LOG TRACKING SYSTEM (LOTS)

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11 December 2010

International Symposium on Legally Verified Wood 2010,
Tokyo, Japan

Briefing Outline

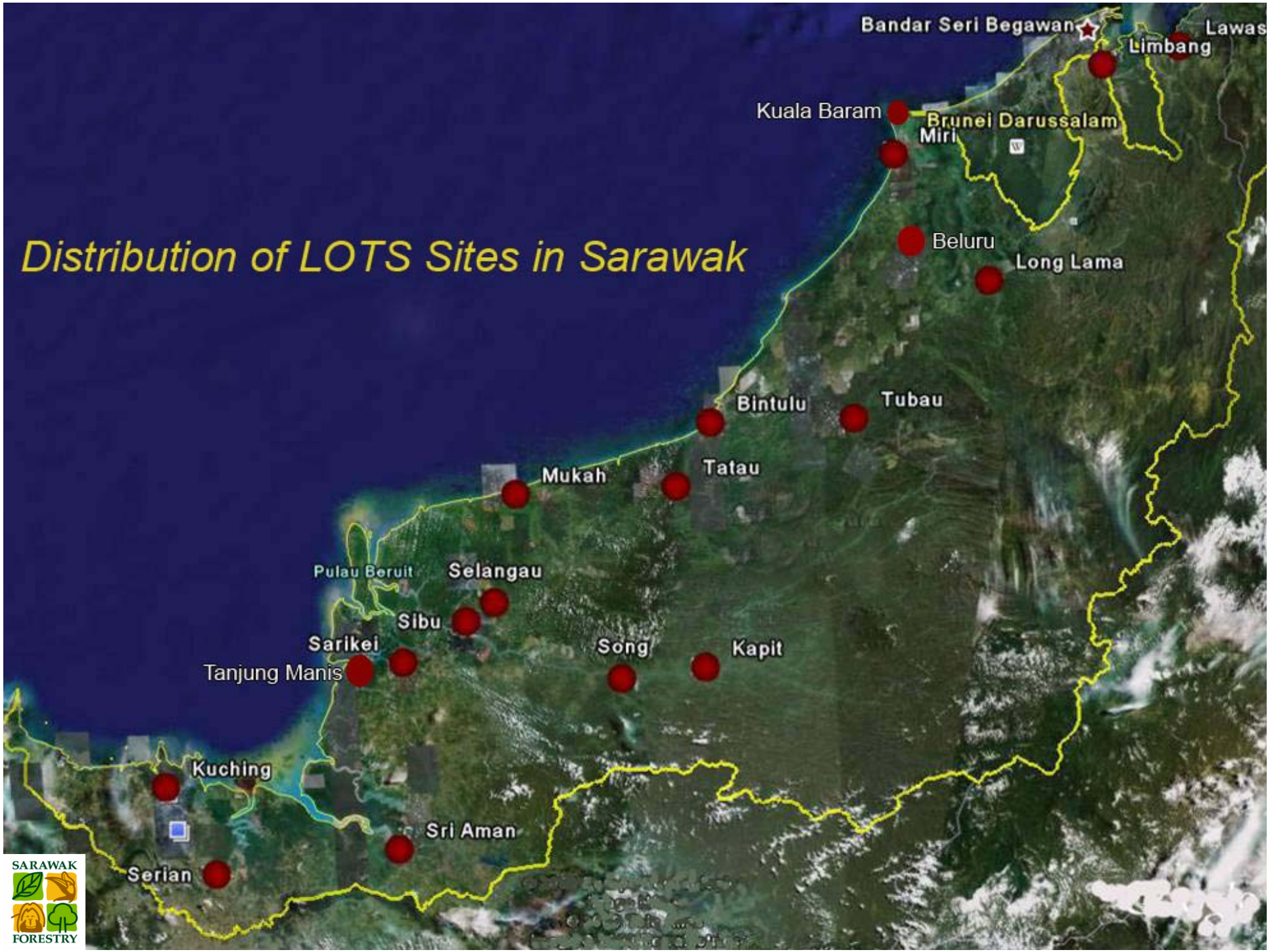
1. What is LOTS?
2. LOTS Distribution and Layout
3. System Architecture and Model
4. LOTS Process Flow
5. ISO Certification
6. LOTS Reports
7. Benefit of LOTS

What is LOTS ?

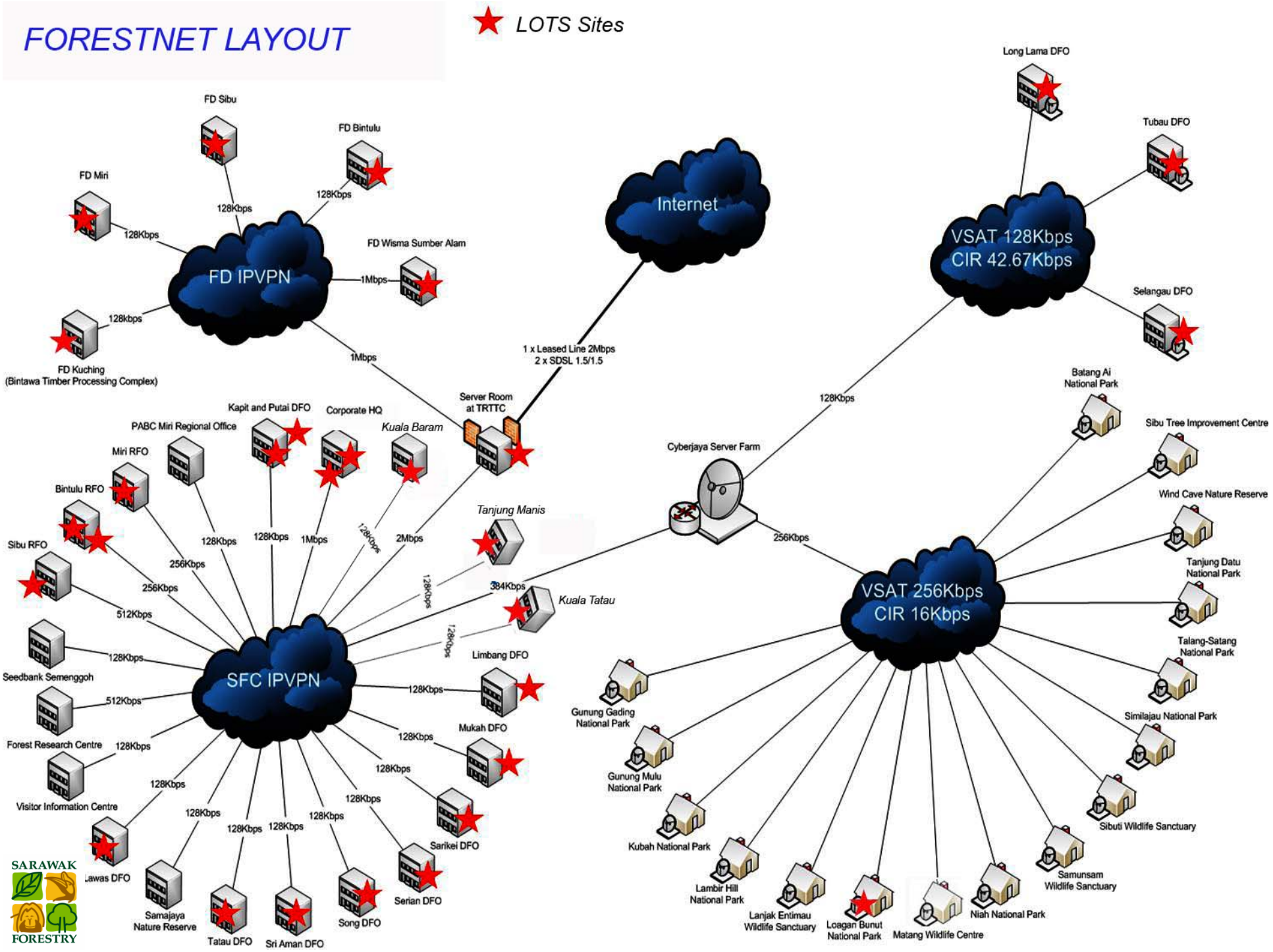
What is LOTS?

It is a network application designed and tailor-made in Sarawak to capture, record and monitor:

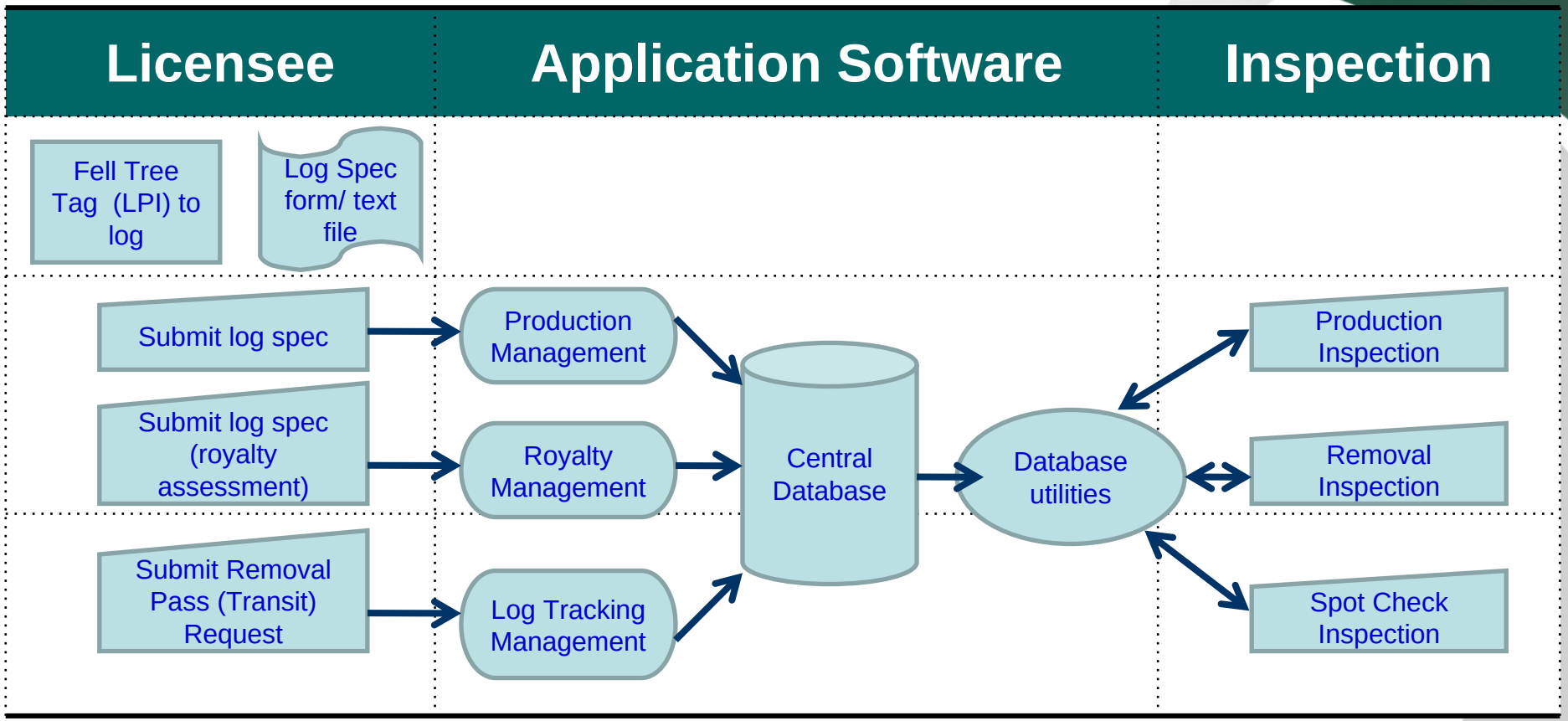
- the details of logs felled by the respective licensees or contractors
- volume of logs that had been royalty assessed
- the movement of logs from one place to another


Distribution of LOTS Sites in Sarawak
Bandar Seri Begawan
Lawas
Limbang
Kuala Baram
Brunei Darussalam
Miri
Beluru
Long Lama
Bintulu
Tubau
Mukah
Tatau
Pulau Beruit
Selangau
Sibu
Sarikei
Tanjung Manis
Song
Kapit
Kuching
Sri Aman
Serian
SARAWAK
FORESTRY

FORESTNET LAYOUT

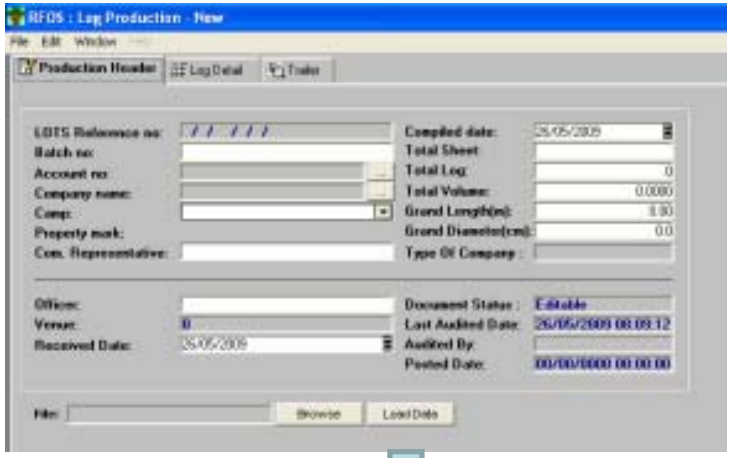


System Architecture and Model

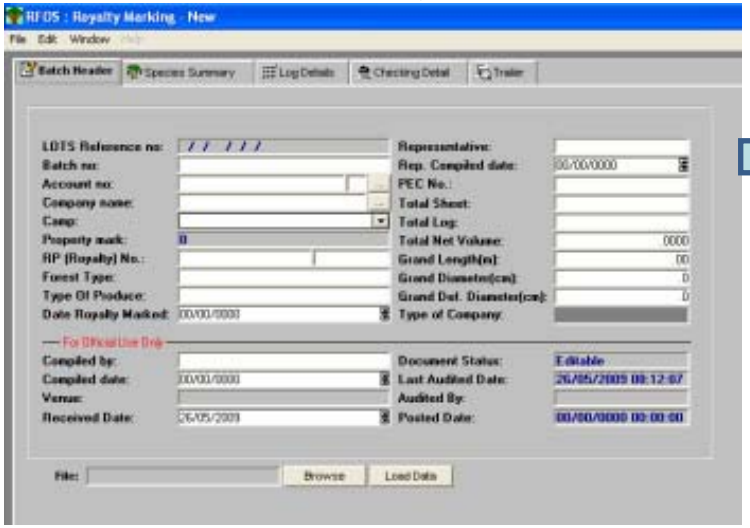


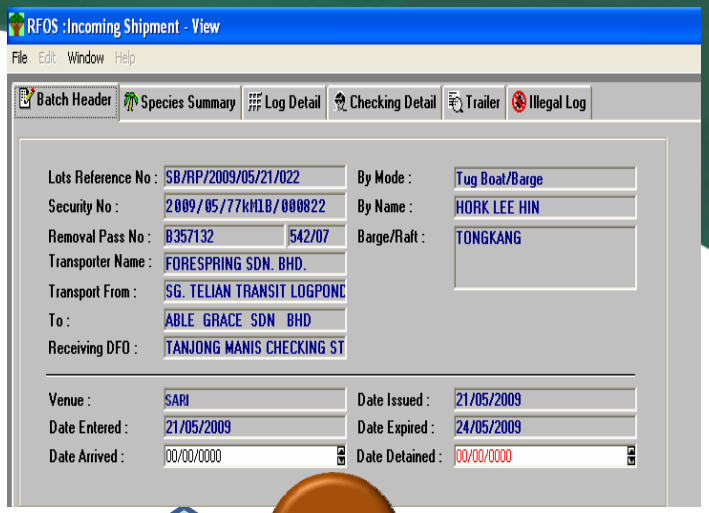
System Architecture and Model (Continued)

1 **Log Production Identity (LPI) Registration**

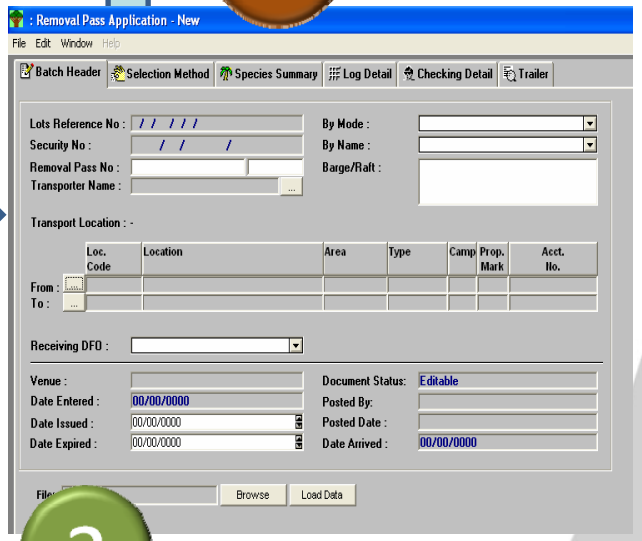


2 **Royalty Assessment**



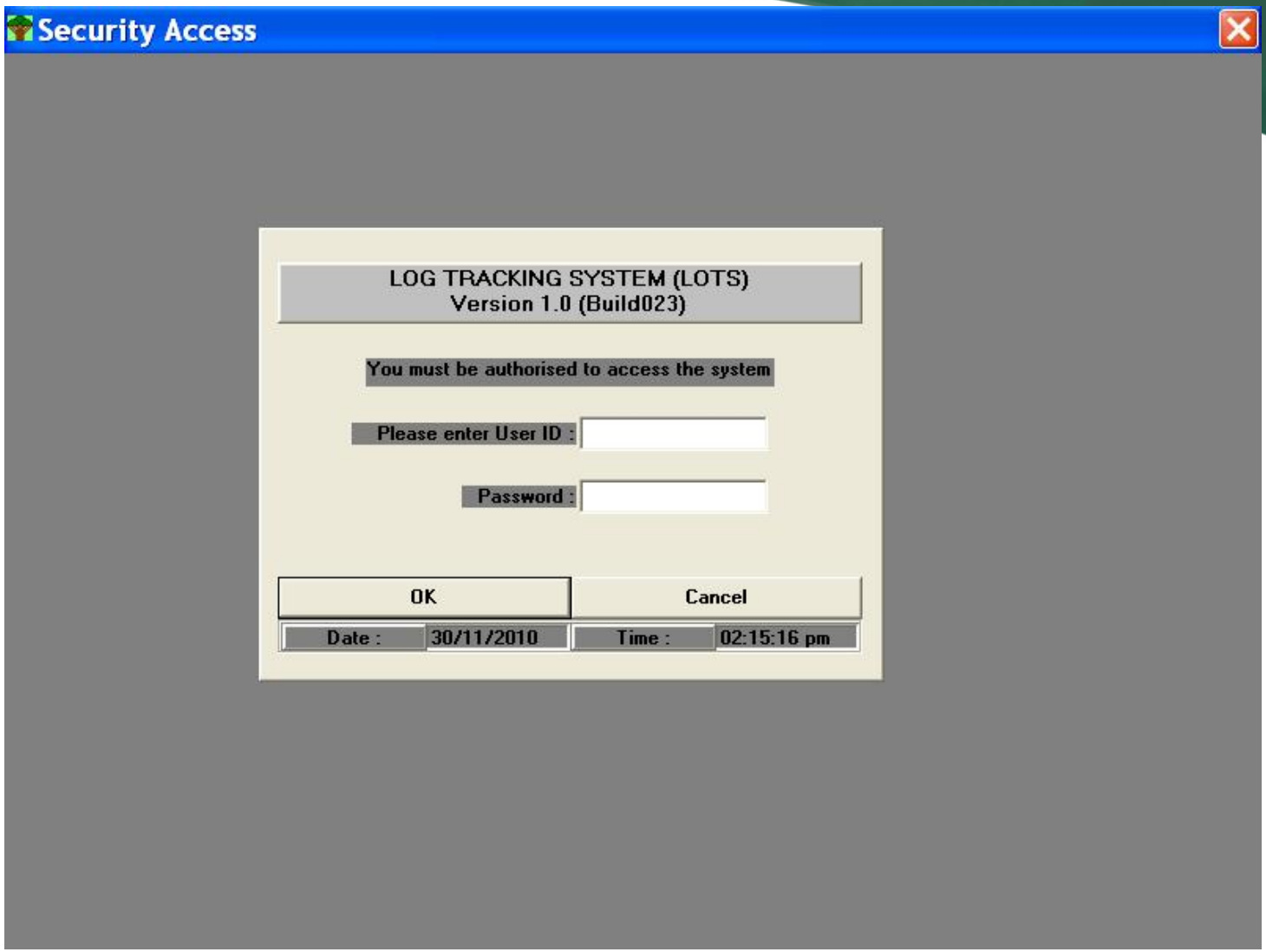


4 **Incoming Shipment**



3 **Removal Pass (Transit)**

System Architecture and Model (Continued)

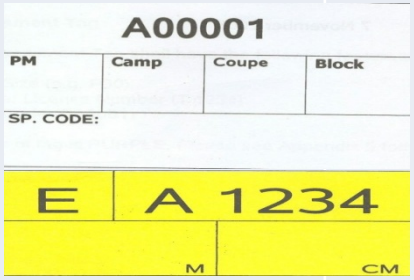
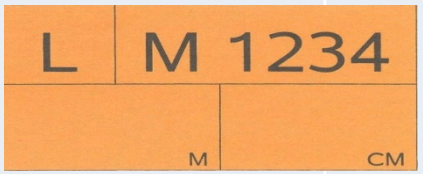


LOTS Process Flow

LOTS Process	Venue	Stake-Holder & Purview		
		Licensee	**Sarawak Forestry Corporation (SFC)**	**Third Party**
Approval print Log Production Identity	**SFC Regional Office**	• Apply range of LPI to be printed. • Print Approved LPI tags at Vendor Registered with Forest Department Sarawak.	• Process & approve range of LPI to be printed. • Registered the range of printed LPI tags in log Tracking System LOTS Computers	Monthly Auditing by Forest Department Sarawak.
Capture Log Production Identity	**Felling Block (Licence Area)**	• Fell tree • Cut trees to logs • Scale and grade the log • Tag logs with LPI tag • Fix / hammer licensee property mark to log. • Submit the detail of log produce in Daily Production Return (DPR) to SFC, before remove it from the licence area. • Move the captured LPI logs to Forest Checking Station (FCS)	• Check logs against DPR and uploading its into LOTS • Generate the LOTS reference number for production (eg. SB/**PO**/10/7/2/1) • Completing column " Official Use Only" of DPR	Spot check by Forest Department and Internal Audit Department of Chief Minister's Office, Sarawak

SARAWAK FORESTRY

LOTS Process Flow (Continued)

LOTS Process	Venue	Stake-Holder and Purview		
		Licensee	**Sarawak Forestry Corporation (SFC)**	**Third Party**
Royalty Assessment  or  	**Forest Checking Station (Place of Royalty marking)**	• Prepare Log Specification for royalty assessment • Layout logs to be royalty assessed for easier checking by the authority	• Complete the column " Official Use Only" of Royalty Assessment Log Specification. • Issue Removal Pass (royalty after physical and LOTS verification. • LOTS PC generated Royalty LOTS reference number • (eg.SB/**RO**/10/7/2/1) also Royalty Marking Document Entry Report.	• Spot check by Forest Department and Internal Audit Department of Chief Minister Office, Sarawak • Yearly audit by Moody International Auditor

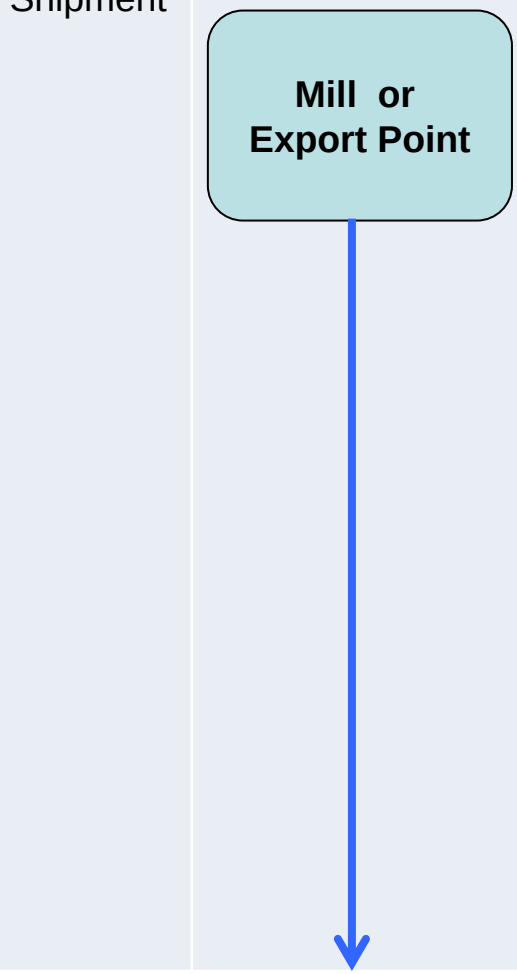
SARAWAK FORESTRY

LOTS Process Flow (Continued)

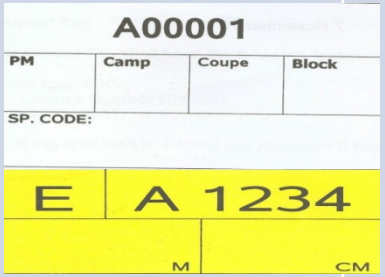
LOTS Process	Venue	Stake-Holder and Purview		
		Licensee	**Sarawak Forestry Corporation (SFC)**	**Third Party**
Application of Removal Pass (Transit)		• Prepare log Specification for Logs to be removed.	• Issue Removal Pass (Transit) complete with LOTS security number to milling or export point.	Harwood Timber Sdn Bhd • Physically inspect logs to be removed and issue Endorsement Clearance Certificate (ECC). • Complete the column “Offical Use Only “ of Log Specification (Transit)

LOTS Process Flow (Continued)

LOTS Process	Venue	Stake-Holder and Purview		
		Licensee	**Sarawak Forestry Corporation (SFC)**	**Third Party**
Incoming Shipment	**Mill or Export Point**	• Surrender documents attached to Removal Pass (Transit) to SFC office, upon reaching the designated point	• Acknowledge receipt the consignment by rubber stamp of the removal pass (Transit) • Update the LOTS system	Harwood Timber Sdn Bhd •Physically inspect incoming logs to mill or export point



LOTS Process Flow (Continued)

LOTS Process	Venue	Stake-Holder and Purview		
		Licensee	**Sarawak Forestry Corporation (SFC)**	**Third Party**
Application of Removal (Transit) for Export Logs 	**Export Point**	• Prepare log Specification for Logs to be removed. From export point to exporter country.	• Issue Removal Pass (Transit) complete with LOTS security number to vessel • Eg. KU/RP/2010/07/20/0001 • Security No • Eg.2010/07/Ffa 2SA	Harwood Timber Sdn Bhd • Issue Export Clearance certificate (ExCC) for logs to be exported. • Complete the column “Offical Use Only “ of Log Specification (Transit)

SARAWAK FORESTRY

LOTS Process Flow (Continued)

LOTS Process	Venue	Stake-Holder and Purview		
		Licensee	**Sarawak Forestry Corporation (SFC)**	**Third Party**
Application of Removal (Transit) for Export Logs	Vessel (End)		• Update LOTS	Sarawak Timber Industry Development Corporation (STIDC) •Issue export certificate (Custom Declaration form 2) •Issue clearance certificate

ISO Certified Procedures

ISO 9001:2008

ISO 14001:2004

Scope: Provision of Compliance and Regulation of Sustainable Forest management

LOTS Reports

LOTS can generate the following reports:

Transaction Reports

1) LOTS011 – Daily Production Return Form
2) LOTS012 – Royalty Assessment Log Specification Form
3) LOTS013 – Removal Pass Listing
4) LOTS014 – Removal Pass by Royalty Batch Listing
5) LOTS015 – Shutout Log Specification Form
6) LOTS016 – Transgression Log Specification Form
7) LOTS017 – Production Audit Batch Listing
8) LOTS018 – Royalty Audit Batch Listing
9) LOTS019 – Removal Pass Audit Batch Listing
10) LOTS020 – Shutout Audit Batch Listing
11) LOTS021 – Transgression Audit Batch Listing
12) LOTS022 – Unroyalty Marked Log
13) LOTS023 – Royalty Audit Batch Listing (New Format)

Administration Reports

1) LOTS001 – Royalty Marked Logs At Camps Report
2) LOTS002 – Royalty Marked Logs In Transit
3) LOTS003 – Logs At Sawmill
4) LOTS004 – Logs At Export Point
5) LOTS005 – Number Of Logs At Log Pond
6) LOTS006 – Losses And Leakages From the System
7) LOTS007 – Log Movement Between Sections
8) LOTS008 – Arriving Logs
9) LOTS009 – Usage Of Revenue Forms Report
10) LOTS010 – Missing Logs Listing
11) LOTS011 – RP Invalid Log Listing
12) LOTS012 – Unroyalty Marked Log Listing

Maintenance Reports

1) LOTS051 – List Of Processors By Name/Code
2) LOTS052 – List Of Importing Countries By Name/Code
3) LOTS053 – List Of Other Destinations By Name/Code
4) LOTS054 – List Of Accounts By Licensee Name
5) LOTS055 – List Of RFO By Name/Code
6) LOTS056 – List Of Exporters By Name/Code
7) LOTS057 – List Of Licensees By Name/Code
8) LOTS058 – List Of Camps By Licensee Name & Acc.No
9) LOTS059 – List Of Contractors
10) LOTS060 – List Of DFOs By Name/Code
11) LOTS061 – List Of Log Ponds By Owners' Name
12) LOTS062 – List Of Species By Type, Name Code For Specific Type
13) LOTS063 – List Of Transport By Type, Name For Specific Type
14) LOTS064 – List Of Areas By Name
15) LOTS065 – List Of PECs
16) LOTS066 – List Of Assigned LPI By Number
17) LOTS067 – List Of Unused LPI By Number

Benefits of LOTS

1. Traceability of Individual log to Coupe, Block, Licence Area through LPI

2. Real-time verification of origin (legality) against central database

3. Detection of tag duplication and false declarations

4. Common platform for all regions and agencies concerned to carry out monitoring, auditing and enforcement functions

5. Expedited and Improved collection of royalties due to the government

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