



TWC/27/16

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**INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS**  
GENEVA

**TECHNICAL WORKING PARTY ON AUTOMATION AND  
COMPUTER PROGRAMS**

**Twenty-Seventh Session**  
**Alexandria, Virginia, United States of America**  
**June 16 to 19, 2009**

**SURVEY ON HAND-HELD DATA CAPTURE DEVICES**

*Document prepared by the Office of the Union*

1. At its twenty-sixth session held in Jeju, Republic of Korea, from September 2 to 5, 2008, the Technical Working Party on Automation and Computer Programs (TWC) agreed that a questionnaire on the use of data-loggers for data recording in DUS trials should be sent to TWC experts. On May 11, 2009, Circular E-998 was issued to the TWC with a summary of information provided by TWC participants at the twenty-sixth session of the TWC. TWC experts were requested to verify the information contained in the summary and to provide additional information as appropriate.
2. This document presents the information provided at the twenty-sixth session of the TWC and the amendments and additional information provided by experts from Denmark, France, Japan, Republic of Korea and the United Kingdom.

SURVEY ON HAND-HELD DATA CAPTURE DEVICES

Member of the Union	Contact details	Hand-held data capture device used	Type of operating system	Application by user(s)
Czech Republic	David HAMPEL, Biometrician, Central Institute for Supervising and Testing in Agriculture, (CISTA), National Plant Variety Office, Hroznova 2, 656 06 Brno. tel.: +420 543 548 251 fax: +420 543 212 440 e-mail: <a href="mailto:david.hampel@ukzuz.cz">david.hampel@ukzuz.cz</a>	Digital Caliper with data output (Resolution .01 mm.: accuracy: DYN 862)	Data sheet software	
		PSION mx	Software for storing data to .xls format	
Denmark	Erik Lawaetz, DUS Scientist, The Danish Plant Directorate, Department of Variety Testing, Teglværksvej 10, DK-4230 Skælskør, Denmark	Unitech PA950	Excel / WindowsMobil 5.0	DUS
		Unitech PA600	Excel / WindowsMobil 5.0	DUS
		Unitech PA962 with UMTS network	Excel / WindowsMobil 5.0	DUS / VCU
France	Christophe CHEVALIER, Groupe d'étude et de contrôle des variétés et des semences (GEVES), rue G. Morel, F-49071 Beaucouze Cedex. tel. : + 33 2 41 22 86 36 fax : +33 2 41 22 58 01 e-mail: <a href="mailto:christophe.chevalier@geves.fr">christophe.chevalier@geves.fr</a>  Vincent GENSOLLEN, Groupe d'étude et de contrôle des variétés et des semences (GEVES) La Valette, 711 rue J.F. Breton, F-34090 Montpellier, tel.: +33 4 67 04 35 85 fax: +33 4 67 63 37 58 e-mail: <a href="mailto:vincent.gensollen@geves.fr">vincent.gensollen@geves.fr</a>	Panasonic Touchbook CF 18 Panasonic Touchbook CF U1	SRIUS: Hand data CMP IODR developed by GEVES.  SIRIUS is used in the following crops: Sorghum, sugar beet, maize, wheat, barley, oat, oilseed rape, sunflower, triticale, peas.	VCU and DUS
		ITRONIX		
Germany	Uwe MEYER, Referatsleiter Informationstechnologie, Referat 111, Bundessortenamt, Postfach 61 04 40, 30604 Hannover, tel.: +49 511 9566 689 fax: +49 511 563 362 e-mail: <a href="mailto:uwe.meyer@bundessortenamt.de">uwe.meyer@bundessortenamt.de</a>	PSION Workabout mx  and PSION Workabout mx PRO	EPOC (Symbian) C- and OPL-programs Windows Mobil 6.0 C- and Pocket Excel	VCU and DUS
		PNT 1800 Designated replacement in 2010	WinCE C-Easy programs	DUS

Member of the Union	Contact details	Hand-held data capture device used	Type of operating system	Application by user(s)
Netherlands	Gerie VAN DER HEIJDEN, Biometris, Wageningen-UR, P.O. Box 100, NL-6700 AC Wageningen, tel.: 31 317 480750 fax: 31 317 48 3554 e-mail: <a href="mailto:gerie.vanderheijden@wur.nl">gerie.vanderheijden@wur.nl</a>	Itronics Gobook Q.100		
Poland	Wieslaw PILARCZYK, Expert Statistician, Research Center for Cultivar Testing (COBORU), PL-63-022 Slupia Wielka, tel.: +48 61 285 2341 Ext. 224 fax: +48 61 285 35 58, e mail: <a href="mailto:wpilar@au.poznan.pl">wpilar@au.poznan.pl</a>	PSION		
Republic of Korea	Mi-Hee Yang, Examiner, Senior Researcher, Korea Seed & Variety Service, MIFAFF, e-mail: <a href="mailto:mh730@seed.go.kr">mh730@seed.go.kr</a>	Fujitsu P Series Lifebook with wireless network system of HSDPA		
United Kingdom	Adrian M.I. ROBERTS, Biomathematics & Statistics Scotland (BioSS), James Clerk Maxwell Building, The King's Buildings, Edinburgh EH9 3JZ, tel.: +44 131 650 4893 fax: +44 131 650 4901 e-mail: <a href="mailto:adrian@bioss.ac.uk">adrian@bioss.ac.uk</a>  Sally WATSON (Mrs.), Biometrics Branch, Agri-Food & Biosciences Institute, 18a, Newforge Lane, Belfast BT9 5PX, tel.: +44 28902 55 292 fax: +44 28902 55 008 e-mail: <a href="mailto:sally.watson@afbini.gov.uk">sally.watson@afbini.gov.uk</a>	Itronix		DUS
	Haidee Philpott, NIAB, Huntingdon Road, Cambridge. CB3 0LE, tel: +44 1223 342258 e-mail: <a href="mailto:Haidee.philpott@niab.com">Haidee.philpott@niab.com</a>	Psion Workabout PRO Psion vehicle mounted 8515	'In house' developed system using: Microsoft® Windows® CE 5.0, Microsoft® Windows® Mobile® 6 Classic and Professional	DUS