

1 Introduction.....4

2 StanForD.....5

3 Harvester Software.....9

4 Digital Callipers .....12

5 Harvesting site settings in harvester PC .....15

6 Setting bucking parameters .....19

7 Production procedure.....33

8 Control measurements .....35

9 Calibration.....47

10 Production reports: output printouts .....58

11 Terminology used .....61

12 Appendices.....65

13 References .....93

The standard deals with the transfer of data to and from the on-board PC of the harvester (for example). This standard can be used eg. for the setting of correct bucking ("APT"), production reporting ("PRD"), performing control measurements or calibration ("STM", "KTR"). Through a suitable interface, it allows communication with other computers, special measuring devices, such as digital callipers or data recording devices. The standard supports on-board computer communication in other ways through suitable equipment, such as modems or radio communication.

Table 2: Summary of selected StanForD file types

|      |                                                                                                                                             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------|
| *APT | Bucking instructions, including a "price matrix" for the produced logs.                                                                     |
| *PRD | Total production (particularly data on timber production).                                                                                  |
| *PRI | Individual production (production data records regarding every log and stem).                                                               |
| *STM | Stem parameters (measured length, diameter, etc.).                                                                                          |
| *SD  | Stem identification number sent from merchandising (bucking) computer to the digital calliper to facilitate identification of control stem. |
| *KTR | Control measurement. Data sent from the digital calliper to on-board merchandising (bucking) computer and subsequently to office systems.   |

The standard for data transfer and data communication is built on the KERMIT communication interface. It contains the most widely used basic communications functions. KERMIT can also be used, if users wish to incorporate additional personal functions.

The original design of the standard dates back to 1987, when it was adopted by a user group consisting of representatives of companies Domänverket, Kornsås AB, MoDo Skog AB, SCA Skog AB, Stora Skog AB and Södra Skogsägarna.