



Arlinger John

2018-02-08

Minutes StanForD2010

2018-02-06

Place:	Skype meeting, 09.00-11.00 CET
Participants:	Teemu Paldanius, Ponsse Antti Korkiakoski, John Deere Tapio Räsänen, Metsäteho Timo Melkas, Metsäteho Jonas Thorsson, Dasa Lars Henriksson, SDC John Arlinger, Secretary 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 3.4 at meeting 2017-11-22

- Decision (2017-04-25—26) to update the definition of attribute diameterPosition in the hqc message:
Control position for diameter measuring from butt end of log. Used for log diameter vector (element ControlLogDiameter). The value must be the same for all logMeasurementcategory (Machine, Auditor, Operator). Element is used to connect diameter values measured by Machine, Auditor and Operator
- New EnvelopeTransmissionAcknowledgement schema to be included in StanForD version 3.4.
- Coordinates to be registered with 7 decimals since 5 decimals gives too low precision. New description: *Longitude/ Longitude, absolute value. Preferably 7 decimals to be registered. Registered according to coordinateReferenceSystem and receiverPosition.*

- New logistic type bark function to be included.
- Coordinates for downtimes in mom files added.
- Extension element added to CoordinateType.
- Optional attribute countryCodeCategory added to element CountryCode.
- New elements TrackingKey, ObjectKey and SubObjectkey added to Tracking structure. Aggregated reporting of coordinates in Tracking should be avoided.
- SubObjectKey element added to PartialLoad in fpr file in order to make it possible to analyse forwarded volums per SubObject.
- Rule 2.3 is updated with a comment pointing out that the schemas are case sensitive and that assuming “non-case sensitive” probably will cause problems in some systems.

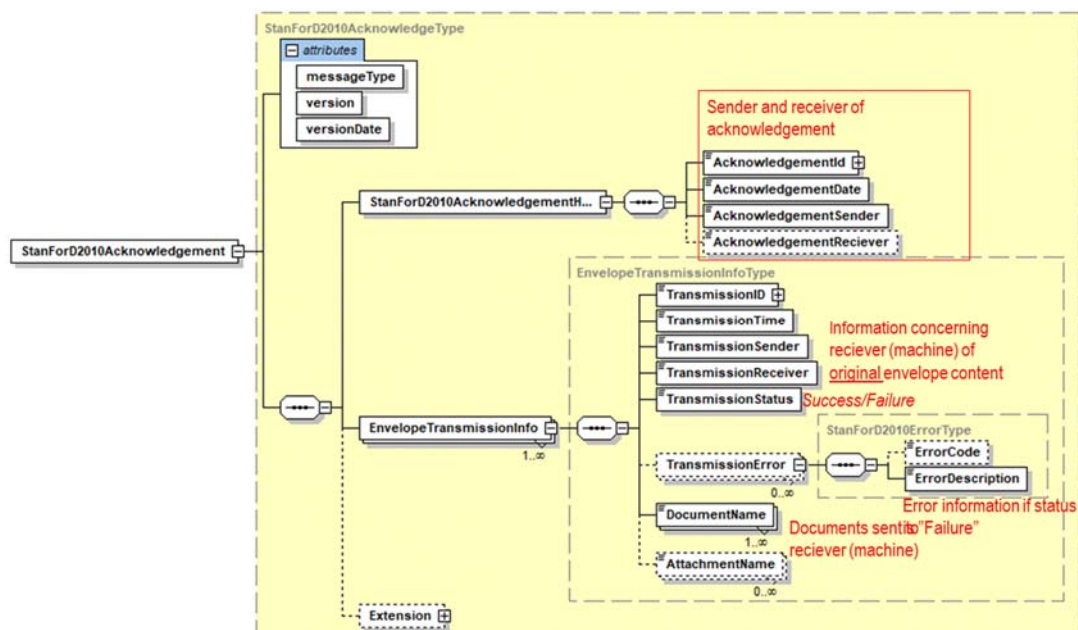
§ 4 Proposals for StanForD2010EnvelopAcknowledgement

DESCRIPTION OF ENVELOPETRANSMISSIONINFO

John Arlinger, Skogforsk.

It was decided that the description of element EnvelopeTransmissionInfo is updated according to the following text:

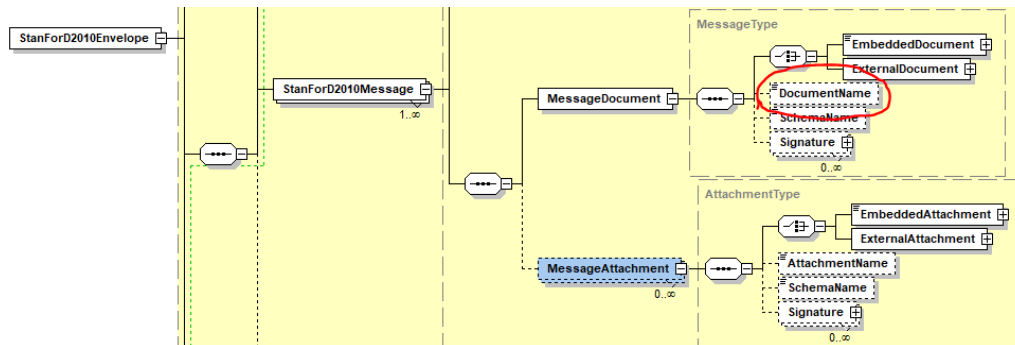
The unique TransmissionId of original StanForD2010 envelope being acknowledged. Following elements must be identical with original envelope being acknowledged: TransmissionID, TransmissionTime, TransmissionSender, TransmissionReceiver, DocumentName, AttachmentName.



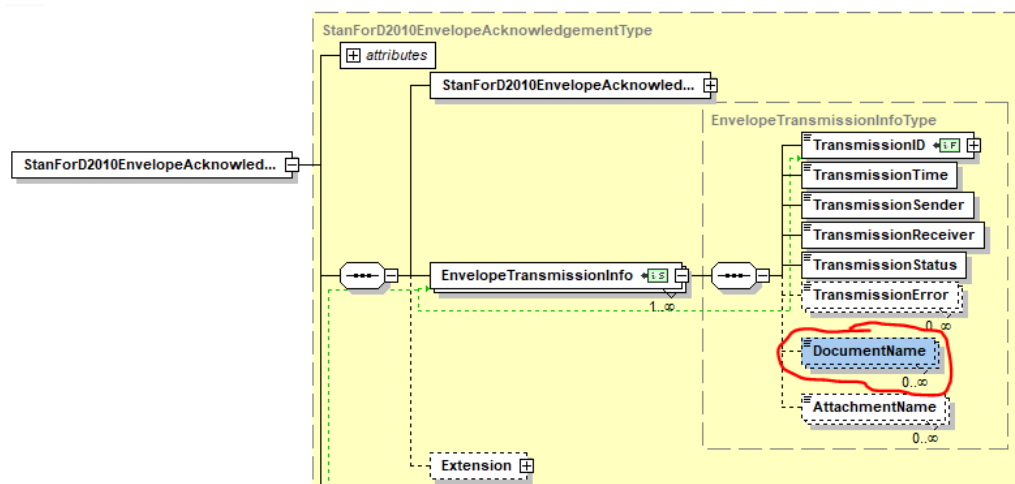
OPTIONAL DOCUMENTNAME

Comment from Lars Henriksson and Henrik Bengtsson, SDC, 2018-01-17.

When studying the StanForD2010EnvelopeAcknowledgement it was discovered that element DocumentName is mandatory (1..∞). This is problematic since DocumentName is optional in the StanForD2010Envelope as illustrated below.



It was therefore decided that the document name is made optional in StanForD2010EnvelopeAcknowledgement as illustrated below.



§ 5 Decision to implement 3.4 Release

The meeting decided to publish “version 3.4 Release”.

§ 6 Items to discuss

GDPR AND PERSONAL DATA

From the last minutes:

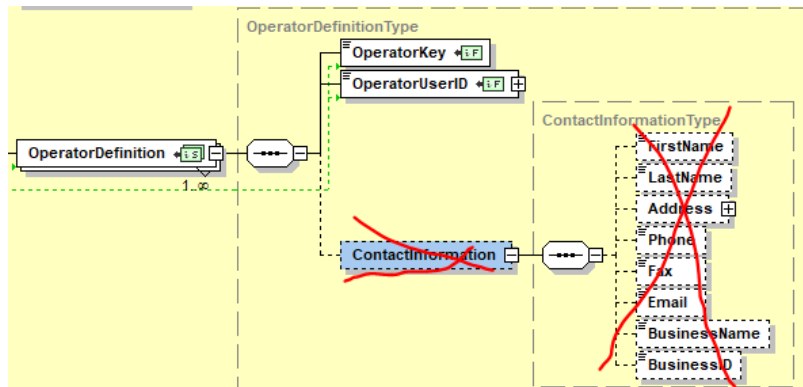
This is a hot but rather confusing Swedish discussion as well. The discussion often involves aspects relating to both law, technology and business relationships

What does it mean to StanForD? Anything? No one at the meeting had any clear answers.

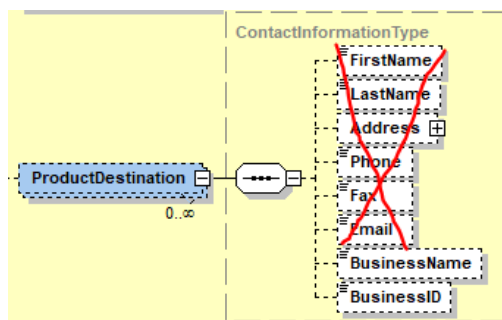
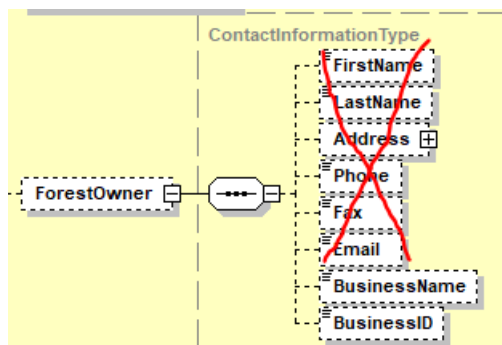
There are different ways of making it possible to exclude personal id data already in the machine if needed:

- *Machine setting to exclude ContactInformation?*
 - *Only OperatorKey & OperatorUserID included.*
- *Machine setting to use only one single “anonymous operator”?*

From a Skogforsk perspective the best solution is to have a setting whereby the ContactInformation for Operator can be completely emptied. A receiver of e.g. an hpr-file cannot identify any person in this case. It is still possible to see whether a machine is operated by one or several different operators.



It would probably not be controversial to also have a setting in order to exclude personal information (FirstName, LastName, Address, Phone, Fax and e-mail) also for and ForestOwner, LoggingOrganisation, MachineOwner, LoggingContractor, ProductBuyer and ProductDestination. It is, at least from a Swedish perspective important that BusinessName and BusinessID are not removed from ProductBuyer and ProductDestination.



It was suggested by Teemu Paldanius that we make a distinction between contact information (FirstName, LastName, Address, Phone, Fax and e-mail) registered in the machine vs those elements originally sent from the forest company.

A suggestion could thus be that we implement a machine setting whereby only contact information registered in machine is excluded:

- MachineOwner
- LoggingContractor
- OperatorDefinition

This issue will be discussed again at the next meeting.

Tapio Räsänen also informed the meeting that the national Finnish recommendation concerning use of data from forest machines has been completed and also translated into English. This document will be distributed to the StanForD members.

NEW MESSAGEGUID TO DISCUSS

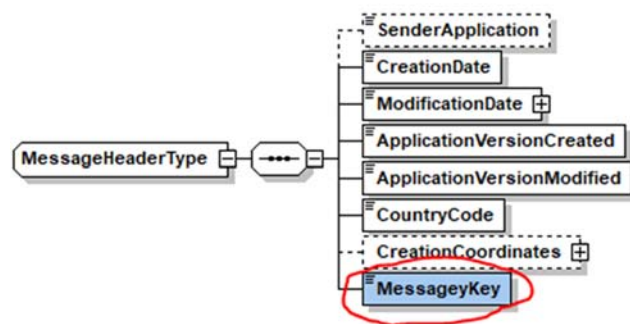
Preliminary suggestion from Per Knutsson, SDC, 2017-12-04.

StanForD files will typically be processed in several steps inside an administrative system. Per gave the example of an hpr file being sent from ROM (harvester application) to VSOP to GIN to VSOP/RAPS/VIRRE and then in some cases back to ROM.



CGI has a need for tracking the files and nothing would be better than a GUID.

A preliminary idea could be that we add a new mandatory element MessageGUID/Key to the header of each file. This GUID is written when the file is created and then never ever changed. The idea would be to include this with version 4.0.



HQC-DICUSSION 2017-12-19

A separate hqc-meeting was held in Vantaa 2017-12-19 with the following participants: Tapio Räsänen, Timo Melkas, Antti Korkiakoski, Antti Uurtamo, John Arlinger, Johan J. Möller and Joakim Nygren. Notes from meeting below in italics.

Background

How to register control diameter positions in hqc has been discussed during the last couple of StanForD meetings. It was decided, prior to the previous meeting, to arrange a separate hqc-meeting in Finland to discuss this issue with a representative from Masser being present.

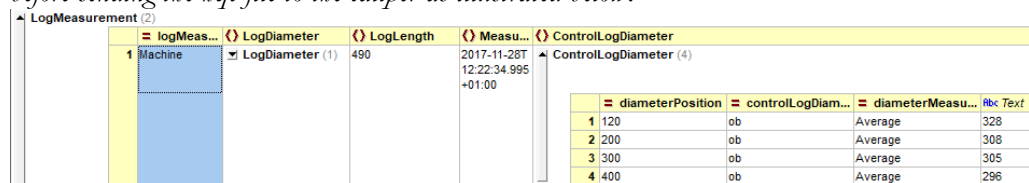
Discussions and conclusion

Three separate questions, raised by Masser, was discussed at the hqc-meeting:

1. Having a diameter vector per dm means that interpolations must be done since the control measurements are normally done in between these dm-modules.
2. Today the exact positions for control measurements must be determined by the caliper. The harvester does not tell the caliper where to measure as was the case with the old sti-files. This means that the caliper must have a setting for different markets in order to extract the correct control positions as e.g. these positions are located in a different way on the Swedish versus the Finnish markets.
3. Definition of attribute diameterPosition has changed (decided in meeting 2017-04-26). Control position for diameter measuring from butt end of log. Used for log diameter vector (element ControlLogDiameter). ~~The value must be the same for all logMeasurementcategory (Machine, Auditor, Operator). Element is used to connect diameter values measured by Machine, Auditor and Operator.~~ diameterPosition in element ControlLogDiameter can have a different value in different LogMeasurementcategory (Machine, Auditor, Operator). This change should be noted in harvester calibration and analysis software.

Two different solutions were discussed at the hqc-meeting:

1. The resolution of the diameter vector could be increased from dm to cm without any changes to the hqc schema being needed. This means that no interpolations would be needed any more. Joakim Nygren tested to create an hqc with diameter vector per cm after the meeting. The file size increased from 93 kb to 180 kb and the time for parsing increased from 2 sec to 7 sec. Whether this is a significant problem or not is an open issue. Masser also tested with diameter vector per cm. File size was 109kb and increased to 284kb, parsing time increased from 0.010s to 0.011s. No problems with bigger file sizes or diameter vector per cm.
2. A different solution could be to register the control diameter positions in the harvester before sending the hqc-file to the caliper as illustrated below:



	diameterPosition	controlLogDiam...	diameterMeasu...	Rbc Text
1	120	ob	Average	328
2	200	ob	Average	308
3	300	ob	Average	305
4	400	ob	Average	296

Today this data is normally created by the caliper based on the diameter vector. Pre-defined positions are already today supported by the Digitech caliper as it is already in use when carrying out auditor measurements. Pre-defined and undefined positions are already supported in all Masser caliper products in calibration and auditor measurements.

The hqc-meeting decided to discuss these two separate solutions at the upcoming StanForD meetings. Both solutions can be implemented without any schema adjustments, this means that this is primarily an issue to be solved by manufacturers of calipers and harvesters.

The StanForD-meeting pointed out that it is important to have a detailed description of the interpolation problem at the next meeting (2018-04-17—18) when this issue is to be discussed again.

§ 7 Other issues

SITE TRAFFICABILITY MAPPING BASED ON CAN-BUS DATA

Tapio Räsänen briefly presented work done in a research project called "Site trafficability mapping based on CAN-bus data". Tapio wanted to raise the question whether we should start a discussion of including some CAN-bus data inside hpr messages sent from harvesters. No participant raised any significant objections during the meeting. The meeting decided to continue the discussion at next meeting

§ 8 Next meeting

Regular StanForD2010 meeting in Vantaa 17th – 18th of April 2018, starting at 12:00 EET and ending at 16:00 EET.

§ 9 End of meeting

Johan thanked everyone for their participation.