



Arlinger John*

14 November 2024

Minutes StanForD (members only)

2024-11-13

Place:	Teams, 2024-11-13, 10:00-12:00 CET
Participants:	John Arlinger, Secretary Johan J. Möller, Chairman Anders Rowell, Skogforsk Henrik Persson, LogMax Timo Melkas, Metsäteho Nicklas Nygård, LogSet Tapio Räsänen, Metsäteho Antti Korkiakoski, JohnDeere Mike O'Shea, Coillte <u>Attending through Teams:</u> Bobby Szwajkowski, Tigercat Halvard Olderlund, Komatsu Ian Wilson, Forest PHD Jaakko Mäkinen, Technion Jeremy Gibson, Forest PHD Jonas Thorsson, Dasa Juha Korhonen, Technion Heikki Komulainen, Ponsse Lars-Erik Andersson, Dasa Magnus Hansson, SP

Decision summary

Decided to accept the new framework document with two minor adjustment.

§1 Opening of meeting and agenda

Chairman Johan J Möller opened the meeting.

The agenda was accepted.

§2 Presentation of participants

Presentation of meeting participants.

§3 New StanForD agreement/framework

The secretary presented an updated document describing how the standard is to be organized, it's main tasks and how it is to be financed. The document is to a large extent based on today's situation.

The document was accepted by the meeting with two minor adjustments as included in appendix 1:

- Add some general sentences regarding the basic advantages with standardized data
- Delete the sentence regarding Swedish and Finnish forest companies being considered as members.

Observe that there is no need for present members to sign the new updated contract.

A number of additional strategic issues were discussed in conjunction with the presentation of the framework document:

- Important that information is available, at www.skogforsk.se/stanford, about on-going projects for extending the standard such as forest regeneration and tree mapping. Maybe add a new section "Work in progress".
- Point out at the web site that StanForD is a global standard covering not only Northern European cut-to-length machines. Make it clear at the web site that the standard covers a large number of different types of machines, perhaps by adding machine photos.
- Create a new domain (web site) that is directly forwarding to skogforsk.se/stanford as navigation at the Skogforsk web site is fairly complex. Register e.g. www.stanford2010.org.
- Present the StanForD standard at next years Formec conference in Joensuu, Finland.
- Add some example files to the web site

§10 Other issues

No other issues discussed.

§10 Next meeting

Meeting schedule for 2025 discussed at the following general meeting which was open for anyone to attend.

§11 End of meeting

The chairman Johan J Möller thanked everyone for attending the meeting.



Arlinger John
Möller J Johan

2024-11-08

Background new StanForD framework

It was suggested in June 2024 to create a new StanForD “agreement/framework” document with the main objective of achieving a long-term stability for maintaining, supporting and developing the StanForD standard.

This document gives background information to the updated agreement and new framework document.

There has not been any general meeting for the financially contributing members discussing these issues since 2006/08 (before that in 1998 and 2002). The framework document will be finalized at the meeting on the 13th of November 2024. It was discussed in detail with the StanForD members at a meeting held on the 12th of September 2024.

Research and development projects carried out by Skogforsk or other organizations where the use of StanForD data is key are not financed through StanForD. Examples of recent Skogforsk development projects are “Multi tree handling calibration”, “GNSS tests” and “Log traceability”. The financing of such projects is thus based on Skogforsk core funding, research grants and/or consultancy work.

Skogforsk should include additional personnel (in addition to secretary and chairman) in the working group to lessen the risks associated with only having two persons involved in the standard work. The objective of involving additional personnel is to maintain the necessary long-term competence.

It is suggested that the membership fee is set to 4500 Euro/year from 2025. The fee has not changed since year 2006 (4000 Euro/year). The fee today covers the work of secretary (support/admin/preparing proposals/information). The work of the chairman (Johan J Möller/Anders Rowell) is financed by Skogforsk and technical schema development and Finnish coordination (Juha-Antti Sorsa/Timo Melkas/Tapio Räsänen) is financed by Metsäteho.

Observe that Skogforsk has so far invoiced the membership fee in Swedish crowns (SEK). However, as the number of members outside Sweden is in clear majority it is suggested that we switch to Euro (€).

The standard is open to new extensions for mechanized forest activities such as e.g. forest regeneration and loaders in order to stay globally relevant.
Deprecating the old StanForD Classic will be an important issue the upcoming years.



Möller, Johan J
Arlinger, John

2024-11-14

StanForD organization, tasks and financing

A BASIC FRAMEWORK

Introduction

StanForD2010 is a global standard for forest machines applying both cut-to-length (CTL) and tree length methods and it is used by all major manufacturers.

This type of data standardization makes for more efficient production chains as it makes data available in a uniform way and it also means that the development and manufacturing of control systems is done in a more efficient way as there are less needs for doing market specific adjustments.

This document was developed with the main objective of achieving long-term stability for maintaining, supporting and developing the StanForD standard.

The main objective of the StanForD standard is to:

- Facilitate efficient and globally relevant control and monitoring of forest machine activities.

This means that the standard can be extended with new relevant mechanized forest activities.

Organization and financing

Skogforsk is responsible for organizing a central working group consisting of a chairman, a secretary as well as at least one representative from Metsäteho.

At least 3 meetings are to be arranged annually where the two main meetings (typically April and November) are open for anyone to attend, while other meetings are members only.

The work of the secretary is financed through the membership fee. The work of the chairman, other Skogforsk personnel and Metsäteho representatives are financed by Skogforsk respectively Metsäteho. See section "Administrative organizations" for more information concerning Metsäteho and Skogforsk.

Research and development projects carried out by Skogforsk or other organizations where the use of StanForD data is key are not financed through StanForD. The financing of such projects is thus based on Skogforsk core funding, research grants and/or consultancy work.

The membership fee is set to 4500 Euro/year from 2025.

Future changes to the organization and staffing shall be discussed with the members beforehand.

Membership benefits

A StanForD membership includes the following:

- Invitation to at least 3 meetings per year, where changes in the standard are discussed and decided. Observe that additional meetings are fairly frequently arranged, e.g. when significant updates are under discussion prior to a new release.
- Support on StanForD-related issues. For example:
 - Testing and evaluation of standard compliance.
 - Guidelines and recommendations when implementing new standard functionality.
- Analysis of suggested changes to the standard and compilation of proposals.
- Invitation to recurrent tests of StanForD functionality in forest machines organized by Skogforsk. Evaluation of StanForD compliance is financed through StanForD, primarily by the work of the secretary. Practical test of forest machine functions, bucking optimization, measuring, calibration, etc. is financed separately by Skogforsk.

Main responsibilities of the central working group

The secretary with support from the chairman and in close cooperation with Metsäteho is responsible for:

- Maintaining and updating the standard through
 - Tracking trends in forestry with a global perspective
 - Monitoring new needs and requirements of manufacturers and users.
 - Processing, developing and gaining approval for new proposals.
 - Presenting proposals.
 - Documenting new decisions and versions.
 - Documenting and specifying new standard functionalities or schemas.
- Arranging meetings

- Creating and distributing agendas
- Compiling and publishing information on www.skogforsk.se/stanford including:
 - Minutes
 - Standard document (e.g. xml schemas)
 - Annual report including some type of general time reports.
- Supporting members
 - Including physical meetings
- Promoting the use of StanForD
 - Informing potential new users about StanForD

Administrative organizations

Skogforsk is the Swedish forest research institute. It is a private institute owned and financed by Swedish forest companies and forest owners' associations. The first StanForD versions were developed by Skogforsk and, from 1987 to 1999, financed by Skogforsk.

Metsäteho is a Finnish Forestry R&D company owned by the Finnish forest industry. Metsäteho participates actively in the standardization work from 1991.