



Arlinger John

2019-02-11

## Minutes StanForD2010

2019-02-07

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Place:        | Skype meeting, 13.00-14.00 CET                                                                                                                                                                                                                                                                                                                                                                                                            |
| Participants: | Jeremy Gibson, ForestPHD<br>Ian Wilson, Interpine<br>Niclas Eriksson, Komatsu<br>Hernik Person, LogMax<br>Antti Härkänen, Ponsse<br>Antti Hyllonen, Ponsse<br>Antti Korkiakoski, John Deere<br>Timo Melkas, Metsäteho<br>Jonas Thorsson, Dasa<br>Lars Henriksson, Biometria<br>Fredrik Tjernberg, Komatsu<br>Sara Holappa Jonsson, Skogforsk<br>Pasi Palonen, Parker Hanafin<br><br>John Arlinger, Secretary<br>Johan J. Möller, Chairman |

### § 1 Opening of meeting

Johan J Möller opened the meeting.

### § 2 Agenda

The agenda was accepted by the meeting.

### § 3 Updates added to 3.5 at meeting 2018-11-20

- Next version to be implemented is 3.5.
- Element Extension to be added to following structures: Tracking, GeographicDirective, GISLayer in ogr/ogr.
- Element GISCoordinateReferenceSystem added to include information about coordinate system for each layer (under element GeographicDirective).

- Element GISLayerGroup (with childs GISLayerGroupUserID, GISLayerGroupName, GISLayerGroupUserID) added to have a new mechanism for grouping layers together in the GUI .
- Decided with the minutes that we add GISLayerUserID and GISLayerModificationDate.
- New repair reason added:  
Repair- basemachine - mechanical -engine heater/motorvärmare
- Decided with the minutes that “Refilling addblue” is included under MaintenanceStandardCodes.
- Decided with the minutes that we include enumeration value “Waiting for other machine production”.
- Fedor Stazenko will discuss this issue of “engine time line” further with Mikhail Shilov and Teemu Paldanius in order to find out if there is a useful technical solution until next meeting.
- New enumeration value “Default” with the following new description in OtherMachineDownTimeStandardCode:  
*Allowed values: "Waiting for repair", "Trailer transportation", "Unproductive terrain work", "Other", "Default".*  
*“Default” used only in cases where operators have not registered any reason at all.*  
*“Default” not to be available in GUI and only generated by control system. “Default” to be used in system where down time reasons are disabled or there is a “time-out”.*
- New enumeration “m3 (price) Estimated” added to attribute logVolumeCategory.
- Secretary to make a new delta-hpr proposal until next meeting which will only include the Stem structure as well as the MachineKey.
- Following updates in order to include feller-bunchers in Stanford:  
Add new boi-schema (feller buncher instruction)  
- Add new messageType (boi)  
- Delete ProductUserID, DiameterSection (comparing with oin).  
- Add repeatable SpeciesGroupUserID instead of ProductUserID  
Add new bpr-schema (feller buncher production)  
- Add new messageType (bpr)  
- Add new machineCategory (FellerBuncher)  
- Delete Grades, EstonianVolume, BarkFunction, ProductDef, ProcessedStems (comparing with hpr).  
Update of mom (operational monitoring)  
- New machineCategory (FellerBuncher)
- Element “CableTractionAssist” was added to the Tracking in both hpr, fpr, bpr and mom schemas):
- The issue of updating DiameterSection was postponed to the February meeting.

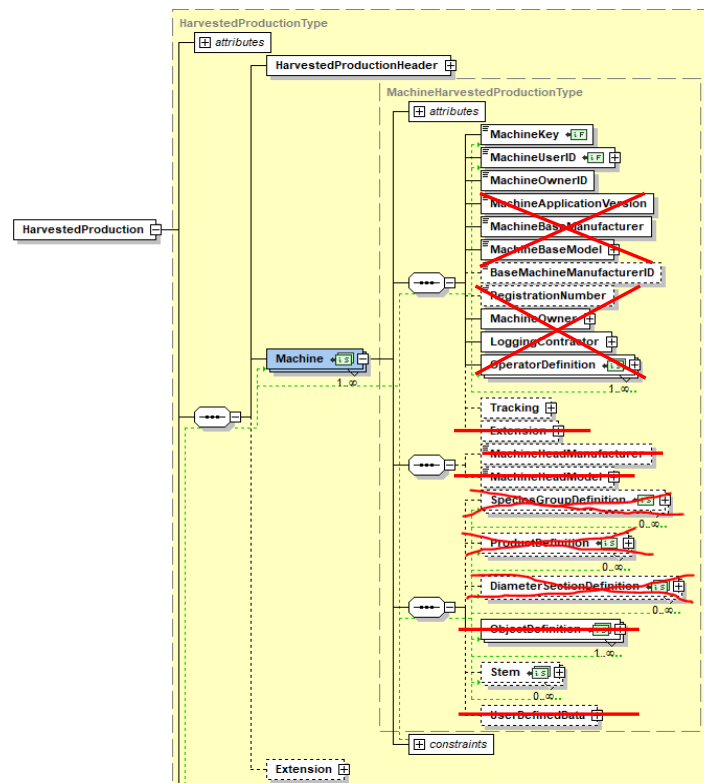
- Definition of DiameterSectionLimitPosition updated according to the following text:  
*Height of the registered diameter section limit value of diameter sections. Height from the butt end of log. The last DiameterSectionLimitPosition for each log must be equal to the length of the log. DiameterSectionProduction never to include Unclassified logs.*
- An updated nomenclature document (translation into English, Swedish and Finnish) will be published at [www.skogforsk.se/StanForD](http://www.skogforsk.se/StanForD). To be updated with French in 2019.

The secretary also presented how to handle the French mid-measured volume unite (“NF B53.020 français” /”French NF B53.020”). All details are included in the minutes from last meeting (2018-11-20). Observe that this unit is very similar to the “HKS mid” with the main difference being that it is on bark. This means that in case of using an apt-file var161\_t1 should have the value 135.

## § 4 Items to discuss

## NEW SCHEMA FOR A DELTA-HPR

The secretary presented a new beta schema for “delta-hpr” (hpd) where basically all definitions have been excluded as illustrated below:



This schema was created based on a telephone discussion with Niclas Eriksson, Komatsu (2019-01-21). This beta-schema is to be distributed with these minutes.

The main issue is how to communicate all relevant definitions like ProductDefinitions, ObjectDefinitions, OperatorDefinitions etc. This issue is to be discussed at the next meeting.

Below are two different use cases for reporting of hpd:

1. A stem sent only once, hpr used when products are updated:

| Stems        | File type          | Definitons               |
|--------------|--------------------|--------------------------|
| Stam 1       | Hpr (1 message)    | Complete set of products |
| Stam 2-432   | Hpd (431 messages) |                          |
| Stam 433     | Hpr (1 message)    | Only modified products   |
| Stam 434-937 | Hpd (504 messages) |                          |

2. Hpr and hpd sent parallell (a stem sent both in hpr and hpd):

| Stems                       | File type          | Definitons               |
|-----------------------------|--------------------|--------------------------|
| Stam 1-937                  | Hpd (937 messages) |                          |
| Stam 1-351 (e.g. 1/shift)   | Hpr (351 message)  | Complete set of products |
| Stam 352-620 (e.g. 1/shift) | Hpr (269 message)  | Complete set of products |
| Stam 621-937 (e.g. 1/shift) | Hpr (317 message)  | Complete set of products |

## LIGHT MOM

The secretary gave a brief presentation of the discussion regarding a new “light mom” at the last meeting.

The conclusions from some different discussions that the secretary has had so far are:

- Not comparable to mom! Not replacing mom!
- When and how to use it?
  - Cannot be used in a mom-system but maybe still relevant.
  - Target group: Manufaturers? Contractors? Forest company?
- Mom on tracked harvesters is messy! All signals not always available!
  - Maybe attribute indicating if signals from base machine are not available?

## § 5 Other issues

No additional issues.

## § 6 Decision to implement 3.5 Release

The meeting decided to publish “version 3.5 Release”.

## § 7 Next meeting

Regular StanForD2010 meeting in Vantaa 3<sup>rd</sup> – 4<sup>th</sup> of April 2019, starting at 12:00 EET and ending at 16:00 EET.

## § 8 End of meeting

Johan thanked everyone for their participation.