

**Northwest Data Sharing Network Technical Committee Minutes: Terms of
Reference and Data Modelling session
Logpile Lodge, Smithers BC
15 December 2003**

Participants: Francois Depey – office of the Wet’suwet’en, Tom MacKinlay – HFP, Barry Watson/Jim McCormack – Canfor, Karen Perkins – Babine, Paul Schwarz/Bonnie Potulick/Gary Quanstrom – PIR, Don Morgan/Ruth Edwards MSRM, Wren Gilgan/Cheryl Delwisch– Babine TSP, Andrew Reviakin– Skeena-Stikine Field services, Agathe Bernard – Skeena TSP

Introductions

Agenda review

Objectives

Review of project

Background – research reports

Current Projects

Business Drivers

Operational planning

DFAM

SFM

FRPA – forest stewardship plans – manage for 11 key values of all resources

Increased efficiency, lower costs

Softwood

Objectives of Technical Team

Oversee Northwest Data Sharing Network technical projects

Technical project sign off

Work towards integrated data model

Manage FIA projects

- Phase 1 – local data administration, initial data identification
- Phase 2 – data modelling
- Phase 3 – data viewing and exchange
- Technical review

Standards

- Data structure, standards, review, update
- Meta data
- Land Data BC standards/Government standards

Infrastructure

- Networks
- Security

Technical Forum

- Data issues
- Technical issues

Advise Board

- Recommendations
- Guidance

Land Data BC

- Corporate data – TRIM, VEG, etc
- Doesn't manage local data, does manage a limited amount of "project" data.

Local Data

- NWDSN data may be more up to date than corporate, custodial data.
- The group will inform data custodians that they are holding a more up to date information and make it available.
- The data status will be tracked in the meta data.

Results/FTA

MoF:

- Gloria Wills is project leader
- Determined by business

Terms of Reference

Committee Objectives

- Based on above

Participants

- Francois Depuy – office of the Wet'suwet'en
- Tom McKinley – HFP
- Barry Watson – Canfor
- Jim McCormack – Canfor
- Karen Perkins – Babine
- Paul Schwartz/Bonnie Potulick – PIR
- Don Morgan/William Elliott – MSRM
- Scott Emmons – UNBC
- Wren Gilgan – Babine TSP
- Andrew Reviakin/Glen Buhr – Skeena-Stikine Field services
- Agathe Bernard – Skeena TSP

Other domain experts as required

Chair – Executive director is the chair of the technical committee – to report to the board

Other duties as required.

Proceedings

- Decisions are consensus based, if consensus can't be reached then the NWDSN board is to decide.

Refractions

GENUS

- Standard blocks, roads and silviculture (harvesting, planting, site prep, etc)
- All else is managed outside of GENUS as local data.
- Arc Map can do multiple connects, including GENUS data.
- GENUS – data exchange direct link to RESULTS/ETAS/FTA/as built road electronic submission. What data is included, does it meet other requirements?
- RESULTS and other current gov't standards
 - Refractions is working with Lignum on their RESULTS submission.
 - Use GENUS translator to dump into NWDSN as well as government submission, if format contains all the required attributes. Other wise an interim data standard will be required that contains all the required attributes.
 - PIR paper submission in interim, looking at other forest management systems.
- Integrated Veg layer – MSRM long term, no verification structure in place
 - How to get forest cover in short term? Veg updates are following the TSR schedule.
- Get blocks and roads, including past data to last forest cover update.
- Consolidate forest stewardship plans.
- Ortho photos – on line – (see slkbgm.idir.bcgov1.imgwhse)
- How to manage data reconciliation and data consolidation? Ortho photo check, procedures to manage data merging.

Refractions

Who is sharing data.

- corporate data, local versions. Comparison table. A directory of “local” data that can be checked to determine if a local more up to date version of corporate data is available.
- Data is shared under a security model. Some data will be shared with participants, public, between specific participants, government agencies and Land Information BC.

Integrated data sets

- roads, blocks – under the FIA contract data translation is only one into the government format, possibly through an interim standard to manage. Participants will use integrated data sets as shape, geodatabase, E00 format.
- What attributes to consolidate? Only those that are common, a sub set of attributes? Group needs to identify, what is required in the consolidated data set?
- Current and future roads, blocks, etc. Manage as a single data set, with status.
- Archiving, versioning – data is archived annually and vaulted.
- Blocks proposed uploaded. Entire thing is updated periodically by participants up loading their data, semi-annual or annual process, maintenance of translators would be required as data formats and standards evolve. Consolidation would be automated, however it would require verification by participants.
- Roads – who is custodian? Named – road permit or road use permit or operating area? Deactivations revert back to MoF. Primary maintainer, use, chart area.
- Will use all submitted roads, plus the Babine TSP, and possibly MoF, updated roads (Jamie Ballard), translate and display. The technical group will re-convene to develop a process to reconcile boundary differences, overlaps and joining.

- Road attribute requirements? Same data as RESULTS.
- As-built Roads Electronic Submission (ARES) - acquisition requirement – any as built road will be integrated into TRIM – Jim will forward ARES doc to the group.
- Hydrology – load all submissions and group will put a process in place to reconcile differences. Have a “source” field identifying if the source, ortho, GPS, TRIM, etc. Also carry stream class, Forest Practices Code S1 to S6, lakes and wetlands class.
- Fish habitat, tied to streams – include existing fish information, if available.
- Water licenses - point hydrological features – blockages, points of diversion, etc.
- Watersheds – will use existing 3rd order corporate coverage. Will explore availability of 1st order 1:20,000 watershed mapping.
- Forest health – Spruce and pine beetle risk rating – hazard plus overview information, Jim McCormack is contact. PMOIS – Pest Management Overview Information System, used by Nadina and Bulkley DFAMs, Jim McCormack will provide. Forest hazard – rating of forest cover, in the future could be done in house.

Data Models

- Babine, HFP and TSP have gone to GENUS as their forest management systems and have adopted GENUS’s block and road data model, resulting in a change of source data model.

Integrated Data Sets

Operational Data Sets

- Blocks
 - RESULTS silviculture
 - FTA – exhibit A
 - ?
- Roads
 - ARES
 - FTA

Biophysical Data Sets

- Hydrology
 - Stream Segments
 - Points (Water licenses, obstructions, reach breaks, fish sample site)
 - Lakes, wetlands and double line streams

Forest Health

- Hazard rating
- Risk rating
- PMOIS

Strategic Data Sets

- Administration
 - Ownership
 - Trappers
 - Guides
 - Range Lease Permits, and licenses
 - Agricultural Land Reserve
 - Operating Areas/DFAM
 - TSA

- Landscape Units
- Protected Areas
- Provincial Forest
- PSYU
- Region and Compartment
- Forest Inventory Zone
- Cultural
 - Traditional Territories
 - Arch overview
 - Cultural Heritage
 - Heritage Trails
- Land Management
 - Visual landscape inventory/VQO
 - Ecosystem Networks
 - Operability
 - THLB
 - LRMP zones
- Wildlife
 - UWR,
 - Caribou,
 - Grizzly Bear,
 - Goshawk,
 - Mountain Goat,
 - Moose
- Biophysical Data
 - Vegetation
 - Watersheds
 - BEC
 - PEM
 - Terrain Stability Mapping
 - Slope
 - Aspect
 - DEM
 - Soils
- Tourism Data
 - Recreation Opportunity Spectrum
- Mining Data

Next meeting 13th January, 2004 - Canfor Houston.