



Republic of the Philippines
Department of Agriculture
BUREAU OF AGRICULTURE AND FISHERIES STANDARDS



PHILIPPINE NATIONAL STANDARD (PNS) FOR AGRICULTURE AND FISHERY MACHINERY, TOOLS, EQUIPMENT, AND STRUCTURE

Bureau of Agriculture and Fisheries Standards (BAFS)
Department of Agriculture (DA)



*A food-secure Philippines
with prosperous farmers and fisherfolk*



Presentation Outline

1. Definitions of Standard;
2. Legislations on Standards for Machinery, Tools, Equipment and Structures;
3. Standards Development Process; and
4. Prioritization Criteria in the Standards Development.



Definitions: Standard

Document, established by **consensus**, and **approved by a recognized body**, that **provides for common and repeated use, rules and guidelines or characteristics for activities or their results**, aimed at the achievement of the optimum degree of order in a given context

ISO/IEC Guide 2:2004

Document approved by a recognized body, that provides, for common and repeated use, rules, guidelines or characteristics for products or related processes and production methods, ***with which compliance is not mandatory***

WTO Technical Barriers to Trade or TBT Agreement



Republic Act 10601 series 2013

Agricultural and Fisheries Mechanization (AFMech) Law

SEC. 26. Bureau of Agriculture and Fisheries Product Standards. – The BAFPS, in addition to its functions under Sections 62 and 63 of Republic Act No. 8435, shall develop standards for agriculture and fishery machinery, tools and equipment in coordination with accredited testing centers, and other concerned government and private entities.



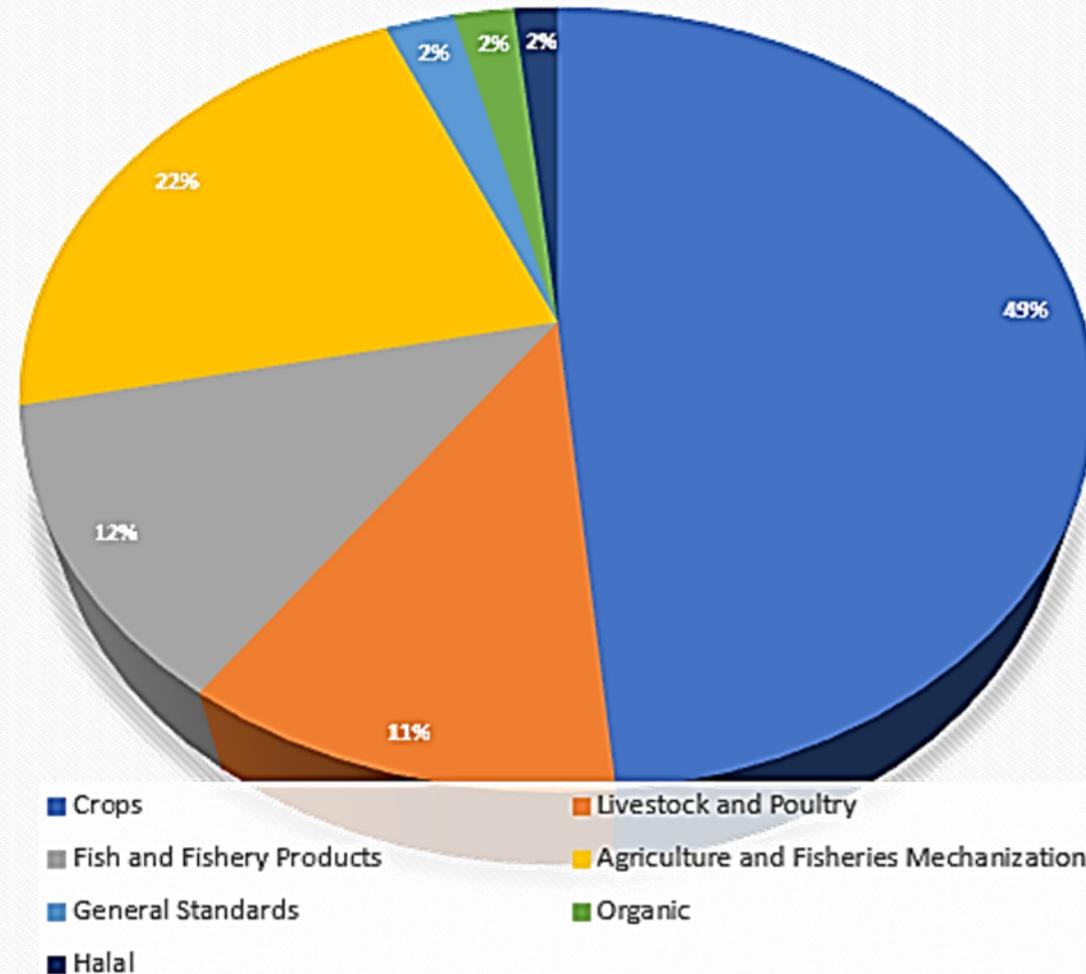
Department Circular No. 01 series of 2013 **Implementing Rules and Regulations for R.A. No. 10601, Otherwise Known as the Agricultural and Fisheries Modernization (AFMech) Law**

SEC. 21. *Standards Development and Enforcement* - The BAFPS, in coordination with DTI, the DOST, the BoAE, and the AMTEC, and in consultation with the accredited associations of farmers and fisherfolk, agricultural machinery assemblers, manufacturers and distributors and agricultural engineers **shall develop standards specification and test procedures of agricultural and fishery machinery and equipment.**



Where we are: Development of PNS, by commodity group (n=317)

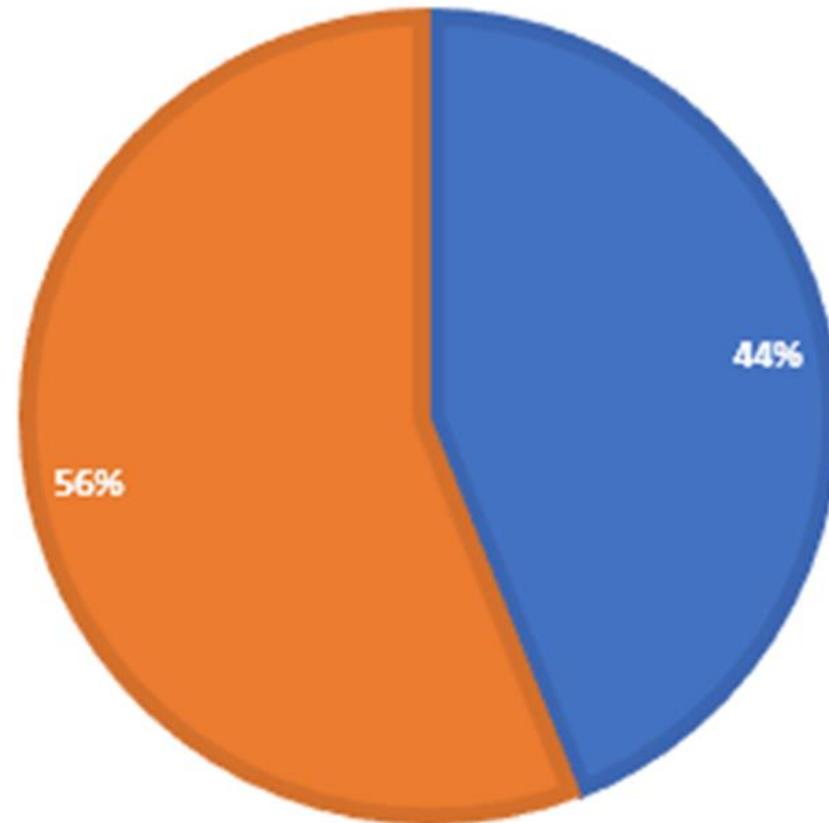
PHILIPPINE NATIONAL STANDARDS DEVELOPED BY SECTOR



Where we are: Development of PNS, by type(n=317)

FOOD SAFETY STANDARDS VS QUALITY STANDARDS

■ Food Safety ■ Quality



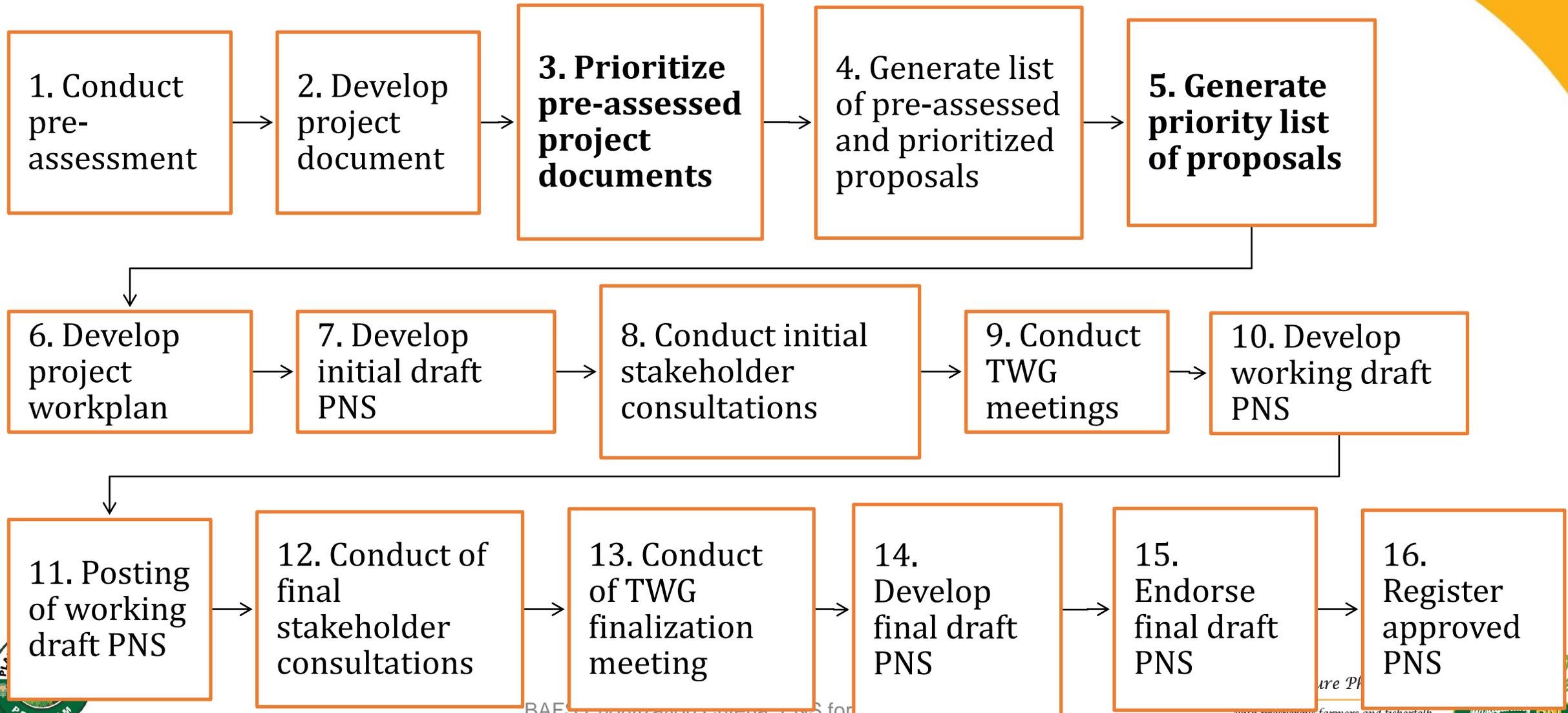
Understanding Standards



A food-secure Philippines
with prosperous farmers and fisherfolk



Standards Development Process Flow



BAFS' 7 SD Prioritization Criteria for AF Machineries

Criteria	Maximum Rating
1. Intended use	20
2. Market commercialization potential	20
3. Impact to trade	20
4. Existing international, regional, national (related) and industry standards	10
5. Available data	10
6. Available local experts	10
7. Available accredited testing centers to test required parameters	10
Total Maximum Rating*	100

***Total minimum rating to proceed with standardization is 60**



BAFS' 7 SD Prioritization Criteria for AF Machineries

Criteria	Maximum Rating
1. Intended use	20
<p>Select only one (1) (20 points) intended for production, harvest, and primary postharvest process of agricultural and fishery commodities (15 points) intended for secondary postharvest process, transport, and distribution of agricultural and fishery commodities (5 points) included in the List of Products and Systems under Mandatory Certification of Department of Trade and Industry (DTI) and considered as highly industrial</p> <p>Major References: BAFE, AMTEC, DTI</p>	



BAFS' 7 SD Prioritization Criteria for AF Machineries

Criteria	Maximum Rating
2. Market commercialization potential	20
Select only one (1) (20 points) commercially available, locally for at least 3 years (15 points) commercially available, both locally and internationally (10 points) commercially available internationally (5 points) in the process of commercialization, prototype available locally and/or internationally Major References: BAFE, AMTEC, DA RFOs, DOST	



BAFS' 7 SD Prioritization Criteria for AF Machineries

Criteria	Maximum Rating
3. Impact to trade	20
Select only one (1) (20 points) high volume/value of domestic production ² and/or high volume/value of exports of the commodity/ies to which it will be used (top 20 Philippine agri-fishery exports) (10 points) low volume/value of production and/or low volume/value of exports of the commodity/ies to which it will be used (i.e. not included in the top 20 Philippine agri-fishery exports) Major References: PSA, DTI-EMB, DA regulatory agencies	



BAFS' 7 SD Prioritization Criteria for AF Machineries

Criteria	Maximum Rating
4. Existing international, regional, and related national, and industry standards	10

Select only one (1)

(10 points) with existing international standards

(7 points) with existing related national and/or industry standards

(5 points) with existing local/regional/international/industry manuals/guidelines/protocols that may be adopted/translated to a standard

For amendment/revision of PNS

(10 points) international standards amended/revised/updated due to new/current information

(7 points) related national and/or industry standards amended/revised/updated due to new/current information

(5 points) local/regional/international/industry manuals/guidelines/protocols amended/revised/updated due to new/current information

Major References: BAFE, AMTEC, DTI-BPS, DA regulatory agencies, private sector organizations



BAFS' 7 SD Prioritization Criteria for AF Machineries

Criteria	Maximum Rating
5. Available data	10
<p>Select only one (1)</p> <p>(10 points) valid and reliable data available, both local and international</p> <p>(8 points) valid and reliable data available (local only)</p> <p>(6 points) valid and reliable data available (international only)</p> <p>(4 points) preliminary data available (local and international)</p> <p>(2 points) preliminary data available (local only)</p> <p>Major References: BAFE, AMTEC, DA RFOs, academe and research institutions (i.e. technology developers)</p>	



BAFS' 7 SD Prioritization Criteria for AF Machineries

Criteria	Maximum Rating
6. Available local experts	10
<p>Select as it applies (cumulative scoring)</p> <ul style="list-style-type: none">(2 points) from regulatory agencies(2 points) from academe and research institutions(2 points) professional organizations(2 points) private sector organizations(2 points) CSOs <p>Major References: BAFE, AMTEC , DA RFO, PCAF</p>	



BAFS' 7 SD Prioritization Criteria for AF Machineries

Criteria	Maximum Rating
7. Available accredited testing centers to test required parameters	10
<p>Select only one (1); if not applicable* , automatic 10 points (10 points) AMTEC and/or other accredited testing centers capable of testing all required parameters (5 points) AMTEC and/or other testing centers capable of testing for selected required parameters</p> <p>Major References: DA-BAFE, AMTEC, DA RFOs, LGUs</p> <p>*Not applicable if rating of score on the available data criteria is at least 8 points</p>	



BAFS' 7 SD Prioritization Criteria for AF Infrastructures

Criteria	Maximum Rating
1. Intended use and relevance	30
2. <u>Replication potential</u>	10
3. Impact to trade	20
4. Existing international, regional, national (related) and industry standards	10
5. Available data	10
6. Available local experts	10
7. <u>Quantity and investment requirements</u>	10
Total Maximum Rating*	100

***Total minimum rating to proceed with standardization is 60**



BAFS' 7 SD Prioritization Criteria for AF Infrastructures

Criteria	Maximum Rating
1. Intended use and relevance	30
Select as it applies (cumulative scoring) (15 points) appropriate for the intended use (5 points) promotes cost-effectiveness (5 points) modern (i.e. uses the latest advancement in science and technology) (5 points) promotes environmental sustainability (i.e. uses renewable and non-conventional sources of energy) Major References: BAFE, AMTEC, DPWH, DOST	



BAFS' 7 SD Prioritization Criteria for AF Infrastructures

Criteria	Maximum Rating
2. Replication potential	10
Select only one (1) (10 points) structure already existing and has been replicated, both locally and internationally (8 points) structure already existing and has been replicated, locally (6 points) structure already existing and has been replicated, internationally (4 points) prototype structures existing, locally and/or internationally Major References: BAFE, AMTEC, DA RFOs, DPWH	



BAFS' 7 SD Prioritization Criteria for AF Infrastructures

Criteria	Maximum Rating
3. Impact to trade	20
<p>Select only one (1) (20 points) high volume/value of domestic production and/or high volume/value of exports of the commodity/ies to which the structure will be used (including for transport and distribution purposes) (10 points) low volume/value of production and/or low volume/value of exports of the commodity/ies to which the structure will be used (including for transport and distribution purposes) Major References: PSA, DTI-EMB, DA regulatory agencies, DPWH</p>	



BAFS' 7 SD Prioritization Criteria for AF Infrastructures

Criteria	Maximum Rating
4. Existing international, regional, and related national, and industry standards	10
<p>Select only one (1) (10 points) with existing international and/or DPWH standards (7 points) with existing related national and/or industry standards (5 points) with existing local/regional/international/industry manuals/guidelines/protocols that may be adopted/translated to a standard</p> <p><i>For amendment/revision/updating of PNS</i> (10 points) international and/or DPWH standards amended/revised/updated due to new/current information (7 points) related national and/or industry standards amended/revised/updated due to new/current information (5 points) local/regional/international/industry manuals/guidelines/protocols amended/revised/updated due to new/current information</p> <p>Major References: BAFE, AMTEC, DTI-BPS, DA regulatory agencies, private sector organizations, DPWH</p>	

BAFS' 7 SD Prioritization Criteria for AF Infrastructures

Criteria	Maximum Rating
5. Available data	10
<p>Select only one (1) (10 points) valid and reliable data available, both local and international (8 points) valid and reliable data available (local only) (6 points) , valid and reliable data available (international only) (4 points) preliminary data available (local and international) (2 points) preliminary data available (local only) Major References: BAFE, AMTEC, DA RFOs, academe and research institutions (i.e. technology developers)</p>	



BAFS' 7 SD Prioritization Criteria for AF Infrastructures

Criteria	Maximum Rating
6. Available local experts	10
<p>Select as it applies (cumulative scoring)</p> <ul style="list-style-type: none"> (2 points) from regulatory agencies (2 points) from academe and research institutions (2 points) professional organizations (2 points) private sector organizations (2 points) CSOs <p>Major References: BAFE, AMTEC , DA RFO, PCAF</p>	



BAFS' 7 SD Prioritization Criteria for AF Infrastructures

Criteria	Maximum Rating
7. Quantity and investment requirements	10
<p>Select only one (1)</p> <p>(10 points) high quantity, low investment cost (8 points) high quantity, high investment cost (6 points) low quantity, low investment cost (4 points) low quantity, high investment cost</p> <p>Major References: DA-BAFE, AMTEC, DA RFOs, LGUs, DPWH</p>	





Department of Agriculture
**BUREAU OF AGRICULTURE
AND FISHERIES STANDARDS**

*"...ensuring consumers' safety and product quality,
and contributing to environmental protection,
worker's welfare, and enhanced market access."*



WALANG IWANAN
Ligtas at Dekalidad
na Pamantayan
sa Gitna ng Pandemya

— 1998 - 2020 —



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