

Fauna: new species and other taxonomic changes relating to species listed in the EC wildlife trade regulations

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**A report to the European Commission
Directorate General E - Environment
ENV.E.2. - Environmental Agreements and Trade**



by the

**United Nations Environment Programme
World Conservation Monitoring Centre**





**UNEP World Conservation Monitoring
Centre**

219 Huntingdon Road
Cambridge
CB3 0DL
United Kingdom

Tel: +44 (0) 1223 277314

Fax: +44 (0) 1223 277136

Email: species@unep-wcmc.org

Website: www.unep-wcmc.org

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Introduction

At CITES CoP 15, a number of new CITES standard references were adopted for fauna (see <http://www.cites.org/eng/res/all/12/E12-11R15.pdf>). These are also the standard references determining nomenclature in the EC wildlife trade regulations (most recently EC 709/2010). Since these references were compiled, a number of new species have been described and a number of other taxa have been subject to taxonomic revisions (splits and lumps) that may have implications for the names used and taxa included in the EC wildlife trade regulations. In addition, a number of nomenclatural and taxonomic changes proposed at CITES CoP 15 were not adopted at that meeting. Some of these proposed changes, including some involving mammals and all those involving amphibians, have been represented here because it was considered that they warranted further consideration.

The table below contains a list of taxonomic changes identified in recent publications relating to mammals, birds, reptiles, amphibians, fish and invertebrates listed in the EC wildlife trade regulations that were either published subsequent to the decisions adopted at CITES CoP 15, were overlooked in previous reviews, or were discussed but not adopted at CITES CoP 15.

| Species name | CITES Appendix | References | Comments on origin: lumping, splitting, new name, new genus |
|--|----------------|--|---|
| CHORDATA | | | |
| MAMMALIA | | | |
| ARTIODACTYLA | | | |
| BOVIDAE | | | |
| <i>Budorcas bedfordi</i> , <i>B. tibetana</i> , <i>B. whitei</i> | II | Groves & Grubb (2011), Valdez (2011a) | Split from <i>B. taxicolor</i> |
| <i>Capricornis maritimus</i> | I | Groves & Grubb (2011), Valdez (2011d) | Split from <i>C. milneedwardsii</i> |
| <i>Cephalophus brookei</i> | II | Groves & Grubb (2011), Huffman (2011b) | Split from <i>C. ogilbyi</i> |
| <i>Cephalophus castaneus</i> | II | Groves & Grubb (2011), Huffman (2011b) | Split from <i>C. dorsalis</i> |
| <i>Cephalophus crusalbum</i> | II | Groves & Grubb (2011), Huffman (2011b) | Split from <i>C. ogilbyi</i> |
| <i>Cephalophus curticeps</i> | II | Groves & Grubb (2011), Huffman (2011b) | Split from <i>C. silvicultor</i> |
| <i>Kobus anselli</i> | II | Cotterill (2005), Groves & Grubb (2011), Huffman (2011a) | Described as a new species in 2005, but previously treated as a taxonomically indistinct subpopulation of <i>K. leche</i> |
| <i>Kobus kafuensis</i> , <i>K. smithemani</i> | II | Groves & Grubb (2011), Huffman (2011a) | Split from <i>K. leche</i> |
| <i>Nemorhaedus</i> (sic) = <i>Naemorhedus bedfordi</i> | I | Groves & Grubb (2011), Valdez (2011c) | Split from <i>N. goral</i> |
| <i>Nemorhaedus</i> (sic) = <i>Naemorhedus</i> | I | Groves & Grubb (2011), Valdez (2011c) | Split from <i>N. griseus</i> |

| Species name | CITES Appendix | References | Comments on origin: lumping, splitting, new name, new genus |
|--|------------------|---|--|
| <i>evansi</i> | | | |
| <i>Ovis arabica</i> , <i>O. hodgsoni</i> (sic) = <i>hodgsonii</i> , <i>O. jubata</i> , <i>O. karelini</i> , <i>O. nigrimontana</i> , <i>O. polii</i> | I/II | Groves & Grubb (2011), Valdez & Weinberg (2011) | Split from <i>O. ammon</i> |
| <i>Ovis bochariensis</i> | II | Groves & Grubb (2011), Valdez & Weinberg (2011) | Split from <i>O. vignei</i> |
| <i>Ovis collium</i> | II | Groves & Grubb (2011), Valdez & Weinberg (2011) | Split from <i>O. ammon</i> |
| <i>Ovis cycloceros</i> | II | Groves & Grubb (2011), Valdez & Weinberg (2011) | Split from <i>O. vignei</i> |
| <i>Ovis darwini</i> | II | Groves & Grubb (2011), Valdez & Weinberg (2011) | Split from <i>O. ammon</i> |
| <i>Ovis gmelini</i> (sic) = <i>gmelinii</i> | I | Groves & Grubb (2011), Valdez & Weinberg (2011) | Previously known as <i>O. orientalis ophion</i> |
| <i>Ovis punjabiensis</i> | II | Groves & Grubb (2011), Valdez & Weinberg (2011) | Split from <i>O. vignei</i> |
| <i>Ovis severtzovi</i> | II | Groves & Grubb (2011), Valdez & Weinberg (2011) | Split from <i>O. vignei</i> |
| <i>Philantomba aequatorialis</i> , <i>P. anchietae</i> , <i>P. bicolor</i> , <i>P. congica</i> , <i>P. defriesi</i> , <i>P. hecki</i> , <i>P. lugens</i> , <i>P. melanorhea</i> , <i>P. simpsoni</i> | II | Groves & Grubb (2011), Huffman (2011b) | Split from <i>P. monticola</i> |
| <i>Rupicapra ornata</i> | I | Groves & Grubb (2011), Rodriguez <i>et al.</i> (2009), Valdez (2011b) | Split from <i>R. pyrenaica</i> |
| CERVIDAE | | | |
| <i>Axis annamiticus</i> | I | Groves & Grubb (2011) but not Mattioli (2011) | Split from <i>A. porcinus</i> |
| <i>Cervus bactrianus</i> , <i>C. barbarus</i> , <i>C. hanglu</i> | I/III | Groves & Grubb (2011) but not Mattioli (2011) | Split from <i>C. elaphus</i> |
| <i>Cervus wallichii</i> (including <i>hanglu</i>) | I/NC | Groves (2006), Mattioli (2011) | Split from <i>C. elaphus</i> |
| <i>Panolia eldii</i> | I | Groves & Grubb (2011) but not Mattioli (2011) | Transferred from <i>Rucervus</i> |
| <i>Panolia siamensis</i> , <i>P. thamin</i> | I | Groves & Grubb (2011) but not Mattioli (2011) | Transferred from <i>Rucervus</i> and split from <i>P. eldii</i> |
| HIPPOPOTAMIDAE | | | |
| <i>Choeropsis heslopi</i> | II | Groves & Grubb (2011) but not Lewison (2011) | Split from <i>C. liberiensis</i> |
| SUIDAE | | | |
| <i>Porcula salvinia</i> | I | Funk <i>et al.</i> (2007), Groves & Grubb (2011), Meijaard <i>et al.</i> (2011) | Transferred from <i>Sus</i> |
| TAYASSUIDAE | | | |
| <i>Pecari angulatus</i> | Excluded from II | Groves & Grubb (2011) but not Taber <i>et al.</i> (2011) | Split from <i>P. tajacu</i> |
| <i>Pecari crassus</i> | II/NC | Groves & Grubb (2011) but not Taber <i>et al.</i> (2011) | Split from <i>P. tajacu</i> |
| <i>Pecari maximus</i> | II | van Roosmalen <i>et al.</i> (2007) but not Gongora <i>et al.</i> (2011) | New species Not adopted at CoP15 or by Taber <i>et al.</i> (2011) |

| Species name | CITES Appendix | References | Comments on origin: lumping, splitting, new name, new genus |
|--------------------------------|----------------|--|--|
| CARNIVORA | | | |
| CANIDAE | | | |
| <i>Canis himalayensis</i> | I | Aggarwal <i>et al.</i> (2007) | New species Not adopted at CoP15 & not even mentioned by Silleri-Zubiri (2009) |
| <i>Canis indica</i> | I | Aggarwal <i>et al.</i> (2007) | New species Not adopted at CoP15 & not even mentioned by Silleri-Zubiri (2009) |
| CHIROPTERA | | | |
| PTEROPODIDAE | | | |
| <i>Pteropus banakrisi</i> | II | Helgen (2004) | Described in 2002, but subsequently found to be based on subadult <i>P. alecto</i> Not adopted at CoP15 |
| PERISSODACTYLA | | | |
| EQUIDAE | | | |
| <i>Equus hartmannae</i> | II | Groves & Grubb (2011) but see Moodley & Harley (2005) | Split from <i>E. zebra</i> |
| <i>Equus hemippus</i> | II | Groves & Grubb (2011) but not Rubenstein (2011) | Split from <i>E. hemionus</i> |
| <i>Equus khur</i> | I | Groves & Grubb (2011) but not Rubenstein (2011) | Split from <i>E. hemionus</i> |
| RHINOCEROTIDAE | | | |
| <i>Ceratotherium cottoni</i> | I | Groves & Grubb (2011), Groves <i>et al.</i> (2010) but see Dinerstein (2011) | Split from <i>C. simum</i> |
| TAPIRIDAE | | | |
| <i>Acrocordia indica</i> | I | Groves & Grubb (2011) but not Medici (2011) | Transferred from <i>Tapirus</i> |
| <i>Tapirella bairdii</i> | I | Groves & Grubb (2011) but not Medici (2011) | Transferred from <i>Tapirus</i> |
| PRIMATES | | | |
| CALLITRICHIDAE | | | |
| <i>Mico rondoni</i> | II | Ferrari <i>et al.</i> (2010) | New species |
| CEBIDAE | | | |
| <i>Aotus jorgehernandezi</i> | II | Defler & Bueno (2007) | New species Not adopted at CoP15 |
| <i>Cacajao ayresi</i> | II | Boubli <i>et al.</i> (2008) | New species Not adopted at CoP15 |
| <i>Cacajao hosomi</i> | II | Boubli <i>et al.</i> (2008) | New species Not adopted at CoP15 |
| <i>Callicebus aureipalatii</i> | II | Wallace <i>et al.</i> (2006) | New species |

| Species name | CITES Appendix | References | Comments on origin: lumping, splitting, new name, new genus |
|---------------------------------|----------------|---|--|
| | | | Not adopted at CoP15 |
| <i>Callicebus caquetensis</i> | II | Defler <i>et al.</i> (2010) | New species |
| <i>Cebus flavius</i> | II | Oliveira & Langguth (2006) | Revalidated species Not adopted at CoP15 |
| CERCOPITHECIDAE | | | |
| <i>Macaca munzala</i> | II | Sinha <i>et al.</i> (2005) | New species Not adopted at CoP15 |
| <i>Presbytis bicolor</i> | II | Meyer <i>et al.</i> (2011) | Split from <i>P. melalophos</i> |
| <i>Presbytis fredericae</i> | II | Meyer <i>et al.</i> (2011) | Split from <i>P. comata</i> |
| <i>Presbytis mitrata</i> | II | Meyer <i>et al.</i> (2011) | Split from <i>P. melalophos</i> |
| <i>Presbytis siberu</i> | II | Meyer <i>et al.</i> (2011) | Split from <i>P. potenziani</i> |
| <i>Presbytis sumatrana</i> | II | Meyer <i>et al.</i> (2011) | Split from <i>P. melalophos</i> |
| <i>Rhinopithecus strykeri</i> | I | Geismann <i>et al.</i> (2011) | New species |
| <i>Rungwecebus kipunji</i> | II | 1) Jones <i>et al.</i> (2005) 2) Davenport <i>et al.</i> (2006) 3) Roberts <i>et al.</i> (2009) | 1) new species & 2) generic change from <i>Lophocebus</i> Not adopted at CoP15 3) verification of distinctness of genus |
| <i>Trachypithecus villosus</i> | II | Brandon-Jones <i>et al.</i> (2004) | Replacement name for <i>T. cristatus</i> Not adopted at CoP15 |
| CHEIROGALEIDAE | | | |
| <i>Microcebus bongolavensis</i> | I | Olivieri <i>et al.</i> (2007) but see Markolf <i>et al.</i> (2011) | New species Not adopted at CoP15 |
| <i>Microcebus danfossi</i> | I | Olivieri <i>et al.</i> (2007) but see Markolf <i>et al.</i> (2011) | New species Not adopted at CoP15 |
| <i>Microcebus lehilahytsara</i> | I | Kappeler <i>et al.</i> (2005) but see Markolf <i>et al.</i> (2011) | New species Not adopted at CoP15 |
| <i>Microcebus lokobensis</i> | I | Olivieri <i>et al.</i> (2007) but see Markolf <i>et al.</i> (2011) | New species Not adopted at CoP15 |
| <i>Microcebus macarthurii</i> | I | Radespiel <i>et al.</i> (2008) but see Markolf <i>et al.</i> (2011) | New species Not adopted at CoP15 |
| <i>Microcebus mampiratra</i> | I | Andriantompohavana <i>et al.</i> (2006) but see Markolf <i>et al.</i> (2011) | New species (but see Weisrock <i>et al.</i> , 2010) Not adopted at CoP15 |
| <i>Mirza zaza</i> | I | Kappeler <i>et al.</i> (2005) but see Markolf <i>et al.</i> (2011) | New species Not adopted at CoP15 |
| HYLOBATIDAE | | | |
| <i>Nomascus annamensis</i> | I | Van Ngoc Thinh <i>et al.</i> (2010) | New species |

| Species name | CITES Appendix | References | Comments on origin: lumping, splitting, new name, new genus |
|---------------------------------|----------------|--|---|
| INDRIDAE | | | |
| <i>Avahi betsileo</i> | I | Andriantompohavana <i>et al.</i> (2007) but see Markolf <i>et al.</i> (2011) | New species Not adopted at CoP15 |
| <i>Avahi cleesei</i> | I | Thalmann & Geissmann (2005) but see Markolf <i>et al.</i> (2011) | New species Not adopted at CoP15 |
| <i>Avahi meridionalis</i> | I | Zaramody <i>et al.</i> (2006) but see Markolf <i>et al.</i> (2011) | New species Not adopted at CoP15 |
| <i>Avahi mooreorum</i> | I | Andriantompohavana <i>et al.</i> (2007) but see Markolf <i>et al.</i> (2011) | New species Not adopted at CoP15 |
| <i>Avahi peyrierasi</i> | I | Zaramody <i>et al.</i> (2006) but see Markolf <i>et al.</i> (2011) | New species Not adopted at CoP15 |
| <i>Avahi ramanantsoavani</i> | I | Zaramody <i>et al.</i> (2006) but see Markolf <i>et al.</i> (2011) | New species Not adopted at CoP15 |
| LEPILEMURIDAE | | | |
| <i>Lepilemur aeeclis</i> | I | Andriaholirina <i>et al.</i> (2006) but see Markolf <i>et al.</i> (2011) | New species Not adopted at CoP15 |
| <i>Lepilemur hollandorum</i> | I | Ramaromilanto <i>et al.</i> (2009) but see Markolf <i>et al.</i> (2011) | New species |
| <i>Lepilemur manasamody</i> | I | Craul <i>et al.</i> (2007) but see Markolf <i>et al.</i> (2011) | New species Not adopted at CoP15 |
| <i>Lepilemur mittermeieri</i> | I | Rabarivola <i>et al.</i> (2006) but see Markolf <i>et al.</i> (2011) | New species Not adopted at CoP15 |
| <i>Lepilemur otto</i> | I | Craul <i>et al.</i> (2007) but see Markolf <i>et al.</i> (2011) | New species Not adopted at CoP15 |
| <i>Lepilemur randrianasoloi</i> | I | Andriaholirina <i>et al.</i> (2006) but see Markolf <i>et al.</i> (2011) | New species Not adopted at CoP15 |
| <i>Lepilemur sahamalazensis</i> | I | Andriaholirina <i>et al.</i> (2006) but see Markolf <i>et al.</i> (2011) | New species Not adopted at CoP15 |
| <i>Lepilemur scottorum</i> | I | Lei <i>et al.</i> (2008) but see Markolf <i>et al.</i> (2011) | New species Not adopted at CoP15 |
| TARSIIDAE | | | |
| <i>Tarsius tumpara</i> | II | Shekelle <i>et al.</i> (2008) | New species |
| AVES | | | |
| APODIFORMES | | | |
| TROCHILIDAE | | | |

| Species name | CITES Appendix | References | Comments on origin: lumping, splitting, new name, new genus |
|---|-------------------|---|--|
| <i>Chlorostilbon lucidus</i> | II | Pacheco & Whitney (2006), Remsen <i>et al.</i> (2011) | Name has priority over <i>C. aureoventris</i> |
| <i>Phaethornis aethopyga</i> | II | Piacentini <i>et al.</i> (2009), Remsen <i>et al.</i> (2011) | Split from <i>P. longuemareus</i> |
| <i>Thalurania nigricapilla</i> | II | Valdés-Velásquez & Schuchmann (2009) | New species |
| FALCONIFORMES | | | |
| ACCIPITRIDAE | | | |
| <i>Buteo socotraensis</i> | II | Porter & Kirwan (2010) | New species |
| PSITTACIFORMES | | | |
| PSITTACIDAE | | | |
| <i>Aratinga maculata</i> | II | Nemésio & Rasmussen (2009), Remsen <i>et al.</i> (2011) | Name has priority over <i>A. pintoii</i> |
| <i>Forpus modestus</i> | II | Pacheco & Whitney (2006), Remsen <i>et al.</i> (2011) | Name has priority over <i>F. sclateri</i> |
| <i>Pyrhura griseipectus</i> | II | Olmos <i>et al.</i> (2005), Ribas <i>et al.</i> (2006), Remsen <i>et al.</i> (2011) | Split from <i>P. leucotis</i> |
| REPTILIA | | | |
| RHYNCHOCEPHALIA | | | |
| <i>Sphenodon guntheri</i> | I | Hay <i>et al.</i> (2010) Uetz (2011) | Lumped with <i>S. punctatus</i> |
| CROCODYLIA | | | |
| CROCODYLIDAE | | | |
| <i>Crocodylus johnstoni</i> | II | Tucker (2010) but not Uetz (2011) | Change in spelling of listed <i>Crocodylus johnsoni</i> |
| <i>Crocodylus suchus</i> | I/II | Hekkala <i>et al.</i> (2011) Uetz (2011) | Split from <i>Crocodylus niloticus</i> |
| SAURIA | | | |
| AGAMIDAE | | | |
| <i>Saara asmusi</i> , <i>S. hardwickii</i> , <i>S. loricata</i> | II | Wilms <i>et al.</i> (2009) but not Uetz (2011) | Transferred from <i>Uromastyx</i> |
| <i>Uromastyx leptieni</i> | II | Wilms <i>et al.</i> (2009), Uetz (2011) | Lumped with <i>Uromastyx aegyptia</i> |
| <i>Uromastyx nigriventris</i> | II | Wilms <i>et al.</i> (2009), Uetz (2011) | Split from <i>U. acanthinura</i> |
| <i>Uromastyx shobraki</i> | II | Wilms <i>et al.</i> (2009), Uetz (2011) | Split from <i>U. yemenensis</i> |
| CHAMAELEONIDAE | | | |
| <i>Archaius tigris</i> | II | Townsend <i>et al.</i> (2010) but not Uetz (2011) | Transferred from <i>Calumma</i> |
| <i>Bradypodion kentanicum</i> , <i>B. melanocephalum</i> | II | Tolley <i>et al.</i> (2004), Uetz (2011) | Split from <i>B. pumilum</i> |

| Species name | CITES Appendix | References | Comments on origin: lumping, splitting, new name, new genus |
|--|----------------|---|---|
| <i>Bradypodion ngomeense</i> | II | Tilbury & Tolley (2009a), Uetz (2011) | New species |
| <i>Bradypodion nkandlae</i> | II | Tilbury & Tolley (2009a), Uetz (2011) | Lumped with <i>B. nemorale</i> |
| <i>Bradypodion occidentale</i> , <i>B. taeniabroncchum</i> | II | Tolley <i>et al.</i> (2004), Uetz (2011) | Split from <i>B. pumilum</i> |
| <i>Brookesia peyrierasi</i> , <i>B. tuberculata</i> | II | Glaw <i>et al.</i> (1999), Uetz (2011) | Split from <i>B. minima</i> |
| <i>Brookesia ramanantsoai</i> | II | Glaw & Vences (2007), Townsend <i>et al.</i> (2009) but not Uetz (2011) | Resurrected from <i>B. dentata</i> |
| <i>Calumma tarzan</i> | II | Gehring <i>et al.</i> (2010), Uetz (2011) | Split from <i>C. furcifer</i> |
| <i>Calumma vohibola</i> | II | Gehring <i>et al.</i> (2011), Uetz (2011) | New species of <i>C. nasutum</i> group |
| <i>Furcifer timoni</i> | II | Glaw <i>et al.</i> (2009b), Uetz (2011) | New species |
| <i>Kinyongia asheorum</i> | II | Necas <i>et al.</i> (2009), Uetz (2011) | New species |
| <i>Kinyongia magomberae</i> | II | Menegon <i>et al.</i> (2009), Uetz (2011) | New species |
| <i>Kinyongia uluguruensis</i> | II | Uetz (2011) | Correct spelling from <i>K. uluguruense</i> (adopted at CoP15) |
| <i>Kinyongia vanheygeni</i> | II | Necas (2009), Uetz (2011) | New species |
| <i>Nadzikambia baylissi</i> | II | Branch & Tolley (2010) | New species |
| <i>Nadzikambia mlanjensis</i> | II | Uetz (2011) | Correct spelling from <i>N. mlanjense</i> (adopted at CoP15) |
| <i>Trioceros spp.</i> | II | Tilbury & Tolley (2009b), Uetz (2011) | Transferred from <i>Chamaeleo</i> (including <i>C. affinis</i> , <i>C. balebicornutus</i> , <i>C. bitaeniatus</i> , <i>C. camerunensis</i> , <i>C. chapini</i> , <i>C. conirostratus</i> , <i>C. cristatus</i> , <i>C. deremensis</i> , <i>C. eisentrauti</i> , <i>C. ellioti</i> , <i>C. feae</i> , <i>C. fuelleborni</i> , <i>C. goetzei</i> , <i>C. harennae</i> , <i>C. hoehnelii</i> , <i>C. incornutus</i> , <i>C. ituriensis</i> , <i>C. jacksonii</i> , <i>C. johnstoni</i> , <i>C. kinetensis</i> , <i>C. laterispinis</i> , <i>C. marsabitensis</i> , <i>C. melleri</i> , <i>C. montium</i> , <i>C. narraioaca</i> , <i>C. ntunte</i> , <i>C. oweni</i> , <i>C. pfefferi</i> , <i>C. quadricornis</i> , <i>C. rudis</i> , <i>C. schoutedeni</i> , <i>C. schubotzi</i> , <i>C. tempeli</i> , <i>C. wernerii</i> , <i>C. widdersheimi</i>) |
| <i>Trioceros hanangensis</i> | II | Krause & Böhme (2010), Uetz (2011) | New species |
| <i>Trioceros nyirit</i> | II | Stipala <i>et al.</i> (2011), Uetz (2011) | New species in the <i>Trioceros</i> (former <i>Chamaeleo</i>) <i>bitaeniatus</i> group |
| <i>Trioceros peretti</i> | II | Barej <i>et al.</i> (2010), Uetz (2011) | Transferred and split (former subspecies) from <i>Chamaeleo widdersheimi</i> |

| Species name | CITES Appendix | References | Comments on origin: lumping, splitting, new name, new genus |
|-----------------------------|----------------|--|---|
| <i>Trioceros serratus</i> | II | Barej <i>et al.</i> (2010), Uetz (2011) | Transferred and split from <i>Chamaeleo wiedersheimi</i> |
| <i>Trioceros sternfeldi</i> | II | Tilbury & Tolley (2009b) Uetz (2011) | Transferred and split from <i>Chamaeleo rudis</i> |
| GEKKONIDAE | | | |
| <i>Phelsuma borai</i> | II | Glaw <i>et al.</i> (2009a), Uetz (2011) | New species |
| <i>Phelsuma dorsivitta</i> | II | Rocha <i>et al.</i> (2010) but not Uetz (2011) | Split from <i>P. lineata</i> |
| <i>Phelsuma gouldi</i> | II | Crottini <i>et al.</i> (2011), Uetz (2011) | New species of the <i>P. mutabilis</i> group |
| <i>Phelsuma hoeschi</i> | II | Berghof & Trautmann (2009), Uetz (2011) | New species |
| <i>Phelsuma parva</i> | II | Rocha <i>et al.</i> (2010), but not Uetz (2011) | Split from <i>P. quadriocellata</i> |
| <i>Phelsuma roesleri</i> | II | Glaw <i>et al.</i> (2010), Uetz (2011) | New species |
| <i>Uroplatus finiaavana</i> | II | Ratsoavina <i>et al.</i> (2011), Uetz (2011) | New species of the <i>P. ebenau</i> group |
| IGUANIDAE | | | |
| <i>Conolophus marthae</i> | II | Gentile & Snell (2009), Uetz (2011) | New species |
| VARANIDAE | | | |
| <i>Varanus bitatawa</i> | II | Welton <i>et al.</i> (2010), Koch, Auliya & Ziegler (2010), Uetz (2011) | New species |
| <i>Varanus liruensis</i> | II | Koch <i>et al.</i> (2009), Koch, Auliya & Ziegler (2010) Uetz (2011) | New species |
| <i>Varanus obor</i> | II | Weijola & Sweet (2010), Koch, Auliya & Ziegler (2010) Uetz (2011) | New species |
| <i>Varanus palawanensis</i> | II | Koch <i>et al.</i> (2010), Koch, Auliya & Ziegler (2010), Uetz (2011) | New species |
| <i>Varanus rasmusseni</i> | II | Koch <i>et al.</i> (2010), Koch, Auliya & Ziegler (2010), Uetz (2011) | New species |
| SERPENTES | | | |
| BOIDAE | | | |
| <i>Candoia paulsoni</i> | II | Smith <i>et al.</i> (2001), Uetz (2011) | Split from <i>C. carinata</i> |
| <i>Candoia superciliosa</i> | II | Smith <i>et al.</i> (2001), Uetz (2011) | Split from <i>C. carinata</i> |
| <i>Corallus batesii</i> | II | Henderson <i>et al.</i> (2009), Uetz (2011) | Split from <i>C. caninus</i> |
| <i>Epicrates alvarezii</i> | II | Passos & Fernandes (2008), Uetz (2011) | Split from <i>E. cenchria</i> , former subspecies |
| <i>Epicrates assisi</i> | II | Passos & Fernandes (2008), Uetz (2011) | Split from <i>E. cenchria</i> , former subspecies |
| <i>Epicrates crassus</i> | II | Passos & Fernandes (2008), Uetz (2011) | Split from <i>E. cenchria</i> , former subspecies |
| <i>Eryx borrii</i> | II | Lanza & Nistri (2005), Uetz (2011) | New species |

| Species name | CITES Appendix | References | Comments on origin: lumping, splitting, new name, new genus |
|---|----------------|---|---|
| PYTHONIDAE | | | |
| <i>Broghammerus reticulatus</i> | II | Schleip & O'Shea (2010), Uetz (2011) | Transferred from <i>Python</i> |
| <i>Broghammerus timoriensis</i> | II | Schleip & O'Shea (2010), Uetz (2011) | Transferred from <i>Python</i> |
| <i>Leiopython bennettorum</i> | II | Schleip (2008), Schleip & O'Shea (2010) (but see Hoser (2009), Uetz (2011)) | Split from <i>L. albertisii</i> |
| <i>Leiopython biakensis</i> | II | Schleip (2008), Schleip & O'Shea (2010) (but see Hoser (2009), Uetz (2011)) | New species |
| <i>Leiopython fredparkeri</i> | II | Schleip (2008) (but see Hoser (2009), Uetz (2011)) | New species |
| <i>Leiopython hoseerae</i> | II | Schleip (2008) (but see Hoser (2009), Uetz (2011)) | New species |
| <i>Leiopython huonensis</i> | II | Schleip (2008) Schleip & O'Shea (2010) (but see Hoser (2009), Uetz (2011)) | New species |
| <i>Morelia azurea</i> | II | Schleip & O'Shea (2010) but not Uetz (2011) | Split from <i>M. viridis</i> |
| <i>Python bivittatus</i> | II | Jacobs <i>et al.</i> (2009), Schleip & O'Shea (2010), Uetz (2011) | Split from <i>P. molurus</i> |
| <i>Python kyaiktiyo</i> | II | Zug <i>et al.</i> (2011), Uetz (2011) | Split from <i>P. brongersmai</i> |
| TESTUDINES | | | |
| EMYDIDAE | | | |
| <i>Graptemys pearlensis</i> | III | Ennen <i>et al.</i> (2010), Uetz (2011) | Split from <i>G. gibbonsi</i> |
| TESTUDINIDAE | | | |
| <i>Gopherus morafkai</i> | II | Murphy <i>et al.</i> (2011), Uetz (2011) | |
| <i>Testudo armeniaca</i> , <i>T. perses</i> | II | Turkozan <i>et al.</i> (2010) but not Uetz (2011) | Split from <i>T. graeca</i> |
| TRIONYCHIDAE | | | |
| <i>Lissemys ceylonensis</i> | II | Praschag <i>et al.</i> (2011) | Split from <i>L. punctata</i> |
| AMPHIBIA | | | |
| ANURA | | | |
| AROMOBATIDAE | | | |
| | II | Grant <i>et al.</i> (2006), Frost (2011) | New family (various genera incl. <i>Allobates</i>) |
| <i>Allobates femoralis</i> | II | Grant <i>et al.</i> (2006), Frost (2011) | Transferred from Dendrobatidae |
| <i>Allobates hodli</i> | II | Simões <i>et al.</i> (2010), Frost (2011) | New species in <i>A. femoralis</i> complex |
| <i>Allobates myersi</i> , <i>A. rufulus</i> | II | Grant <i>et al.</i> (2006), Frost (2011) | Transferred from <i>Epipedobates</i> |
| <i>Allobates zaparo</i> | II | Grant <i>et al.</i> (2006), Frost (2011) | Transferred from <i>Dendrobatidae</i> |
| BUFONIDAE | | | |
| <i>Altiphrynoides osgoodi</i> | I | Grant <i>et al.</i> (2006), Frost (2011) | Transferred from <i>Spinophrynoides</i> |

| Species name | CITES Appendix | References | Comments on origin: lumping, splitting, new name, new genus |
|------------------------------------|----------------|---|--|
| <i>Amietophrynus superciliaris</i> | I | Grant <i>et al.</i> (2006), Frost (2011) | Not adopted at CoP15 Transferred from <i>Bufo</i> Not adopted at CoP15 |
| <i>Incilius periglenes</i> | I | Grant <i>et al.</i> (2006), Frost (2011) | Transferred from <i>Bufo</i> Not adopted at CoP15 |
| DENDROBATIDAE | | | |
| <i>Adelphobates</i> spp. | II | Grant <i>et al.</i> (2006), Frost (2011) | Transferred from <i>Dendrobates</i> (incl. <i>A. castaneoticus</i> , <i>A. galactonotus</i> , <i>A. quinquevittatus</i>) Not adopted at CoP15 |
| <i>Ameerega</i> spp. | II | Grant <i>et al.</i> (2006), Frost (2011) | Transferred from <i>Epipedobates</i> (incl. <i>A. andina</i> , <i>A. bassleri</i> , <i>A. bilinguis</i> , <i>A. boehmei</i> , <i>A. boliviana</i> , <i>A. braccata</i> , <i>A. cainarachi</i> , <i>A. erythromos</i> , <i>A. flavopicta</i> , <i>A. hahneli</i> , <i>A. ingeri</i> , <i>A. labialis</i> , <i>A. macero</i> , <i>A. maculata</i> , <i>A. parvula</i> , <i>A. petersi</i> , <i>A. picta</i> , <i>A. peruviridis</i> , <i>A. planipaleae</i> , <i>A. pongoensis</i> , <i>A. pulchripecta</i> , <i>A. rubriventris</i> , <i>A. silverstonei</i> , <i>A. simulans</i> , <i>A. smaragdina</i> , <i>A. trivittata</i> , <i>A. yungicola</i>) Not adopted at CoP15 |
| <i>Ameerega altamazonica</i> | II | Twomey & Brown (2008a), Frost (2011) | New species Not adopted at CoP15 |
| <i>Ameerega ignipedis</i> | II | Brown & Twomey (2009), Frost (2011) | New species |
| <i>Ameerega pepperi</i> | II | Brown & Twomey (2009), Frost (2011) | New species |
| <i>Ameerega peruviridis</i> | II | Bauer (1986), Frost (2011) | New species Not adopted at CoP15 |
| <i>Ameerega yoshina</i> | II | Brown & Twomey (2009), Frost (2011) | New species |
| <i>Andinobates</i> spp. | II | Brown <i>et al.</i> (2011) | Transferred from <i>Ranitomeya</i> (incl. <i>A. abditus</i> , <i>A. altobueyensis</i> , <i>A. bombetes</i> , <i>A. claudiae</i> , <i>A. daleswansonii</i> , <i>A. dorisswansonae</i> , <i>A. fulguritus</i> , <i>A. minutus</i> , <i>A. opisthomelas</i> , <i>A. viridis</i> , <i>A. virolensis</i>) |
| <i>Dendrobates azureus</i> | II | Grant <i>et al.</i> (2006), Frost (2011) | Lumped with <i>D. tinctorius</i> |
| <i>Epipedobates machalilla</i> | ? | Coloma (1995), Grant <i>et al.</i> (2006), Frost (2011) | Described in 1995 in <i>Colostethus</i> (a genus not covered by CITES controls) but transferred to <i>Epipedobates</i> in 2006 |

| Species name | CITES Appendix | References | Comments on origin: lumping, splitting, new name, new genus |
|--------------------------------|----------------|--|---|
| <i>Excidobates</i> spp. | II | Twomey & Brown (2008b), Frost (2011) | Transferred from <i>Dendrobates</i> (<i>E. captivus</i> , <i>E. mysteriosus</i>) Not adopted at CoP15 |
| <i>Hyloxalus azureiventris</i> | II | Grant <i>et al.</i> (2006), Frost (2011) | Transferred from <i>Cryptophyllobates</i> Not adopted at CoP15 |
| <i>Minyobates steyermarki</i> | II | Grant <i>et al.</i> (2006), Frost (2011) | Transferred from <i>Dendrobates</i> Not adopted at CoP15 |
| <i>Oophaga</i> spp. | II | Grant <i>et al.</i> (2006), Frost (2011) | Transferred from <i>Dendrobates</i> (incl. <i>O. arborea</i> , <i>O. granulifera</i> , <i>O. histrionica</i> , <i>O. lehmanni</i> , <i>O. occultator</i> , <i>O. pumilio</i> , <i>O. speciosa</i> , <i>O. vicentei</i>) Not adopted at CoP15 |
| <i>Oophaga sylvatica</i> | II | Grant <i>et al.</i> (2006), Frost (2011) | Transferred from <i>Dendrobates</i> and split from <i>D. histrionicus</i> Not adopted at CoP15 |
| <i>Ranitomeya</i> spp. | II | Grant <i>et al.</i> (2006), Frost (2011) | Transferred from <i>Dendrobates</i> (incl. <i>R. abdita</i> , <i>R. altobueyensis</i> , <i>R. amazonica</i> , <i>R. biolat</i> , <i>R. bombetes</i> , <i>R. claudiae</i> , <i>R. dalesswansonii</i> , <i>R. dorisswansonae</i> , <i>R. duellmani</i> , <i>R. fantastica</i> , <i>R. flavovittata</i> , <i>R. fulgurita</i> , <i>R. imitator</i> , <i>R. lamasi</i> , <i>R. minuta</i> , <i>R. opisthomelas</i> , <i>R. reticulata</i> , <i>R. rubrocephala</i> , <i>R. uakarii</i> , <i>R. vanzolinii</i> , <i>R. variabilis</i> , <i>R. ventrimaculata</i> , <i>R. viridis</i>) Not adopted at CoP15 |
| <i>Ranitomeya benedicta</i> | II | Brown <i>et al.</i> (2008), Frost (2011), Brown <i>et al.</i> (2011) | New species Not adopted at CoP15 |
| <i>Ranitomeya cyanovittata</i> | II | Perez-Peña <i>et al.</i> (2010) | New species |
| <i>Ranitomeya defleri</i> | II | Twomey & Brown (2009), Frost (2011), Brown <i>et al.</i> (2011) | New species |
| <i>Ranitomeya duellmani</i> | II | Brown <i>et al.</i> (2011) | Lumped with <i>R. ventrimaculata</i> |
| <i>Ranitomeya ignea</i> | II | Grant <i>et al.</i> (2006), Frost (2011) | Transferred from <i>Dendrobates</i> and split from <i>D. tinctorius</i> Not adopted at CoP15 |
| | II | Brown <i>et al.</i> (2011) | Lumped with <i>R. reticulata</i> |
| <i>Ranitomeya intermedia</i> | II | Grant <i>et al.</i> (2006), Frost (2011) | Transferred from <i>Dendrobates</i> and split from <i>D. imitator</i> Not adopted at CoP15 |

| Species name | CITES Appendix | References | Comments on origin: lumping, splitting, new name, new genus |
|--------------------------------|----------------|---|---|
| | II | Brown <i>et al.</i> (2011) | Lumped back with <i>R. imitator</i> |
| <i>Ranitomeya lamasi</i> | II | Brown <i>et al.</i> (2011) | Lumped with <i>R. sirensis</i> |
| <i>Ranitomeya sirensis</i> | II | Grant <i>et al.</i> (2006) Frost (2011), Brown <i>et al.</i> (2011) | Transferred from <i>Dendrobates</i> and split from <i>D. imitator</i> Not adopted at CoP15 |
| <i>Ranitomeya summersi</i> | II | Brown <i>et al.</i> (2008), Frost (2011), Brown <i>et al.</i> (2011) | New species Not adopted at CoP15 |
| <i>Ranitomeya tolimensis</i> | II | Bernal-Bautista <i>et al.</i> (2007), Frost (2011) but not Brown <i>et al.</i> (2011) (see <i>Andinobates</i> spp.) | New species Not adopted at CoP15 |
| <i>Ranitomeya toraro</i> | II | Brown <i>et al.</i> (2011) | New species |
| <i>Ranitomeya virolinensis</i> | II | Grant <i>et al.</i> (2006), Frost (2011) but not Brown <i>et al.</i> (2011) (see <i>Andinobates</i> spp.) | Transferred from <i>Dendrobates</i> (and spelling corrected) Not adopted at CoP15 |
| <i>Ranitomeya yavaricola</i> | II | Perez-Peña <i>et al.</i> (2010), Frost (2011), Brown <i>et al.</i> (2011) | New species |
| DICROGLOSSIDAE | | Frost (2011) | New family (incl. <i>Euphlyctis</i> and <i>Hoplobatrachus</i>) |
| MYOBATRACHIDAE | | Frost (2011) | New family (incl. <i>Rheobatrachus</i>) |

ACTINOPTERYGII
SYNGNATHIFORMES
SYNGNATHIDAE

| | | | |
|------------------------------|----|--|-------------|
| <i>Hippocampus paradoxus</i> | II | Foster & Gomon (2010) | New species |
| <i>Hippocampus pontohi</i> | II | Lourie & Kuitert (2008) Froese & Pauly (2010) | New species |
| <i>Hippocampus satomiae</i> | II | Lourie & Kuitert (2008) Froese & Pauly (2010) | New species |
| <i>Hippocampus severnsi</i> | II | Lourie & Kuitert (2008) Froese & Pauly (2010) | New species |
| <i>Hippocampus tyro</i> | II | Randall & Lourie (2009) Froese & Pauly (2010) | New species |

ARTHROPODA
ARACHNIDA

| Species name | CITES Appendix | References | Comments on origin: lumping, splitting, new name, new genus |
|--|----------------|---|---|
| ARANEAE | | | |
| THERAPHOSIDAE | | | |
| <i>Brachypelma albiceps</i> | II | Locht <i>et al.</i> (2005) | Transferred from <i>Aphonopelma</i> |
| ANNELIDA | | | |
| HIRUDINOIDEA | | | |
| ARHYNCHOBDELLIDA | | | |
| HIRUDINIDAE | | | |
| <i>Hirudo orientalis</i> | II | Utevsky & Trontelj (2005) Utevsky <i>et al.</i> (2010) | New species, part of <i>H. medicinalis</i> complex |
| CNIDARIA | | | |
| ANTHOZOA | | | |
| ANTIPATHARIA | | | |
| ANTIPATHIDAE | | | |
| <i>Antipathes griggi</i> | II | Opresko (2009) | New name for Hawaiian population of <i>A. dichotoma</i> |
| <i>Pseudocirripathes mapia</i> | II | Bo <i>et al.</i> (2009) | New genus and species |
| CLADOPATHIDAE | | | |
| <i>Chrysopathes micracantha</i> , <i>C. oligocrada</i> | II | Opresko & de Laia Loiola (2008) | New species Accepted at AC24 but not discussed at CoP15 |
| SCHIZOPATHIDAE | | | |
| <i>Lillipathes ritamariae</i> | II | Opresko & Breedy (2010) | New species |
| SCLERACTINIA | | | |
| ACROPORIDAE | | | |
| <i>Acropora josephi</i> | II | George & Sukumaran (2007) | New species |
| <i>Acropora mannarensis</i> | II | George & Sukumaran (2007) | New species |
| <i>Acropora thomasi</i> | II | George & Sukumaran (2007) | New species |
| <i>Acropora valimunensis</i> | II | George & Sukumaran (2007) | New species |
| AGARICIIDAE | | | |

| Species name | CITES Appendix | References | Comments on origin: lumping, splitting, new name, new genus |
|---|-------------------|-------------------------------|--|
| <i>Leptoseris kalayaanensis</i> | II | Licuanan & Alino (2009) | New species |
| CARYOPHYLLIIDAE | | | |
| <i>Caryophyllia aspera</i> | II | Kitahara <i>et al.</i> (2010) | New species |
| <i>Caryophyllia concreta</i> | II | Kitahara <i>et al.</i> (2010) | New species |
| <i>Caryophyllia laevigata</i> | II | Kitahara <i>et al.</i> (2010) | New species |
| <i>Caryophyllia oblonga</i> | II | Kitahara <i>et al.</i> (2010) | New species |
| <i>Caryophyllia tangaroae</i> | II | Kitahara <i>et al.</i> (2010) | New species |
| <i>Caryophyllia versicolorata</i> | II | Kitahara <i>et al.</i> (2010) | New species |
| <i>Crispatotrochus septumdentatus</i> | II | Kitahara & Cairns (2008) | New species |
| <i>Deltocyathus inusitatus</i> | II | Kitahara & Cairns (2009) | New species |
| <i>Heterocyathus antoniae</i> | II | Reyes <i>et al.</i> (2009) | New species |
| <i>Monohedotrochus circularis</i> , <i>M. epithecatus</i> | II | Kitahara & Cairns (2005) | Transferred from <i>Oxysmilia</i> Not previously discussed |
| <i>Stephanocyathus isabellae</i> | II | Reyes <i>et al.</i> (2009) | New species |
| FUNGIIDAE | | | |
| <i>Podabacia kunzmanni</i> | II | Hoeksema (2009) | New species |
| POCILLOPORIDAE | | | |
| <i>Madracis fragilis</i> | II | Neves & Johnsson (2009) | New species |
| PORITIDAE | | | |
| <i>Machadoporites</i> | II | Nemésio (2005) | Replacement name for <i>Calathiscus</i> Claereboudt & Al-Amri, (2004), preoccupied by <i>Calathiscus</i> Sollas, 1883 (Porifera: Hexactinellida: Lychniscosida: Ventriculitidae). 1 species: <i>C. tantillus</i> . Accepted at AC24 but not discussed at CoP15 |
| <i>Porites hawaiiensis</i> | II | Forsman <i>et al.</i> (2010) | Split from <i>P. rus</i> |
| <i>Porites randalli</i> | II | Forsman & Birkeland (2009) | New species |
| SIDERASTREIDAE | | | |
| <i>Psammocora obtusangula</i> | II | Stefani <i>et al.</i> (2008) | Lumped with <i>P. contigua</i> |

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