Harvesting operation. Chapter 8 of the MEIA describes the prescription on monitoring activities. The report also contained a list of endangered, rare and threatened (ERT) species found in the FMU. Measures to mitigate impact of forestry operations on ERT were also mentioned in the Mid Term Review of the previous FMP (2011-2015). Recommendations from the MEIA report were also incorporated in the Mid Term Review of the previous FMP (2011 -2015). In the Central Forest Spine (CFS) Programme, several biological corridors were planned within the Terengganu FMU to conserve habitat and facilitate wildlife movement.

There are no indigenous people reserves in the FMU. They live outside the Terengganu FMU (i.e in stateland). The customary rights of the Orang Asli were respected in forest management planning and implementation, as verified during this audit, there was no land claims on certified PRF areas. TSFD had carried out impact assessments (social, environmental, economic) of the surrounding areas prior to, during and after harvesting and in the PRFs adjacent to local and indigenous communities and actions were taken to prevent or mitigate adverse impacts.

3 AUDIT PROCESS

3.1 Audit Dates

22-25 September 2019 / 12 auditor day(s)

3.2 Audit Team

- 1. Mohd Razman Salim (Lead Auditor)
- 2. Khairul Najwan Ahmad Jahari (Auditor)
- 3. Dr Zahid Emby (Auditor)

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

3.3 Standard Used

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

3.4 Stakeholder Consultations

A one-month stakeholder consultation was conducted beginning August 2019 to solicit feedback from stakeholders on the compliance of the Terengganu FMU against the requirements of the MC&I (Natural Forest). The comments by the stakeholders and responses by the audit team are shown in **Attachment 3**.

3.5 Audit Process

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

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: SQAS/MSC/FOR/30-27a Issue 1 Rev 0 Page 6 of 33 (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.

Audit team had also conducted a stakeholder consultation with Kesatuan Pegawai-Pegawai Hutan Melayu Semenanjung (KPHMSM) and local communities from MPKK Durian Mas, Kg. Jongok, Kg. Shukor, MPKK Kg. Gerdong, MPKK Sg. Sayap and MPKK Keruak during audit.

The coverage of this surveillance 1 audit is as shown in the surveillance 1 Audit Plan in Attachment 4.

The Terengganu SFD had sent a corrective action plan to the audit team to address the minor NCRs which the audit team had reviewed and accepted them. The audit team had prepared an interim surveillance 1 audit report and sent it to the TSFD for comment. A final audit report which had incorporated the comments received from the TSFD was then prepared.

4 SUMMARY OF AUDIT FINDINGS

Based on the findings of this surveillance 1 audit, it was found that the TSFD had continued to manage the TFMU in compliance with most of the requirements of the MC&I (Natural Forest). This surveillance 1 audit had resulted in the issuance of three (3) minor NCRs. The details on the NCRs raised are shown in **Attachment 5.**

The audit team had reviewed and accepted the TSFD's proposed corrective actions to address the three (3) minor NCRs. However, these corrective actions shall be verified by the audit team during the next audit.

The audit team had also verified on the corrective actions taken by the TSFD to address the two (2) Minor NCRs and four (4) Observation for Improvements (OFIs) which were raised during the previous audit. The responses made by the audit team leader on these corrective actions and on the final status of the NCRs and OFIs are as in **Attachment 6**.

On indigenous peoples' rights, there were mechanisms in place to resolve disputes over tenure and use rights through meetings held with the Department of Orang Asli Development or Jabatan Kemajuan Orang Asli (JAKOA). It was observed that there was no recorded civil court case pertaining to legal or customary tenure or use rights filed against the TSFD.

Regarding Criterion 6.10, the PRF was degazetted involving a total area of 5039.38 ha to forest plantations or other non-forest land uses. Nevertheless, a new gazettement (464.80 ha) had also occurred during the intervening period since the last audit. The PRF in the Terengganu FMU has therefore decreased in size from 544,883.38 ha to 540,308.80 ha.

As the corrective actions to the minor NCRs have been accepted by the audit team, the Audit Team recommends that forest management certification (FMC) of Terengganu State Forestry Department - Terengganu FMU against the MC&I (Natural Forest) be issued with an FMC certificate of SIRIM QAS.

The summary on the findings of the Surveillance 1 audit on the Terengganu FMU against the requirements of the MC&I (Natural Forest) are as follows:

Principle	Stranathe	Wasknesses
Principle 1	Strengths The TSFD had continued to maintain records of all	Weaknesses There were no negative findings
Compliance With Laws and Principles	the relevant national and local laws, regulations and policies related to forest management. Copies of all these relevant laws, policies and regulations stipulated in the MC&I (Natural Forest) fundamental for the FMU management was made available at the Head office of the State Forestry Department at Kuala Terengganu and were accessible to all staff.	There were no negative inidings
	The forest managers of various units were found to have good knowledge of relevant laws related to state and federal laws, procedures, policies and regulation with regards to forest management operation including the binding international agreements.	
	Control of encroachment, illegal harvesting, hunting, and settlement and other unauthorised activities in the FMU were found adequate. Signboards such as PRF, licensee's signage, boundary and demarcation of buffer zone were available.	
	TSFD commitment towards MC&I was translated into a policy statement which made available at the office and website at http://trgforestry.terengganu.gov.my/index.php?opt ion=com_content&view=article&id=60&Itemid=311 &I ng=my	
	No conflicts were identified between laws, regulations, and auditing standard since last audit.	
	Relevant policies were effectively communicated throughout the organization based on the interviews session with the staff in the headquarter and district offices. This includes safety and environment policy which was also displayed at the logging camp.	
Principle 2 Tenure and Use Rights and Responsibilities	The documentation of legal status and established forest use rights of the land or forest resources within the relevant federal, state and local laws was available, documented and controlled accordingly. Latest gazettement of the new PRFs was recorded in "Borang UH-2: Maklumat Pewartaan Hutan Simpan Kekal Sehingga 30 Sept 2017".	There were no negative findings
	There was no record found of any legally recognized land claims from Orang Asli or local communities over land situated within the PRF.	
	Forest managers had expressed their willingness to recognize, respect and collaborate with holders of duly recognized legal or customary tenure or use rights in forest activities that may affect such	

Principle	Strengths	Weaknesses
	rights. TSFD had recognised and had allowed indigenous people to collect minor forest products for their daily consumption or conserve any cultural/religious sites if present. Water catchment areas and water supply sites for local communities were not disturbed.	
	Various mechanisms were established by TSFD for resolving disputes over tenure and use rights although dispute over tenure and use rights of PRFs in Terengganu was never been occurred since the PRF is owned by the state government.	
Principle 3 Indigenous People's Rights	The customary use rights of the Orang Asli within the PRF were respected in forest management planning and implementation in accordance to the Aboriginal Peoples Act 1954. There had been no cases of forest operations carried out by the Forestry Department or logging contractors in aboriginal reserves or areas gazzetted under the Aboriginal Peoples Act 1954. There was no indigenous people's land inside the TSFD certified area.	There were no negative findings
	Various mechanisms were established by TSFD for resolving disputes over tenure and use rights relevant to indigenous people's right. This includes the Majlis Bersama JAKOA-JPSM (Department of Orang Asli Development – Peninsular Malaysia Forestry Department Consultative Council) and Form E/SIA for monitoring disputes, grievances and complaints emanating from local and Orang Asli communities (conducted before, during and after logging operation) as well as Borang Makluman Aduan Pelanggan (Customers' Complaint Form) which made accessible to the public.	
	Appropriate procedures for identification and protection of sites of special cultural, ecological, economic or religious significance to the Orang Asli had been established.	
	An improved mechanism in the form of a flow chart entitled "Mekanisma Bayaran Pampasan Kepada Hak Pengetahuan Tradisi Orang Asli yang Dikomersilkan oleh Jabatan Perhutanan" (Mechanism for Payment of Compensation to the Rights of Orang Asli Traditional Knowledge Commercialised by the Forestry Department) was established.	
Principle 4 Community Relations and Workers' Rights	Training facilities are available at the TSFD's Training Center located in Chalok and Hulu Terengganu (Pusat Latihan Perhutanan Chalok and Pusat Latihan Perhutanan Terengganu) for the employees and logging contractors as well as their workers.	There were no negative findings
	There were records to confirm that people in communities living within, or adjacent to, the FMU	

Principle	Strengths	Weaknesses
	were given preference for employment and contract works.	
	Up-to date information on all applicable laws and regulations covering occupational safety and health of forest workers had been disseminated to the forest workers.	
	The TSFD had communicated to the TSFD's staff and contractors' workers of their rights to freely organise into union of their own choice. There were provisions for the TSFD's staff to organise and undertake collective bargaining.	
	All grievances raised by TSFD employees were brought to and resolved in the Majlis Bersama Jabatan or MBJ (Departmental Consultative Council) which was made up of representatives of various categories of employees and union representatives.	
	Social impact of forest operations on indigenous and local communities were evaluated through several ways including consultations with the community leaders/members using Form E (Social Impact Assessment Form). The data collected were analysed to identify potential impacts prior to harvesting, during harvesting and after harvesting where actions were taken to prevent or mitigate the impact. The results were then incorporated into the planning and management of the TSFD's FMU.	
	There were sufficient regulations and provisions within relevant federal, state and local legal frameworks to prevent loss or damage affecting the local people's legal or customary rights, property, resources, or their livelihoods, caused by forest operations	
Principle 5 Benefits From the Forest	Investments and reinvestments have been made in forest management by TSFD in 2019. This was evident by the sighted report on expenditures for infrastructure/ building maintenance, recreation areas improvements and for staff salary and remuneration.	There were no negative findings
	Pre-F inventory was conducted according to the SMS requirements at the intensity of 10% with a view to collect the relevant information of the forest composition and physiography for the implementation of the SMS. For year 2019, the FMU had conducted pre-felling inventories for 4 compartments of various forest reserve which covered 821 ha.	
	Post-F inventory practice was conducted within the logged-over forest with the objective to collect data and information pertaining to the forest composition, to be utilized for assessing status of	

Principle	Strengths	Weaknesses
	such logged-over forest. Data collected was used for determining the silviculture practices such as enrichment planting, climbers cutting, etc. for the area. For year 2019, the FMU had conducted post-felling inventories for 7 compartments of various forest reserve which covered 875 ha. To encourage the optimal use of forest resources,	
	the TSFD had included the non-timber forest products (NTFPs) in one of its development programmes aimed at collating data for the management of these resources.	
	To minimise damage on residual stand, Terengganu FMU had implemented the Guidelines of Reduce Impact Logging in Peninsular Malaysia 2003, Guidelines for Forest Roads 2010 (Amendment 2013) and Forest Harvesting Plan.	
	A ceiling was imposed to control volume extraction where 85 m3/ha was set for primary forests (tagged tree after Pre-F inventory analysis) and net at 61 m3/ha for subsequent rotations of secondary forests to fully utilize of timber resources with minimal wastages. In addition, a proper felling direction was applied to reduce damage of trees stand around buffer zones, mother trees and protected trees. Training on Reduced Impact Logging (i) directional felling, (ii) tree tagging and directional felling courses were conducted on 16-17 January 2019 for both staff and contractor's employees.	
	Areas exceeding 1,000 meters above sea level or with slopes of more than 40 degrees were excluded from logging, demarcated and mapped as protection forests.	
	The demarcation and management of riparian buffers in the FMU had further ensured protection of waterways from soil erosion especially during harvesting operations.	
	Harvesting rates in Terengganu FMU were determined by the annual allowable cut (AAC) set in the FMP and in the 11th Malaysia Plan for the amount of 6,388 ha a year or a total of 31,940 ha over the five-year duration as stated in the plan (2016-2020).	

Principle 6 Environmental Impact

A Macro Environmental Impact Assessment (MEIA) of Forest Harvesting for Terengganu FMU dated 18/11/2009 is available where potential impacts and mitigation measures were described. Measures to mitigate impact of forestry operations on ERT were also mentioned in the Mid Term Review of the current FMP (2016-2025). Recommendations from the MEIA report were also incorporated in the Mid Term Review of the current FMP (2016 -2025).

The TSFD is an important and active member of the Central Forest Spine (CFS) Programme and working committee of the CFS implementation (Jawatankuasa Kerja CFS). In the Central Forest Spine (CFS) Programme, several biological corridors were planned within the Terengganu FMU to conserve wildlife movement and habitats. Many of the major wildlife corridors, or Primary Links, identified as the major corridors were in the Terengganu FMU.

Guidelines to identify and protect ERT species of forest flora and fauna, were in place and were described in the mid-term review of the Terengganu FMP (2016-2025) as well as in the MEIA report for Terengganu FMU (2009).

The TSFD had established collaboration with PERHILITAN on the conservation of wildlife in Terengganu FMU. PERHILITAN was invited to give a briefing (taklimat lesen) to licensee, contractor and forest workers on prohibition of inappropriate activities with regards to fauna. PERHILITAN and TSFD had been cooperated in monitoring, CFS programme, viaduct project and training activities since 2015. The PERHILITAN officers will be informed on any approval of the new licensee particularly for areas that sharing a common boundary with the Wildlife Reserve. Posters of ERT and "No hunting" was posted at the District Forest and Ranger Offices as well as at the logging camps.

Terengganu FMU has in total 12 VJRs that covered a total of 4,055.61 ha. VJR represents undisturbed natural forests ecosystems.

Harvesting operations in the FMU were conducted based on the requirements of the Guidelines for Reduced Impact Logging in Peninsular Malaysia 2003 and the Forest Road Guidelines 2010 (Amended 2013) to reduce soil compaction.

Standard operating procedures on waste disposal and re-cycling of liquid and solid non-organic wastes titled Standard Operation Procedure (SOP) "Bagi Pelupusan Sisa Pepejal Dan Cecair Bukan Organik Berdasarkan Keperluan Kualiti Alam Sekitar" was available and displayed at the FMU's office and at visited active harvesting licensed areas.

Construction of cross drain and side drain did not comply with Garis Panduan Jalan Hutan 2010 Lesen Mengambil Hasil and Hutan (Borang 1) 11.0 Pembinaan Jalan, Jambatan Dan Pembentona verified as Compt. 17, Besul PFR (TS-01-23-18(P)) and Compt 93 (Blok B) Petuang PFR (TB-01-15-19):

- Retaining wall and silt trap were not constructed for cross drain at feeder road (JT3) in Phase 1 at Compt. 17, Besul PFR (TS-01-23-18(P)). Construction of the cross drain had resulted in soil flowing direct into the waterway.
- Construction of side drain and sump were not sufficient along feeder road at Jalan Tuju 7 & 11 to Matau 51 at Compt 93 (Blok B) Petuang PFR (TB-01-15-19).

Therefore, a Minor NCR MRS 01/ 2019 (SA1) for Indicator 6.5.3 was raised.

Visit to harvesting area at Compartment 17, Besul PRF (TS-01-23-18 (P)) and Compartment 65, Pelagat PRF (TU-01-03-19) found that:

- The buffer zone at feeder road (JT1) in Compartment 65, Pelagat PRF (TU-01-03-19) was damaged by residues of fallen trees. Construction of feeder road that crosses buffer-zone had also resulted in severe siltation with soil runoff into the buffer zone and the river.
- Visit to active logging site in Compartment 17, Besul PRF (TS-01-23-18 (P)) found the buffer-zone at feeder road (JT12) was encroached by bulldozer and damaged by residues of fallen trees
- There was no specific planning or monitoring by a competent forest engineer or consultant engineer in sensitive areas (high elevations range 500 to 800m a.s.l.) such as sandy soil

	No HCVF areas were converted to other forest land use.	or drainage requirement. This will result in severe siltation and soil run-off during forest harvesting. The implementation of guidelines for conservation of buffer strips along streams and rivers were not adhered to, since no competent person to review the on suitable road design on difficult terrains. Therefore, a Minor NCR KN01/2019 (SA1) for Indicator 6.5.4 was raised.
Principle 7 Management Plan	The Terengganu FMU Forest Management Plan (2016-2025) contains eight chapters following the standard FMP of Forestry. Department of Peninsular Malaysia. TSFD had continuously collected new information to be incorporated in the revision and mid-term review of the FMP scheduled in 2020. TSFD has adequate training facilities for staff and Forest Contractor's staff in the main campus at Training Centre Chalok and Pusat Latihan Perhutanan Hulu Terengganu. A summary of primary elements of FMP is available in the TSFD official website http://trgforestry.terengganu.gov.my/index.php?option=com_content&view=article&id=365&Itemid=262&Iang=my and available to the public.	There were no negative findings
Principle 8 Monitoring and Assessment	The TSFD had continued to use the monitoring forms A – D, [A: Infrastructure, B: Forest Harvesting, C: Environment, D: Output] for assessing social, ecological, environmental and economic impacts of forest operations. Two computerized systems were used; SIMP (Sistem Integrasi Maklumat Perhutanan) and T-ifms (Sistem Maklumat Pengurusan Hutan Bersepadu) to keep track on all activities, inventories data, information on forest yield and payments received related to management of the FMU. The TSFD management has appropriately included all relevant information needed to monitor items listed in (a) to (e) of Criterion 8.2. Growth plots which had been established in the FMU were enumerated on a regular basis by the staff from the Forestry Department Headquarters Peninsular Malaysia in Kuala Lumpur with the assistance of TSFD. Changes on the composition of flora in the Terengganu FMU were monitored through growth and VJR/ecology plots. TSFD works closely with PERHILITAN and Forest Research Institute of Malaysia (FRIM) for data and information collection.	

Macro EIA which was conducted prior to the logging operation in the FMU has outlined several mitigation measures to reduce the impact to the environment. A Standard Operating Procedure on *Pengawalan Pengusahahasilan Hutan* (Monitoring of Forest Production Activities) and the implementation of RIL were to minimize the impact of logging operations on the environment.

A financial status of TSFD is published annually and publicly available at http://trgforestry.terengganu.gov.my/index.php?optio n=com_content&view=article&id=268&Itemid=386&I ang=my

All logs transported out of the forest in the FMU will be issued with a delivery order prepared by the logging contractor where the tree number, species, log production number, log length, diameter, and net volume are documented.

The Removal Pass is a controlled legal document, the issuance of which is assigned only to a designated Forester. The logs are only allowed to be transported out of the FMU when a Removal Pass has been issued.

Summary of the results of the monitoring indicators, including those listed in Criterion 8.2 is available online

http://trgforestry.terengganu.gov.my/index.php?option =com_content&view=category&id=11&Itemid=252&Ia ng=my

Principle 9 Maintenance of High Conservation Values

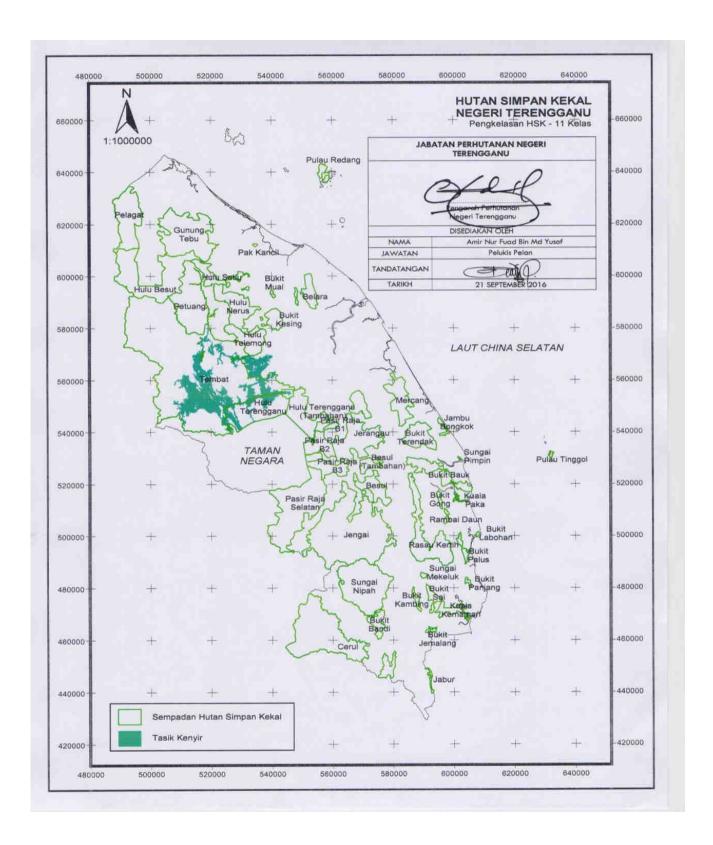
Determination on the presence of HCV attributes in Terengganu FMU is guided by the document issued by the Forestry Department Peninsular Malaysia (FDPM) entitled "Panduan Penentuan, Penubuhan dan Pengurusan Kawasan Hutan Mempunyai Nilai Pemeliharaan Yang Tinggi (HCVF) Dalam Hutan Simpanan Kekal (HSK) Di Semenanjung Malaysia". The Forest Management Plan (2016-2025) of TSFD had clearly described the selection of HCVF areas was based on previous records of flora and fauna, scientific expeditions, and research

Measures to demarcate, maintain and/or enhance the HCVF attributes were documented in the FMP (2016- 2025). The summary of the management plan for HCV areas is publicly available at: http://trgforestry.terengganu.gov.my/index.php?optio n=com_content&view=article&id=365&Itemid=262&I ang=my

Periodic monitoring was conducted to assess the effectiveness of the measures employed to maintain or enhance the applicable conservation attributes in the HCVFs.

During this Surveillance 1 Audit, audit team has found that the FMU yet to conduct stakeholder's consultation on HCVFs area for year 2019 although an OFI had been raised on Indicator 9.2.1 during Recertification Audit in January 2019. Due to the recurrence of the same issue, the previous OFI for Indicator 9.2.1 was upgraded to a Minor NCR KN02/2019 (SA1) for the same indicator.

Map of Terengganu FMU



Experiences and Qualifications of Audit Team Members

Assessment Team	Role/Area of MC&I Requirement	Qualification and Experience	
Mohd Razman	Lead Auditor/	Academic Qualification:	
Salim	Forester	B.Sc of Forestry (Forest Production), University Putra Malaysia.	
		Work Experience: Five years experienced as Research Officer at the Forest Research Institute Malaysia (FRIM) since 2007 in a various area such as ecological research for lowland and hill dipterocarp forest, Geographic Information Systems, forest inventories, forest harvesting and forest management system (SMS). Participate in organizing committee member, division level activities and projects. Coordinate and collaborate a long term ecological plot and inventory data about 25 years at the Pasoh, Negeri Sembilan with Negeri Sembilan Forestry Department, universities (local & international) and NGOs. Published and presented research findings at the seminars and conferences. Currently as Auditor at the Food, Agriculture and Forestry Section (FAF), SIRIM QAS International Sdn Bhd, since 2013. Involved in conducting assessments on forest management certification MC&I (Natural Forest) & MC&I (Plantations), MYNI of RSPO P&C and other management systems on ISO 9001, 14001 and OHSA 18001	
		 Training / Research Areas: Lead Assessor Course on Malaysian Criteria and Indicators for Forest Management Certification MC&I (Natural Forest)] & MC&I (Plantations) organized by MTCC, 1- 4 December 2013. QMS 9001: 2008 Lead Auditor Course organized by SIRIM Training Services Sdn Bhd, 4-8 March 2013. OHSAS 18001: 2007 Lead Auditor Course organized by SIRIM Training Services Sdn Bhd, 11-15 March 2013. EMS 14001: 2004 Lead Auditor Course organized by SIRIM Training Services Sdn Bhd, 18-22 March 2013. 	
Khairul Najwan Ahmad Jahari	Auditor / Forester	Academic Qualification: B.Sc. of Forestry (Forest Management), Universiti Putra Malaysia. Work Experience: Appointed as contract Research Officer in the Natural Fore Division, Forest Research Institute of Malaysia (FRIM), since 200° Conduct and coordinate a research on 8th Malaysian Plan Project Produce technical reports, meeting, seminar and conference reports as well as quarterly physical and financial report Coordinate and participate field works, multi-level meeting seminars, conferences and workshops. Spent some time in othe existing FRIM projects (inter divisional) as an organizing committee member, division level activities and projects. Currently as Lea Auditor at the Food, Agriculture and Forestry Section (FAF), SIRII QAS International, since 2009. Involved in conducting assessment	

		on forest management certification (MC&I and FSC P&C), MYNI of RSPO P&C and other management system on ISO 9001, 14001 and OHSA 1800 Training / Research Areas: 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.
Dr. Zahid Emby	Auditor / workers & community issues and related legal issues	 1977- 1992 – Lecturer, Department of Social Sciences, Faculty of Educational Services, Universiti Pertanian Malaysia Head, August 1992 – 1994, Department of Social Development Studies, Universiti Pertanian Malaysia August 1, 1998 -2001. Reappointed as Head of the renamed Department of Social and Development Science for a three year term Head, Department of Music from October 2003 until his retirement on December 17, 2006 Spent some time as a visiting scholar at University of Hull, U.K. and Victoria University of Wellington, New Zealand. Freelance consultant on social issues

Attachment 3

Comments Received from Stakeholders and Responses by Audit Team Leader

No.	o. Stakeholder Comments/Issues Raised		Response by Audit Team
1	Pengerusi MPKK Kg. Gerdong	Untuk menjaga dan pengawasan hutan di sekitar Bukit Kapal yang menjadi tarikan pelancong, perlu diadakan palang gate di pintu masuk ke Bukit Kapal, ini memudahkan kawal selia dan pemantauan.	Palang gate di pintu masuk Hutan Simpanan Kekal (HSK) akan dibina pada tahun 20202 menggunakan peruntukan Kumpulan Wang Pembangunan Hutan di bawah Teras 10: Program Infrastruktur dan Peralatan (projek Penyelnggaraan dan baik pulih infrastruktur di bawah pentadbiran Pejabat Hutan Daerah Terengganu Barat).
2	Pengerusi MPKK Kampung Syukor	Saya menyokong pemantauan daripada pihak SIRIM untuk memastikan pengurusan hutan secara sistematik dan mengekalkan kepelbagaian biologi dan alam sekitar	Noted. The annual audit on forest management will be conducted to monitor and minimize damage on forest ecosystem and environment.
3	Pengerusi MPKK Kampung Sekayu	Hadkan pembalakan yang melibatkan sungai dan anak sungai kerana ia menyebabkan faktor sungai tercemar dan cetek disebabkan penurunan pasir dari tanah bukit yang di tarah. Faktor ini menyebabkan air sungai cetek dan memberi kesan terhadap ekologi sungai dan bekalan air di masa akan dating. Contoh sungai yang mengalami penyusutan paras air yang amat ketara. Pohon ambil perhatian.	The FMU has implemented the guidelines to establish and protect stream and any waterways including water catchment area. Gazettement of permanent forest reserve as state park, wildlife reserve, forest area above 1,000 m above sea level, etc. are among the effort from the FMU to conserve these protected area.

Surveillance 1 Audit Plan

		PROGRAM		
DAY	TIME	AUDITOR 1	AUDITOR 2	AUDITOR 3
		(Razman)	(Najwan)	(Dr. Zahid)
Saturday (21/09/2019)		 Travel from Kuala Lumpur to Kuala Terengganu (MH1338 : 1900 – 1955) Audit team stay at Paya Bunga Hotel Briefing by Audit Team Leader on the audit plan 		
Day 1 Sunday (22/09/2019)	8.30 am – 12.30 pm			ne FMU at enhancing the and follow-up actions with uring the previous audit
	2.00 – 5.30 pm	•	AUDITOR 2 (Najwan) Documentation and records review Principle 1 — Compliance with Laws and Principles Principles Principle 7 — Management Plan Principle 8 — Monitoring and Assessment Principle 9 — Maintenance of High Conservation Value Forests	
		Auditor 2 (Najwa	an) overnight in Kuala Tere (Razman & Dr Zahid) over	ngganu

Day 2 Monday	7.00 am – 8.00 pm	AUDITOR 1 (Razman)	AUDITOR 2 (Najwan)	AUDITOR 3 (Dr. Zahid)
(23/09/2019)		Terengganu Selatan	Terengganu Utara	Terengganu Selatan
		Inspection of active harvesting area (RIL technique)	Visit to Chalok Nursery on chemical handling	Documentation review at District Forest Office
		1.Compt. 17, HSK Besul (IFM Research Project) 2.Compt. 18, HSK Besul (RIL technique)	Document review, interviews and inspection at KPMY Roof Builders Sdn Bhd	Interview with local community MPKK Durian Mas S/U MPKK Durian
		Forest Checking Station – Durian Mas	 Inspection external boundaries on Compt 54, Hulu Besut PRF Inspection of active harvesting area – Compt. 65, Pelagat PRF Forest Checking Station - Pasir Akar 	Mas 3. Kg. Jongok Batu 4. Kg. Shukor Terengganu Barat Documentation review at District Forest Office Interview with local community 1. MPKK Kg. Gerdong
		•	 2 Findings by Audit Team night in Kuala Terenggan	
Day 3 Tuesday	7.00 am – 8.00 pm	AUDITOR 1 (Razman)	AUDITOR 2 (Najwan)	AUDITOR 3 (Dr. Zahid)
(24/09/2019)		 Inspection at Ko Inspection of action (logfisher) – Cor Inspection of clock Compt. 92, Petu 	arpus Sarawakensis –	Documentation review at District Forest Office Interview with local community 1.MPKK Sg. Sayap 2.MPKK Keruak

		 Review of Day 3 Findings by Audit Team Leader All auditors overnight in Kuala Terengganu 		
Day 4 Wednesday		AUDITOR 1 (Razman)	AUDITOR 2 (Najwan)	AUDITOR 3 (Dr. Zahid)
(25/09/2019)	8.00 am – 12.30 pm	Continue documentation and records review.	Continue documentation and records review.	Continue documentation and records review
	3.00 – 5.00 pm	Closing meeting		
		*Travel to Kuala Lumpur	(MH1339; 2025 - 2130)	

Details on NCRs and OFIs Raised During this Surveillance 1 Audit and Corrective Actions Taken

Indicator	Specification	Detail Non-	Corrective Action Taken	Verification by
	Major/Minor/OFI	conformance		Assessor
Indicator 6.5.3 NCR No.: MRS 01 2019 (SA1)	Minor	Requirement: Indicator 6.5.3 - Availability and implementation of guidelines for forest road lay-out and construction, including log landings and drainage requirements. Finding: Construction of cross drain and side drain did not comply with Garis Panduan Jalan Hutan 2010 and Lesen Mengambil Hasil Hutan (Borang 1) — 11.0 Pembinaan Jalan, Jambatan Dan Pembentong. Objective evidence: 1) Retaining wall and silt trap were not constructed for cross drain at feeder road (JT3) in Phase 1 at Compt. 17, Besul PFR (TS-01-23-18(P)). Construction of the cross drain had resulted in soil flowing direct into the waterway. 2) Construction of side drain and sump were not sufficient along feeder road at Jalan Tuju 7 & 11 to Matau 51 at Compt 93 (Blok B) Petuang PFR (TB-01-15-19).	Root cause: Kurang kesedaran di kalangan pelesen/kontraktor mengenai pembinaan parit tepian, parit lencong, perangkap lumpur dan benteng penahan tebing mengikut spesifikasi Garis Panduan Jalan Hutan 2010 (Pindaan 2013). Corrective action plan: JPN Terengganu telah mengarahkan pihak pelesen/ kontraktor yang terlibat untuk mengambil tindakan pembaikian ke atas struktur yang terlibat dan tindakan telah dilaksanakan. JPN Terengganu akan terus memohon pengisian jawatan Jurutera Awam Hutan (J41) yang masih kosong kepada Pejabata Setiausaha Kerajaan Terengganu serta meneruskan latihan/kursus kepada pihak berkaitan bagi tujuan meningkatkan pematuhan pelaksanaan mengikut spesifikasi ditetapkan.	Audit team has received and accepted corrective action plan 'Pelan Tindakan Pembetulan Penemuan Audit Luar MC&I (Hutan Asli) Pada 22-25 September 2019' dated 19 December 2019 (PHNT.100/6/16/15(34))). Status: The implementation and effectiveness of corrective action plan will be verified during next audit.

Indicator 6.5.4 KN01/ 2019 (SA1)

Minor

NCR No.:

Requirement: Criterion **6.5** – Guidelines shall be prepared implemented to: - control erosion; minimise forest damage durina harvesting. road construction, and all other mechanical disturbances: and protect water resources.

Indicator 6.5.4 Availability and implementation of auidelines for conservation of buffer strips along streams and rivers

Finding: The implementation of quidelines for conservation of buffer strips along streams and rivers were not adhered to.

Objective evidence:

- 1) Inspection of active logging site Compartment 65. Pelagat PRF (TU-01-03-19), found the buffer zone at feeder (JT1) road was damaged by residues of fallen Construction trees. of feeder road that crosses buffer-zone had also resulted in severe siltation with soil run-off into the buffer zone and the river.
- 2) Visit to active logging site in Compartment 17, Besul PRF (TS-01-23-18 (P)) found the buffer-zone at feeder road (JT12) was encroached by bulldozer and damaged by residues of fallen trees

Root cause:

kesedaran di Kurang kalangan pengendali jentera pelesen mengenai kepentingan mengelak zon penampan system saliran sungai dari diganggu mengikut spesifikasi Garis Panduan Jalan Hutan 2010 (Pindaan 2013).

Corrective action plan:

Terengganu akan terus memberi perhatian serius terhadap kawasan sensitive seperti kawasan bercerun serta aliran sungai dengan mengarahkan pihak pelesen/kontraktor secara bersurat untuk mematuhi Garis Panduan ialan Hutan 2010 (Pindaan 2013). Arahan ini akan dikeluarkan di peringkat awal pembinaan jalan hutan dan infrastruktur pembalakan.

JPN Terengganu akan terus memohon pengisian jawatan Jurutera Awam Hutan (J41) yang masih kosong kepada Pejabata Setiausaha Kerajaan Terengganu serta meneruskan latihan/ kursus kepada pihak berkaitan bagi tujuan meningkatkan pematuhan pelaksanaan mengikut spesifikasi ditetapkan.

Audit team has received and accepted corrective action plan 'Pelan Tindakan Pembetulan Penemuan Audit Luar MC&I (Hutan Asli) 22-25 Pada 2019' September dated 19 December 2019 (PHNT.100/6/16/15(34

Status:

The implementation and effectiveness of corrective action plan will be verified during next audit.

		3) There was no specific planning or monitoring by a competent forest engineer or engineer consultant in sensitive areas (high elevations range 500 to 800m a.s.l.) such as sandy soil or drainage requirement. This will result in severe siltation and soil runoff during forest harvesting.		
Indicator 9.2.1 NCR No.: KN02/ 2019 (SA1)	Minor	Requirement: Indicator 9.2.1 - Forest managers shall consult with relevant stakeholders on the options to maintain or enhance the identified HCVFs. Finding: Consultation with relevant stakeholders on the options to maintain or enhance the identified HCVFs was not available. Objective evidence: The FMU yet to consult with relevant stakeholders on the options to maintain or enhance the HCVFs. (upgraded from previous OFI).	Root cause: JPN Terengganu tidak menyedari keperluan mengadakan rundingan bersama pemegang taruh secara berkala kerana tidak disyaratkan dalam dokumen Rancangan Pengurusan Kawasan Mempunyai Nilai Pemuliharaan yang Tinggi (HCVF) JPN Terengganu. JPN Terengganu akui terlepas pandang berhubung pemerhatian (observation) yang dikenakan pada surveillance yang lalu oleh pengaudit bebas. Corrective action plan: JPN Terengganu telah merancang untuk melaksanakan sesi konsultasi penubuhan HCVF bersama pemegang taruh yang dijadualkan pada 23 Disember 2019 di Pejabat Renj Kuala Berang.	Audit team has received and accepted corrective action plan and consultation letter with significant stakeholders titled 'Sesi Konsultasi Penubuhan Petak High Conservation Value Forest (HCVF) Dibawah Pensijilan Pengurusan Hutan MC&I (Hutan Asli) Jabatan Perhutanan negeri Terengganu' dated 19 December 2019 (PHNT.100/6/16/15(34)). Status: The implementation and effectiveness of corrective action plan will be verified during next audit.

Corrective Actions Taken and Final Status on NCRs and OFIs Raised During Previous Audit

Indicator	Specification Major/Minor/ OFI	Detail Non- conformance	Corrective Action Taken	Verification by Assessor
Indicator 4.2.3 NCR No.: MRS 01 2019	Major	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 place. Finding: The FMU did not to comply the Factories and Machineries Act 1967 (Steam Boiler & Unfired Pressure Vessel) Regulations, 1970 Objective evidence: During the inspection in workshop area for licence TB-01-17-18, Compt. 65, FR Petuang an air-compressor [Serial No. 0080515- RIN-NIM] was found without record and Certificate of Fitness.	The FMU has directed licensee of TB-01-17-18 to notified and get approval (certificate of fitness) from DOSH for 1-unit air compressor on 4 February 2019 with official letter — Bil. 34 dlm. PHNT.100/6/16/Bhg14.	Audit team has received certificate of fitness for air compressor for Jalur Bangga Sdn Bhd with registered no. TG PMT 80904 and valid until 20 June 2020. Status: Closed
Indicator 7.1.1 NCR No.: MN 01 2019	Minor	Requirement: Indicator 7.1.1 - Availability and implementation of Forest Management Plan Finding: The FMP yet to list out all the rare, threatened and endangered species available in FMU area Objective evidence: The FMP mentioned the list of rare and endemic species in Attachment 3 but the list is not available in the document. Moreover, the list of some endemic species was not properly written in term of their scientific names and vernacular names.	The FMU will included the ERT species in the FMP during mid-term revision in 2020 after consultation with PERHILITAN, FRIM and also refer to IUCN Redlist. The FMU also has sent a letter to PERHILITAN and FRIM for consultation dated 21 February 2019.	During this Surveillance 1 Audit, it was found the list of rare, threatened and endangered species were updated in the FMP (2016-2025). A Letter no. PHNT.4779/BHG.6(2 5) dated 5 August 2019 with the list of rare, threatened and endangered species was distributed to all District Offices. Status: Closed.

Indicator 8.1.2	Minor	Requirement: Indicator 8.1.2 - Forest managers	The FMU has directed all DFOs through official	During this Surveillance 1 Audit,
NCR		shall identify and implement appropriate	letter dated 21 February 2019 (Bil.42 dlm.	it was found Training on <i>"Kursus</i> "
No.: MRS 02		monitoring procedures, in accordance with the	PHNT.100/6/16 Bhg.14) to inform all licensee to	Pengurusan Sisa Buangan Terjadual
2019		scale and intensity of the	implement the	Jabatan Perhutanan
		forest management	Environmental Quality	Negeri Terengganu"
		operations, for assessing social,	(Scheduled Wastes) Regulations 2005 with	was conducted on 18 March 2019.
		ecological,	registered contractor	Water 2019.
		environmental and economic impacts.	with DOE.	Interviews and visit to contractors of
		·	The FMU will monitor all	Asrama Raya Sdn
		Finding : The	licensee and contractors	Bhd found the
		monitoring of storage and disposal of	on the scheduled waste management.	storage, records and disposal of scheduled
		scheduled waste was		waste was effectively
		not effectively	Training on scheduled	implemented.
		implemented by the FMU	waste management with DOE and other agencies	Consignment Note
		Objective evidence :	in March 2019.	No. T0600 dated 15 September 2019 and
		1. During site audit	DFO will briefed on	T0587 dated 14
		at Compartment 16, FR Besul	scheduled waste management to all	August 2019 showed the SW305 was
		(workshop) (TS	management to all licensee and contractors	appropriately
		01-11-18) it was	during license briefing.	recorded and
		found that: • Used oil drum		disposed by appointed SW
		with no		contractor. Records
		pictogram label		on used lubricant oil
		'Inflammable Liquids (Waste)'		"Rekod Pengurusan Sisa Berjadual
		was stored		SW305 Minyak
		 Name of waste 		Pelicir Terpakai" were
		generator, address and		also verified. Visit to Asrama Raya Sdn
		telephone		Bhd workshop found
		number was not		used oil drum with
		displayed on the used oil drum.		pictogram label 'Inflammable Liquid
		useu on urum.		(Waste)' complete
		2. The		with name of waste
		consignment note for disposal		generator, address and telephone
		of used oil		number was
		(SW305) at		displayed on the
		Compt. 65, FR Petuang (TB 01-		used oil drum.
		17-18) was not		Status: Closed.
		fill up at Section		
		1: Waste Generator.		
Indicator	OFI #1	The mechanisms for the	Not required corrective	In the current audit, a
3.4.2		commercial utilization of	action plan. Will be verify	modified flow chart
		traditional forest-related	during next audit.	with elaboration of
		knowledge and practices of indigenous peoples is		the various steps was presented to the
		stated in a one-page		auditors.
		flow chart. [See		

		Dokumen MC&I (Prinsip 3) file]. However, there was no elaboration of the various steps stated in the chart.		Status: Closed.
Indicator 4.4.1	OFI#2	It was found that Terengganu Selatan carried out social impact assessment using the assessment form Borang Soal Selidik Kajian Impak Sosial Dalam Sektor Pembalakan. However the current assessment form was not used in carrying out its social impact assessment.	Not required corrective action plan. Will be verify during next audit.	In the present audit it was found that all the districts sampled used the current assessment form (Borang Soal Selidik Kajian Impak Sosial Dalam Sektor Pembalakan) in carrying out their impact assessment. Status: Closed.
Indicator 7.3.1	OFI#3	Training program on Scheduled Waste Management yet to be included in the 'Jadual Kursus dan Latihan Jabatan Perhutanan Negeri Terengganu Tahun 2019'.	Not required corrective action plan. Will be verify during next audit.	Training on "Kursus Pengurusan Sisa Buangan Terjadual Jabatan Perhutanan Negeri Terengganu" was conducted on 18 March 2019. While for Scheduled Waste Management training will be included in the 'Jadual Kursus dan Latihan Jabatan Perhutanan Negeri Terengganu Tahun 2020'.
Indicator 9.2.1	OFI #4	The FMU yet to consult with relevant stakeholders on the options to maintain or enhance the HCVFs.	Not required corrective action plan. Will be verify during next audit.	Status: Closed. During this Surveillance 1 Audit, audit team has found that the FMU yet to conduct stakeholder's consultation on HCVFs area for year 2019 although an OFI had been raised on Indicator 9.2.1 during Recertification Audit in January 2019.
				Status: Due to the recurrence of the same issue, the previous OFI for Indicator 9.2.1 was upgraded to a Minor NCR KN02/2019 (SA1) for the same indicator.