



Aquaculture  
Stewardship  
Council



## ASC Responsible Feed Standard — Workshop on initial draft



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# Agenda

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**09:30 – 10:00 Coffee and Registration (!)**

**10:00 – 12:00 Workshop Session 1**

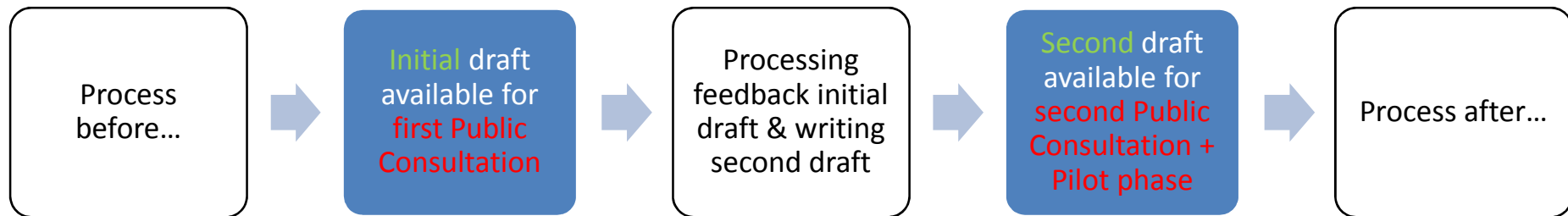
**12:00 – 12:45 Lunch**

**12:45 – 15:00 Workshop Session 2**

**15:00 - ... Coffee/tea & closing**

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## Context



- Standard currently in development > not yet finished (!)
- Collecting feedback:
  - ✓ Documents are on ASC-website (e-mail)
  - ✓ Workshops

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## Aim of this workshop

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### **Reaching out to key regions worldwide (Latin America and South East Asia/China) to:**

1. present the initial draft of the ASC Responsible Feed Standard to stakeholders (you)
2. ask and discuss your opinion on the content

### **We are looking for:**

- Constructive feedback (*your opinion*)
- Rationale behind your feedback (*reason behind your feedback*)
- Your proposed change if you don't agree with initial draft content (*your idea*)

This is the initial draft. There will be a second draft based on the comments we receive during this first public consultation round.

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# The Aquaculture Stewardship Council



- Independent, not-for-profit certification & labelling program (2010)
    - “Minimize impacts & work towards sustainability”
  - Aquaculture Dialogues (WWF)
  - 7 Farm Standards
  - Each farm standard: 7 or 8 Principles (environmental & social)
  - Metric-based performance Indicators:
    - ✓ Best Management Practices in industry
    - ✓ Setting measurable limits e.g. effluents etc.
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# The Aquaculture Stewardship Council



**171** certified farms

**22** countries

**94** in assessment



## ASC Market commitments



Rio 2016 Olympics commit to MSC, ASC –First in Seafood News – Intrafish.com

15/01/2014 09:31

# Rio 2016 Olympics commit to MSC, ASC

Only sustainably certified seafood served at 2016 Olympic Games in Brazil.



IntraFish Media

Published: 03.12.2013 15:26 Updated:  
03.12.2013 14:09

The Rio 2016 organizing committee for the Olympic and Paralympic Games signed an agreement to promote Marine Stewardship Council (MSC) and Aquaculture Stewardship Council (ASC) certified seafood at the 2016 Rio Games.

# ASC Market commitments - IKEA



## Food

We serve and sell food to 261 million customers a year through our store restaurants and Swedish Food Markets.

### Our approach includes:

- Using more sustainable ingredients, which includes purchasing ingredients that have been certified to recognised standards and applying animal welfare standards
- Reducing the carbon footprint of our food business
- Tackling food waste (page 22)
- Working with food suppliers to implement our IWAY standards (page 81).

### Coffee and tea

All coffee sold and served at IKEA has been UTZ Certified since 2008 - UTZ Certified is an independent organisation that recognises coffee, tea and chocolate that have been grown sustainably and is one of the leading sustainability standards for these commodities.

One out of our four chocolate tablets is UTZ certified. We aim for 100% UTZ Certified chocolate and tea by FY15. Packaging for UTZ Certified products includes a code that enables customers to trace the origins of a certified product back to the plantation on which it was grown.

### Salmon

Salmon is an important product for IKEA. In FY12, we continued to participate in the WWF Salmon Aquaculture Dialogue to support development of sustainability

standards for the farmed salmon industry, and the final standard has now been published by the [Aquaculture Stewardship Council](#) (ASC). Our goal is for all salmon products to come from ASC-certified sources by 2015. We are currently assessing our suppliers against the new standards.

### Animal welfare

We have worked with Compassion in World Farming (CIWF), an independent NGO, for many years to improve animal welfare standards. In FY12, we worked with CIWF to develop welfare standards for pigs and laying hens. During FY12, we also worked with the non-profit Global Animal Partnership to adapt standards developed for the US market for global use. However, this process is taking longer than we anticipated and is not currently a viable alternative to implementing our own welfare standards.

We approved our new global animal welfare policy in FY12. It sets out our commitment to the humane and respectful treatment of animals used in our food and other products. We are integrating the policy into our purchasing requirements. Currently it is a challenge to source some animal products in line with this policy. In these areas, we will continue to engage with suppliers and other stakeholders to improve standards so that all the animal products we buy meet the policy requirements.

RESOURCE AND ENERGY EFFICIENCY

*IKEA: "100% ASC certified salmon by 2015"*



## ASC Market commitments - AEON



*AEON: "Increase ASC labelled products to 6 species by 2016"*



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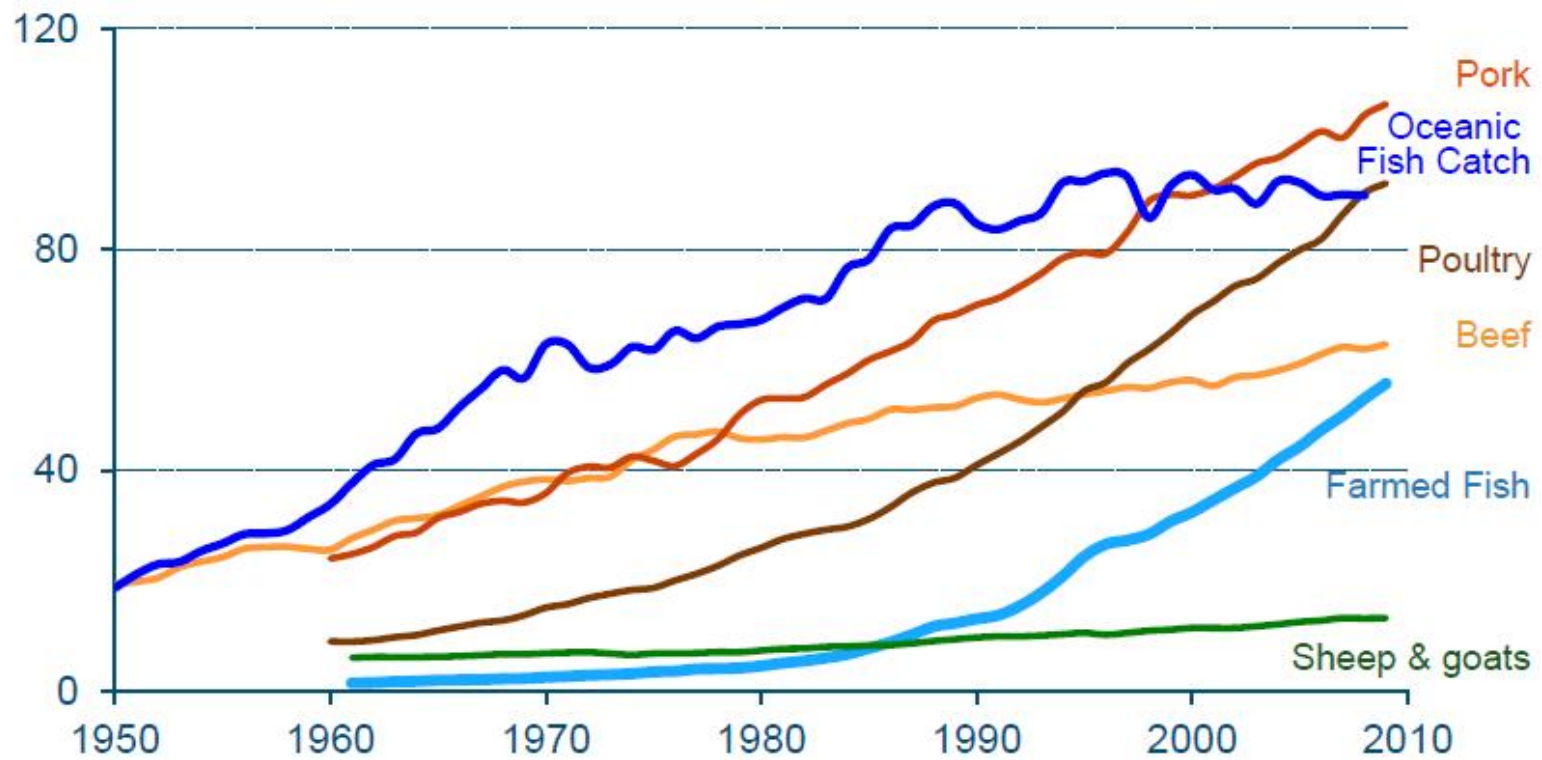


## Responsible Feed



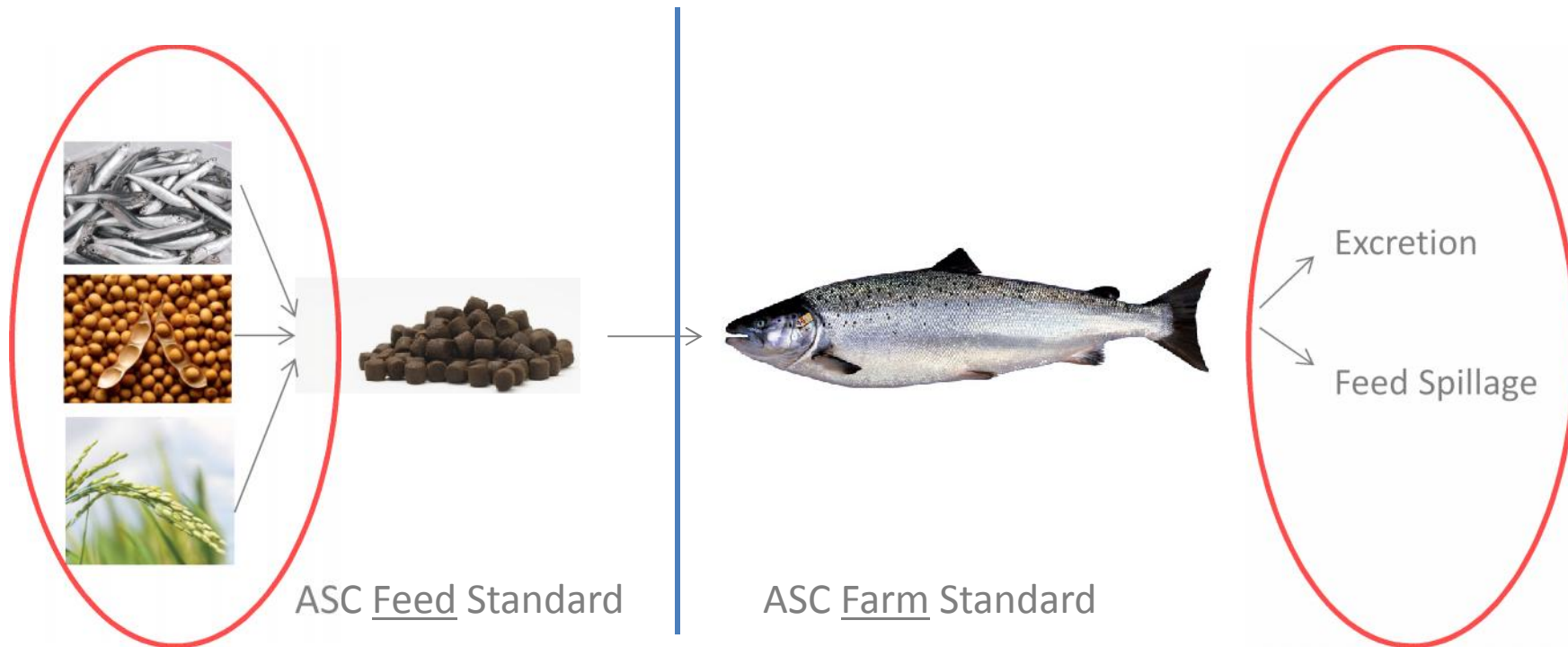


# Environmental impact of (aqua) feed

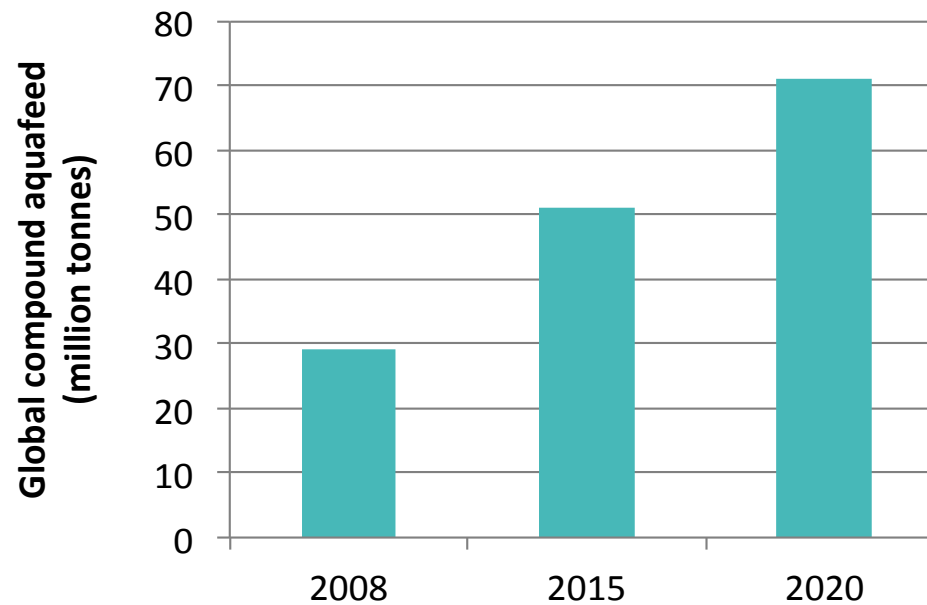


Source: Earth Policy Institute UN (FAO statistics), 2011

# Environmental impact of (aqua) feed



## Environmental impact of (aqua) feed



Source: FAO, 2011

### Ingredient origin:

- ✓ (Marine) fish: 10-12.5% of global ingredient volume (4-5 mT)
- ✓ Terrestrial animal: 10% of global ingredient volume (4 mT)
- ✓ Terrestrial plant: 75-80% of global ingredient volume (30-32 mT)



# Environmental impact of (aqua) feed



## Marine Ingredients

- Ecosystem damage:
  - Overfishing
  - By-catch
  - Habitat destruction
- FM/FO-factory pollution
- Social concerns (slave/bonded labour, fair wages)

## Terrestrial Plant Ingredients

- Ecosystem damage:
  - Deforestation & land clearing
  - Erosion & eutrophication
  - Water consumption
  - Fertilizer use
  - Herbicide/pesticide use
  - Salinization
- GMO/non-GMO
- Climate change
- Social concerns (slave/bonded labour, fair wages, displacement)

## Terrestrial Animal Ingredients

- Ecosystem damage:
  - Deforestation & land clearing
  - Erosion & eutrophication
  - Water consumption
  - Salinization
  - Eutrophication
- Climate change
- Feed production
- Diseases & antibiotic use
- Social concerns (slave/bonded labour, fair wages, displacement)



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## ASC Responsible Feed Standard



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## Feed Standard: Purpose

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The purpose of the ASC Responsible Feed Standard is to provide a means to significantly reduce the environmental and social impacts created by the production of ingredients used for aquaculture feed.

Furthermore, the standard also aims to provide an incentive and workable goals for ingredient producers that want to improve their production processes by referring to existing standards where possible.

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# Feed Standard: Governance



## Project governance:

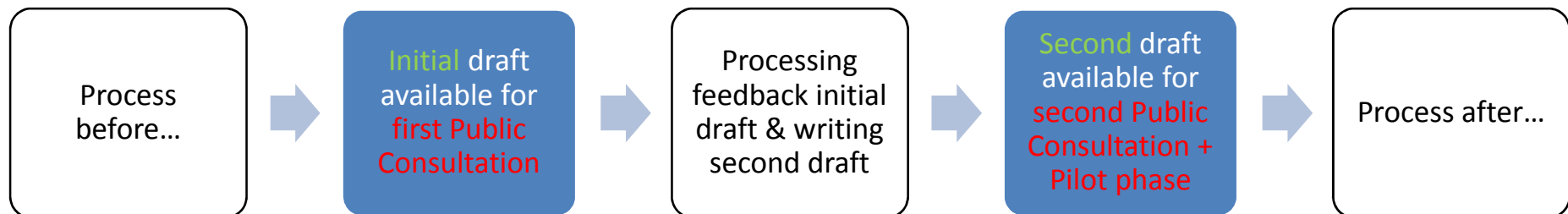
1 Steering Committee (ASC facilitates/secretary)

- 15 people ; 12 votes
- 50/50 balance between industry and non-industry

4 Technical Working Groups

- In total 60 people
- 50/50 balance not achieved for TWG-Animal and TWG-General Feed Mill

## Development of standard:



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## Feed Standard: Considerations

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- ✓ The standard is flexible in that additional ingredients can be added in the future.
  - ✓ The Feed Standard is reliant on products from other standards wherever possible, and this helps avoid duplication. The recognition of new standards, for existing or new ingredients is a key component of the feed standard as it increases availability and flexibility. At this stage the process for evaluating the suitability of new standards has not been determined and comments are welcome.
  - ✓ The Standard should not restrict the use of ingredients but only set requirements for ingredients that are described.
  - ✓ Presence of GMO in feed must be public (on feed label)
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## Feed Standard: Scope (overall)

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- Standard should be globally applicable
- Unit of certification: Feed Mill

Two sections in standard:

1. **Section I: General Feed Mill Requirements**
  2. **Section II: Ingredient Sourcing**
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## Feed Standard: Identifying key ingredients

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- Selection of ingredients needed > analysis was done
  - Issues of considerations in ingredient analysis:
    1. expected leverage of the aquaculture feed industry on the production of specific ingredients
    2. expected leverage of this standard will have on the production of specific ingredients
    3. environmental and social issues generated by the production of feed ingredients
    4. existing sustainability initiatives
    5. supply chain realities
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## Feed Standard: Identifying key ingredients

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Outcome ingredient analyses:

- **Ingredients for which specific requirements can/shall be set:**
    - Marine ingredients,
    - Ingredients made from soy oil palm.
    - Ingredients made from oil palm
  - **Ingredients for which non-specific requirements can/shall be set:**
    - All other ingredients that make up >1% of feed volume
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## Feed Standard: Set-up

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Initial draft – ASC Responsible Feed Standard:

- ✓ **Section I: General Feed Mill Requirements**
    - Principle 1 (General Feed Mill Requirements)
  
  - ✓ **Section II: Ingredient Sourcing**
    - Principle 2 (Marine Ingredients)
    - Principle 3 (Plant Ingredients)
      - Soy & Oil Palm derived
      - Other plant derived
    - Principle 4 (Animal Ingredients)
-



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## Initial Draft - ASC Responsible Feed Standard





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# Content Initial Draft

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## Section I: General Feed Mill Requirements

- Principle 1 (General Feed Mill Requirements)

## Section II: Ingredient Sourcing

- Principle 2 (Marine Ingredients)
  - Principle 3 (Plant Ingredients)
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# Principle 1: General Feed Mill Requirements

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## **Eight criterion in Principle 1:**

- 1.1 License to operate
  - 1.2 Anti-Corruption
  - 1.3 Manufacturing Process (5 sub criteria)
  - 1.4 Labour Practices (12 sub criteria)
  - 1.5 Sourcing (3 sub criteria)
  - 1.6 Product Impact
  - 1.7 Local Community Engagement
  - 1.8 Handling Materials with Specific Claims (2 sub criteria)
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## Principle 1: General Feed Mill Requirements

### ➤ **Criterion 1.1 & Criterion 1.2**



Purpose: feed manufacturers conduct their business in a legal, fair and equitable manner.

#### **Criterion 1.1 License to operate (highlights):**

- Full compliance with all relevant local, regional and national laws & in possession of necessary legal permits.

#### **Criterion 1.2 Anti-Corruption (highlights):**

- Full compliance to functioning anti-corruption policies
  - No staff convicted of corruption charges in last 12 months & all relevant staff trained in anti-corruption
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## Principle 1: General Feed Mill Requirements

### ➤ **Criterion 1.3**



Purpose: understand and reduce environmental impact of feed mill operation.

### **Criterion 1.3 Manufacturing process (highlights):**

- Energy (1.3.1), Emissions (1.3.2), Water consumption (1.3.3)
    - Annual calculation and expressed per metric tonne feed/produced/year
    - Action plan present to reduce factors & evidence of implementation
  - Waste (1.3.4)
    - Evidence of waste reduction plans & implementations
    - Evidence of appropriate storage and/or disposal of hazardous waste
    - Reduction of post-sale waste
  - Effluents (1.3.5)
    - Effluence in compliance with all legal requirements
    - Spill prevention and response plan
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## Principle 1: General Feed Mill Requirements

### ➤ **Criterion 1.4**



Purpose: employer basic rights are protected and working conditions are safe and healthy.

#### **Criteria 1.4.1 Freedom of association and collective bargaining (*highlights*):**

- Freedom to form organizations (unions) to form and protect their rights

#### **Criteria 1.4.2 Child labour (*highlights*):**

- No child labour
- Young workers are protected

#### **Criteria 1.4.1 Forced, bonded or compulsory labour (*highlights*):**

- No forced, bonded or compulsory labour
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## Principle 1: General Feed Mill Requirements

### ➤ **Criterion 1.4**



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#### **Criteria 1.4.4 Discrimination** (*highlights*):

- Evidence of comprehensive and proactive anti-discrimination policies and practices
- No discrimination incidents

#### **Criteria 1.4.5 Work environment health and safety** (*highlights*):

- Health & safety risk assessment and evidence of preventive actions taken
- Trained staff & protective equipment

#### **Criteria 1.4.6 Wages** (*highlights*):

- All basic wage (before overtime/bonuses/etc.) above minimum wage
  - Employer works towards basic needs wage
  - Transparency in wage setting
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## Principle 1: General Feed Mill Requirements

### ➤ **Criterion 1.4**



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#### **Criteria 1.4.7 Contracts (labor) including subcontracting (highlights):**

- All workers have a contract
- Social conditions of staff belonging to suppliers/subcontractors of feed mill equivalent to staff of feed mill

#### **Criteria 1.4.8 Conflict resolution (highlights):**

- Workers must have access to effective, fair and confidential grievance procedures
- Grievances handled within 90 days

#### **Criteria 1.4.9 Disciplinary practices (highlights):**

- No excessive/abusive disciplinary actions
  - Evidence of a functioning disciplinary action policy whose aim is to improve the worker
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## Principle 1: General Feed Mill Requirements

### ➤ **Criterion 1.4**



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#### **Criteria 1.4.10 Working hours and overtime (*highlights*):**

- No incidents of abuse/violation of working hours and overtime laws
- Overtime is limited and paid at premium rate

#### **Criteria 1.4.11 Education and training (*highlights*):**

- Evidence that the company encourages and supports education initiatives for all workers

#### **Criteria 1.4.12 Corporate policies for social responsibilities (*highlights*):**

- Demonstration of company-level policies in line with the ASC Responsible Feed Standard
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## Principle 1: General Feed Mill Requirements

### ➤ **Criterion 1.5**



Purpose: ingredients used have a baseline scrutiny level

#### **Criteria 1.5.1 Risk assessment (*highlights*):**

- Public presence of responsible sourcing policy
- Risk assessment for all ingredients that make up more than 1% by weight of the total volume
- Risk assessment is public
- Assessment of company and supplier compliance against risk assessment is public
- Non-compliance against risk assessment are addressed in time-limited plan

#### **Criteria 1.5.2 Traceability (*highlights*):**

- Presence of an effective traceability system for feed ingredients back to suppliers and all handling steps
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## Principle 1: General Feed Mill Requirements

### ➤ **Criterion 1.5**



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Purpose: ingredients used have a baseline scrutiny level

#### **Criteria 1.5.3 Genetic Modification**(*highlights*):

- Presence of system to identify feeds which contain transgenic materials (>1% of total volume)

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## Principle 1: General Feed Mill Requirements

### ➤ **Criterion 1.6 & Criterion 1.7**



Purpose: reduce the environmental impact of the end product (1.6) and local community engagement (1.7)

#### **Criteria 1.6.1 Product Impact** (*highlights*):

- Calculating potential nitrogen and phosphorus emissions to water from feed use
- Calculations are disclosed to farms

#### **Criteria 1.7.1 Local Community Engagement** (*highlights*):

- Regular and meaningful consultation with local community
  - Evidence of efforts made to avoid, mitigate, and/or compensate for negative impacts on the local community
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## Principle 1: General Feed Mill Requirements

### ➤ *Criterion 1.8*



Purpose: handling materials with specific claims

Traceability of products with a specific claim allowed via:

- I. Physical Segregation
- II. Mass Balance
- III. Book & Claim

Criteria 1.8.1 and 1.8.2 define the indicators for these traceability systems.

➤ **NOTE:** the exact guidelines/instructions are not yet public.

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# Content Initial Draft

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## Section I: General Feed Mill Requirements

- Principle 1 (General Feed Mill Requirements)

## Section II: Ingredient Sourcing

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  - Principle 4 (Animal Ingredients)
-

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## Principle 2: Marine Ingredients

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The TWG-Marine concluded that:

- Issues to be addressed:
    - Need to source from responsibly managed fisheries
    - Not overfished and not having an unacceptable ecosystem impact
  - There are existing certification options:
    - MSC (fishery level)
    - IFFO RS (processing level)
  - Potential for driving improvements in management via endorsed Fishery Improvement Projects (FIP's)
  - Current draft seeks to drive overall fishery performance by demanding higher percentages of certified material over time
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## Principle 2: Marine Ingredients

### ➤ **Criterion 2.1**



Purpose: reduce the environmental and social impact of **marine ingredients**

### **Criteria 2.1.1 Requirements for whole wild fish for feed (*highlights*):**

- Initial compliance will refer to IFFO RS approved fisheries, or equivalents. The remainder will be permitted from a recognized multi-stakeholder FIP.

Initial compliance to come from IFFO RS approved fisheries	...%
Remainder during initial compliance to come from a recognized multi-stakeholder FIP	...%

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## Principle 2: Marine Ingredients

### ➤ **Criterion 2.1**



Purpose: reduce the environmental and social impact of **marine ingredients**

### **Criteria 2.1.2 Improving marine ingredients sourcing requirements** (*highlights*):

- Stepwise approach towards MSC certification after 10 years after release of standard.

After 5 years from release of the standard:	<ul style="list-style-type: none"><li>• At least ...% of supplied whole fish will be from MSC certified fisheries, or equivalent.</li><li>• Up to ...% will be permitted from an approved FIP</li><li>• The remainder percentage can come from fisheries approved under the IFFO RS Standard, or equivalent</li></ul>
After 10 years from release of the standard:	...% of supplied whole fish will be from MSC certified fisheries, or equivalent

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## Principle 2: Marine Ingredients

### ➤ **Criterion 2.2**



Purpose: reduce the environmental and social impact of **marine ingredients**

### **Criteria 2.2 Use of fish by-products for feed**(*highlights*):

- By-product material shall not come from:
  - IUCN – Critically endangered, Endangered, Threatened
  - CITES or other listings including national laws .
  - Diseased or accidental mortalities from aquaculture operations



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## Principle 2: Marine Ingredients

### ➤ **Criterion 2.3 & 2.4**



Purpose: reduce the environmental and social impact of **marine ingredients**

#### **Criteria 2.3 Prevention of IUU and Destructive fishing (*highlights*):**

- All products must come from legal operated and managed fisheries

#### **Criteria 2.4 Factory traceability for raw material (*highlights*):**

- Process in place to trace back whole fish to fishery and vessel.
  - Process in place to trace back by-product to processor
  - Supplier shall record details of: name/registration/call sign/legal owner, date & time of discharge, species & quantity discharged, location & date of fishing, fishing method.
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## Principle 2: Marine Ingredients

### ➤ **Criterion 2.5**



Purpose: reduce the environmental and social impact of **marine ingredients**

### **Criteria 2.5 Social accountability** (*highlights*):

- The supplier shall ensure of:
    - No child/forced labour
    - Freedom of association
    - No harsh/inhumane treatment
    - Receive at a minimum the minimum wage
  - No purchase from convicted vessels on social accountability
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# Content Initial Draft

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## Section I: General Feed Mill Requirements

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-

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## Principle 3: Plant Ingredients

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### Origin terrestrial plant ingredients:

1. Third-party certified sources:
  - Possibilities for effective traceability in supply chain
  - Possibilities for realistic claims on reduced environmental impacts
2. Non-third party certified sources:
  - Limited/none possibilities for effective traceability in supply chain
  - Limited/none for realistic claims on reduced environmental impacts

### In initial standard requirements for two categories of plant ingredients:

- Ingredients with preferred third-party certification schemes available (soy & palm oil)
  - Ingredients with no preferred third-party certification schemes available (other)
-

## Principle 3: Plant Ingredients

### ➤ **Criterion 3.1**



Purpose: reduce the environmental impact of key terrestrial plant ingredients

### **Criteria 3.1.1 Requirements for soya or soya derived ingredients (*highlights*):**

- Soya or soya derived ingredients has to be certified against RTRS (Round Table for Responsible Soy), or ProTerra, or equivalents

Percentage within 3 years of the publication of the ASC Responsible Feed Standard	...%
Percentage within 5 years of the publication of the ASC Responsible Feed Standard	...%

## Principle 3: Plant Ingredients

### ➤ **Criterion 3.1**



Purpose: reduce the environmental impact of key terrestrial plant ingredients

### **Criteria 3.1.2 Requirements for palm oil or oil palm derived ingredients (*highlights*):**

- Palm oil or oil palm derived ingredients has to be certified against RSPO (Round Table for Responsible Palm Oil) or equivalent

Percentage within 3 years of the publication of the ASC Responsible Feed Standard	...%
Percentage within 5 years of the publication of the ASC Responsible Feed Standard	...%



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## Principle 3: Plant Ingredients

### ➤ **Criterion 3.1**



Purpose: reduce the environmental impact of non-key terrestrial plant ingredients

**Criteria 3.2 Requirements for ingredients for which there are no preferred third-party certification schemes available (*highlights*):**

- 100% must meet Criterion 1.5 (Risk Assessment (1.5.1), Traceability (1.5.2) and Genetic Modification (1.5.3))

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-

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## Principle 4: Animal Ingredients

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The TWG-Animal concluded that:

1. Products from rendered animals are currently regulated under national and/or regional food safety requirements
  2. No environmental/social certification schemes are known
  3. Traceability to the animal production level is extremely difficult
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## Principle 4: Animal Ingredients

### ➤ **Criterion 4.1**



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Purpose: reduce the environmental impact of ingredients derived of terrestrial animals

### **Criteria 4.1 Requirements for terrestrial animal ingredients (*highlights*):**

- 100% must meet Criterion 1.5 (Risk Assessment (1.5.1), Traceability (1.5.2) and Genetic Modification (1.5.3))



Thank you!

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