Two proposed new articles, which are designed to ensure that panclade names in use for total clades will always be based on the names in use for the corresponding crown clades.

Article 10.7. A panclade name can only be the accepted name of the total clade to which it applies if the crown clade name upon which it is based is the accepted name of the corresponding crown clade, even if no other name has been established for that total clade (see also Art. 14.5).

Example 1. Suppose that: 1) the name *Pan-Lepidosauria* has been established for the total clade of the crown clade for which the name *Lepidosauria* has been established, and 2) a panclade name has not been established for the total clade of the crown clade for which the name *Reptilia* has been established, and 3) *Reptilia* has precedence over *Lepidosauria*. In the context of phylogenies in which the names *Reptilia* and *Lepidosauria* are synonyms, *Reptilia* would be the accepted name of the crown clade. Although the name *Pan-Lepidosauria* has been established and its definition indicates application to the corresponding total clade, it cannot be the accepted name of that total clade because the name on which it is based, *Lepidosauria*, is not the accepted name of the corresponding crown clade.

Article 14.5. In order to maintain the relationships between panclade names and the crown clade names upon which they are based, precedence among panclade names is based on precedence of the corresponding crown clade names. Thus, if two or more panclade are considered synonyms because the names of the crown clade upon which they are based are considered synonyms, the panclade name that has precedence is the one that is based on the crown clade name that has precedence, and that is the case even if one or more of the other panclade names were established earlier than the one based on the crown clade name that has precedence.

Example 1. Suppose that first the crown clade name *Reptilia* was established, then later the crown clade name *Lepidosauria* and the panclade name *Pan-Lepidosauria* were established simultaneously, then later still the panclade name *Pan-Reptilia* was established. In the context of phylogenies in which *Reptilia* and *Lepidosauria* are synonyms, *Reptilia* would be the accepted name of the crown clade, and *Pan-Reptilia* would be the accepted name of the corresponding total clade even though *Pan-Lepidosauria* was established before *Pan-Reptilia*.

These new articles would also require slight modifications of Art. 14.2 and 14.4 (in **bold**) to include reference to the new articles:

14.2. If there are two or more synonyms for a clade, the accepted name for that clade is the earliest acceptable one that applies to it, except in cases of conservation (Art. 15) or precedence of a panclade name (Arts. 14.4**, 14.5**).

14.4 If a panclade name (Art. 10.3) and a name that was not explicitly established as applying to a total clade are judged to be heterodefinitional synonyms (Art. 14.1), the panclade name has precedence even if it was published later **(except in cases covered by Art. 10.7)**.