

**Northwest Data Sharing Network Technical Committee Minutes: Review phase II**  
**DSN Data Model**  
**February 16, 2004**  
**Smithers, 10:30-3:30**

Present: Karen Perkins, Fred, Don Morgan, Kevin Eskelin, Paul Schwartz, Bonnie Potulick, Scott Emmons, Tom MacKinlay, Wren Gilgan, Barry Watson  
By Phone: Philip Kayal, Sam Smith, Jeff Lounsbury

Review of IFPA 3 phase DSN project  
Current activity is Phase 2 - Data Modelling

**GENUS Exchange Service Status**

Babine – hasn't been able to do a submission, getting errors.  
Babine Timber Sales – just got loaded, blocks and roads not cleaned up. Silviculture could be years.

**Other Status**

PIR – FTA – can submit igds.  
RESULTS – deadline is now December 31<sup>st</sup>, 2005 for compliance  
HFP – GENUS growing pains, programmatically manipulated, needs validated and fixed.

**What can be done?**

Given all the bugs that are being worked out, March 31<sup>st</sup> deadline for GENUS utility completion.  
Framework for integration vs. short term integration.

**General Discussion**

Arc with a status and class for the year.  
Block boundaries with a status.  
Proposed, harvested., etc.

Use existing standards of ESF (electronic submission framework), which is the standard already under consideration by DSN.

FTO – submission standard – Forest Tenure Online.

Also allows for TRIM submission – base road locations, stream locations.

Blocks – approved, proposed, harvested, license

Roads – special feature, road permit, section ID, capture ID.

Could adopt and translate to GML.

FTA – exhibit A's.

West Fraser – can submit dgn.

Genus – can submit arcshape,

But long term Genus will export GML.

Refractions  
Can do IGDS integration  
Do Shape in the short term  
Submit – Blocks, roads

### **West Fraser Group**

Submit IGDS files, 3 block layers and 1 road.

**Action: West Fraser licensees to submit blocks and road by Feb 27.**

### **GENUS group**

- Interim shape standard
- Long term GENUS export standard

Phase 1 – get base data for all existing translated

Phase 2 – with GENUS exchange used for updating

GENUS Exchange Server – exports a GML

How different is the DSN standard? Based on GENUS export.

Content is consistent, the structure is more like the ESF structure. ESF structure is requirement of project FIA funding.

**Action: GENUS group to test GENUS export to GML. By Friday Feb 20<sup>th</sup>. GENUS group to export GML or ARC shape depending on testing by Feb 27<sup>th</sup>.**

### **Block Data Model**

Keep all attributes? Keep all fields for now, with some mandatory – permit, license, block.

Drop attributes? Review in the future.

Add new attributes? Review in the future.

Temporal component to data? To review later.

### **Road Data Model**

Keep all attributes? Keep all fields for now, with some mandatory – permit, section ID.

Drop attributes? Review in the future.

Add new attributes? Review in the future.

FRMA roads – unique identifier number. Shape file of roads from BCTS. Given that they haven't fully loaded their roads to GENUS.

### **Critical Fields for Blocks and Roads**

#### **Block Layers**

Block Opening – license id, permit id, block id, source (licensee), unique id (licensee specific code so they can link back), capture ID.

Disturbance - license id, permit id, block id, source (licensee), disturbance code, disturbance start date, disturbance complete date, unique id (licensee specific code so they can link back), capture ID.

Silviculture – license id, permit id, block id, source (licensee), standard units (wtp, rmz, ...), unique id (licensee specific code so they can link back), capture ID.

SilvicultureActivity - license id, permit id, block id, source (licensee), standard unit, base technique, method, objective, start date, end date.

### **Roads Layer**

Road – status, class, road permit, section ID (road permit number section), road name, capture ID.

### **Hydrology**

Data model based on TRIM exchange.

Two stream layers:

1. TRIM stream data
2. Enhanced hydrology - Licensees have 1:5,000 stream data that we want to track and improve the stream coverage over time.

Point features included.

New attributes – fish (fish confirmed, fish suspected, no fish confirmed, no fish unconfirmed, ncd), fish species1, fish species 2, fish species 3, stream class

**Action: Bonnie will send Refractions a fish legend.**

### **Forest Health**

Data model based on TRIM exchange format.

Two Layers:

Polygon layer - green (percentage of polygon green), red(percentage of polygon red), grey(percentage of polygon grey), date, species (ibs, ibm, ibf, ibb), tree species(mof species codes).

Point layer - green (number of stems), red(number of stems), grey(number of stems), date, species (ibs, ibm, ibf, ibb), tree species(mof species codes).

Forest health data will not be submitted for this fiscal.

### **Summary of NWDSN Partner Deliverables – By Feb 27**

PIR:

3 block layers and 1 road layer with key attributes populated. IGDS files with same attributes and content.

Hydro – will try to submit IGDS layer.

Fraser Lakes:

3 block layers and 1 road layer with key attributes populated. IGDS files with same attributes and content.

Hydro - will try.

Babine:

Based on test submit GENUS GML block data and a road shape file.

Hydro - no.

Canfor – **will deliver by March 5th:**

Based on test submit GENUS GML block data and a road shape file.

Hydro - will submit some.

BC Timber Sales

Based on test submit GENUS GML block data and a road shape file.  
Hydro - will review and determine.

HFP

Based on test submit GENUS GML block data and a road shape file.  
Hydro – no.

Adjourn