

Minutes from the meeting with the StanForD-group 2001-10-22

Place: SkogForsk, Uppsala, Sweden

Present: Dan Norman, Caterpillar
Magnus Wijk, CC Systems AB
Jörgen Eriksson, ESE Technique
Joakim Nygren, Haglöf Sweden AB
Jaakko Mäkinen, Mitron Oy
Timo Hokka, Metsäteho
Tapio Räsänen, Metsäteho
Juha-Antti Sorsa, Metsäteho
Ola Söderlund, Partek Forest
Tuomo Vuorenpää, Partek Forest
Stefan Falk, Rottne
Anders Hansson, SCA
Joar Stenslökken, Silvinova
Leif Orth, Södra
Leif Johansson, Timberjack Sales AB
Sakari Suuriniemi, Timberjack
Mika Talola, Timberjack Oy

From SkogForsk: Bertil Lidén, Secretary
Jan Sondell, Chairman
John Arlinger

§1 Opening of the meeting

Jan Sondell opened the meeting. The proposed agenda was accepted.

§2 Revision of priorities

As a part of the project StanForD-XML Metsäteho and SkogForsk had had a working meeting in August where they evaluated all the variables for apt, prd, pri and stm-files. In many cases the descriptions had been improved and for a

number of variables new priorities had been suggested. The secretary presented the main changes and it was decided that the proposed changes remain open for comments and suggestions for two weeks. After eventual corrections attached to last version of these minutes the new priorities will be confirmed.

Identifier

The need for an unambiguous identifier for each file was discussed. It was decided that the description of var2t1 should be changed to “The *identity* of the apt-file”.

§3 Development of StanForD towards XML

Tapio Räsänen informed about this joint project, carried out by Metsäteho and SkogForsk. Juha-Antti Sorsa presented examples of pri and prd files in “XML mode”. These files will be available at the web page www.skogforsk.se/marknad/stanford.

In the discussion that followed it was emphasized that the structure of StanForD would be considered and revised in order to create an efficient standard. The file examples ought to be developed into at least two or three alternatives for each file type. The manufacturers will be interested to comment on the development and examples.

§4 Manually bucked logs

A report from a working group was discussed. It was decided that manually bucked logs should be saved in a separate pri-file. This file should not affect the ordinary prd-file. If the bucking computer is working with pri-file as default, the data for the manually bucked logs can be integrated with the pri-file in use with its own types and identities.

§5 Randomly generated stm-file

It was discussed how to sample stems for control measurement. A proposal will be formulated in the minutes:

In variable 361, SAMPLE, the interval between the sampled stems is defined:

VarNr	Name	Type	DataType	Unit	Description
361	SAMPLE	4	Integer	Code	Code stating the type of interval between samples: 1 = Number of stems 2 = Time 3 = Volume

§6 Control of bucking in Norway

Joar Stenslökken informed of a special system for control of harvester bucking in Norway. A similar system named Aptupp is used in Sweden. It was decided that systems like Aptupp and the Norwegian one should be outside StanForD.

§7 New variables

The variables below were decided. *Changes are written in italic style.*

Price category

VarNr	Name	Type	DataType	Unit	Description
161	PRICECAT	1	Integer	Code	Price category/price matrix/tree species where 1 = price/m3 (volume by small-end diameter); 2 = price/m3 (solid); 3 = price/log; 4 = price/m3 (Norwegian price category) 5 = price/m3 (Swedish top and butt end measuring); 6 = price/m3 (solid, measured at midpoint, price due to small-end diameter, HKS diameter, German price category) 7 = price/m3 (solid, measured at midpoint, price due to midpoint diameter, HKS diameter, German price category) 8 = price/m3 (solid, measured at midpoint, price due to midpoint diameter, (Danish price category) 9 = price/board feet (American price category) 10 = price/m3 (solid, diameter measured at midpoint, price due to small-end diameter) diameter in mm 11 = price/log (Norwegian price category) If the price applies to volumes including bark, add 128 to the price-category number, e.g. m3 (solid o.b.) = 130: 1...var116/1...var111 All the codes are described in detail in appendix

In an appendix to StanForD all the price categories will be defined and described in detail.

Free bucking

VarNr	Name	Type	DataType	Unit	Description
119	FREEBUCK	1	Integer	Code	Code stating if bucking is permissible to any length between min and max limits according to var132 except for those lengths stated in var190t2. 0 = No; 1 = Yes; 2 = Yes, <i>only for top logs</i> : 1.. var116/ 1... Var111

The age of the stand

Var800 STANDAGE was changed to var660.

Variables for monitoring

VarNr	Name	Type	DataType	Unit	Description
3	MCHNNO	3	String	Code	<i>Manufacturer and type of machine,</i> <i>xxyy where xx=manufacturer and yy=type</i> <i>Manufacturer:</i> <i>00 = All</i> <i>01 = Timberjack</i> <i>02 = Partek</i> <i>03 = Rottne</i> <i>04 = Ponsse</i> <i>05 = Gremo</i> <i>06 = Caterpillar</i> <i>07 = TigerCat</i> <i>99 = Other(Not defined)</i> <i>Type:</i> <i>00 = All</i> <i>01 = Harvester</i> <i>02 = Forwarder</i> <i>03 = Harwarder</i> <i>99 = Other(Not defined)</i>
316	RUNTIME	4	String	Code	<i>Production number</i>
		5	String	yyyy	<i>Year of manufacture</i>
		6	String	text	<i>Registration number</i>
		3	Integer	Code	<i>Type of time 1...var316</i> <i>1= Total time</i> <i>2= G0</i> <i>3= G(t) due to var315</i> <i>4= Engine</i> <i>5= Crane</i> <i>6= Harvesting unit</i> <i>7= base machine</i>
334	REPAIR	4	string	text	<i>Description of times</i> <i>1...var316t1</i> <i>See appendix nr x</i>
		1	Integer	number	<i>Number of units to be repaired</i>
		2	String	Text	<i>Description of units to be repaired</i> <i>1...var334t1</i> <i>See Appendix x</i>
		3	Integer	Number	<i>Number of defects per unit to be repaired</i> <i>1...var334t1</i>
		4	String	Text	<i>Description of defects.</i> <i>See appendix x</i>

The appendix x is not available with the minutes. Therefore the proposed variables will be decided in the next meeting in April 2002.

Certified forestry

Proposed by Metsäteho a new type 5 in var21 was decided:

VarNr	Name	Type	DataType	Unit	Description
21	SITENO	5	Integer	Code	Code to express if the logging site is certified or not: 0 = Not certified 1 = Certified

Variables for distance and density

Proposed by Partek the following variables were decided:

Production of forwarder in pri and prd-files

VarNr	Name	Type	DataType	Unit	Description
258	DISTANCE	1	Integer	Km	Covered distance
		2	Integer	Km	Covered distance/operator: 1...var211
		3	Integer	Km	Covered distance/operator/number of loads: 1...var211/1...var228

VarNr	Name	Type	DataType	Unit	Description
169	DENSITY	1	Integer	Kg/m3soild u.b.	Density/price matrix/tree species: 1..var116/1..var111
		2	Integer	Kg/m3solid o.b.	Density/price matrix/tree species: 1..var116/1..var111

§8 Clarification and definition of variables

Empty variables

In different studies SkogForsk has noted that some variables in e.g. the prd-file is registered even if the variable is “empty” and has no value. In the main document there will be added a text that says “That an important principle of the standard is that present variables shall contain data in other case they should not be included in the file content”.

Standard matrix for unclassified timber

In the meeting of April 2001 it was said in §7 “The unclassified timber can be defined in a price matrix”. After discussion it was decided, “If and when the unclassified timber is used it should be defined with the format of a price matrix with the length and diameter classes decided in April 2001”.

Definition of var241 TOTALVOLUME

This variable is used differently in Sweden and Finland. No common definition could at present be agreed upon. This is an unsatisfactory situation and the problem must be considered at the next meeting.

Definition of var19, var20, var12 and var17

These variables were discussed. The secretary was assigned to make a study in order to create a better description of the variables. The study should also show some examples of the use of the variables for time and date.

§9 Items for discussion and information

Stem type

This variable is not used in Sweden, but in Finland it is mandatory due to legal directives concerning log measurement in the harvester. Thus the variable will remain in the standard.

Pulp wood matrix

The need for a special marking of pulp wood matrices was discussed after a proposal from Jörgen Eriksson. There was no common need among the participants for such a special marking. (The problem will be further investigated by SkogForsk.)

§10 Standard for data exchange between machine control systems and other applications

The secretary reported from an on-going work and the problems to find an XML-expert with time available to support the group. New versions of the current document will be published on the web site.

§11 Other StanForD issues

Use of var190 MAXLOG in Finland

Tapio Räsänen informed about the use of var190 in Finland. The secretary will make a better definition of var190 in the standard document.

Change of secretary

During the coming months John Arlinger will gradually take over the task as StanForD secretary.

§12 Next meeting

Next meeting will take place on Monday April 8th 2002 at SkogForsk in Uppsala with start at 10.00 a.m. Proposals for the meeting shall be the secretary by hand not later than on February 8th 2002.

§13 End of meeting

Jan Sondell closed the meeting.

Secretary

Bertil Lidén