PERIODIC REVIEW OF PLANT SPECIES INCLUDED IN THE CITES APPENDICES

1. This document has been prepared by the Secretariat.

2. In accordance with Resolution Conf. 11.1 (Rev. CoP13) on Establishment of committees, under the first RESOLVES in Annex 2, paragraph h), the Plants Committee should:

   undertake a periodic review of animal or plant species included in the CITES Appendices by:
   i) establishing a schedule for reviewing the biological and trade status of these species;
   ii) identifying problems or potential problems concerning the biological status of species being traded;
   iii) consulting the Parties on the need to review specific species, working directly with the range States in the selection process, and seeking their assistance in such reviews; and
   iv) preparing and submitting amendment proposals resulting from the review, through the Depositary Government, for consideration at meetings of the Conference of the Parties.

3. At its 51st meeting (Bangkok, October 2004), the Standing Committee adopted comprehensive recommendations on the procedure for undertaking periodic reviews of the Appendices (see Annex 1).

4. At its 15th meeting (Geneva, May 2005), the Plants Committee agreed on the following list of taxa to be reviewed during the two intersessional periods between the 13th and 15th meetings of the Conference of the Parties:

   **Medicinal plants**
   
   Saussurea costus – Appendix II (1975); Appendix I (1985)
   Dioscorea deltoidea – Appendix II (1977, roots only); Annotation #1 (1985)

   **Timber species**
   
   Balmea stormiae – Appendix I (1975)
   Platymiscium pleiostachyum – Appendix I (1975); Appendix II with Annotation #1 (1990)
   Podocarpus parlatorei – Appendix I (1975)
Ornamental plants, small taxa

Agave arizonica – Appendix I (1983)
Agave parviflora – Appendix I (1983)
Agave victoriae-reginae – Appendix II (1983) – annotation #1 from 1985
Euphorbia antisyphilitica – Appendix II (1975, under succulent Euphorbia spp.) – annotation #1 from 1985
Hedychium philippinense – Appendix I (1975); Appendix II with annotation #1 (1992)
Nolina interrata – Appendix I (1983)
Orothamnus zeyheri – Appendix I (1975); Appendix II with annotation #1 (1997)
Protea odorata – Appendix I (1975); Appendix II with annotation #1 (1997)
Shortia galacifolia – Appendix II (1983) – annotation #1 from 1985
Tillandsia spp.: T. harrisii, T. kammii, T. kautskyi, T. mauryana, T. sprengeliana, T. sucrei – Appendix II (1992) with annotation #1
Welwitschia mirabilis – Appendix I (1975); Appendix II with annotation #1 (1990)

Ornamental plants, large taxa

Cactaceae: the genera Pereskia and Pereskiopsis – Appendix II (1975, c. 24 spp.) – annotation #4 from 1985
Sclerocactus – Appendix II (1975, 9 spp.); Appendix I (1983); except for S. nyensis – Appendix II in 1985 annotation #4; Appendix I in 2003
Cycads: Cycas beddomei – Appendix II (1977) – annotation #1 from 1985; Appendix I (1987)
Didieraceae spp. – Appendix II (1977, 11 spp.) – annotation #1 added in 1985
Euphorbia spp.: All species in Appendix I (10 spp., Madagascar); Appendix II (1975) – annotation #1 in 1985; Appendix I in 1990 and 1995
Aloe spp.: All Madagascan species in Appendix I (17 spp.)
Orchidaceae spp.: Peristeria elata – Appendix I (1975) (change of annotation in 1995)

5. The Secretariat, through Notification to the Parties No. 2005/037 of 19 July 2005, communicated to the Parties the list of candidate taxa for review agreed by the Plants Committee. Range States of these species were requested to send their comments on the need to review these species by 18 September 2005. The comments received are attached to this document as Annex 2.

6. In conformity with paragraph c) in Annex 1, and taking into account the comments in Annexes 2, 3 and 4 to this document, the Plants Committee is requested, in consultation with the Standing Committee, to finalize the selection of plant species to be reviewed before the 15th meeting of the Conference of the Parties.
PERIODIC REVIEW OF THE APPENDICES

Recommendations of the Standing Committee
adopted at its 51st meeting (Bangkok, October 2004)

a) The Animals and Plants Committees should share their experience regarding the undertaking of periodic reviews of species included in the Appendices (including the financing of reviews, the process, the format and output) and establish a schedule for the periodic review of the Appendices, listing the species they propose to review during the next two intersessional periods between meetings of the Conference of the Parties.

b) The Secretariat should send a copy of this list to all Parties requesting that range States of the species send their comments on the need to review these species to the Secretariat, to relay to the members of the Animals or Plants Committee and of the Standing Committee.

c) Taking these comments into account, the Animals and Plants Committees should in consultation with the Standing Committee finalize the selection of the species to be reviewed.

d) The Animals and Plants Committees should conduct or organize the reviews, seeking information from the range States. A draft of each review (in an agreed format) should be provided by the Secretariat to the range States for comment within an agreed timeframe, and these comments should be taken into consideration before the review is considered final.

e) Inter-governmental bodies having a function in relation to the management or conservation of, or trade in species selected for review should be provided with the relevant draft reviews for comment within an agreed timeframe, and these comments should be taken into consideration when finalizing the review.

f) The regional representatives of the Animals, Plants and Standing Committees should seek assistance from range States within their region to support the species reviews conducted by the Animals and Plants Committees.

g) The Animals and Plants Committees are encouraged to follow the guidelines and rapid assessment technique in Annexes 1 and 2 of document SC51 Doc. 16 and their updates when selecting species and conducting the periodic review.

h) In cases where a review indicates, and the technical Committee concerned agrees, that it would be appropriate to transfer a species from one Appendix to another, or to delete a species from Appendix II, the Animals or Plants Committee should, in consultation with the range States, prepare (or arrange the preparation of) a proposal to amend the Appendices and keep the Standing Committee informed.

i) The Secretariat on behalf of the Standing Committee should provide copies of the proposal to the range States and request that one or more should submit the proposal for consideration at the following meeting of the Conference of the Parties.

j) If no range State is willing to submit the proposal, the Secretariat should request the Depositary Government to submit it [as specified in Resolution Conf. 11.1 (Rev. CoP12)] and to include the comments of the range States in the supporting statement.

k) Proposals resulting from the periodic review of the Appendices must be submitted for decision by the Conference of the Parties.
Willem Wijnstekers  
Secretario General  
Secretariado CITES  
PRESENTE

Estimado Willem Wijnstekers,

Me dirijo a usted en respuesta a la Notificación 2005/037 sobre el Examen Periódico de especies de flora y fauna incluidas en los Apéndices de la Convención para el Comercio Internacional de Especies Amenazadas de Fauna y Flora Silvestres (CITES) emitida a las Partes el 19 de julio del año en curso en la que se le solicita a las partes indicar su disposición a realizar las revisiones periódicas de varias especies de flora y fauna que quedan pendientes.

Al respecto le informo que en el grupo de trabajo (GT3) de la 15° Reunión del Comité de Flora “PC15”, México se propuso como responsable para examinar los géneros de *Pereskia* y *Pareskioptis*—Apéndice II (1975) de la familia Cactaceae. Actualmente contamos con el apoyo de un especialista que se encuentra revisando y actualizando la información del género *Pareskioptis* incluida en el documento que fue elaborado y presentado por Suiza en la CdP 12 (doc 12.45), en el cual se hace una revisión de todas las especies de la Subfamilia *Pareskioideae*, todas las especies del género *Pareskioptis* y todas las especies del género *Quiabentia*. Con respecto al género *Pereskia*, consideramos que no es pertinente que México realice el examen periódico ya que de las diez y ocho especies del género únicamente una de ellas tiene distribución en México y no es endémica. Sin embargo, estamos dispuestos a colaborar con el país que decida realizar el examen de este género, aportando información de la especie distribuida en México.

En relación con el Examen Periódico de *Euphorbia antisiphilitica*—Apéndice II (1975, bajo *Euphorbia* spp. suculentas) estamos haciendo una revisión de la información disponible y evaluando la necesidad de realizar un estudio de campo. Para ello nos encontramos trabajando de manera coordinada entre las diferentes instituciones gubernamentales relacionadas con la gestión y conservación de la especie. Además se contratará a un especialista que compilará y hará el análisis de toda la información.
En cuanto al examen periódico de especies de fauna, en la 21° Reunión del Comité de Fauna (AC21) se presentó el informe del estudio de *Ambystoma mexicanum* y la resolución de esta especie por parte del Comité de Fauna quedó pendiente para discutirse en el AC22.

El informe del Estudio de *Dermatemys mawii* también se presentó en el AC21 y quedó pendiente su discusión para el AC22. Actualmente nos encontramos en comunicación electrónica constante con el Grupo de Especialistas de tortugas de la UICN y se le solicitó información adicional a los países del área de distribución, Guatemala, Belice y Honduras. Nos encontramos compilando toda esta información y se tiene planeado tener un taller junto con los países del área de distribución, a principios del 2006 en el que se discutirá el asunto.

Sin otro particular, aprovecho la ocasión para enviarle un cordial saludo,

*Atentamente,*

[Signature]

Biól. Hesiquio Benítez Díaz  
Director de Enlace y Asuntos Internacionales

c.c.p. Mtra. Ana Luisa Guzmán - Secretaria Ejecutiva.- CONABIO  
Dr. José Bernal Stocopen- Director General de Inspección y Vigilancia de Vida Silvestre-PROFEPA.  
MVZ. Felipe Ramírez Ruíz de Velasco- Director General- DGVS- SEMARNAT
1. This document has been prepared by the chairman of the working group on the 'Periodic review of plant species included in the CITES Appendices', PC15 WG3 (Mr Lüthy, alternate member of the Plants Committee for Europe).

2. The list of taxa has been modified after PC15 via correspondence. The Plants Committee should note modifications and is invited to adopt the resulting list below (new species are indicated in brackets):

**Medicinal plants (no modifications)**

- Saussurea costus
- Dioscorea deltoidea
- Euphorbia antisyphilitica

**Timber species (no modifications)**

- Balmea stomae
- Platymiscium pleiostachyum
- Podocarpus parlatorei

**Ornamental plants, small taxa (no modifications)**

- Agave arizonica
- Agave parviflora
- Agave victoriae-reginae
- Nolina interrata
- Tillandsia harrisii
- Tillandsia kammii
- Tillandsia kautskyi
- Tillandsia mauryana
- Tillandsia sprengelianana
- Tillandsia sucrei
- Shortia galacifolia
- Orothamnus zeyheri
- Protea odorata
- Welwitschia mirabilis
- Hedychium philippinense

**Ornamental plants, big taxa**

- Cactaceae
- Pereskia spp.
- Pereskopsis spp.
- Quiabentia spp. (new)
- Sclerocactus spp.
- Discocactus spp. (new)
- Melocactus conoideus (new)
- Melocactus deinacanthus (new)
- Melocactus glaucescens (new)
- Melocactus paucispinus (new)

**Cycads**

- Cycas beddomei
Didieraceae
Didieraceae spp.

Succulent euphorbias
Euphorbia, the spp. species in Appendix I
Euphorbia ingens (new)
Euphorbia tirucallii (new)

Aloes
Aloe, the Malagasy species in Appendix I
Aloe arborescens (new)

Orchids
Peristeria elata

3. Taxa covered by voluntary reviewers and the state of reviews, as far as reported to the chairman of the working group, can be seen from the table in Annex 4. Some taxa are not yet under review, as no volunteers have been identified so far.

4. After Notification to the Parties No. 2005/037 of 19 July 2005, the chairman of the working group contacted a number of range States (Argentina, Bolivia, Brazil, India, Madagascar and Peru). Argentina, Brazil and Madagascar responded and submitted contributions, established contacts with national experts or requested further information.

5. It has become obvious that there is a general problem with the review of taxa that occur in more than one range State and which are represented by one or a few species in each range State, such as the genus Pereskia. The Plants Committee should discuss this problem and possibly seek alternative ways to review such taxa.

6. The chairman of the working group would like to bring to the attention of the Plants Committee that it may be necessary to allocate funds for the review in cases where no voluntary experts are available and external experts have to be contracted.

7. The chairman of the working group extends his cordial thanks to all contributors.
### WG3 (periodic review of the Appendices): taxa and people

<table>
<thead>
<tr>
<th>Taxon</th>
<th>Appendix and year of listing</th>
<th>Number of species for higher taxa</th>
<th>Range State(s) / Territories</th>
<th>Country(ies) responsible for review</th>
<th>Contact person (e-mail address)</th>
<th>Status of review</th>
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<td>Dioscorea deltoidea</td>
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<td>Hesiquio Benitez Diaz (<a href="mailto:hbenitez@xolo.conabio.mx">hbenitez@xolo.conabio.mx</a>), Patricia Davila Aranda (<a href="mailto:pdavila@servidor.unam.mx">pdavila@servidor.unam.mx</a>)</td>
<td>We are currently looking for the expert that will conduct the study.</td>
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<td>Costa Rica, El Salvador, Honduras, Nicaragua</td>
<td></td>
<td>Dora Ingrid Rivera (<a href="mailto:drivera@una.ac.cr">drivera@una.ac.cr</a>; <a href="mailto:dora.ingrid.rivera@gmail.com">dora.ingrid.rivera@gmail.com</a>)</td>
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<td>Podocarpus parlatorei</td>
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<td>Argentina, Bolivia, Peru</td>
<td></td>
<td>Alejandro Brown (<a href="mailto:abrown@proyungas.com.ar">abrown@proyungas.com.ar</a>), Pedro G. Blendinger (<a href="mailto:blendinger@birdecology.com.ar">blendinger@birdecology.com.ar</a>)</td>
<td>report submitted on 16.02.06 and additional report submitted on 22.02.06</td>
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<td><em>Welwitschia mirabilis</em></td>
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<td>Angola, Namibia</td>
<td>Namibia</td>
<td>Elly Hamunyela (<a href="mailto:ehamunyela@africaonline.com.na">ehamunyela@africaonline.com.na</a>)</td>
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<td>Pereskia spp.</td>
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<td>16 spp.</td>
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<td>P. saccarosa, P. aculeata, P. nemorosa: Argentina</td>
<td>Roberto Kiesling (<a href="mailto:robertokiesling@darwin.edu.ar">robertokiesling@darwin.edu.ar</a>)</td>
<td>biological and conservation data on spp. from AR submitted on 17.01.06. MX is compiling bibliographical information for P. aculeata in Mexico with the intention of presenting the results at PC16</td>
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<td>Guatemala, Honduras, Mexico</td>
<td>Mexico</td>
<td>Hesiquio Benitez Diaz (<a href="mailto:hbenitez@xolo.conabio.mx">hbenitez@xolo.conabio.mx</a>), Patricia Davila Aranda (<a href="mailto:pdavilaa@servidor.unam.mx">pdavilaa@servidor.unam.mx</a>)</td>
<td>In process of a bibliographical compiling of all the available data for the genus with the intention of presenting the results in PC16</td>
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<td>Quiabentia spp. (to be approved by PC)</td>
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<td>2 spp.</td>
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<td>Q. zehntneri: Brazil; Q. verticillata: Argentina</td>
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<tr>
<td>Cycads</td>
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<tr>
<td>Cycas beddomei</td>
<td>App. II (1975); App. I (1987)</td>
<td></td>
<td>India</td>
<td></td>
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<td>Didieraceae</td>
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<tr>
<td>Succulent euphorbias (see also under Medicinal plants)</td>
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<tr>
<td>Euphorbia, the spp. in Appendix I</td>
<td>App. I (1 sp. 1995, all other 1990)</td>
<td>10 spp.</td>
<td>Madagascar</td>
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<tr>
<td>Euphorbia ingens (to be approved by PC)</td>
<td>App. II (1975, under succulent Euphorbia spp.)</td>
<td></td>
<td>Malawi, South Africa, Zimbabwe</td>
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<tr>
<td>Euphorbia tirucalli (to be approved by PC)</td>
<td>App. II (1975, under succulent Euphorbia spp.)</td>
<td></td>
<td>Angola, Ethiopia, India, Indonesia, Kenya, Madagascar, Pakistan, Saudi Arabia, United Republic of Tanzania, Uganda, Zimbabwe</td>
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<tr>
<td>Aloe</td>
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<tr>
<td>Aloe, the Malagasy species in Appendix I</td>
<td>App. I (1995)</td>
<td>17 spp.</td>
<td>Madagascar</td>
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<td>Aloe arborescens (to be approved by PC)</td>
<td>App. II (1975, under Aloe spp.)</td>
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<td>Malawi, Mozambique, South Africa, Swaziland, Zimbabwe</td>
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<tr>
<td>Taxon</td>
<td>Appendix and year of listing</td>
<td>Number of species for higher taxa</td>
<td>Range State(s) / Territories</td>
<td>Country(ies) responsible for review</td>
<td>Contact person (e-mail address)</td>
<td>Status of review</td>
</tr>
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<tr>
<td>Orchids</td>
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<tr>
<td>Peristeria elata</td>
<td>App. I (1975)</td>
<td></td>
<td>Colombia, Costa Rica, El Salvador, Panama, Venezuela</td>
<td>Costa Rica</td>
<td>Dora Ingrid Rivera (<a href="mailto:drivera@una.ac.cr">drivera@una.ac.cr</a>; <a href="mailto:dora.ingrid.rivera@gmail.com">dora.ingrid.rivera@gmail.com</a>)</td>
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</table>

**WG3 participants (focal persons)**

- Chile (Rafael Bustamante, Miguel Angel Trivelli)
- Mexico (Hesiquio Benitez, Patricia Davila)
- Namibia (Elly Hamunyela)
- Netherlands (Chris Schürmann)
- Thailand (Manit Jaichagun)
- United States of America (Patricia Ford)
- IWMC (Jaques Berney)
- TRAFFIC (David Newton, Sabri Zain)
- UNEP-WCMC (Harriet Gillett)

**Volunteers (ad personam mandates)**

- Dora Ingrid Rivera (Costa Rica)
- Marlon Machado (Brazil)
- Roberto Kiesling (Argentina)
- Alejandro Brown (Argentina)
- Celso do Lago Paiva (Brazil)
- Pedro G. Blendinger (Argentina)