ASC Responsible Feed Standard

Workshop on initial draft
Agenda

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
• Standard currently in development > not yet finished (!)

• Collecting feedback:
  ✓ Documents are on ASC-website (e-mail)
  ✓ Workshops
Aim of this workshop

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.
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.
The Aquaculture Stewardship Council

171 certified farms  
22 countries  
94 in assessment
Rio 2016 Olympics commit to MSC, ASC

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

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

IKEA: “100% ASC certified salmon by 2015”
ASC Market commitments - AEON

AEON: “Increase ASC labelled products to 6 species by 2016”
Introductie wereldwijd keurmerk kweekvis in Amsterdam
ASC verantwoord gekweekte tilapia nu verkrijgbaar

Hier komt de titel van de presentatie

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

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)

Source: FAO, 2011
### 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)
ASC Responsible Feed Standard
Feed Standard: Purpose

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 excising standards where possible.
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:

Process before...

Initial draft available for first Public Consultation

Processing feedback initial draft & writing second draft

Second draft available for second Public Consultation + Pilot phase

Process after...
**Feed Standard: Considerations**

- 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)
Feed Standard: Scope (overall)

- 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**
Feed Standard: Identifying key ingredients

- 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
Feed Standard: Identifying key ingredients

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
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)
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)
Principle 1: General Feed Mill Requirements

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)
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
**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
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
Principle 1: General Feed Mill Requirements

Criterion 1.4

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/bonusses/etc.) above minimum wage
• Employer works towards basic needs wage
• Transparency in wage setting
Principle 1: General Feed Mill Requirements

Criterion 1.4

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 Disciplinarily practices *(highlights)*:
- No excessive/abusive disciplinary actions
- Evidence of a functioning disciplinary action policy whose aim is to improve the worker
Principle 1: General Feed Mill Requirements

Criterion 1.4

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
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 then 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
Principle 1: General Feed Mill Requirements

Criterion 1.5

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)
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
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.
Section I: General Feed Mill Requirements

- Principle 1 (General Feed Mill Requirements)

Section II: Ingredient Sourcing

- Principle 2 (Marine Ingredients)
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  - Other plant derived
- Principle 4 (Animal Ingredients)
Principle 2: Marine Ingredients

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
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.

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<thead>
<tr>
<th>Initial compliance to come from IFFO RS approved fisheries</th>
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<tr>
<td>Remainder during initial compliance to come from a recognized multi-stakeholder FIP</td>
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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: | • At least ...% of supplied whole fish will be from MSC certified fisheries, or equivalent.  
• Up to ...% will be permitted from an approved FIP  
• The remainder percentage can come from fisheries approved under the IFFO RS Standard, or equivalent |
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<td>After 10 years from release of the standard:</td>
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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
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.
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
Section I: General Feed Mill Requirements

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Principle 3: Plant Ingredients

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

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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 equivalents

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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))
Section I: General Feed Mill Requirements

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Principle 4: Animal Ingredients

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
Principle 4: Animal Ingredients

Criterion 4.1

**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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