CONVENTION ON INTERNATIONAL TRADE IN ENDANGERED SPECIES OF WILD FAUNA AND FLORA



Nineteenth meeting of the Plants Committee Geneva (Switzerland), 18-21 April 2011

Annotations

CACTACEAE AND ORCHIDACEAE: REVIEW OF ANNOTATIONS (DECISION 15.34)

- 1. This document has been submitted by the interim Vice-Chair in collaboration with the Scientific Authority of the United Kingdom, at the request of the interim Chair of the Plants Committee^{*}.
- 2. At its 15th meeting (Doha, 2010), the Conference of the Parties adopted <u>Decision 15.34</u>, that states the following:

The Plants Committee shall:

- a) continue to review the trade in Aloe spp., Cactaceae spp., Cyclamen spp., Galanthus spp., Gonystylus spp., Orchidaceae spp. and Prunus africana to determine whether additional finished products should be exempted by amending the relevant annotations for these species. This review should initially focus on trade in finished products of Orchidaceae spp. Recommendations on whether to exempt additional finished products from CITES controls should be based on the same considerations reflected in document PC18 Doc. 11.3 (e.g. whether finished products are exported from range States and are a significant portion of the trade). In conducting this work, the Plants Committee should consider whether a clear definition of 'finished products' should be developed; and
- b) as appropriate, prepare proposals to amend Appendix II, based on the outcome of this review, and provide them to the Depositary Government for submission at the 16th meeting of the Conference of the Parties.

Background

- 3. At its 14th meeting (CoP14; The Hague, 2007), the Conference of the Parties adopted Decision 14.130 asking the Plants Committee to analyze the amendments to annotations #1, #4 and #8 of proposal CoP14 Prop. 26 in order to decide whether there is merit in further developing and refining them; and if appropriate, prepare a proposal on annotations for consideration at the 15th meeting of the Conference of the Parties.
- 4. In order to implement Decision 14.130, at PC17 (Geneva 2008), a working group (PC17 WG1) was established to analyze document PC17 Doc.13.1 "Cactaceae and Orchidaceae: review of annotations". This document made reference to amendments proposed to annotations #1, #4 and #8, by Switzerland in

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document <u>CoP14 Prop. 26</u>. Since annotation #8 for Orchidaceae was abandoned at CoP14, the working group focused its work to identify if some elements could be partly or entirely exempted from CITES and whether this could be done by merging and amending annotations #1 and #4.

- 5. Following discussion of the Working Group (PC17 WG1), the Plants Committee agreed to establish an intersessional working group on finished products (PC17 WG13), with the task of determining whether it would be appropriate to annotate any of the taxa from the list in element *f*) of document PC17 Doc. 13.1 (Annex 1) with an annotation to exclude 'finished products and ready for retail trade'. Such taxa were: *Aloe* spp., *Aquilaria spp.*, Cactaceae spp., *Cibotium barometz, Cistanche deserticola, Cyclamen* spp., *Dionaea muscipula, Euphorbia* spp., *Galanthus* spp., *Gonystylus* spp., *Gyrinops* spp., Orchidaceae spp., and *Prunus africana.* Another intersessional working group (PC17 WG14) was formed to deal with herbarium specimens.
- 6. The PC17 WG13 limited its review to *Cibotium barometz*, *Cistanche deserticola* and *Dionaea muscipula*, and presented its results at PC18 (Buenos Aires, 2009). This working group recommended through document <u>PC18 Doc. 11.3</u> (Review on trade of finished products for certain taxa): not to exempt finished products of *Cibotium barometz* and *Cistanche deserticola* because they are exported directly from China, which is a range State for these species; and, after further discussion with the United States of America, which is the only range State for *Dionaea muscipula*, it was also decided to not exempt finished products of this species due to low volume of trade. The United States agreed with the working group that adding an exemption for this species might create an unnecessary complication with regard to an annotation.
- 7. Also, the working group determined that *Euphorbia* spp., and specifically trade in cosmetic products containing candelilla wax (*Euphorbia antisyphilitica*) warranted consideration under its mandate. Germany offered to commission a small market review on the trade in *Euphorbia* spp. for medicinal, aromatic, and cosmetic use, and presented its findings at PC18 under the information document <u>PC18 Inf. 6</u>. During discussions at PC18 it was concluded that it would be appropriate to exclude finished products of *E. antisyphilitca* packaged and ready for retail trade.
- 8. At CoP15, Mexico and the United States of America –on behalf of the Plants Committee– proposed (in <u>CoP15 Prop. 25</u>) to delete annotations #1 and #4 and replace them both with a new annotation for plant taxa listed in Appendix II. The proposal was adopted, with few amendments. However, given that Annotation #1 applies to five species listed in Appendix III by Nepal (*Gnetum montanum, Magnolia liliifera var. obovata, Menocopsis regia, Podocarpus neriifolius,* and *Tetracentron sinense*), such annotation remains valid only for those species; whereas the new annotation is currently reflected in the Appendices under Annotation #4.
- 9. The Plants Committee during CoP15, through document <u>CoP15 Doc. 64</u>, recommended to eliminate herbarium specimens from further consideration in this exercise, and proposed to adopt Decision 15.34 on *Evaluation of trade in finished products*.

Actions taken

- 10. In order to progress with the implementation of Decision 15.34, review of trade in finished products was focused in Orchidaceae, following considerations of document PC18 Doc. 11.3. At the request of Mexico a questionnaire was distributed to CITES Management and Scientific Authorities through <u>Notification No. 2011/003</u> "Trade in specimens of Orchidaceae spp." on January 6, 2011. Parties were invited to respond the following questions:
 - a) Indicate genera and if possible species of Orchidaceae mainly traded as "finished products packaged and ready for retail trade" and describe such finished products.
 - b) Are these products manufactured in your country or do they originate from other countries if other countries please list, if unknown, please state.
 - c) Are they manufactured from specimens artificially propagated or from wild source?
 - d) Do you use a Customs Harmonized Tariff for such international trade? If so, please include it.

Analysis of responses and results

- 11. Only twelve Parties responded to Notification 2011/003: China, Costa Rica, Germany, Japan, Netherlands, Peru, Slovenia, Spain, Sweden, Switzerland, Thailand and the United Kingdom. Only responses indicating either genus or species of orchids traded as <u>finished products</u> were considered (Annex 1). Information not included can be consulted in Annex 3.
- 12. The replies from Parties are limited and provide insufficient information to frame definite recommendations. A brief web survey revealed that there are an extensive range of orchid based products available in the international market place (especially in the cosmetic sector).
- 13. Additionally, Germany provided a list of 217 species orchids of more than 50 genera (Annex 2) whose parts and derivatives are traded mainly for traditional Asian medicine (TAM) purposes, and preparation of Salep in Turkey and other countries, although it seems that lately Salep has been prepared with synthetic products. Also, Germany indicates that the majority of orchid species involved in this trade are wild collected, given that cultivation is difficult. Noting that in particular three species (*Bletilla striata, Dendrobium nobile* and *Gastrodia elata*) are traded in high volumes for TAM purposes, together with other species of *Dendrobium* (not specified).
- 14. Six species and two genera of orchids reported trade of finished products (Annex 1). All were reported as 'artificially propagated' or 'likely artificially propagated'. However two species (*Bletilla striata* and *Gastrodia elata*) and one genus (*Dendrobium* spp.) are mentioned in Germany's list (Annex 2) and could be from wild origin.
- 15. Reported finished products are: bath oil, body scrub, cosmetics, drinking tonic, extract (including flower extract and liquid extract), facial cream, hair care products (capillary preparations, hair mist, and shampoo), pill composition, roll-on deodorant, shower gel, salep and traditional medicine products.
- 16. No range States registered either manufacture or export finished products of the following species: *Dendrobium phalaenopsis, Orchis mascula and Phalaenopsis amabilis (P. grandiflora).* However it is not possible to estimate if they represent a significant portion of the trade.
- 17. China reports manufacturing *and* exporting finished products (for traditional medicine) of the genera *Dendrobium*; likewise, Japan reports manufacturing *and* exporting finished products (cosmetics) of the genera *Phalaenopsis*. However, species involved are not indicated.
- 18. HS codes were provided only for *Bletilla striata* and *Dendrobium* spp.

Conclusions

- 19. An additional survey of the international marketplace is required to gain adequate data on the full extent of international trade –a comprehensive survey of material available on the web would seem the most effective mechanism.
- 20. The results of this survey can be used to help further refine the definition of finished products and, if appropriate, help craft a suitable annotation to apply to the Appendix II listing of the orchid family.

Recommendations to the Plants Committee

- 21. The Plants Committee is invited to:
 - a) Take note of the summary of responses to Notification 2011/003 (Annexes 1, 2 and 3).
 - b) Identify Parties and observers willing to contribute to a web survey of the international trade in orchid products in time for results to be considered at its 20th meeting.
 - c) Decide if similar web surveys should be carried out for the other groups mentioned in Decision 15.34.

SUMMARY OF RESPONSES TO NOTIFICATION NO. 2011/003

Respondent		Species of Orchidaceae	Distribution (according to the 'CITES species database')	Finished product(s)	Country of manufacture	Importer	Exporter(s)	Re-exporter	Source code	HS code(s)	Comments
China and Spain	1.	Bletilla striata	China, Japan, Korea	Liquid extract, traditional medicine	China Japan	Spain	China	1	A	- 13021980 - 3004909010 - 3004905910 - 3004905110	Spain reports a total import of 0.224 kg of liquid extract in 2010. HS codes are the ones reported by China.
UK	2.	Cymbidium grandiflorum (C. hookerianum)	Bhutan, China, India, Nepal, Viet Nam	Hair mist (bottles), bath oil (bottles), body scrub (tubes)	Several countries (not specified)	Not specified	Not specified	Not specified	Likely A	1	Globally available products from different producers (including the brand <i>Revlon</i>).
Switzerland and UK	3.	Dendrobium phalaenopsis	Australia	Flower extract, facial cream.	USA	Switzerland	/	/	A, and likely A	1	/
China and Thailand	4.	Gastrodia elata*	Bhutan, China, Democratic People's Republic of Korea, India, Japan, Korea, Republic of Nepal, Russian Federation, Taiwan, Province of China	Drinking tonic, pill composition and traditional medicine.	China Thailand	Thailand	China	Thailand	A		

Respondent		Species of Orchidaceae	Distribution (according to the 'CITES species database')	Finished product(s)	Country of manufacture	Importer	Exporter(s)	Re-exporter	Source code	HS code(s)	Comments
Slovenia, Spain and Switzerland	5.	Orchis mascula	Albania, Croatia, Czech Republic, Denmark, Estonia, Finland, Hungary, Latvia, Lithuania, Netherlands, Norway, Poland, Russian Federation, Sweden, Switzerland, Ukraine, United Kingdom	Hair care products (shampoo, capillary preparations), extract, and cosmetic products.	Belgium Germany Spain	Switzerland	Slovenia Spain Switzerland	1	A	1	Spain reports buying the extract to Belgium, from which it elaborates the hair products (capillary preparations).
Switzerland	6.	Phalaenopsis amabilis (P. grandiflora)	Australia, Cambodia, Indonesia, Lao People's Democratic Republic, Malaysia, Papua New Guinea, Philippines, Viet Nam	Roll-on deodorant, shower gel, and extract.	Switzerland and other not specified.	Switzerland	Switzerland	1	A	1	Based on Switzerland's trade information corresponding to period 2005-2009. In total, 64 trade events.

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Respondent	Genera of Orchidaceae	Finished product(s)	Country of manufacture	Importer	Exporter(s)	Re- exporter	Source code	HS code(s)	Comments
China	1. Dendrobium spp.	Traditional medicine.	China	/	China	/	A	- 3004909010 - 3004905910 - 3004905110	HS codes reported by China.
Japan	2. Phalaenopsis spp.	Cosmetics.	Japan	1	Japan	1	А	1	/

Species or genera that, according to Germany's inputs, are mainly used for TAM or Salep preparation purposes and might stem from wild collection (see Annex 2).

PC19 Doc. 11.3 Annex 2

ORCHIDS WHOSE PARTS AND DERIVATIVES ARE TRADED MAINLY FOR TRADITIONAL ASIAN MEDICINE (TAM) OR SALEP PREPARATION PURPOSES AND MIGHT STEM FROM WILD COLLECTION

- Orchids traded in specially high volumes for TAM purposes:
 - 1. Bletilla striata
 - 2. Dendrobium nobile, and other Dendrobium species
 - 3. Gastrodia elata
- Other orchids traded for TAM or Salep preparation purposes:

1.	Acampe praemorsa
2.	Aceras anthropophorum
3.	Acrolophia cochlearis
4.	Aerangis mystacidii
5.	Aerangis thomsonii
6.	Amitostigma gracile
7.	Anacamptis pyramidalis
8.	Anoectochilus formosanus
9.	Anoectochilus roxburghii
10.	Ansellia africana
11.	Ansellia gigantea
12.	Arundina graminifolia
13.	Barlia robertiana
14.	Bletilla formosana
15.	Bletilla ochracea
16.	Bolusiella maudiae
17.	Bonatea steudneri
18.	Bulbophyllum griffithii

19.	Bulbophyllum inconspicuum
20.	Bulbophyllum kwangtungense
21.	Bulbophyllum odoratissimum
22.	Bulbophyllum reptans
23.	Calanthe alpine
24.	Calanthe davidii
25.	Calyptrochilum emarginatum
26.	Changnienia amoena
27.	Comperia comperiana
28.	Cremastra appendiculata
29.	Cymbidium ensifolium
30.	Cymbidium sinense
31.	Cypripedium flavum
32.	Cypripedium franchetii
33.	Cypripedium guttatum
34.	Cypripedium henryi
35.	Cypripedium japonicum
36.	Cypripedium macranthon

37.	Cypripedium margaritaceum
38.	Cypripedium parviflorum
39.	Cyrtopodium punctatum
40.	Cyrtorchis arcuata
41.	Dactylorhiza hatagirea
42.	Dactylorhiza iberica
43.	Dactylorhiza osmanica
44.	Dactylorhiza romana
45.	Dendrobium acinaciforme
46.	Dendrobium aduncum
47.	Dendrobium aphyllum
48.	Dendrobium bellatulum
49.	Dendrobium bifarium
50.	Dendrobium candidum
51.	Dendrobium cariniferum
52.	Dendrobium chrysanthum
53.	Dendrobium chryseum

54. Dendrobium chrysotoxum

55.	Dendrobium crepidatum
56.	Dendrobium crumenatum
57.	Dendrobium crystallinum
58.	Dendrobium dainanense
59.	Dendrobium densiflorum
60.	Dendrobium devonianum
61.	Dendrobium discolor
62.	Dendrobium falconeri
63.	Dendrobium fimbriatum
64.	Dendrobium gibsonii
65.	Dendrobium gratiosissimum
66.	Dendrobium hainanense
67.	Dendrobium hancockii
68.	Dendrobium henryi
69.	Dendrobium hercoglossum
70.	Dendrobium hookerianum
71.	Dendrobium huoshanense
72.	Dendrobium jenkinsii

73.	Dendrobium linawianum
74.	Dendrobium lindleyi
75.	Dendrobium lituiflorum
76.	Dendrobium loddigesii
77.	Dendrobium lohohense
78.	Dendrobium longicornu
79.	Dendrobium macraei
80.	Dendrobium moniliforme
81.	Dendrobium monticola
82.	Dendrobium moschatum
83.	Dendrobium officinale
84.	Dendrobium ovatum
85.	Dendrobium pachyphyllum
86.	Dendrobium parishii
87.	Dendrobium planibulbe
88.	Dendrobium primulinum
89.	Dendrobium pulchellum
90.	Dendrobium purpureum
91.	Dendrobium reptans
92.	Dendrobium salaccense
93.	Dendrobium sp.
94.	Dendrobium strongylanthum
95.	Dendrobium subulatum
96.	Dendrobium teretifolium
97.	Dendrobium terminale
98.	Dendrobium tokai
99.	Dendrobium tosaense
100.	Dendrobium trigonopus
101.	Dendrobium wardianum
102.	Dendrobium williamsonii
103.	Dendrobium wilsonii

104. Dendrobium xiurenense
105. Dendrobium yongfuense
106. Diaphananthe millarii
107. Diaphananthe xanthopollinia
108. Disa aconitoides
109. Epipactis helleborine
110. Eulophia clitellifera
111. Eulophia cucullata
112. Eulophia dabia
113. Eulophia epidendracea
114. Eulophia herbacea
115. Eulophia nuda
116. Eulophia parviflora
117. Eulophia petersii
118. Eulophia ramentacea
119. Eulophia speciosa
120. Eulophia streptopetala
121. Flickingeria bifida
122. Flickingeria comata
123. Flickingeria fimbriata
124. Flickingeria lonchophylla
125. Galeola faberi
126. Galeola lindleyana
127. Gastrochilus formosanus
128. Goodyera procera
129. Goodyera schlechtendaliana
130. Gymnadenia conopsea
131. Gymnadenia crassinervis
132. Gymnadenia emeiensis
133. Gymnadenia orchidis
134. Habenaria glaucifolia

135.	Habenaria linguella
136.	Habenaria mairei
137.	Habenaria rhodocheila
138.	Habenaria szechuanica
139.	Habenaria tibetica
140.	Himantoglossum affine
141.	Himantoglossum caprinum
142.	Liparis caespitose
143.	Liparis distans
144.	Liparis dunnii
145.	Liparis fargesii
146.	Liparis japonica
147.	Liparis nervosa
148.	Liparis remota
149.	Ludisia discolor
150.	Malaxis acuminata
151.	Microcoelia exilis
152.	Mystacidium capense
153.	Mystacidium millarii
154.	Mystacidium venosum
155.	Neotinea maculata
156.	Nervilia fordii
157.	Nervilia plicata
158.	Ophrys bombyliflora
159.	Ophrys ciliata
160.	Ophrys cornuta
161.	Ophrys ferrum-equinum
162.	Ophrys fusca
163.	Ophrys holoserica
164.	Ophrys lutea
165.	Ophrys mammosa

166. Ophrys phrygia
167. Ophrys reinholdii
168. Ophrys scolopax
169. Ophrys sicula
170. Ophrys tenthredinifera
171. Ophrys umbilicata
172. Orchis anatolica
173. Orchis coriophora
174. Orchis italica
175. Orchis laxiflora
176. Orchis mascula subsp. mascula
177. Orchis militaris
178. Orchis morio subsp. morio
179. Orchis pallens
180. Orchis palustris
181. Orchis papilionacea
182. Orchis pinetorum
183. Orchis provincialis
184. Orchis purpurea
185. Orchis sancta
186. Orchis simian
187. Orchis spitzelii
188. Orchis tridentate
189. Paphiopedilum concolor
190. Paphiopedilum concolor
191. Paphiopedilum parishii
192. Paphiopedilum parishii
193. Phaius tankervilliae
194. Pholidota cantonensis
195. Pholidota chinensis
196. Pholidota yunnanensis

197. Platanthera bifolia subsp. bifolia
198. Platanthera chlorantha
199. Platanthera concreta
200. Pleione bulbocodioides
201. Pleione yunnanensis

202.	Polystachya concreta
203.	Polystachya ottoniana
204.	Polystachya pubescens
205.	Polystachya sandersonii
206.	Rangaeris muscicola

207. Serapias vomeracea
208. Spiranthes sinensis
209. Tangtsinia nanchuanica
210. Thunia alba
211. Traunsteinera globosa

212.	Tridactyle bicaudata
213.	Tridactyle tridentata
214.	Vanilla planifolia

INFORMATION PROVIDED IN RESPONSE TO NOTIFICATION NO. 2011/003 THAT WAS NOT CONSIDERED FOR PURPOSES OF THE DOCUMENT

Parties that responded	Genera, species or common name of Orchidaceae	Finished product(s)	Country of manufacture	Importer	Exporter(s)	Source code	HS code(s)	Comments
Costa Rica	Arundina gramnifolia	Live plants	CR.		Х	А	/	
	Bulbophylum hibrida	Live plants	TW	Х		А	1	
	Cattleya dowiana	Live plants	CR.		Х	А	/	
	Cattleya hibridas	Live plants	TW	Х		А	/	
	Dendrobium antennatum	Live plants	CR.		х	A	/	
	Dendrobium antennatum	Live plants	TW	х		А	/	
	Oncidium spp.	Live plants	CR.		Х	А	/	
	Oncidium spp.	Live plants	TW	Х		А	1	
	Phalaenopsis spp.	Live plants	CR.		X	А	/	
	Phalaenopsis spp.	Live plants	TW	Х		А	1	
	Pleurothallis gnobii	Live plants	CR.		Х	А	/	
	Rhynchostylis spp.	Live plants	TW	Х		А	1	
	Spathoglottis plicatta	Live plants	CR.		X	А	1	
Netherlands	Cattleya spp.	Live plants	Mexico	Х		А	Т	Permit issued on: 14-08-1998
	Orchidaceae spp.	Live plants for private collection	Mexico	Х		А	Т	Permit issued on: 14-08-1998
Sweden	Cypreipedium debile	Live plants	Japan	Х		А	Т	
	Ophrys apifera	ROO (roots, bulbs, corms or tubers)	Sweden		X	А	N	
	Ophrys fusca	ROO	Sweden		Х	А	N	
	Ophrys sphegodes	ROO	Sweden		Х	А	N	
	Ophrys sphegodes	ROO	Sweden		Х	А	N	
	Orchis coriophora	ROO	Sweden		Х	А	Ν	

Parties that responded	Genera, species or common name of Orchidaceae	Finished product(s)	Country of manufacture	Importer	Exporter(s)	Source code	HS code(s)	Comments
UK	"Blue Orchid extract" – not specified	Orchid oil (bottles)	EU	Within EU			1	Offered for sale
	"White orchids"	Face cream (bottles) & Oil (bottles)	France	Within EU			/	Offered for sale
	A range of genera e	Dietary supplements – extracts (bottles)	Unknown				1	Offered for sale
	Orchid - not specified	Perfumes (55 Gallon Drums)	Unknown	Unknown			1	Offered for sale
	Orchid – not specified	Soap (wrapped)	Turkey	Yes			1	Offered for sale
	Orchid extract & Scent - not specified	Shower gel, cream & conditioner (bottle)	UK?			All likely A	1	Offered for sale
	Orchid- not specified	Eau de Parfum in bottle	EU	Within EU			1	Offered for sale
	Orchids - various	Jewellery (pendants, earings, brooches) made with real orchid flowers and petals coated and mounted. Also Paperweights with orchid flowers embedded in glass.	Unknown					Offered for sale
	Orchids extract – not specified	Candles (wrapped)	India	Yes			1	Offered for sale
	Orchids tropical - not specified	Handbags & accessories decorated with pressed orchids.	USA	Yes			/	Offered for sale

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Finally, Peru reports that it does not trade finished products packaged and ready for retail trade of the family Orchidaceae. Only between 2007 and 2008 there was sporadic trade of tourist souvenirs (orchids in resin) of the genera *Lycaste, Prostechea, Epidendrum, Telipogon, Maxillaria* y *Masdevallia*m, from an authorized nursery. Other than that, there has been no trade of similar products.