Custom Download Document Composition

Version 1.5 (October 3rd, 2007)

Harvest Billing System
Ministry of Forests
Revenue Branch

Revision History

Date	Version	Description	Author
March 8, 2004	1.0	Original	Sierra Systems
May 12, 2004	1.1	Revised Draft	Sierra Systems
May 13, 2004	1.2	Revised Draft	Sierra Systems
May 31, 2004	1.3	Revised Draft	Sierra Systems
Aug 16, 2004	1.4	Revised Draft – Created companion XSD	Sierra Systems
Oct 03, 2007	1.5	Version 2 of the XSD: • minor corrections • new columns • separate schema for Billing History • separate schema for Scaling History Brought document up to date.	Coyote Computer Company

TABLE OF CONTENTS

1. OVERVIEW

1.1. Background

The Ministry will provide all HBS users with the ability to download, in XML and PDF format, custom sets of the following types of data:

- **Issued Statements**
  - the most recent seven full calendar years plus the elapsed fragment of the current year

- **Detail Scale Returns**
  - the most recent seven full calendar years plus the elapsed fragment of the current year

- **Mark Monthly Billing History**
  - the most recent fifteen full calendar years plus the elapsed fragment of the current year

- **Mark Monthly Scaling History**
  - the most recent fifteen full calendar years plus the elapsed fragment of the current year

Initial capture dates will constrain the availability of the most recent seven (or fifteen) full years of data available for download:

- **Issued Statements**
  - only available from 2003-Nov-01 forward

- **Detail Scale Returns**
  - only available from 2003-Mar-01 forward

- **Mark Monthly Billing History**
  - only available from 1995-Jan-01 forward

- **Mark Monthly Scaling History**
  - only available from 1995-Jan-01 forward

The maximum size of a selected custom set will be limited. The size will be a function of demand, and delivery capability (bandwidth). The selection screens will be designed to enforce this limit.

1.2. Privacy Concerns (FOIPP)

Data items that may be severed are as follows:

Data Element	Reason for
Name and address of an individual.	Individuals names and addresses are protected by FOIPP policy
Transport ID	This data element is severed in accordance with stated Revenue Branch policy
Scaler's Comment	This data element is severed in accordance with stated Revenue Branch policy
Scaler's Signature Block	Routinely releasing this data element would potentially allow Scaler Authentication Keys to be compromised via reverse engineering.
Detail Scale Documents that have not been issued on an invoice or volume statement. This includes non-billable event types, and billable event types that are in progress.	Routinely releasing data for non-billable events would disclose private information about industry business practices to unrelated parties.

HBS will sever these data elements unless the data is being provided to:

- An owner of the data, or
- An HBS user with Ministry privileges.

1.3. Ownership Definitions

Ownership privileges depend on the document type.

1.3.1. Issued Statements

There are six types of issued statements:

- Piece Scale Invoices
- Piece Scale Volume Statements
- Weight Scale Invoices
- Weigh Scale Volume Statements
- Compiled Sample Statements
- Ratio Statements

Owner Type	Description
Bill To Client	A Bill To Client is a client who receives the original copy invoice (or statement), and has primary responsibility for acknowledging it. The Mark Holder is the Bill To Client for these types of statements: • Piece Scale Invoices • Piece Scale Volume Statements • Weight Scale Invoices • Weigh Scale Volume Statements. The Population Owner is the Bill To Client for these types of statements: • Compiled Sample Statements • Ratio Statements The Scale Site Owner is the Bill To Client for these types of statements: • Piece Scale Beach-comb Invoices
Copy To Client	A Copy To Client is a client who receives a second copy of the invoice (or statement), for informational purposes. The Site Owner is the Copy To Client for these types of statements: • Piece Scale Invoices • Piece Scale Volume Statements The Stratum Owner is the Copy To Client for these types of statements: • Weight Scale Invoices • Weigh Scale Volume Statements. • Compiled Sample Statements • Ratio Statements There is no Copy To Client if the Copy To Client would be the same as the Bill To Client.

Field That May Be Severed	Treatment
Name and address of an individual.	The name and address of the Bill To Client appears on all issued statements. When a custom request for an issued statement is made, if the Bill To client on the statement is an individual, then the Bill To name and address will be severed unless the requestor is an HBS Ministry user, or an HBS industry user whose user id is associated with the Bill To Client, or the Copy To Client on the statement.
Name and address of an individual.	The name and address of the Copy To Client appears on all issued statements. When a custom request for an issued statement is made, if the Copy To client on the statement is an individual, then the Copy To name and address will be severed unless the requestor is an HBS Ministry user, or an HBS industry user whose user id is associated with the Bill To Client, or the Copy To Client on the statement.
Transport ID	No issue because this data element does not appear on issued statements.
Scaler's Comment	No issue because this data element does not appear on issued statements.
Scaler's Signature Block	No issue because this data element does not appear on issued statements.
Un-issued Detail Scale Documents	No issue because only issued Detail Scale Documents are listed on: • Piece Scale Invoices • Piece Scale Volume Statements • Weight Scale Invoices • Weigh Scale Volume Statements • Compiled Sample Statements • Ratio Statements

1.3.2. Detail Scale Data

There are five types of detail scale documents:

- Weigh Slips

- Log Tallies

- Sample Tallies

- Arrival Ledgers

- Departure Ledgers

Arrival Ledgers and Departure Ledgers can never be issued on an invoice or volume statement, and so can never be selected for a custom download.

Owner Type	Description
Mark Holder	A Mark Holder is a client who owns a timber mark, as recorded in the corporate Provincial Forest Use table. The timber mark is recorded on these types of detail documents: • Weight Slips • Log Tallies • Sample Tallies
Site Owner	A Site Owner is a client who owns a scale site, as recorded in the corporate Scale Site table. The scale site is recorded on these types of detail documents: • Weight Slips • Log Tallies • Sample Tallies
Population Owner	A Population Owner is a client who owns a population, as recorded in the HBS Population table. The population is recorded on these types of detail documents: • Weight Slips • Sample Tallies
Stratum Owner	A Stratum Owner is a client who owns a stratum, as recorded in the HBS Stratum table. The stratum is recorded on these types of detail documents: • Weight Slips • Sample Tallies

Field That May Be Severed	Treatment
Name and address of an individual.	No issue because this data element does not appear on detail scale documents.
Transport ID	The Transport ID appears on all types of detail scale documents. When a custom request for a detail scale document is made, then the Transport ID will be severed unless the requestor is an HBS Ministry user, or an HBS industry user whose user id is associated with the Mark Holder, Site Owner, Population Owner, or Stratum Owner referenced by the document.
Scaler's Comment	The Scaler's Comment appears on all types of detail scale documents. When a custom request for a detail scale document is made, then the Scaler's Comment will be severed unless the requestor is an HBS Ministry user, or an HBS industry user whose user id is associated with the Mark Holder, Site Owner, Population Owner, or Stratum Owner referenced by the document.
Scaler's Signature Block	The Scaler's Signature Block appears on all types of detail scale documents. When a custom request for a detail scale document is made, then the Scaler's Signature Block will be severed unless the requestor is an HBS Ministry user.
Un-issued Detail Scale Documents	A custom request for a detail scale document with a status other than 'Issued' will only be honoured when the requestor is an HBS Ministry user, or an HBS industry user whose user id is associated with the Site Owner referenced by the document.

1.3.3. Mark Monthly Histories

There are two types of mark monthly histories:

- Mark Monthly Billing History

- Mark Monthly Scaling History

Owner Type	Description
Mark Holder	A Mark Holder is a client who owns a timber mark, as recorded in the corporate Provincial Forest Use table. The timber mark is recorded in these types of histories: • Mark Monthly Billing History • Mark Monthly Scaling History
Site Owner	A Site Owner is a client who owns a scale site, as recorded in the corporate Scale Site table. The scale site is recorded in these types of histories: • Mark Monthly Scaling History

Field That May Be Severed	Treatment
Name and address of an individual.	The name of the Mark Holder is included in the data extract based on Mark Monthly Billing History and in the data extract based on the Mark Monthly Scaling History. When a custom request for a Billing History extract or a Scaling History extract is made, if a Mark Holder in an extract record is an individual, then the Mark Holder name and location will be severed unless the requestor is an HBS Ministry user, or an HBS industry user whose user id is associated with the Mark Holder in the extract record.
Name and address of an individual.	The name of the Site Owner Holder is included in the data extract based on Mark Monthly Scaling History. When a custom request for a Scaling History extract is made, if a Site Owner in the extract is an individual, then the Site Owner name and location will be severed unless the requestor is an HBS Ministry user, or an HBS industry user whose user id is associated with the Site Owner in the extract record.
Transport ID	No issue because this data element does not appear in history extracts.
Scaler's Comment	No issue because this data element does not appear in history extracts.
Scaler's Signature Block	No issue because this data element does not appear in history extracts.
Un-issued Detail Scale Documents	No issue because this only issued documents are included in history extracts.

1.4.   Data Available For Custom Download

1.4.1. Issued Statements

Selection of the custom set of data will be made via the existing HBS screen P450, "Search For Multiple Issued Documents". The following types of issued statements will be available for custom download.

Document Type	Description
Piece scale invoices	Invoice for crown timber computed from either XML log tally detail records or FS72 style summaries of scale.
Piece scale volume statements	Scale summary for NON-crown timber computed from either XML log tally detail records or FS72 style summaries of scale. These records are functionally equivalent to piece scale invoices.
Weight scale invoices	Invoice for crown timber computed from either XML weigh slip and sample tally detail records or FS493 style summaries of scale and FS531 style computed sample summaries.
Weight scale volume statements	Scale summary for NON-crown timber computed from either XML weigh slip and sample tally detail records or FS493 style summaries of scale and FS531 style computed sample summaries. These records are functionally equivalent to weight scale invoices.
Compiled sample statement	Official record of inclusion of samples in ministry sample statistical file against a given population stratum and sampling year. Computed from either XML sample tally detail records or FS531 style computed sample summaries.
Ratio computation statement	Official record of ministry sample statistical file for a given population stratum and sampling year at a given date Includes a statement of the current species, grade and ratio profile at the statement date and a listing of samples compiled since the last statement.

1.4.1.1.   SELECTION CRITERIA – ISSUED STATEMENTS

Type	Choices
Document Type	• Piece Scale Invoice • Weight Scale Invoice • Piece Scale Volume Statement • Weight Scale Volume Statement • Compiled Sample Statement • Ratio Statement
Business Keys	• Scale Date Range (From Date, To Date) • Issue Date Range (From Date, To Date) • Timber Mark • Scale Site • Population/Stratum/Year • Region / District Scaled • Region / District Harvested • Client Association (Both, Original, Copy To) • Client Number / Client Location Code

1.4.1.2.   PRIVACY CONCERNS (FOIPP) – ISSUED STATEMENTS

Scope

Data Item	Contents	Max. Size
Name	Client name	60
Location-Name	Client location name	40
Address1	First line of address	40
Address2	Second line of address	40
Address3	Third line of address	40
City	City	30
Province	Province	5
Country	Country	6
Postal Code	Postal code	10

Rules

Requestor	Severing Rules
Ministry User	Never sever any of the nine data items listed above.
Industry User	Retrieve the client number associated with the user id of the requestor. If the user's client number <> the bill-to-client-number and user's client number <> the copy-to-client-number and the mark-holder-client-type-code = 'I' then replace each of the nine data items listed above with a string of five asterisks.
Special User	If the mark-holder-client-type-code = 'I', then replace each of the nine data items listed above with a string of five asterisks.
Public User	If the mark-holder-client-type-code = 'I', then replace each of the nine data items listed above with a string of five asterisks.

1.4.2. Detail Scale Returns

Selection of the custom set of data will be made via the existing HBS screen P046, "Search For Detail Scale Returns". The following types of detail scale returns will be available for custom download.

Document Type	Description
Log tallies	Log tallies that have either been: • issued on an HBS-generated summary scale return, or • assigned a not-to-be-issued (NTI) status by HBS.
Weigh slips	Weigh slips that have either been: • issued on an HBS-generated summary scale return, or • assigned a not-to-be-issued (NTI) status by HBS.
Sample tallies	Sample tallies that have either been: • issued on an HBS-generated summary scale return, or • assigned a not-to-be-issued (NTI) status by HBS.

1.4.2.1.   SELECTION CRITERIA – DETAIL SCALE RETURNS

As per HBS Screen P046:

Type	Choices
Document Type	• Log Tallies • Weight Slips • Sample Tallies • Arrival Ledgers • Departure Ledgers
Business Keys	• Version Status • Error Code • Event Type • Event Date Range (From Date, To Date) • Scale Site (all, some, or one) • Population/Stratum/Year • Timber Mark (all, some, or one) • Primary Scaler Licence • Return Number Range • LAN/WAN Range • Transport ID Range • LDS Number Range • Client Association • Client Number and Client Location Code

1.4.2.2.   PRIVACY CONCERNS (FOIPP) – DETAIL SCALE RETURNS

Scope 1

Data Item	Contents
• Document-Type	Categorizes type of document
• Event-Type	Categorizes type of business process
• Version-Status	Describes progress of the document through HBS

Rule 1

Documents flagged with an N in the matrix below are not eligible for download.

Doc Type	Event Type	Version Status	Ministry User	Industry Site Owner	Industry Not Site Owner	Special User	Public User
LT	PS FD RT RR CS	ISS	Y	Y	Y	Y	Y
LT	PS FD RT RR CS	NTI	Y	Y	N	N	N
LT	PS FD RT RR CS	other	N	N	N	N	N
LT	4R CU	NTI	Y	Y	N	N	N
LT	4R CU	other	N	N	N	N	N
ST	SS RS CS	ISS	Y	Y	Y	Y	Y
ST	SS RS CS	NTI	Y	Y	N	N	N
ST	SS RS CS	other	N	N	N	N	N
WS	PS SS RS PD	ISS	Y	Y	Y	Y	Y
WS	PS SS RS PD	NTI	Y	Y	N	N	N
WS	PS SS RS PD	other	N	N	N	N	N
WS	RT RR	NTI	Y	Y	N	N	N
WS	RT RR	other	N	N	N	N	N
WS	4R DP CU	NTI	Y	Y	N	N	N
WS	4R DP CU	other	N	N	N	N	N
AL	PS B4 4R TD FD RS RR	NTI	Y	Y	N	N	N
AL	PS B4 4R TD FD RS RR	other	N	N	N	N	N

Scope 2

Data Item	Contents	Max
Transport-Identifier	ID of the truck, boom, or barge transporting the load	16
Comment	Comment entered by the scaler	240

Rule 2

User Type	Severing Rules
Ministry User	Never sever the two data items listed above.

Industry User	Retrieve the client number associated with the user id of the requestor. If the user's client number <> the site-owner-number then replace each of the two data items listed above with a string of five asterisks.
Special User	Replace each of the two data items listed above with a string of five asterisks.
Public User	Replace each of the two data items listed above with a string of five asterisks.

Scope 3

Data Item	Contents
Signature-Block	
• Signing-Scaler-Licence	Licence number of scaler signing the return
• AKEHT	Authentication key encrypted hash total
• Method	Algorithm used to compute the hash total

Rule 3

User Type	Severing Rules
Ministry User	Never sever the three data items listed above.
Industry User	Retrieve the client number associated with the user id of the requestor. If the user's client number <> the site-owner-number then exclude the Signature Block and its three subordinate data items listed above from the custom download.
Special User	Exclude the Signature Block and its three subordinate data items listed above from the custom download
Public User	Exclude the Signature Block and its three subordinate data items listed above from the custom download

Scope 4

Data Item	Contents
Software-Block	
• Software-Product	Software product creating the XML
• Software-Version	Version of software product creating the XML
• Software-Revision	Revision of software version creating the XML
Digest-Block	
• Method	Algorithm used to compute the hash total
• Hash-Total	Hash total of all participating data fields

Rule 4

User Type	Rules
All	Set the Software-Product= 'HBS'
All	Set the Software-Version= '0000'
All	Set the Software-Revision = '00'
All	Set the Method = 'CRC32'
All	Set the Hash-Total = 0

1.4.3. Mark Monthly Billing History

Selection of the custom set of data will be made via the HBS screen P431, "Mark Monthly Billing History Selection". Each mark monthly billing history record contains volume billed and value billed for a unique timber mark, species, product, and grade combination for a single month.

1.4.3.1.   SELECTION CRITERIA – BILLING HISTORY

Type	Choices
Billing Interval	• A range specified by From Month and To Month (up to 12 months)
Business Keys	• Region / District Harvested (drop down list) • Mark Holder Client No / Location • File Type (drop down list) • Management Unit Type (drop down list) • Management Unit Number • Forest File ID • Timber Mark (more than one may be selected)
Filters	• Species (drop down list) • Product (drop down list) • Grade (drop down list)
Exclusions	• Exclude Firmwood Reject (Y/N) • Exclude Waste/Residue (Y/N)

1.4.3.2. PRIVACY CONCERNS (FOIPP) – BILLING HISTORY

Scope

Data Item	Contents	Max
Mark-Holder-Client-Name	Client name of the owner of the mark	120
Mark-Holder-Client-Location-Name	Client location name of the owner of the mark	120

Rules

User Type	Severing Rules
Ministry User	Never sever the two data items listed above.
Industry User	Retrieve the client number associated with the user id of the requestor. If the user's client number <> the mark-holder-client-number and the mark-holder-client-type-code = 'I' then replace each of the two data items listed above with a string of five asterisks.
Special User	If the mark-holder-client-type-code = 'I', then replace each of the two data items listed above with a string of five asterisks.
Public User	If the mark-holder-client-type-code = 'I', then replace each of the two data items listed above with a string of five asterisks.

1.4.4. Mark Monthly Scaling History

Selection of the custom set of data will be made via the HBS screen P441, "Mark Monthly Scaling History Selection". Each mark monthly scaling history record contains volume scaled and value scaled for a unique timber mark, scale site, species, product, and grade combination for a single month.

1.4.4.1.   SELECTION CRITERIA – SCALING HISTORY

Type	Choices
Billing Interval	• A range specified by From Month and To Month (up to 12 months)
Business Keys	• Region / District Harvested (drop down list)
	• Mark Holder Client No / Location
	• File Type (drop down list)
	• Management Unit Type (drop down list)
	• Management Unit Number
	• Forest File ID
	• Timber Mark (more than one may be selected)
	• Region / District Scaled (drop down list)
	• Scale Site
Filters	• Species (drop down list)
	• Product (drop down list)
	• Grade (drop down list)
Exclusions	• Exclude Firmwood Reject (Y/N)
	• Exclude Waste/Residue (Y/N)

1.4.4.2. PRIVACY CONCERNS (FOIPP) – SCALING HISTORY

Scope 1

Data Item	Contents	Max
Mark-Holder-Client-Name	Client name of the owner of the mark	120
Mark-Holder-Client-Location-Name	Client location name of the owner of the mark	120

Rule 1

User Type	Severing Rules
Ministry User	Never sever the two mark-holder-owner data items listed above.
Industry User	Retrieve the client number associated with the user id of the requestor. If the user's client number <> the mark-holder-client-number and the mark-holder-client-type-code = 'I' then replace each of the two mark-holder-owner data items listed above with a string of five asterisks.
Special User	If the mark-holder-client-type-code = 'I', then replace each of the two mark-holder-owner data items listed above with a string of five asterisks.
Public User	If the mark-holder-client-type-code = 'I', then replace each of the two mark-holder-owner data items listed above with a string of five asterisks.

Scope 2

Data Item	Contents	Max
Site-Owner-Client-Name	Client name of the owner of the site	120
Site-Owner-Client-Location-Name	Client location name of the owner of the site	120

Rule 2

User Type	Severing Rules
Ministry User	Never sever the two site-owner data items listed above.
Industry User	Retrieve the client number associated with the user id of the requestor. If the user's client number <> the Site-Owner-client-number and the Site-Owner-client-type-code = 'I' then replace each of the two site-owner data items listed above with a string of five asterisks.
Special User	If the Site-Owner-client-type-code = 'I', then replace each of the two site-owner data items listed above with a string of five asterisks.
Public User	If the Site-Owner-client-type-code = 'I', then replace each of the two site-owner data items listed above with a string of five asterisks.

1.5. Request Composition and Process

1.5.1. Composition

HBS Users will have the ability to request the export of data from HBS. These exports will fall into the four large classifications defined in the above section.

Each requestor will be asked to supply the following information:

Format (via Menus)	• Issued Statements • Detailed Scale Data • Harvest History • Scale History
Selection Criteria	• Defined in the previous sections
Email Address	Either: • The address on file with the HBS user, or • An address provided by a public user at the end of the request process

The data associated with each request will be included in a single file, called a transmission. The structure of each of the four types is described in subsequent sections of this document. Each file will be stored in a public transfer directory for pick-up by the user.

1.5.2. Delivery

Each request will trigger an e-mail to the requester containing a link to the file requested that has been stored on the public transfer directory for user pick-up.

If the user is a registered HBS user, HBS will use e-mail address on file.

If the user is not a registered HBS user, HBS will prompt the user for an e-mail address.

1.5.3. Pick-Up

On receipt of the e-mail, the transmission file will be available from the HBS for subsequent processing.

2. TRANSMISSION COMPOSITION

A new schema for scale and harvest history was created in 2004 and has been updated in 2007. Additionally in 2004, the existing XML formats for Issued Statements and Detailed Scale returns were amended to include an optional request attribute block, having the same definition as the HBS-Request block in section 2.3.2

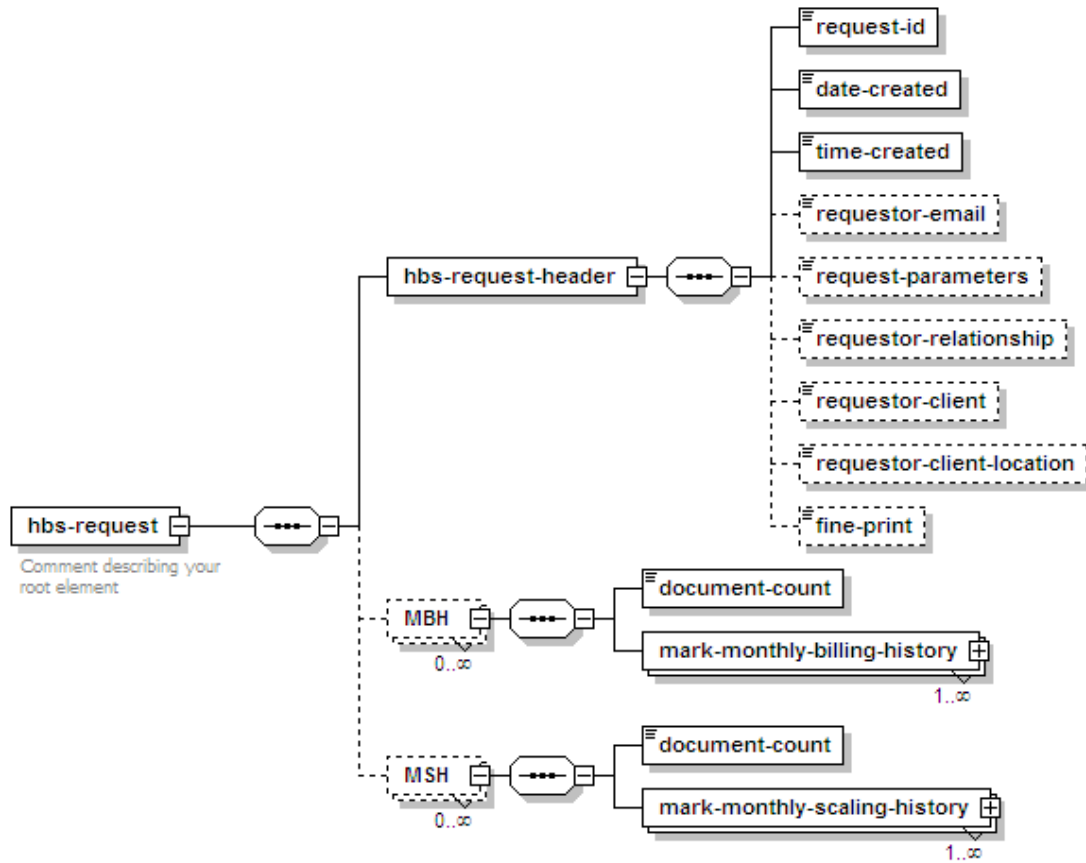## 2.1. Structure - Issued Statements

[See Delivered Document Composition v 3.0]

2.2. Structure - Detail Scale Returns

[See HBS Appendix B - Submitted Scale Document Composition v 5.0]

2.3. Structure - Mark Monthly Billing History

2.3.1. Transmission File Structure

2.3.2. HBS-Request-Header Attributes

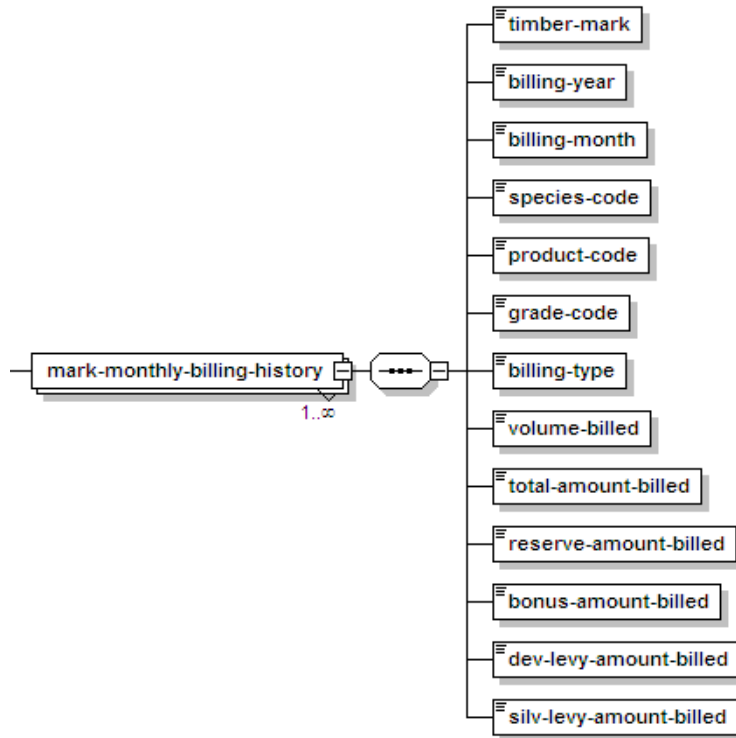The following information will be provided for each transmission:

Data Field	Length	Format	Status	Description
Request-ID	10	Numeric	Required	Identifies File
Date-Created	8	Date	Required	Date Request File Is Created
Time-Created	6	Time	Required	Time Request File Is Created
Requestor-Email	128	Alphanumeric	Optional	
Request-Parameters	2000	Alphanumeric	Optional	A free format description of criteria used to generate this file
Requestor-Relationship	8	Alphanumeric	Optional	Specifies the type of user. Set as follows for custom document delivery transmissions: • Public • MOF • Industry
Requestor-Client	8	Alphanumeric	Optional	Populated for Industry Users
Requestor-Client-Location	2	Alphanumeric	Optional	Populated for Industry Users
Fine-Print	2048	Alphanumeric	Optional	"Data items severed because of FOIPP concerns have been replaced with the value *****" or omitted"

2.3.3. Batch Attributes

Multiple documents are grouped into batches. The following information will be provided for each batch:

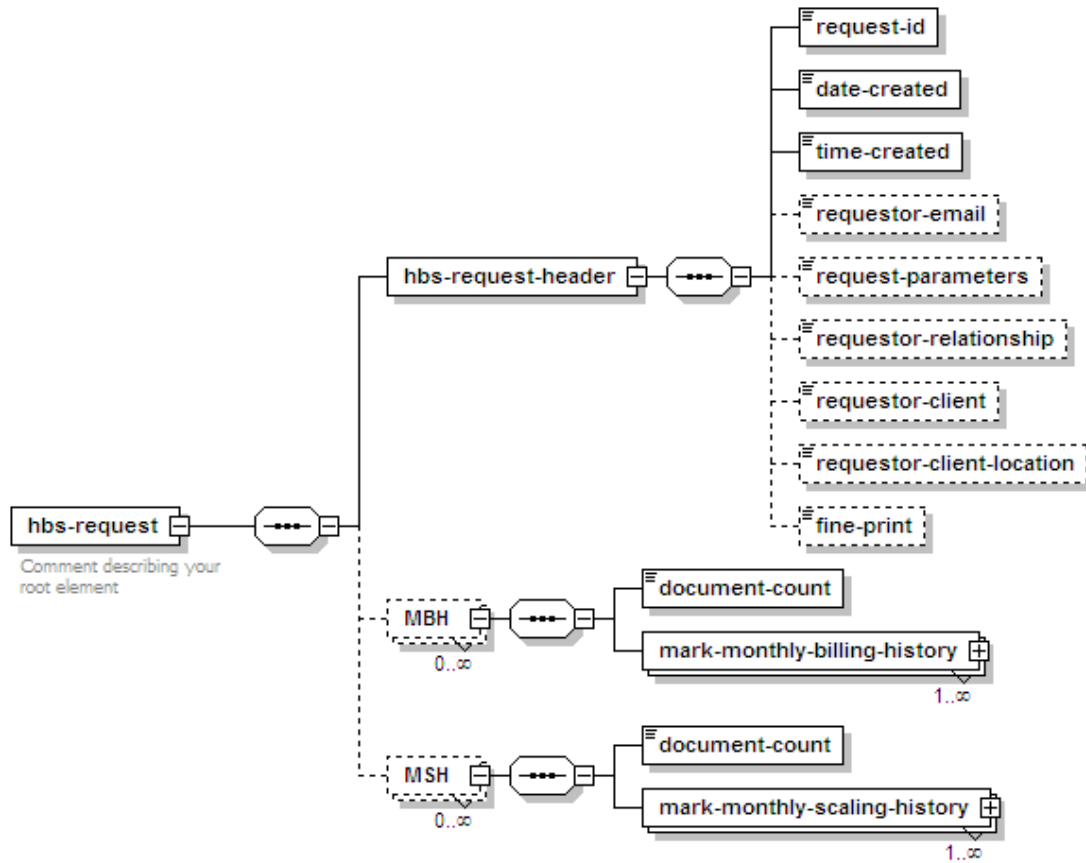| Data Field	Length	Format	Status	Description
Batch-Type-Code	3	Alphanumeric	Required	"MBH" – Mark Monthly Billing History
Document-Count	10	Numeric	Required	Count of monthly records in batch

2.3.4. Mark Monthly Billing History Record Attributes

Mark Monthly Billing History Data Elements

Data Field	Length	Format	Status	Source Table
Billing-Year	4.0	N	Req.	Harvest_History
Billing-Month	2.0	N	Req.	Harvest_History
Billing-Type-Code	2	AN	Req.	Harvest_History
Billing-Type-Description	120	AN	Req.	Code_List_Table
Total-Volume-Billed	15.3	N	Req.	Harvest_History
Total-Value-Billed	15.2	N	Req.	Harvest_History
Species-Code	2	AN	Req.	Harvest_History
Species-Description	120	AN	Req.	Scale_Species_Code
Product-Code	2	AN	Req.	Harvest_History
Product-Description	120	AN	Req.	Scale_Product_Code
Grade-Code	1	AN	Req.	Harvest_History
Grade-Description	120	AN	Req.	Scale_Grade_Code
Region-Harvested-Code	3	AN	Req.	Mark_Billed_Cli
Region-Harvested-Description	120	AN	Req.	Org_Unit
District-Harvested-Code	3	AN	Req.	Mark_Billed_Cli
District-Harvested-Description	120	AN	Req.	Org_Unit
Timber-Mark	6	AN	Req.	Harvest_History
Forest-File-ID	10	AN	Req.	Mark_Billed_Cli
File-Type-Code	3	AN	Req.	Mark_Billed_Cli
File-Type-Description	120	AN	Req.	File_Type_Code
Mgmt-Unit-Type-Code	1	AN	Req.	Mark_Billed_Cli
Mgmt-Unit-Type-Description	120	AN	Req.	Mgmt-Unit-Type-Code
Mgmt-Unit-ID	3	AN	Req.	Mark_Billed_Cli
Mark-Holder-Client-Type-Code	1	AN	Req.	Forest_Client
Mark-Holder-Client-Type-Description	120	AN	Req.	Client_Type_Code
Mark-Holder-Client-Number	8	AN	Req.	Mark_Billed_Cli
Mark-Holder-Client-Name	120	AN	Req.	Forest_Client
Mark-Holder-Client-Location-Code	2	AN	Req.	Mark_Billed_Cli
Mark-Holder-Client-Location-Name	120	AN	Req.	Client_Location

2.4.   Structure - Mark Monthly Billing History

2.4.1. Transmission File Structure

2.4.2. HBS-Request-Header Attributes

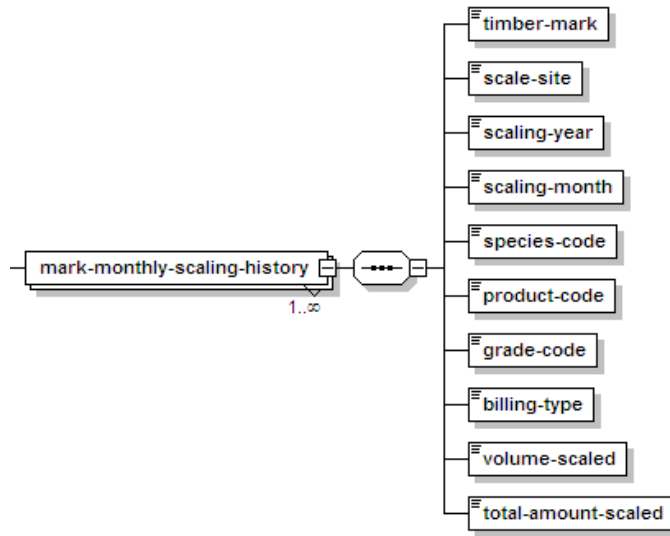The following information will be provided for each transmission:

Data Field	Length	Format	Status	Description
Request-ID	10	Numeric	Required	Identifies File
Date-Created	8	Date	Required	Date Request File Is Created
Time-Created	6	Time	Required	Time Request File Is Created
Requestor-Email	128	Alphanumeric	Optional	
Request-Parameters	2000	Alphanumeric	Optional	A free format description of criteria used to generate this file
Requestor-Relationship	8	Alphanumeric	Optional	Specifies the type of user. Set as follows for custom document delivery transmissions: Public MOF Industry
Requestor-Client	8	Alphanumeric	Optional	Populated for Industry Users
Requestor-Client-Location	2	Alphanumeric	Optional	Populated for Industry Users
Fine-Print	2048	Alphanumeric	Optional	"Data items severed because of FOIPP concerns have been replaced with the value *****" or omitted"

2.4.3. Batch Attributes

Multiple documents are grouped into batches. The following information will be provided for each batch:

Data Field	Length	Format	Status	Description
Batch-Type-Code	3	Alphanumeric	Required	"MSH" – Mark Monthly Scaling History
Document-Count	10	Numeric	Required	Count of monthly records in batch

2.4.4. Mark Monthly Scaling History Record Attributes

2.4.5. Mark Monthly Scaling History Data Elements

Data Field	Length	Format	Status	Source Table
Scaling-Year	4.0	N	Req.	Scaling_History
Scaling-Month	2.0	N	Req.	Scaling_History
Billing-Type-Code	2	AN	Req.	Scaling_History
Billing-Type-Description	120	AN	Req.	Code_List_Table
Total-Volume-Scaled	15.3	N	Req.	Scaling_History
Total-Value-Scaled	15.2	N	Req.	Scaling_History
Species-Code	2	AN	Req.	Scaling_History
Species-Description	120	AN	Req.	Scale_Species_Code
Product-Code	2	AN	Req.	Scaling_History
Product-Description	120	AN	Req.	Scale_Product_Code
Grade-Code	1	AN	Req.	Scaling_History
Grade-Description	120	AN	Req.	Scale_Grade_Code
Region-Harvested-Code	3	AN	Req.	Mark_Billed_Cli
Region-Harvested-Description	120	AN	Req.	Org_Unit
District-Harvested-Code	3	AN	Req.	Mark_Billed_Cli
District-Harvested-Description	120	AN	Req.	Org_Unit
Timber-Mark	6	AN	Req.	Scaling_History
Forest-File-ID	10	AN	Req.	Mark_Billed_Cli
File-Type-Code	3	AN	Req.	Mark_Billed_Cli
File-Type-Description	120	AN	Req.	File_Type_Code
Mgmt-Unit-Type-Code	1	AN	Req.	Mark_Billed_Cli
Mgmt-Unit-Type-Description	120	AN	Req.	Mgmt-Unit-Type-Code
Mgmt-Unit-ID	3	AN	Req.	Mark_Billed_Cli
Mark-Holder-Client-Type-Code	1	AN	Req.	Forest_Client
Mark-Holder-Client-Type-Description	120	AN	Req.	Client_Type_Code
Mark-Holder-Client-Number	8	AN	Req.	Mark_Billed_Cli
Mark-Holder-Client-Name	120	AN	Req.	Forest_Client
Mark-Holder-Client-Location-Code	2	AN	Req.	Mark_Billed_Cli
Mark-Holder-Client-Location-Name	120	AN	Req.	Client_Location
Region-Scaled-Code	3	AN	Req.	Org_Unit
Region-Scaled-Description	120	AN	Req.	Org_Unit
District-Scaled-Code	3	AN	Req.	Scale_Site
District-Scaled-Description	120	AN	Req.	Org_Unit
Scale_Site	4	AN	Req.	Scaling_History
Scale_Stie_Name	120	AN	Req.	Scale_Site
Site-Owner-Client-Type-Code	1	AN	Req.	Forest_Client
Site-Owner-Client-Type-Description	120	AN	Req.	Client_Type_Code
Site-Owner-Client-Number	8	AN	Req.	Mark_Billed_Cli
Site-Owner-Client-Name	120	AN	Req.	Forest_Client
Site-Owner-Client-Location-Code	2	AN	Req.	Mark_Billed_Cli
Site-Owner-Client-Location-Name	120	AN	Req.	Client_Location