



TWC/30/34

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

Geneva

**TECHNICAL WORKING PARTY ON AUTOMATION AND  
COMPUTER PROGRAMS****Thirtieth Session****Chisinau, Republic of Moldova, June 26 to 29, 2012**

## UPDATED 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. At its twenty-eighth session, held in Angers, France, from June 29 to July 2, 2010, the TWC noted the information provided in document TWC/28/34 and agreed that a circular should be sent by Office of the Union, inviting further entries in advance of the twenty-ninth session of the TWC. On May 27, 2011, the Office of the Union issued circular E-1584 requesting updates on hand held data capture devices.
3. At its twenty-ninth session, held in Geneva, from June 7 to 10, 2011, the TWC noted the information provided in document TWC/29/28, which included the information from replies to the circular E-1584, and agreed that a new circular concerning hand-held data capture devices should be sent by the Office of the Union, inviting further entries in advance of the thirtieth session of the TWC.
4. On February 15, 2012, the Office of the Union issued circular E-12/038 requesting updates on hand held data capture devices.
5. The Technical Committee, at its forty-eighth session held in Geneva from March 26 to 28, 2012, agreed that a new circular concerning hand-held data capture devices should be sent by the Office of the Union, inviting further entries in advance of the thirtieth session of the TWC, as set out paragraph 10 of document TC/48/3 (see document TC/48/22 "Report on the conclusions", paragraph 29). The following table contains the information submitted in the replies to that circular.

[Annex follows]

UPDATED 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)
Belarus	Russkikh Ivan, deputy head of DUS testing department, State Inspection for varieties testing and protection. Kazintsa str., 90A. Minsk 220108. Minsk, Belarus. <a href="mailto:russkikh@bsu.by">russkikh@bsu.by</a> Tel. +375 44 7193920. Fax +375 17 2124999/	Handheld PC KULON TS-011 ( <a href="http://www.ts.ru/kulon.html">http://www.ts.ru/kulon.html</a> )	Excel / Windows Mobile 5.0	DUS / VCU
China	Kun YANG, Examiner Division of DUS Testing, Development Center of Science & Technology, MOA ROOM 707, Nongfeng Building, No. 96 Dong San Huan Na Lu, Chaoyang District, Beijing 100122, China Tel: 86-10-5919-9394 Fax: 86-10-5919-9393 Email: yangkunmails@foxmail.com	HP IPAD 4700	Excel	DUS
Czech Republic	David HAMPEL, Biometrician, Central Institute for Supervising and Testing in Agriculture, (CISTA), National Plant Variety Office, Hroznova 2, 656 06 Brno., Czech Republic tel.: +420 543 548 251 fax: +420 543 212 440 e-mail: <a href="mailto:david.hampel@ukzuz.cz">david.hampel@ukzuz.cz</a>	PSION Workabout mx	EPOC (Symbian) OVAL program	DUS
Denmark	Erik Lawaetz, DUS Scientist, The Danish Plant Directorate, Department of Variety Testing, Teglværksvej 10, DK-4230 Skælskør, Denmark	Unitech PA950 Unitech PA600 Unitech PA962 with UMTS network Datalogic Memor	Excel / WindowsMobil 5.0 Excel / WindowsMobil 5.0 Excel / WindowsMobil 5.0 Excel / WindowsMobil 5.0	DUS DUS DUS / VCU DUS

\*Additional information from replies to Circular E-12/038 is reproduced in highlighted text

Member of the Union	Contact details	Hand-held data capture device used	Type of operating system	Application by user(s)
France	Christophe CHEVALIER, Groupe d'étude et de contrôle des variétés et des semences (GEVES), rue G. Morel, F-49071 Beaucouze Cedex., France 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>	Panasonic Touchbook CF 19 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
	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>	ITRONIX		
Germany	Uwe MEYER, Referatsleiter Informationstechnologie, Referat 111, Bundessortenamt, Postfach 61 04 40, 30604 Hannover, Germany tel.: +49 511 9566 5689 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 2012/2013	WinCE C-Easy programs	
Israel	Ben-Zion Zaidman, DUS Examiner Plant Breeders' Rights Unit Ministry of Agriculture and Rural Development P.O. Box 30, Bet-Dagan 50250, Israel Tel: 972-3-9485833; Fax: 972-3-9485839 E-Mail: <a href="mailto:benzionz@moag.gov.il">benzionz@moag.gov.il</a>	Motorola MC55A0 Enterprise Digital Assistant	Windows Mobil 6.5	DUS
Netherlands	Jan Kees Schipper, DUS scientist, Naktuinbouw, Varieties and Trials, Postal address, PO Box 7, 6710BA Ede Visiting address, Binnenhaven 1, 6709PD Wageningen, Netherlands Tel. +31 (0)6 46713133 Fax +31 (0)317 411721 e-mail: <a href="mailto:j.k.schipper@naktuinbouw.nl">j.k.schipper@naktuinbouw.nl</a>	Itronics Gobook Q.100  LXE- MX7	Excel  Windows CE 2L field (Linx Mobile Solutions)	DUS

Member of the Union	Contact details	Hand-held data capture device used	Type of operating system	Application by user(s)
New Zealand	Jenny Jebson, PVR examiner – Agricultural, Plant Variety Rights Office of NZ, PO Box 9241, Marion Square, Wellington 6141, New Zealand. tel: +64 4 9786322 fax: +64 4 9783691. e-mail: <a href="mailto:jennifer.jebson@pvr.govt.nz">jennifer.jebson@pvr.govt.nz</a>	HP iPAQ pocket PC h6300 series	Microsoft Windows Mobile software	DUS
Poland	Wieslaw PILARCZYK, Expert Statistician, Research Center for Cultivar Testing (COBORU), PL-63-022 Slupia Wielka, Poland 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 Workabout mx	EPOC OPL-programs	DUS VCU
		Palmtop PC/ Tablet PC	Windows CE	
Republic of Korea	Mi-Hee Yang, Examiner, Senior Researcher, Korea Seed & Variety Service, MIFAFF, Republic of Korea e-mail: <a href="mailto:mh730@seed.go.kr">mh730@seed.go.kr</a>	Fujitsu P Series Lifebook with wireless network system of HSDPA		
Sweden	Torbjörn Leuchovius, Unit of Applied Field Research (Fältforsk), Swedish University of Agricultural Sciences (SLU), VPE Box 7043, SE-75007 Uppsala, Sweden Tel +46-18-671825 e-mail <a href="mailto:Torbjorn.Leuchovius@slu.se">Torbjorn.Leuchovius@slu.se</a>	Husky Fex21 (old equipment), Psion Workabout PRO, Portable Windows 7 computers like HP Elitebook 2540 etc, Windows XP Tablet PC computers	Windows Pocket PC 4 (old equipment), Windows Mobile 6+, Windows XP tablet PC, Windows 7	VCU

Member of the Union	Contact details	Hand-held data capture device used	Type of operating system	Application by user(s)
United Kingdom	Adrian M.I. ROBERTS, Biomathematics & Statistics Scotland (BioSS), James Clerk Maxwell Building, The King's Buildings, Edinburgh EH9 3JZ, United Kingdom tel.: +44 131 650 4893 fax: +44 131 650 4901 e-mail: <a href="mailto:adrian@bioss.ac.uk">adrian@bioss.ac.uk</a>	Itronix		DUS
	Sally WATSON (Mrs.), Biometrics Branch, Agri-Food & Biosciences Institute, 18a, Newforge Lane, Belfast BT9 5PX, United Kingdom 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>	Husky Fex 21	In-house software written in GW Basic, working in DOS operating system	DUS
	Haidee Philpott, NIAB, Huntingdon Road, Cambridge. CB3 0LE, United Kingdom 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 Motion CL900 Tablet	'In house' developed system using: Microsoft® Windows® CE 5.0, Microsoft® Windows® Mobile® 6 Classic and Professional	DUS

[End of Annex and of document]