**Documentation Requirements for Taxa Included on the IUCN Red List**

**Required fields**

The following is the proposed standard set of information that should accompany every assessment submitted for incorporation into the IUCN Red List of Threatened Species.

* Red List Category and Criteria (including subcriteria) met (IUCN 2001) in accordance with the Guidelines for Using the IUCN Red List Categories and Criteria maintained by the IUCN Standards and Petitions Subcommittee.
* A rationale for the listing (including inferences or uncertainty that relate to the interpretation of the data and information in relation to the criteria and their thresholds)
* Numeric data and parameter estimates underpinning the assessment, highlighted in yellow in Appendix 1.
* Countries of occurrence
* A GIS range map of species’ distribution, preferably in polygons, and points if possible\*\*
* Direction of current population trend (increasing, decreasing, stable or unknown)
* Coding for occurrence in freshwater, terrestrial and marine ecosystems
* Suitable habitats utilised
* Major threats (including coding for timing and nature of impact [type of stress] on species)
* General text about the population size and trends, geographic distribution, range size and trends, habitat and ecology, threats
* Bibliography (cited in full; including unpublished data sources but not personal communications)
* Consultation process, including names of contributor/s, assessor(s), 2 reviewers and RLA.

\*\*The Red List Technical Working Group (RLTWG) have recommended that a GIS map should be retained as a required field at present. However, please note that in late 2011 we will be holding a workshop to discuss mapping standards, the outcomes of which we will be sharing with you for consultation. This will include consideration of the need to produce a map (and how this might be accomplished) as part of the documentation requirements. This will be reviewed at the next RLTWG meeting (in late 2011 or early 2012) and other committees of SSC to allow the SSC Chair and Director of the Global Species Programme to make a final decision. This will also follow the implementation (and user experience) of new functionality on iucnredlist.org (planned for later in 2011) allowing spatial searching for species.

At this point we welcome arguments for, or against, including a map as part of the supporting documentation. However, we should emphasize that the primary purpose of this consultation is on the tabular fields.

**Required fields under specified conditions**

The following is the information that is required for assessments that fulfil a certain set of conditions. Assessments that do not fulfil the conditions are not required to provide the information:

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| **Required fields under specified conditions** | **Conditions** |
| Scientific name | Newly described or taxonomically revised taxa |
| Higher taxonomy details including Kingdom, Phylum, Class, Order and Family | Newly described or taxonomically revised taxa |
| Authorities for all specific and infra-specific names used in the Red List must be given following the appropriate nomenclatural rules. | Newly described or taxonomically revised taxa |
| Name of subpopulation | Subpopulation level assessment |
| Major Synonyms | Species with commonly used synonyms or that have been treated taxonomically differently in the past on the Red List |
| Growth forms | Plants |
| Information on the reason for change in Red List Category of the taxon | Reassessed taxa changing Red List Category |
| Occurrence in biogeographic realms | Terrestrial and freshwater taxa |
| Occurrence in FAO Marine Fisheries Areas | Marine taxa |
| Effective date of extinction, possible causes of the extinction, and the details of surveys which have been conducted to search for the taxon. | Extinct and Extinct in the Wild taxa or Critically Endangered taxa tagged as Possibly Extinct or Possibly Extinct in the Wild,  |
| Possibly Extinct or Possibly Extinct in the Wild tag  | Critically Endangered taxa that are likely to be Extinct  |
| Documentation of available data, sources of uncertainty and justification for why the criteria cannot be applied; including tagging where appropriate as Unknown Provenance and/or Uncertain Taxonomic Status (highlighted in blue in Table 1) | Data Deficient taxa |
| Coding as Severely Fragmented, or the number of locations should be specified (highlighted in blue in Table 1) | Taxa listed as threatened using criteria B1a or B2a |
| The time period (in years) over which past and future declines have been measured, and generation length (in years) if assessed over three generations (highlighted in blue in Table 1) | Taxa listed as threatened under criteria A and C1 |
| The data, assumptions, structural equations, and Population Viability Analysis model if used | Taxa listed under Criterion E  |
| Coding and justification of the criteria that are nearly met or the reasons for the classification (e.g., the taxon is dependent on ongoing conservation measures) | Taxa listed as Near Threatened |
| Additional supporting documentation detailed in Annex 3 of the IUCN Red List Categories and Criteria version 3.1 booklet (IUCN 2001). | If RAMAS® Red List software used for assessment  |

**Recommended fields**

These fields are recommended for all assessments (and it is proposed that they be mandatory for Red List Partner or Global Species Programme assessments, and strongly encouraged for other assessments), but are not required for publication on the Red List:

* Common names in English, French and Spanish
* Taxonomic notes
* Red List Criteria (including subcriteria) met at category levels below that at which the species is classified
* Occurrence in specified sub-country units for large countries and islands far from mainland countries
* Altitudinal or depth information
* Coding of which Suitable habitats are of Major importance, and coding of Marginal habitats utilised
* General text about the conservation measures in place or needed, and comments on the utilization of the taxon
* Conservation actions in place and needed
* Research needed
* Basic information on the utilization of the taxon

**For additional optional fields, see the current Documentation standards**

**Appendix 1. Required numeric parameter and parameter estimates (highlighted in yellow) when underpinning an assessment, and fields required when taxa listed under that particular criteria or subcriteria (highlighted in blue) meet the criteria thresholds. For example, the reasons for a past population reduction are only required if the taxon is to be listed under sub-criterion A1 or A2.**

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| **Data for criterion A: rate of population reduction** |
| **Generation length**  |   | **Time period used for criterion A** (tick () one box only) | 10 years |   |   |
| (please state the unit used). | 3 generations |   | Time period |   |   |
| **Criteria A1 and A2:****% population size reduction over the last 10 yrs or 3 generations:** |   | **Data quality:** | Observed |   |
| Estimated |   |
| Inferred |   |
| Suspected |   |
| **Are the causes of this reduction understood?** (tick () one box only) | Yes |  | **Have the causes of the reduction now ceased?** (tick () one box only) | Yes |  | **Is the reduction reversible?** i.e., is the population now showing signs of recovery? (tick () one box only) | Yes |  |
| No |  | No |  | No |  |
| Unknown |  | Unknown |  | Unknown |  |
| **Past population reduction rate based on** (select any combination)**:** | Direct observation |  |
| Index of abundance |  |
| Decline in area of occupancy, extent of occurrence, and/or habitat quality |  |
| Actual or potential levels of exploitation |  |
| Effects of introduced taxa, hybridization, pathogens, pollutants, competitors or parasites |  |
| **Criterion A3:** **% population size reduction over the next 10 yrs or 3 generations** (max. 100 years in future)**:** |   | **Data quality:** | Projected |   |
| Suspected |   |
| **Future population reduction rate based on** (select any combination)**:** | Index of abundance |  |
| Decline in area of occupancy, extent of occurrence, and/or habitat quality |  |
| Actual or potential levels of exploitation |  |
| Effects of introduced taxa, hybridization, pathogens, pollutants, competitors or parasites |  |
| **Criterion A4:**  |   | **Data quality:** | Observed |   |
| **% population size reduction over the longer time period of 10 yrs or 3 generations, where some time falls in the past and some is projected in to the future** (max. 100 yrs in future)**:** | Estimated |   |
| Inferred |   |
| Projected |   |
| Suspected |   |
| **Population reduction rate based on** (select any combination)**:** | Direct observation |  |
| Index of abundance |  |
| Decline in area of occupancy, extent of occurrence, and/or habitat quality |  |
| Actual or potential levels of exploitation |  |
| Effects of introduced taxa, hybridization, pathogens, pollutants, competitors or parasites |  |

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| **Data for criterion B: restricted range** |
| **Criterion B1: Extent of occurrence (EOO)** in km²: |   | **Criterion B2: Area of occupancy (AOO)** in km²: |   |
| **Is the population severely fragmented?** (tick () one box only) | Yes |  | If yes, justify this statement in the population text box (refer to habitat fragmentation AND the dispersal abilities of the taxon). | **Number of locations:** |  |
| No |  |
| Unknown |  |
| **Extent of occurrence** | **Continuing decline** | Observed |  |
| Inferred |  |
| Projected |  |
| **Extreme fluctuation** |  |
| **Area of occupancy** | **Continuing decline** | Observed |  |
| Inferred |  |
| Projected |  |
| **Extreme fluctuation** |  |
| **Area, extent and/or quality of habitat** | **Continuing decline** | Observed |  |
| Inferred |  |
| Projected |  |
| **Number of locations or subpopulations** | **Continuing decline** | Observed |  |
| Inferred |  |
| Projected |  |
| **Extreme fluctuation** |  |
| **Number of mature individuals** | **Continuing decline** | Observed |  |
| Inferred |  |
| Projected |  |
| **Extreme fluctuation** |  |

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| **Data for criterion C: small population size and continuing decline** |
| **Population size** |   |  |
| Number of mature individuals in the global population: |
| **Is there continuing decline in the population?** (tick one box only) | Yes |  | **Rate of continuing decline known?** (tick one box only) | Yes |  |
| No |  | No |  |
| Unknown |  | Unknown |  |
| **Estimated continuing decline % within 3 years or 1 generation** (whichever is the longer time period; max. 100 years in future)**:** |  |
| **Estimated continuing decline % within 5 years or 2 generation** (whichever is the longer time period; max. 100 years in future)**:** |  |
| **Estimated continuing decline % within 10 years or 3 generation** (whichever is the longer time period; max. 100 years in future)**:** |  |
| **Number of mature individuals in largest subpopulation:** |   | **% of mature individuals in largest subpopulation** |   |
| **Extreme fluctuations in number of mature individuals:** | Yes |   |
| No |   |
| Unknown |   |

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| **Data for criterion D: small population size or restricted range** |
| **Population size** |   |  |
| Number of mature individuals in the global population: |
| **Area of occupancy (AOO)** in km²: |   | **Number of locations**: |   | **Is there a plausible threat that could rapidly push the taxon towards extinction?** | Yes |  |
| No |  |
| Unknown |  |

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| **Data for criterion E: quantitative analysis** |
| **Has a quantitative analysis predicting probability of extinction been carried out?** (e.g. Population Viability Analysis) | Yes |   |
| No |   |
| Unknown |   |
| **Probability (%) of extinction within the next 10 years or 3 generations** (use the longer time period; max. 100 years in future) |   |
| **Probability (%) of extinction within the next 20 years or 5 generations** (use the longer time period; max. 100 years in future) |   |
| **Probability (%) of extinction within the next 100 years** |   |