Annex 7

CHAPTER 7.1.

**INTRODUCTION TO THE REC****OMMENDATIONS FOR ANIMAL WELFARE**

##### Article 7.1.1.

**General considerations**

[*Animal welfare*](#_bookmark17) means the physical and mental state of an [*animal*](#_bookmark5) in relation to the conditions in which it lives and dies.

An [*animal*](#_bookmark5) experiences good welfare if the [*animal*](#_bookmark5) is healthy, comfortable, well nourished, safe, is not suffering ~~severely or for a long time~~ from ~~avoidable~~ unpleasant states such as *pain*, fear and *distress*, and is able to express behaviours that are important for its physical and mental state. Good *animal welfare* is not only about avoiding negative experiences ~~to~~ for *animals*, but also providing them with opportunities to have positive experiences.

Good [*animal welfare*](#_bookmark17) requires disease prevention and appropriate veterinary care, shelter, management and nutrition, a positively stimulating, comfortable and safe environment, humane handling and humane [*slaughter*](#_bookmark151) or [*killing*](#_bookmark95). ~~Good animal welfare is not only about avoiding negative experiences to animals, but also providing them with positive experiences.~~ While [*animal welfare*](#_bookmark17) refers to the state of the [*animal*](#_bookmark5), the treatment that an [*animal*](#_bookmark5)receives is covered by other terms such as animal care, animal husbandry, and humane treatment.

##### Article 7.1.2.

**Guiding principles for animal welfare**

1) ~~That~~ ~~t~~There is a critical relationship between animal health and [*animal welfare*](#_bookmark17).

2) ~~That~~ While the ~~internationally recognised~~ “five freedoms” (freedom from hunger, thirst and malnutrition; freedom from fear and *distress*; freedom from physical and thermal discomfort; freedom from *pain*, injury and disease; and freedom to express normal patterns of behaviour) provide valuable guidance in [*animal welfare*](#_bookmark17)~~.~~, the ‘five domains’ (nutrition, environment, health, ~~behavioural interactions~~ behaviour, and mental state) support the systematic scientific assessment of *animal welfare*.

3) ~~That~~ ~~t~~The ~~internationally recognised~~ “three Rs” (reduction in numbers of [*animals*](#_bookmark5), refinement of experimental methods and replacement of [*animals*](#_bookmark5) with non-animal techniques) provide valuable guidance for the use of [*animals*](#_bookmark5)in ~~science~~ research and education.

4) ~~That~~ ~~t~~The scientific assessment of [*animal welfare*](#_bookmark17) involves diverse elements ~~which~~ that need to be considered together, and ~~that~~ selecting and ~~weighing~~ balancing these elements often involves value-based assumptions which should be made as explicit as possible.

5) ~~That~~ ~~t~~The use of [*animals*](#_bookmark5)in agriculture, education and research, and for companionship, recreation, work, ~~culture~~ cultural and entertainment purposes, makes a major contribution to the wellbeing of people.

6) ~~That~~ ~~t~~The use of [*animals*](#_bookmark5) carries with it an ethical responsibility to ~~ensure~~ optimise the welfare of such [*animals*](#_bookmark5) to the greatest extent practicable.

7) ~~That~~ I~~i~~mprovements in ~~farm~~ [*animal welfare*](#_bookmark17) in *animal* production systems can ~~often~~ improve productivity and food safety, and ~~hence~~ lead to economic benefits.

8) ~~That~~ ~~t~~The equivalent welfare outcomes based on performance criteria, rather than identical systems based on design criteria, ~~be~~ are the basis for comparison of [*animal welfare*](#_bookmark17) standards and recommendations.

Article 7.1.3.

**Scientific basis for recommendations**

~~1) Welfare is a broad term which includes the many elements that contribute to an~~ *~~anima~~*~~l's quality of life, including its physical and mental states those referred to in the “five freedoms” listed above.~~

1)~~2)~~ The systematic scientific assessment of [*animal welfare*](#_bookmark17) ~~has~~ ~~progressed rapidly in recent years and~~ form~~ed~~s the basis of the recommendations of the *Terrestrial Code* for animal welfare. Welfare assessment can be either at a point in time or over a period of time such as a lifetime. There is value in using both the ‘five freedoms’ and ‘five domains’ models. The ‘five domains’ model allows consideration ~~to be given to~~ of both the degree and cumulation of positive and negative experiences over the duration of the animal's life.

2)~~3)~~ Some measures of [*animal welfare*](#_bookmark17) involve assessing the degree of impaired functioning associated with injury, disease and malnutrition. Other measures provide information on [*animals*](#_bookmark5)' needs and positive or negative affective states ~~such as hunger, pain and fear~~, often by measuring the strength of [*animals*](#_bookmark5)' preferences, motivations and aversions. Others assess the physiological~~,~~ and behavioural ~~and immunological~~ changes or effects that [*animals*](#_bookmark5) show in response to various challenges.

3)~~4)~~ Such measures can lead to criteria and indicators that help to evaluate how different methods of managing [*animals*](#_bookmark5)influence their welfare.

##### Article 7.1.4.

**Guiding principles for the use of measures to assess animal welfare**

1) ~~the OIE~~ WOAH [*animal welfare*](#_bookmark17) standards ~~to be applicable globally, they should~~ emphasise the ~~favourable~~ consequences that any treatment~~s~~ ~~on~~ of *animals* may have on their welfare and ~~they should be applicable globally. outcomes for the~~ [*~~animals~~*](#_bookmark5)~~, although, in some circumstances, it~~ may include recommendations on  ~~be necessary to recommend~~ specific conditions of the [*animals*](#_bookmark5)' environment and management~~. Outcomes are generally measured by assessing the extent to which~~[*~~animals~~*](#_bookmark5) ~~experience the "five freedoms" described in Article~~ [~~7.1.2.~~](#_bookmark365)

2) For each principle listed in Article [7.1.5.](#_bookmark367), the most relevant criteria (or measur~~abl~~es), ideally comprising animal-based measures, defined as an evaluation of a response of an *animal* or as an effect on an *animal* used to assess its welfare, should be included in the standard. Any given animal-based measure ~~may~~ should be linked to one or more of these ~~than one~~ principles.

3) Recommendations should, whenever possible, define explicit targets or thresholds that should be met for animal-based measures. Such target values should be based on relevant science and experience of experts.

4) In addition to animal-based measures, ~~one may use~~ resource-based measures, defined as an evaluation of a feature of the environment in which the *animal* is kept or to which it is exposed and management-based measures, defined as an evaluation of what the *animal handler* does, and with which management processes or tools, may be used. ~~may be used and~~ The use of any of these three types of measures should be defined on the basis of science and expert experience showing that a welfare outcome is clearly linked to an *animal* as well as to a resource or ~~to~~ a management procedure.

5) ~~Users of the standard~~ ~~Members should select~~T~~t~~he most ~~appropriate animal-based~~ relevant measures from among those listed in the standards should be selected for ~~their~~ a given ~~farming~~ *animal* production system or environment~~, from among those listed in the standard~~. Welfare ~~O~~outcomes can be measured by an assessment of individuals or *animal* groups, or a representative sample of those, using data from [*establishments*](#_bookmark56), transport or [*slaughterhouses/abattoirs*](#_bookmark152). [*Competent Authorities*](#_bookmark40) should collect all data relevant ~~for the users~~ to set target and threshold values.

6) Whatever the basis of the measure, if welfare outcomes are unsatisfactory, ~~users~~ ~~Members~~ relevant ~~should consider what~~ changes to resources or management ~~are necessary~~ should be applied to improve the welfare outcomes.

##### Article 7.1.5.

**General principles for ~~the~~ animal welfare ~~of animals~~ in animal ~~livestock~~ production systems**

1) Genetic selection should always take into account the health and welfare of [*animals*](#_bookmark5).

2) [*Animals*](#_bookmark5) chosen for introduction into new environments should be suited to the local ~~climate~~ conditions, including their adaptability ~~and able to adapt~~ to local climate, diseases~~,~~ ~~parasites~~ and nutrition.

3) The physical environment, including the substrate (walking surface, resting surface, etc.), should be suited to the animal species and categories (such as type of production or life stage) so as to minimise risk of injury and ~~transmission of~~ disease~~s~~ ~~or parasitesto~~ [*~~animals~~*](#_bookmark5).

4) The physical environment should allow comfortable ~~resting,~~ and safe resting and ~~comfortable~~ movement including normal postural changes, and the opportunity to perform ~~types of~~ ~~natural~~ normal patterns of behaviours that [*animals*](#_bookmark5) are motivated to perform.

5) Social grouping of [*animals*](#_bookmark5) should be managed to ~~allow~~ promote positive social behaviour and minimise injury, *distress* and chronic fear.

6) For housed [*animals*](#_bookmark5), air quality, air flow, temperature and humidity should not be ~~aversive~~ detrimental and should support good animal health and welfare ~~and not be aversive~~. ~~Where and when extreme weather conditions occur,~~ [*~~a~~Animals*](#_bookmark5)should not be prevented from using their natural methods of thermo-regulation, especially where and when extreme weather conditions occur.

7) [*Animals*](#_bookmark5) should have access to sufficient [*feed*](#_bookmark60) and water, suited to the [*animals*](#_bookmark5)' age and needs, to maintain normal health, behaviour and performance ~~productivity~~ and to prevent severe or prolonged hunger and~~,~~ thirst, malnutrition and ~~or~~ dehydration.

8) Diseases ~~and parasites~~ should be prevented and controlled as much as possible through good management practices, preventative health measures and *biosecurity*. [*Animals*](#_bookmark5)with serious health problems should be isolated and treated promptly or killed humanely if treatment is not feasible or recovery is unlikely.

9) Alternatives to painful procedures should be used. Where painful procedures cannot be avoided, the ~~resulting~~ *pain* should be managed to the extent that available methods allow.

10) The handling of [*animals*](#_bookmark5) should foster a positive relationship between humans and [*animals*](#_bookmark5) and should not cause injury, panic, lasting fear or ~~avoidable stress~~ distress.

11) Owners and *animal handlers* should have sufficient ~~training,~~ skills and knowledge through appropriate training or experience to ensure that [*animals*](#_bookmark5) are treated in accordance with these principles.

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