

Minutes StanForD2010

2016-02-04

Place:	Phone meeting, 12:00-12:40 CET
Participants:	Teemu Paldanius, Ponsse Pasi Palonen, Parker Antti Korkiakoski, John Deere Tapio Räsänen, Metsäteho Jonas Thorsson, Dasa Lars Henriksson, SDC John Arlinger, Secretary Johan J. Möller, Chairman Participated in a separate discussion at 13:00 Mikael Eliasson, LogMax Fredrik Thernberg, Komatsu

§ 1 Opening of meeting

Johan J Möller opened the meeting. Due to some mistakes Mikael Eliasson and Fredrik Tjernberg did not attend the formal decision meeting but all decisions were discussed with them after the meeting without any objections being raised.

§ 2 Agenda

The agenda was accepted by the meeting.

§ 3 Suggested updates to Pre-Release 3.2 after meeting in November

POSSIBLE NEW STEM ELEMENT "RANDOMSTEMNUMBER"

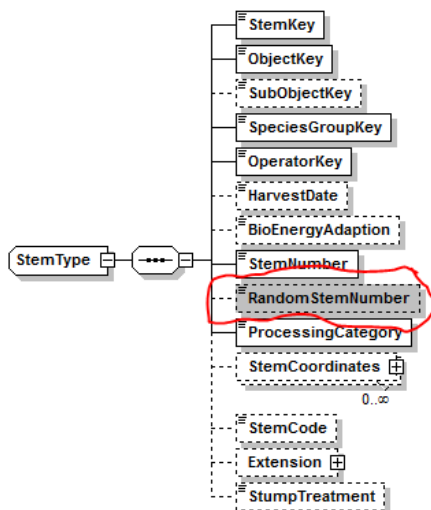
Variable 270, type 2, in the classic StanForD version was used for registering a running number per randomly selected control stems. The definition of var270_t2 is:

“Unique number of randomly sampled stem, used for identifying control stems. Should be 0 (or excluded) if not sampled for control. Possible for operator to reset/set. To be used even if stem is not used for control measuring (rejected according to var38)”

In most cases this variable was used for determining whether a stem was randomly selected or not. However, the original reason for introducing this variable was to use this number for marking a stem with a paper or plastic marker applied with a hammer.

Var270_t2 is normally a sequential number which means that it is increased by one for every randomization. It was discovered lately (4th of December) that this variable also has been used in order to quickly determine if any randomly selected stems has been lost or not. The loss of a control stem might be caused by deleting a stem in the caliper or by some errors in sending the file to or from the caliper. It is today with the hqc-files not possible to determine if a randomly selected stem has been lost or not.

A simple solution to this problem could be to add a new optional element RandomStemNumber to the stem structure in hqc and perhaps also the hpr-file as illustrated below:



Name	Description	Unit	Type
Random-StemNumber	Number for randomly selected stem. A running / sequential number never reset. The number is increased with one every time a stem is randomly selected even if the stem is rejected or lost. Identical with old var270_t2	sequential no	Positive integer

Jonas Thorsson, Dasa, commented before the meeting that he would prefer not to add another stem-number. Instead he would suggest that we add a strong recommendation (requirement) that all manufacturers always make certain that also randomly selected stems “not measured but accepted” are always included in the hqc-file (e.g. made available to SenderXC).

The following example illustrates how this has been handled in hqc from Dasa Forester where the third stem (StemKey 381892) was accepted but not measured

by the operator (only measured by machine). Observe that a number of elements have been excluded in order to give a readable figure, file is thus not valid.

Stem (3)	StemKey	Proc...	ControlMeasurementDefinition	ControlStemInfo	SingleTreeProcessedStem
1 379649	SingleTree Processing	logMeasur... Operator Measurer CaliperAp... SKALMAN B7.12 CaliperID 30408	RandomControlS... Not rejected RandomControlS... Randomly selected stem	DBH 297 StemDiameters diameterCategory=Over bark Log (2) LogKey LogMeasurement 1 1 logM... LogDia... 1 Machine LogDia... 2 Operator LogDia... 2 2 LogMeasurement (2)	
2 380588	SingleTree Processing		RandomControlS... Poor weather RandomControlS... Randomly selected stem	DBH 151 StemDiameters diameterCategory=Over bark Log (2) LogKey LogMeasurement 1 1 logM... Machine Meas... 2015-12-21T15:00:42+01:00 2 2 LogMeasurement logM... Machine	
3 381892	SingleTree Processing		RandomControlS... Not rejected RandomControlS... Randomly selected stem		

The advantage with this solution is that it does not mean any change to the standard schemas and thus can be implemented at once for all standard versions. It also gives all possible details regarding these trees (time, coordinates, operator etc). The only change required is to add a new rule.

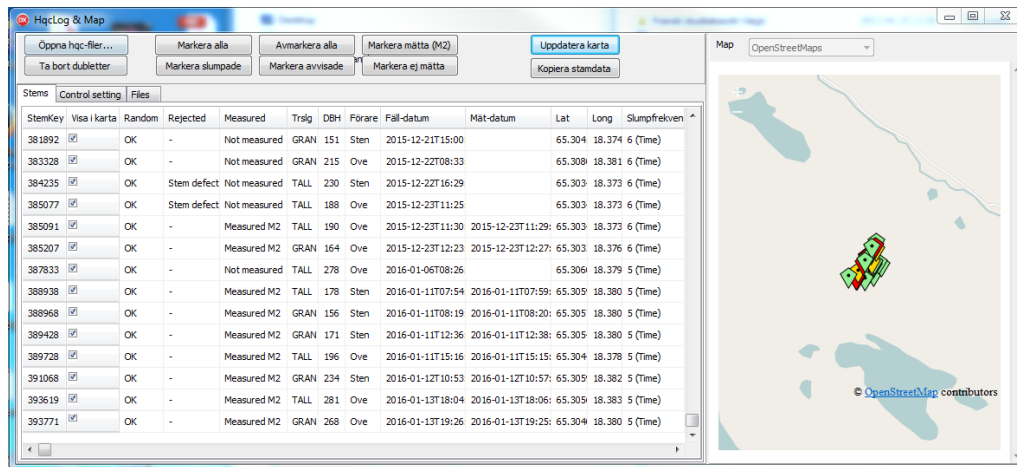
The disadvantage is that this solution differs significantly from how var270_t2 in the old ktr-file.

Skogforsk therefore withdraw the proposal for a new RandomStemNumber.

No one at the meeting opposed the idea of always including also “unmeasured” random control stems in hqc-files. The meeting decided to postpone the issue to the meeting in April since the present proposal does not mean any change to the XML-schemas.

During the discussion with Fredrik and Mikael (after the original meeting) it was discussed whether it would be acceptable to always generate an hqc directly after randomization. If this simple functionality is implemented it would mean that every random control stem is always reported both measured and un-measured by the operator. This is definitely an acceptable solution from a Swedish perspective. If StemKey is used it is simple to determine whether an unmeasured stem has been measured at a later stage.

The following figure illustrates a demo-software for analysing hqc-files were rejected, measured and unmeasured stems are all reported:



§ 4 Decision to implement 3.2 Release

The meeting decided to publish the final “version 3.2 Release”.

§ 5 Other issues

No other issues.

§ 6 Next meeting

Regular StanForD2010 meeting in Vantaa 4th – 5th of April 2016, starting at 12:00.

§ 7 End of meeting

Johan thanked everyone for their participation.