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GENEVA

TECHNICAL WORKING PARTY FOR ORNAMENTAL PLANTS AND FOREST TREES

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UPOV INFORMATION DATABASES

Document prepared by the Office of the Union

1. The purpose of this document is to provide an update on developments concerning the GENIE database, the UPOV Code System and the Plant Variety Database (UPOV-ROM).

GENIE DATABASE

2. It is recalled that the GENIE database is being developed to provide, for example, online information on the status of protection (see document C/39/6), cooperation in examination (see document C/39/5), experience in DUS testing (see document TC/42/4), and existence of UPOV Test Guidelines (see document TC/42/2) for different GENera and specIEs (hence GENIE), and will also be used to generate the relevant Council and Technical Committee (TC) documents concerning that information. In addition, the GENIE database is the repository of the UPOV codes, which will be the basis for identifying the relevant variety denomination class for the purposes of the Plant Variety Database, and will also provide information concerning alternative botanical and common names.

3. A prototype GENIE database in Microsoft Access format has been populated with all available UPOV codes and corresponding information relating to the documents mentioned above. That prototype was demonstrated at the forty-first session of the TC, held in Geneva, from April 4 to 6, 2005, the fifty-first session of the Administrative and Legal Committee (CAJ), held in Geneva on April 7, 2005, and at the Technical Working Party (TWP) sessions

in 2005. The Technical Working Party for Vegetables (TWV) made the following proposals with regard to features of the GENIE database as it would be available on the UPOV website:

(i) to provide a link from the Test Guidelines references in the GENIE database to the relevant UPOV Test Guidelines on the UPOV website;

(ii) to provide a link to the relevant e-mail or website address for authorities in relation to experience and protection information.

The Office of the Union (Office) plans to address the TWV proposals in the final, web-based version of the GENIE database. In addition, on the basis of experience in using the Access version of the GENIE database and other developments, the Office plans to introduce the following modifications in the final version:

(iii) to create a new field for "Family". Some members of the Union use the Family level classification in relation to certain information;

(iv) to attribute each genus to a "Category": Plant; Plant/Fungus; or Plant/Algae. This extra classification is necessary for information concerning protection. Many members of the Union apply the provisions of the UPOV Convention to all plant genera and species. However, there are some differences between members of the Union with regard to whether certain fungi and algae are considered to be "plants". For the "Plant" category, it means that all members of the Union consider the genera within the category to be "plants" and members of the Union offering protection to all plant genera and species offer protection for the genera concerned. Within the "Plant/Fungus" and "Plant/Algae" categories, it is possible that not all members of the Union consider that the genera concerned are "plants". Therefore, for those categories, the protection situation will be considered for each individual member of the Union on a case-by-case basis;

(v) to introduce the possibility for a UPOV code to have more than one denomination class. At present, some varieties in the UPOV-ROM are only identified as belonging to a genus (e.g. *Brassica*). Where genera have species in more than one denomination class (e.g. *Brassica*: *Brassica oleracea* (Class 5), *Brassica napus* (Class 6) etc. (see document UPOV/INF/12 Rev.), the GENIE database indicates the class for the genus as "Divided". By specifying all the possible classes for the genus (e.g. for *Brassica*: Class 5, Class 6 and Class 28), instead of just "divided", any variety for which the species was not specified could be included in all relevant classes for variety denomination checking purposes. However, it is anticipated that, in cases where there is more than one denomination class for a genus, the instances of varieties entered without species information will be eliminated over time, as the situation becomes clarified; and

(vi) to update the variety denomination classes according to any revision of document UPOV/INF/12 Rev.

4. The TC agreed that the features (i) to (vi) above would be introduced into the GENIE database when available on the UPOV website. The design of the web-based version of the GENIE database is now underway and its launch on the freely accessible area of the UPOV website is planned for the end of 2006, by which time it is hoped that the new variety denomination classes will be finalized.

UPOV CODE SYSTEM

5. The procedure for the introduction and amendment of codes was agreed by the TC at its fortieth session (see document TWO/38/4, Annex IV). At its forty-second session in April 2006, the TC agreed guiding criteria for identifying the most appropriate authorities to check UPOV code amendments and agreed that the procedure for the introduction and amendment of UPOV codes should be updated accordingly. That revised procedure is set out in Annex I to this document.

6. For the TWP sessions in 2005, the Office prepared a table of UPOV code amendments which all experts were requested to check and for each individual authority the amendments which they were specifically requested to check. However, the checking of the UPOV code amendments required reference to a summary report of the latest information on UPOV codes, the production of which was delayed, and the checking by the TWPs did not take place in 2005. The TC agreed that the checking of the 2005 amendments to the UPOV code should be combined with the checking of the 2006 amendments, to be considered by the TWPs in 2006. The relevant codes to be checked by the TWO are listed in Annex II.

7. Annex II contains three parts: Part A provides an explanation of the information provided and some guidance on how to check the code amendments. Part B provides a table of amendments which all experts are requested to check. Part C provides for relevant individual authority experts the UPOV codes and information they are specifically requested to check.

PLANT VARIETY DATABASE

Improvements to the UPOV-ROM

8. At its forty-first session, in April 2005, the TC noted that, with regard to the program to improve the Plant Variety Database, priority was focused on improvements which could equally be realized in both the UPOV-ROM and web-based formats, namely:

(a) introduction of the UPOV code;

(b) improving the ease of contributing data to the UPOV-ROM through the development of a data submission table allowing data to be provided without the use of TAG format;

(c) providing training in the use of the UPOV-ROM.

9. In relation to the UPOV code, some members of the Union have already started to introduce the UPOV codes into their UPOV-ROM data, using spreadsheets containing UPOV codes provided by the Office.

10. In due course, the Office plans to launch a program encouraging all contributors to start using the UPOV codes in their data and encouraging all members of the Union who do not currently contribute data to start contributing data. The starting point for that program will be the following synchronized actions:

(a) the posting on the first restricted area of the UPOV website of spreadsheets containing all UPOV codes and related names, together with guidance notes, in all UPOV languages, on how to use those spreadsheets for identifying the correct UPOV code (the spreadsheets will, thereafter, be updated on a regular basis);

(b) the posting on the first restricted area of the UPOV website of a data submission table allowing data to be provided without the use of TAG format, together with guidance notes, in all UPOV languages, on how to use the data submission table. The data submission table will be linked to the tables for identifying the appropriate UPOV code (see (a) above) and will require all entries to be provided with a UPOV code;

(c) the issuing of a circular to UPOV-ROM contributors encouraging them to start including UPOV codes in their UPOV-ROM entries and notifying them of (a) and (b) above. The circular will invite contributors to contact the Office if they require assistance in starting to use the UPOV codes. With regard to assistance in starting to include UPOV codes, the circular will explain that particular assistance can be provided in conjunction with the Community Plant Variety Office (CPVO): CPVO is obliged to enter a UPOV code for all data in their own database. For that reason, CPVO has reviewed all varieties in the UPOV-ROM (not just the data from the countries of the European Community) and has allocated what it considers to be appropriate UPOV codes for those varieties. Contributors wishing to receive a list of the UPOV codes allocated to their data by CPVO (for the CPVO database) will be invited to contact the Office; and

(d) the issuing of a circular to members of the Union who do not contribute data to the UPOV-ROM, or who do not contribute data on a regular basis, informing them of the introduction of the data submission table (see (b) above) and inviting them to contact the Office if they require particular assistance in submitting data.

11. In relation to improving the completeness of data in the UPOV-ROM, certain States (Cyprus, Greece, Luxembourg, Malta), which are not members of UPOV, are members of the European Community and, as such, may provide data to CPVO. Consequently, data from those States provided to CPVO will be included in the UPOV-ROM.

12. With regard to providing training in the use of the UPOV-ROM, the Office ensures that information on the UPOV-ROM is included in relevant UPOV workshops and has integrated an explanation of the UPOV-ROM in the Distance Learning Course DL-205 “Introduction to the UPOV System of Plant Variety Protection under the UPOV Convention”. DL-205 participants are issued with a sample UPOV-ROM and are required to undertake searches using the UPOV-ROM as a part of the exam.

13. To further emphasize the status of the data in the UPOV-ROM, the Office has recently updated the general notice and disclaimer and placed it at the beginning of the User Guide. It reads as follows:

"GENERAL NOTICE AND DISCLAIMER

Please note that the information concerning plant breeders' rights provided in the UPOV-ROM Plant Variety Database (UPOV-ROM) does not constitute the official publication of the authorities concerned. To consult the official publication, or to obtain details on the status and completeness of the information in the UPOV-ROM, please contact the relevant authority, contact details for which are provided on the UPOV website at http://www.upov.int/en/about/members/pvp_offices.htm or on the CD-ROM in D:\UPOVPDF\address.pdf (if D: is the CD-ROM drive).

All contributors to the UPOV-ROM are responsible for the correctness and completeness of the data they supply. Users are particularly requested to note that it is not obligatory for members of the Union to supply data for the UPOV-ROM and, for those members of the Union who supply data, it is not obligatory to supply data for all items."

Development of a web-based Plant Variety Database

14. The schedule for the development of an initial prototype of the web-based Plant Variety Database will depend on the resources needed to advance the three priorities set out in paragraph 8, above. The prototype web-based Plant Variety Database, once developed, will be presented to the TC with proposals concerning the fields to be included and proposals for which fields might be considered to be mandatory, as requested by the TC at its fortieth session. The frequency of updating of the web-based Plant Variety Database will be considered in conjunction with the presentation of the prototype together with consideration of the establishment of links to relevant websites for variety denomination checking purposes.

15. At its forty-first session, the TC heard that the Office would investigate the potential for the development of a common searching platform to be provided for certain databases relevant for variety denomination searching purposes. The Office plans to make a report on that matter at the forty-third session of the TC in April 2007.

[Annex I follows]

ANNEX I

PROCEDURE FOR THE INTRODUCTION AND AMENDMENT OF UPOV CODES

The Technical Committee (TC), at its fortieth session, held in Geneva from March 29 to 31, 2004 (see document TC/40/10, paragraph 17), as revised at its forty-second session, held in Geneva, from April 3 to 5, 2006 (see document TC/42/11, paragraph 23) agreed to the following procedure for the introduction and amendment of codes:

(1) Responsibility for the UPOV Code System

The Office of the Union (Office) is responsible for the UPOV Code System and the individual codes.

(2) Repository of UPOV Codes

The definitive collection of UPOV codes exists exclusively in the GENIE database.

(3) Introduction of New UPOV Codes / Amendments to UPOV Codes

(a) In the first instance, the Office will draft a code on the basis of the Germplasm Resources Information Network (GRIN) database, or other suitable references if the species concerned are not included in the GRIN database.

(b) Where the Office is aware of relevant experts for the genus or species concerned, or is advised of such experts, for example by the proposer of a new code, it will, wherever possible, check its proposals with those experts before creating the code.

(c) New codes might be proposed by any party, but it is expected that the majority of proposals will be made by contributors to the Plant Variety Database. Where the Office receives such proposals, it will respond by updating the GENIE database with the new codes in a timely manner and, in particular, will seek to ensure that new codes are available to allow their use for the forthcoming edition of the Plant Variety Database. In addition, the Office will add new codes where it identifies a need.

(d) In general, amendments to codes will not be made as a result of taxonomic developments unless these result in a change to the genus classification of a species. The UPOV recommendations on variety denominations are based on the general principle that, unless the list of classes applies, all taxonomic units which belong to the same genus are closely related. Therefore, it is important that the first element of the code can be used to sort species into the correct genus. The codes will also be amended if there are consequences for the content of a variety denomination class where the list of classes applies. Amendments to UPOV codes will be handled by the same procedure as the introduction of new codes as in paragraphs (a) and (b), above. However, in addition, all members of the Union and contributors of data to the Plant Variety Database will be informed of any amendments.

(e) New and amended codes will be presented to the relevant Technical Working Parties (TWP(s)) for comment at their first available session. If the TWP recommends any change, this will be treated as an amendment according to paragraph (d), above.

(f) *Checking Technical Working Party(ies):* the Office determines the relevant TWP(s) for checking each UPOV code on the basis of available information.

(g) *Checking by all authorities:* all the experts of the relevant TWP(s) to be invited to check the UPOV codes where:

(i) many authorities (e.g. 10 or more) have practical experience in DUS testing (based on GENIE database / document TC/xx/4 (e.g. TC/42/4)), have provided interested experts in the drafting of relevant Test Guidelines and/or have protected varieties (based on Plant Variety Database (UPOV-ROM)); or

(ii) they concern genera or species for which a wide review is considered appropriate by the Office (e.g. because it concerns a proposal for a species or sub-species not previously recognized within the genus, or a proposal for restructuring of the UPOV code).

(h) *Checking by specific authorities:* in cases not covered by (g) above, the experts of the relevant TWP(s) of specific authorities will be invited to check the UPOV codes. The specific authorities being those which have practical DUS testing experience, have provided interested experts in the drafting of relevant Test Guidelines, or which have granted protection for varieties covered by the relevant UPOV code.

(4) Updating of Information Linked to UPOV Codes

(a) UPOV codes might need to be updated to take account of, for example, changes in taxonomic classification, new information on common names, etc. In the case of changes of taxonomic classification, this might, although it is emphasized that this is not necessarily the case (see section (3)(d), above), result in a need to change the UPOV code. In such cases, the procedure is as explained in section (3), above. In other cases, the Office will amend the information linked to the existing code as appropriate.

(b) The TC, the TWPs and individual communications from members and observers of these bodies will be the principal routes by which the Office will update its information.

[Annex II follows]

ANNEX II – Part A

GUIDANCE FOR CHECKING UPOV CODE AMENDMENTS IN PARTS B AND C

The information in Parts B and C is presented in the form of amendments to previous UPOV codes or information (e.g. botanical name, common name, etc.) linked to those UPOV codes.

As a first step, it is recommended to refer to the summary report of information on UPOV codes "Summary report 1 (pdf): UPOV codes with names and denomination class", which is available on the UPOV website at http://www.upov.int/restrict/en/upov_rom_upov_code_system/index.htm, with regard to the UPOV code to be checked For example, if the amendments relate to "ALLIU_RAM", go to the relevant page in the summary report to see all the information linked to that code. The information in the summary report will contain the current information in GENIE **after** all the amendments which are specified in Part B or Part C have been made.

The next step is to review the amendments specified in Parts B or C and consider if they were appropriate. The following clarifies the information provided in the tables:

Checking authorities: this indicates all authorities which are invited to check that UPOV code amendment.

UPOV code: the UPOV code for which an amendment has been made.

Field name: this indicates the type of information which has been amended e.g. "GENIE name / English" means that there has been an amendment concerning the English name(s) associated with that UPOV code.

Principal botanical name: the principal botanical name is the botanical name on which the UPOV code is based e.g. the principal botanical name of LYCOP_ESC_ESC is Lycopersicon esculentum Mill. var. esculentum. Synonyms e.g. Lycopersicon lycopersicum (L.) H. Karst. may exist in GENIE and will be shown in the summary report of information provided on the website. The principal botanical name has been created to allow a single line print-out for each code in order to save space.

Action: the action specifies the type of modification, i.e. whether it is the "creation" of an addition to the field (e.g. new French common name), a "modification" (e.g. to correct a spelling mistake), or a "deletion". In some cases there can be a string of actions which result in only a single change or even no change. e.g. on the basis of a proposal, a name might be modified, but then, after further comments, modified back to the original name. It is for this reason that experts are invited to check the summary report of information in order to see clearly the final outcome.

Old value: in the case of modifications and deletions this shows the entry before the modification or deletion.

The words “true” and “false” are used in some cases to identify changes. For example, the entry for CTRLS_LAN in Part B shows “False” under the OLD value for Citrullus lanatus (Thunb.) Matsum. & Nakai as the “Default name” and “True” as the NEW value. This indicates that Citrullus lanatus (Thunb.) Matsum. & Nakai was previously not the default name but has become the default name.

New value: this shows the new information after the amendment.

[Annex II – Part B follows]

ANNEX II – Part B

AMENDMENTS TO UPOV CODES TO BE CHECKED BY ALL EXPERTS

ALL AUTHORITIES

Checking authorities	UPOV code	Principal botanical name	Field name	Action	Old value	New value
[ALL]	ASTER_AGE	Aster ageratoides Turcz.	UPOV code	Creation		ASTER_AGE
[ALL]	ASTER_AGE	Aster ageratoides Turcz.	Denomination class	Creation		ASTER
[ALL]	ASTER_AGE	Aster ageratoides Turcz.	Genie name / Latin	Creation		Aster ageratoides Turcz.
[ALL]	ASTER_HAY	Aster hayatae H. Lév. & Vaniot	UPOV code	Creation		ASTER_HAY
[ALL]	ASTER_HAY	Aster hayatae H. Lév. & Vaniot	Denomination class	Creation		ASTER
[ALL]	ASTER_HAY	Aster hayatae H. Lév. & Vaniot	Genie name / Latin	Creation		Aster hayatae H. Lév. & Vaniot
[ALL]	ASTER_TAT	Aster tataricus L. f.	UPOV code	Creation		ASTER_TAT
[ALL]	ASTER_TAT	Aster tataricus L. f.	Denomination class	Creation		ASTER
[ALL]	ASTER_TAT	Aster tataricus L. f.	Genie name / Latin	Creation		Aster tataricus L. f.
[ALL]	CHRYS_MOR	Chrysanthemum ×morifolium Ramat.	Genie name / Latin	Creation		Chrysanthemum x grandiflorum (Ramat.) Kitam.
[ALL]	DIANT	Dianthus gratianopolitanus Vill.	Genie name /	Creation		Dianthus gratianopolitanus Vill.
[ALL]	DIANT_ALL	Dianthus ×allwoodii hort.	UPOV code	Creation		DIANT_ALL
[ALL]	DIANT_ALL	Dianthus ×allwoodii hort.	Denomination class	Creation		DIANT
[ALL]	DIANT_ALL	Dianthus ×allwoodii hort.	Genie name / Latin	Creation		Dianthus ×allwoodii hort.
[ALL]	DIANT_CAR	Dianthus caryophyllus L.	Genie name / Latin	Modification	Dianthus -Caryophyllus-Hybridae	Dianthus-Caryophyllus-Hybridae
[ALL]	DIANT_GRA	Dianthus gratianopolitanus Vill.	UPOV code	Creation		DIANT_GRA
[ALL]	DIANT_GRA	Dianthus gratianopolitanus Vill.	Denomination class	Creation		DIANT
[ALL]	DIANT_GRA	Dianthus gratianopolitanus Vill.	Genie name / Latin	Creation		Dianthus gratianopolitanus Vill.
[ALL]	DIANT_GRA	Dianthus gratianopolitanus Vill.	Genie name / English	Creation		cheddar pink
[ALL]	DIANT_SUP	Dianthus superbus L.	UPOV code	Creation		DIANT_SUP
[ALL]	DIANT_SUP	Dianthus superbus L.	Denomination class	Creation		DIANT
[ALL]	DIANT_SUP	Dianthus superbus L.	Genie name / Latin	Creation		Dianthus superbus L.
[ALL]	DIANT_SUP	Dianthus superbus L.	Genie name / English	Creation		fringed pink

Checking authorities	UPOV code	Principal botanical name	Field name	Action	Old value	New value
[ALL]	GLAND_ARI	Glandularia aristigera (S. Moore) Tronc.	UPOV code	Creation		GLAND_ARI
[ALL]	GLAND_ARI	Glandularia aristigera (S. Moore) Tronc.	Denomination class	Creation		GLAND
[ALL]	GLAND_ARI	Glandularia aristigera (S. Moore) Tronc.	Genie name / Latin	Creation		Glandularia aristigera (S. Moore) Tronc.
[ALL]	GLAND_ARI	Glandularia aristigera (S. Moore) Tronc.	Genie name / Latin	Creation		Verbena tenuisecta Briq.
[ALL]	GLAND_HAR	Glandularia ×hybrida (hort. ex Groenl. & Rümpler) G.L. Nesom & Pruski × G. aristigera (S. Moore) Tronc.	UPOV code	Creation		GLAND_HAR
[ALL]	GLAND_HAR	Glandularia ×hybrida (hort. ex Groenl. & Rümpler) G.L. Nesom & Pruski × G. aristigera (S. Moore) Tronc.	Denomination class	Creation		GLAND
[ALL]	GLAND_HAR	Glandularia ×hybrida (hort. ex Groenl. & Rümpler) G.L. Nesom & Pruski × G. aristigera (S. Moore) Tronc.	Genie name / Latin	Creation		Glandularia ×hybrida (hort. ex Groenl. & Rümpler)
[ALL]	GLAND_HAR	Glandularia ×hybrida (hort. ex Groenl. & Rümpler) G.L. Nesom & Pruski × G. aristigera (S. Moore) Tronc.	Genie name / Latin	Creation		Verbena xhybrida Voss x Verbena tenuisecta Briq.
[ALL]	GLAND_HAR	Glandularia ×hybrida (hort. ex Groenl. & Rümpler) G.L. Nesom & Pruski × G. aristigera (S. Moore) Tronc.	Genie name / Latin	Modification	Glandularia ×hybrida (hort. ex Groenl. & Rümpler) G. L. Nesom & Pruski x Glandularia aristigera (S. Moore) Tronc.	Glandularia ×hybrida (hort. ex Groenl. & Rümpler) G.L. Nesom & Pruski × G. aristigera (S. Moore) Tronc.
[ALL]	GLAND_HAR	Glandularia ×hybrida (hort. ex Groenl. & Rümpler) G.L. Nesom & Pruski × G. aristigera (S. Moore) Tronc.	Genie name / Latin	Modification	Verbena xhybrida Voss x Verbena tenuisecta Briq.	Verbena ×hybrida Voss × V. tenuisecta Briq.
[ALL]	HYDRN_ARB	Hydrangea arborescens L.	UPOV code	Creation		HYDRN_ARB
[ALL]	HYDRN_ARB	Hydrangea arborescens L.	Denomination class	Creation		HYDRN
[ALL]	HYDRN_ARB	Hydrangea arborescens L.	Genie name / Latin	Creation		Hydrangea arborescens L.
[ALL]	HYDRN_ARB	Hydrangea arborescens L.	Genie name / English	Creation		Wild hydrangea
[ALL]	HYDRN_ARB	Hydrangea arborescens L.	Genie name / English	Creation		Smooth hydrangea
[ALL]	HYDRN_ARB	Hydrangea arborescens L.	Genie name / English	Creation		Tree hydrangea
[ALL]	HYDRN_ARB	Hydrangea arborescens L.	Genie name / English	Creation		Sevenbark
[ALL]	HYDRN_ARB	Hydrangea arborescens L.	Genie name / French	Creation		Hortensia de Virginie
[ALL]	HYDRN_ARB	Hydrangea arborescens L.	Genie name / German	Creation		Wald-Hortensie
[ALL]	HYDRN_MAC_SER	Hydrangea macrophylla (Thunb.) Ser. subsp. serrata (Thunb.) Makino	UPOV code	Creation		HYDRN_MAC_SER

Checking authorities	UPOV code	Principal botanical name	Field name	Action	Old value	New value
[ALL]	HYDRN_MAC_SER	Hydrangea macrophylla (Thunb.) Ser. subsp. serrata (Thunb.) Makino	Denomination class	Creation		HYDRN
[ALL]	HYDRN_MAC_SER	Hydrangea macrophylla (Thunb.) Ser. subsp. serrata (Thunb.) Makino	Genie name / Latin	Creation		Hydrangea serrata (Thunb.) Ser.
[ALL]	HYDRN_MAC_SER	Hydrangea macrophylla (Thunb.) Ser. subsp. serrata (Thunb.) Makino	Genie name / Latin	Creation		Hydrangea macrophylla (Thunb.) Ser. subsp. serrata
[ALL]	HYDRN_MAC_SER	Hydrangea macrophylla (Thunb.) Ser. subsp. serrata (Thunb.) Makino	Genie name / English	Creation		Tea-of-heaven
[ALL]	HYDRN_QUE	Hydrangea quercifolia W. Bartram	UPOV code	Creation		HYDRN_QUE
[ALL]	HYDRN_QUE	Hydrangea quercifolia W. Bartram	Denomination class	Creation		HYDRN
[ALL]	HYDRN_QUE	Hydrangea quercifolia W. Bartram	Genie name / Latin	Creation		Hydrangea quercifolia W. Bartram
[ALL]	HYDRN_QUE	Hydrangea quercifolia W. Bartram	Genie name / English	Creation		oak-leaf hydrangea
[ALL]	HYDRN_QUE	Hydrangea quercifolia W. Bartram	Genie name / German	Creation		eichenblättrige Hortensie
[ALL]	IMPAT_PSE	Impatiens pseudoviola Gilg	UPOV code	Creation		IMPAT_PSE
[ALL]	IMPAT_PSE	Impatiens pseudoviola Gilg	Denomination class	Creation		IMPAT
[ALL]	IMPAT_PSE	Impatiens pseudoviola Gilg	Genie name / Latin	Creation		Impatiens pseudoviola Gilg
[ALL]	IMPAT_WPS	Impatiens walleriana x Impatiens pseudoviola	UPOV code	Creation		IMPAT_WPS
[ALL]	IMPAT_WPS	Impatiens walleriana x Impatiens pseudoviola	Denomination class	Creation		IMPAT
[ALL]	IMPAT_WPS	Impatiens walleriana x Impatiens pseudoviola	Genie name / Latin	Creation		Impatiens walleriana x Impatiens pseudoviola
[ALL]	KALAN_BGU	Kalanchoe blossfeldiana x Kalanchoe guignardii	UPOV code	Creation		KALAN_BGU
[ALL]	KALAN_BGU	Kalanchoe blossfeldiana x Kalanchoe guignardii	Denomination class	Creation		KALAN
[ALL]	KALAN_BGU	Kalanchoe blossfeldiana x Kalanchoe guignardii	Genie name / Latin	Creation		Kalanchoe blossfeldiana x Kalanchoe guignardii
[ALL]	KALAN_GUI	Kalanchoe guignardii Raym.-Hamet & H. Perrier	UPOV code	Creation		KALAN_GUI
[ALL]	KALAN_GUI	Kalanchoe guignardii Raym.-Hamet & H. Perrier	Denomination class	Creation		KALAN
[ALL]	KALAN_GUI	Kalanchoe guignardii Raym.-Hamet & H. Perrier	Genie name / Latin	Creation		Kalanchoe guignardii Raym.-Hamet & H. Perrier
[ALL]	LOTUS_ORN	Lotus ornithopodioides L.	UPOV code	Creation		LOTUS_ORN
[ALL]	LOTUS_ORN	Lotus ornithopodioides L.	Denomination class	Creation		Class 7
[ALL]	LOTUS_ORN	Lotus ornithopodioides L.	Genie name / Latin	Creation		Lotus ornithopodioides L.

Checking authorities	UPOV code	Principal botanical name	Field name	Action	Old value	New value
[ALL]	PELAR_DOM	Pelargonium ×domesticum L. H. Bailey	Genie name / Latin	Creation		Pelargonium grandiflorum (Andrews) Willd.
[ALL]	PELAR_DOM	Pelargonium ×domesticum L. H. Bailey	Genie name / Latin	Creation		Pelargonium grandiflorum hort. non Willd.
[ALL]	PELAR_PEL	Pelargonium peltatum (L.) L'Hér.	Genie name / Latin	Modification	Pelargonium peltatum hort. non (L.) L'Hér. ex Ait.	Pelargonium peltatum hort. non (L.) L'Hér. ex Ait.
[ALL]	PELAR_ZON	Pelargonium Zonale Group	Genie name / Latin	Modification	Pelargonium x hortorum L.H. Bailey	Pelargonium ×hortorum L. H. Bailey
[ALL]	PELAR_ZPE	Pelargonium ×hortorum L. H. Bailey x Pelargonium peltatum (L.) L'Hér.	UPOV code	Creation		PELAR_ZPE
[ALL]	PELAR_ZPE	Pelargonium ×hortorum L. H. Bailey x Pelargonium peltatum (L.) L'Hér.	Denomination class	Creation		PELAR
[ALL]	PELAR_ZPE	Pelargonium ×hortorum L. H. Bailey x Pelargonium peltatum (L.) L'Hér.	Genie name / Latin	Creation		Pelargonium ×hortorum L. H. Bailey x Pelargonium peltatum (L.) L'Hér.
[ALL]	PELAR_ZTO	Pelargonium zonale (L.) L'Her. ex Aiton x P. tongaense Vorster	Genie name / Latin	Modification	Pelargonium zonale (L.) L'Her. ex Aiton x Pelargonium tongaense Vorster.	Pelargonium zonale (L.) L'Her. ex Aiton x P. tongaense Vorster
[ALL]	RHODD_SCH	Rhododendron schlippenbachii Maxim.	UPOV code	Creation		RHODD_SCH
[ALL]	RHODD_SCH	Rhododendron schlippenbachii Maxim.	Denomination class	Creation		RHODD
[ALL]	RHODD_SCH	Rhododendron schlippenbachii Maxim.	Genie name / Latin	Creation		Rhododendron schlippenbachii Maxim.
[ALL]	RHODD_SCH	Rhododendron schlippenbachii Maxim.	Genie name / English	Creation		Royal azalea
[ALL]	ROSAA_RVI	Rosa rugosa Thunb. x Rosa villosa L.	UPOV code	Creation		ROSAA_RVI
[ALL]	ROSAA_RVI	Rosa rugosa Thunb. x Rosa villosa L.	Denomination class	Creation		ROSAA
[ALL]	ROSAA_RVI	Rosa rugosa Thunb. x Rosa villosa L.	Genie name / Latin	Creation		Rosa rugosa Thunb. x Rosa villosa L.
[ALL]	ROSAA_VIL	Rosa villosa L.	UPOV code	Creation		ROSAA_VIL
[ALL]	ROSAA_VIL	Rosa villosa L.	Denomination class	Creation		ROSAA
[ALL]	ROSAA_VIL	Rosa villosa L.	Genie name / Latin	Creation		Rosa villosa L.
[ALL]	ROSAA_VIL	Rosa villosa L.	Genie name / English	Creation		Apple rose
[ALL]	ROSAA_VIL	Rosa villosa L.	Genie name / German	Creation		Apfel-Rose
[ALL]	SALVI	Salvia sinaloensis Fernald	Genie name /	Creation		Salvia sinaloensis Fernald
[ALL]	SALVI_JAM	Salvia xjamensis J. Crompton	UPOV code	Creation		SALVI_JAM
[ALL]	SALVI_JAM	Salvia xjamensis J. Crompton	Denomination class	Creation		SALVI
[ALL]	SALVI_JAM	Salvia xjamensis J. Crompton	Genie name / Latin	Creation		Salvia greggii x S. microphylla
[ALL]	SALVI_JAM	Salvia xjamensis J. Crompton	Genie name / Latin	Creation		Salvia xjamensis J. Crompton

Checking authorities	UPOV code	Principal botanical name	Field name	Action	Old value	New value
[ALL]	SALVI_SIN	Salvia sinaloensis Fernald	UPOV code	Creation		SALVI_SIN
[ALL]	SALVI_SIN	Salvia sinaloensis Fernald	Denomination class	Creation		SALVI
[ALL]	SALVI_SIN	Salvia sinaloensis Fernald	Genie name / Latin	Creation		Salvia sinaloensis Fernald
[ALL]	SALVI_SIN	Salvia sinaloensis Fernald	Genie name / English	Creation		Sinaloa sage
[ALL]	SALVI_SIN	Salvia sinaloensis Fernald	Genie name / English	Creation		Sinaloa blue sage
[ALL]	SOLID_CUT	Solidago cutleri Fern.	UPOV code	Creation		SOLID_CUT
[ALL]	SOLID_CUT	Solidago cutleri Fern.	Denomination class	Creation		SOLID
[ALL]	SOLID_CUT	Solidago cutleri Fern.	Genie name / Latin	Creation		Solidago cutleri Fern.
[ALL]	ULMUS_MIN	Ulmus minor Mill.	UPOV code	Creation		ULMUS_MIN
[ALL]	ULMUS_MIN	Ulmus minor Mill.	Denomination class	Creation		ULMUS
[ALL]	ULMUS_MIN	Ulmus minor Mill.	Genie name / Latin	Creation		Ulmus minor Mill.
[ALL]	ULMUS_MIN	Ulmus minor Mill.	Genie name / English	Creation		European field elm
[ALL]	ULMUS_MIN	Ulmus minor Mill.	Genie name / French	Creation		orme champêtre
[ALL]	ULMUS_MIN	Ulmus minor Mill.	Genie name / French	Creation		ormeau
[ALL]	ULMUS_MIN	Ulmus minor Mill.	Genie name / German	Creation		Feldulme
[ALL]	VACCI_CAN	Vaccinium corymbosum x V. angustifolium	UPOV code	Creation		VACCI_CAN
[ALL]	VACCI_CAN	Vaccinium corymbosum x V. angustifolium	Denomination class	Creation		VACCI
[ALL]	VACCI_CAN	Vaccinium corymbosum x V. angustifolium	Genie name / Latin	Creation		Vaccinium corymbosum x V. angustifolium
[ALL]	VACCI_COR	Vaccinium corymbosum L.	Genie name / German	Creation		Amerikanische Heidelbeere
[ALL]	VACCI_SIM	Vaccinium simulatum Small	UPOV code	Creation		VACCI_SIM
[ALL]	VACCI_SIM	Vaccinium simulatum Small	Denomination class	Creation		VACCI
[ALL]	VACCI_SIM	Vaccinium simulatum Small	Genie name / Latin	Creation		Vaccinium simulatum Small

[End of Annex II and of document]