



Republic of the Philippines
Department of Agriculture
OFFICE OF THE SECRETARY
Elliptical Road, Diliman
Quezon City, 1100 Philippines

MEMORANDUM ORDER

No. 05
Series of 2021

SUBJECT : UPDATING AND REVISION OF THE NATIONAL AGRICULTURAL AND FISHERIES MECHANIZATION PROGRAM (NAFMP)

The Bureau of Agricultural and Fisheries Engineering (BAFE) is directed under the Agricultural and Fisheries Mechanization Law to spearhead the preparation of the National Agricultural and Fisheries Mechanization Program (NAFMP). The NAFMP serves as a guide in the national planning, programming, budgeting, implementation, monitoring, and regulation of agricultural and fisheries mechanization programs and projects.

Moreover, pursuant to Administrative Order No. 03 Series of 2020, the BAFE was designated as the Secretariat and Program Management Office of the NAFMP. In line with this, the BAFE is currently updating the NAFMP to address the bottlenecks and real challenges in the implementation of the program, align it with the new thrusts and priorities of the government, and strengthen the coordination and collaborative efforts among government agencies and the private sector in mechanization.

All officials and employees of the Department, including its Bureaus, Attached Agencies and Corporations, DA – Service Units and Regional Field Offices are hereby advised and directed to give their full support and cooperation to BAFE on the review and updating, as well as implementation of the NAFMP.

Attached is the NAFMP Planning Framework as your reference.

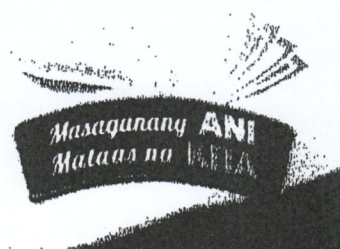
This memorandum shall take effect upon signing and shall be fully enforced until revoked. For your guidance and strict compliance.

Done this 11th day of January, 2021.

WILLIAM D. DAR, Ph.D.
Secretary

DEPARTMENT OF AGRICULTURE
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*A food-secure and resilient Philippines
with prosperous farmers and fisherfolk*



The National Agri-Fishery Mechanization Program (NAFMP) was approved last April 07, 2017 pursuant to Section 5 of R.A. No. 10601 otherwise known as the Agricultural and Fisheries Mechanization Law. In consonance with its Implementing Rules and Regulations which was supplemented by DA Administrative Order No. 03 Series of 2020, the following guidelines are hereby issued on the updating of the National Agricultural and Fisheries Mechanization Program:

I. NAFMP PLANNING FRAMEWORK AND PARAMETERS

1. *Updating of NAFMP* - The National Agri-Fishery Mechanization Program (NAFMP) to be updated shall cover the period from CY 2022 to 2027 in consonance with the Agriculture and Fisheries Modernization and Industrialization Plan (AFMIP). The BAFE, ATI, PCAF, and PHilMech shall collaboratively spearhead the updating of the NAFMP in coordination with other concerned agencies, academe, and the private sector.
2. *Objectives.* Pursuant to Section 5 of R.A. No. 10601, the National Agricultural and Fisheries Mechanization Program shall have the following objectives:
 - (a) Promote and support through the provision of research grants, credit, transparent and predictable regulation, the local development, and manufacture of agricultural and fisheries machinery by the private sector;
 - (b) Unify, lead, and support the efforts of various institutions in the research, design, and development of agricultural and fisheries machinery;
 - (c) Establish quality, safety, and performance standards for agricultural and fisheries machinery;
 - (d) Support the establishment of quality, safety, and performance testing centers for the certification of agricultural and fisheries machinery in strategic localities in the country;
 - (e) Establish guidelines for the registration of ownership of agricultural and fisheries machinery; and
 - (f) Promote the adoption of certified agricultural and fisheries machinery for improving agriculture and fishery productivity.
3. *Components.* Pursuant to Rule 5.3 of the AFMech Law IRR, the NAFMP shall have the following components:
 - a. Local Assembling and Manufacture of Agri-fishery Machinery;
 - b. Research, Development, and Extension;
 - c. Standards and Regulations;
 - d. Support Services and Institutional Development; and

e. Human Resource Development.

4. *Strategic Thrusts.* The NAFMP shall pursue the following Strategic Thrusts:

- a. Strengthened capability of local agricultural & fisheries machinery assemblers and manufacturers;
- b. Unified and strengthened Agricultural and Fisheries Mechanization Research, Development, and Extension for food security, empowerment of farmers and fisherfolk and global competitiveness;
- c. Supply of safe, quality, and efficient agricultural and fisheries machinery and equipment for Philippine Agricultural and Fisheries Modernization;
- d. Intensive delivery of support services and empowered institutions for the effective and efficient implementation of agricultural and fisheries mechanization programs and projects at the national and local levels; and
- e. Productive and competitive agricultural and fisheries mechanization workers.

5. *Characteristics.* Pursuant to Rule 5.4 of the IRR of R.A. No. 10601, the NAFMP shall have the following characteristics:

- a. It shall be formulated based on the aggregation of Local and Regional AFMech Plans;
- b. It shall include the general approaches and strategies to address the issues facing agricultural and fishery mechanization across commodities and following the value chain analysis;
- c. It shall take into account the gender, climate change, and environmental considerations;
- d. It shall serve as the overall agriculture and fishery sector mechanization program to guide DA in the planning, programming, budgeting, and monitoring of mechanization related interventions; and
- e. It shall provide the direction for NAFMech RDE Agenda under Section 7 and National Training and Scholarship Programs under Section 12.1 of the AFMech Law.

6. *Alignment to the DA Planning Framework-* The NAFMP shall be aligned to the DA Planning Framework, specifically in:

- a) Supporting the attainment of the goals and objectives of Chapter 8 {Expanding Economic Opportunities in Agriculture, Forestry, and Fisheries (AFF)} of the Philippine Development Plan towards achieving:
 - 1) Improved AFF productivity within ecological limit;
 - 2) Increased access to value chains;
 - 3) Enhanced access to innovative financing;
 - 4) Increased AFF-based enterprises; and
 - 5) Increased access to technology
 - b) Contributing to the eight (8) Paradigms to level up Agriculture, which are:
 - 1) Modernization of Agriculture,
 - 2) Industrialization of Agriculture,
 - 3) Promotion of Exports,
 - 4) Farm Consolidation,
 - 5) Infrastructure Development,
 - 6) Higher budget and investments for agriculture,
 - 7) Legislative Support, and
 - 8) Roadmap Development
 - c) Analysis on the gaps and benefits of agricultural and fisheries Mechanization is identified as one of the important inputs in the Agriculture and Fisheries Modernization Plan. Moreover, the Value Chain Analyses of the Department recognizes the impact of agricultural mechanization technologies in providing competitive advantage to the Philippine agri-fisheries sector from input acquisition, production, processing up to marketing which can be later used as a guide in reviewing and planning the NAFMP at the regional level.
 - d) Following the policy directing the National Government Agencies to provide necessary assistance to identified stakeholders with minimal intervention in order to ensure the development of the agricultural mechanization sector.
 - e) Promoting the competitiveness of the Philippine agriculture and fisheries sectors under the ASEAN Economic Community 2015 enabling the free-flow of agricultural and fisheries goods and services
7. *Updating of Regional Agricultural and Fisheries Mechanization Programs* - The existing Regional Agricultural and Fisheries Mechanization Program (RAFMP) of all concerned DA - Regional Field Offices shall be simultaneously updated with the NAFMP on or before June 2021 for consolidation and integration in the appropriate components of NAFMP.
 8. *NAFMP Relation with Existing DA Banner Programs and Other Programs and Projects* - The DA Banner Programs and Locally Funded Programs shall align, strengthen, integrate, and reformulate their agricultural and fisheries

mechanization interventions to, and in accordance with the NAFMP, and include the funding requirements in their respective proposed budget for 2022 and onwards.

9. *Participation and Support of Concerned National Government Agencies and the Private Sector*- The involvement and active participation of concerned national government agencies, academe and private sector as enumerated in Rule 5.1 of the AFMech Law IRR shall be encouraged in the updating of the NAFMP. As such, the mechanization programs and projects of various government agencies and the private sector shall be incorporated in the updating of the NAFMP. All efforts should be exerted to engage their participation in the consultations and other activities.

The National Government shall establish functional complementation and coordination mechanisms with the LGUs in order to foster transparency and commitment in strengthening the Agricultural and Biosystems Engineering services (e.g. agri-fisheries mechanization, infrastructure projects, etc.) at the provincial, city, and municipal level in consonance with provisions stated in the AFMech Law, the Local Government Code of 1991, Joint DA-DILG Memorandum Circular No. 11, series of 2004, Joint DA-DBM-CSC-DILG MC No. 2, series of 2020, and DA- DILG JMC No. 1 Series of 2020.

As its way of optimizing the impact of government programs and resources, the DA shall closely coordinate with its partner agencies to ensure its consistency and inclusion in the investment plans, promote harmonization and non-duplication of mechanization activities.

In order to come up with a more comprehensive policy framework, the updating of the NAFMP shall secure the increased participation of representatives from the private sector such as agri-fisheries machinery manufacturers, fabricators, assemblers, distributors, dealers, importers, and exporters (MFADDIES), climate change advocates, Gender and Development Centers, and ASEAN Affairs Offices, Agricultural and Fishery Councils, and Farmers Organizations.

10. *Regional Agricultural and Fisheries Mechanization Programs* - The Regional Agricultural Engineering Division (RAED) in coordination with the Field Operations Division (FOD) and the Planning, Monitoring and Evaluation Division (PMED) of the DA-Regional Field Offices (DA-RFOs) shall spearhead the updating of their respective Regional Agricultural and Fisheries Mechanization Program (RAFMP). The expenses that will be incurred in updating the RAFMP shall be charged against the funds allocated to the RAED funds in DA-RFOs. Moreover, the RAFMP shall be guided by the following:

- a) A regional translation of the NAFMP and its various components;

- b) Consolidated and harmonized regional agricultural and fisheries mechanization programs and projects of concerned DA bureaus and attached agencies;
- c) Integration of the agricultural and fisheries mechanization programs and projects of the regional offices of concerned national government agencies such as DAR, DOLE, TESDA, NFA, PCA, etc. and agricultural and fisheries-based State Colleges and Universities;
- d) Private Sector Participation and Support wherein the RAFMP shall be endorsed by the Regional Agricultural and Fishery Councils (RAFCs) and the Regional Development Councils;
- e) Participation and involvement of the Local Government Units in the planning and implementation of the RAFMP; and
- f) The RAFMP should be based on the regional priority commodities and provincial commodity investment plans.

11. *Contents of the NAFMP/RAFMP*- The NAFMP/RAFMP shall have the following contents:

- a) Philippine National/Regional Agricultural and Fisheries Mechanization Situationer
 - 1) Profile/Status of the Philippine National/Regional Agricultural and Fisheries Mechanization
 - 2) Summary and status of implementation of Agri-Fisheries Mechanization of concerned National/Regional Government Agencies Programs (DA, DAR, DOST, LGUs, etc.); and
 - 3) Issues, Challenges, and Gaps
- b) Objectives
- c) Program Components and its Details
- d) Physical Target by Component and by Region and Province
- e) Budgetary Requirements
- f) Implementing Structures
- g) Roles and Responsibilities of Implementing Agencies

II. CALENDAR AND TIMETABLE OF ACTIVITIES FOR UPDATING OF NAFMP

1. Consultations, Workshops and Meetings at the National and Regional Levels. The BAFE and RAEDs shall spearhead the updating of the NAFMP and RAFMP, respectively. Regional consultations will be conducted to generate comments, inputs and recommendations that may be integrated in the plan. In particular, the following activities and timelines should be conducted:

Regional Workshop: Each region must conduct their regional workshop from January to May 2021.

Submission to BAFE: Updated RAFMP to be submitted to BAFE on or before June 30, 2021.

2. Final Draft of the NAFMP - The updated NAFMP shall be completed by November 2021 and shall be presented to the NAF Council through PCAF by first week of December 2021 for further comments and adoption.
3. Inclusion in **2022** General Appropriations Act (GAA)- The Planning and Monitoring and Financial Management Services of DA shall ensure that the NAFMP shall be included in the Department's priority budgetary proposal in the **2022** General Appropriations Act and the succeeding years thereafter. For this purpose, the BAFE appropriations under GAA shall be revised and expanded to carry-out the implementation of NAFMP.

Thereafter, the NAFMP annual budgetary requirements shall be proposed in the General Appropriations Act following the schedules and guidelines of the DBM National Budget Call Circulars.

4. Formulation of Local Agricultural and Fisheries Mechanization Program - The BAFE and RAEDs, pursuant to Rules 33.1, 33.2 and 33.3 of the IRR of R.A. No. 10601, Joint DA-DILG Memorandum Circular No. 11, series of 2004 (Enhancing the Functional Complementation between the DA and LGUs in the implementation of Irrigation, Postharvest facilities, Agricultural and Fisheries Mechanization and Infrastructure and Other Agricultural Engineering Projects of AFMA), and DA- DILG JMC No. 1 Series of 2020 (Guidelines in the Formulation of Provincial, City, and Municipal Agricultural and Fisheries Mechanization Plans), shall coordinate, facilitate and provide assistance to the Agricultural Engineering Division/Section of the Local Government Units for the formulation of the local Agricultural and Fisheries Mechanization Program.

The local AFMP shall be formulated in accordance with the NAFMP and DA- DILG JMC No. 1 Series of 2020 (Guidelines in the Formulation of Provincial, City, and Municipal Agricultural and Fisheries Mechanization Plans), and in support of the Development/Priority Commodity Road Maps of the particular area/region consistent with the approved SAFDZs. It shall be adopted by the Local Councils and included in the local investment plans for subsequent budgetary support

Formulation of BARMM Agricultural and Fisheries Mechanization Program - The BAFE shall coordinate and provide assistance to the Agricultural Engineering Division of the Bangsamoro Autonomous Region in Muslim Mindanao in the formulation of BARMM Agricultural and Fisheries Mechanization Program (BARMM AFMP).

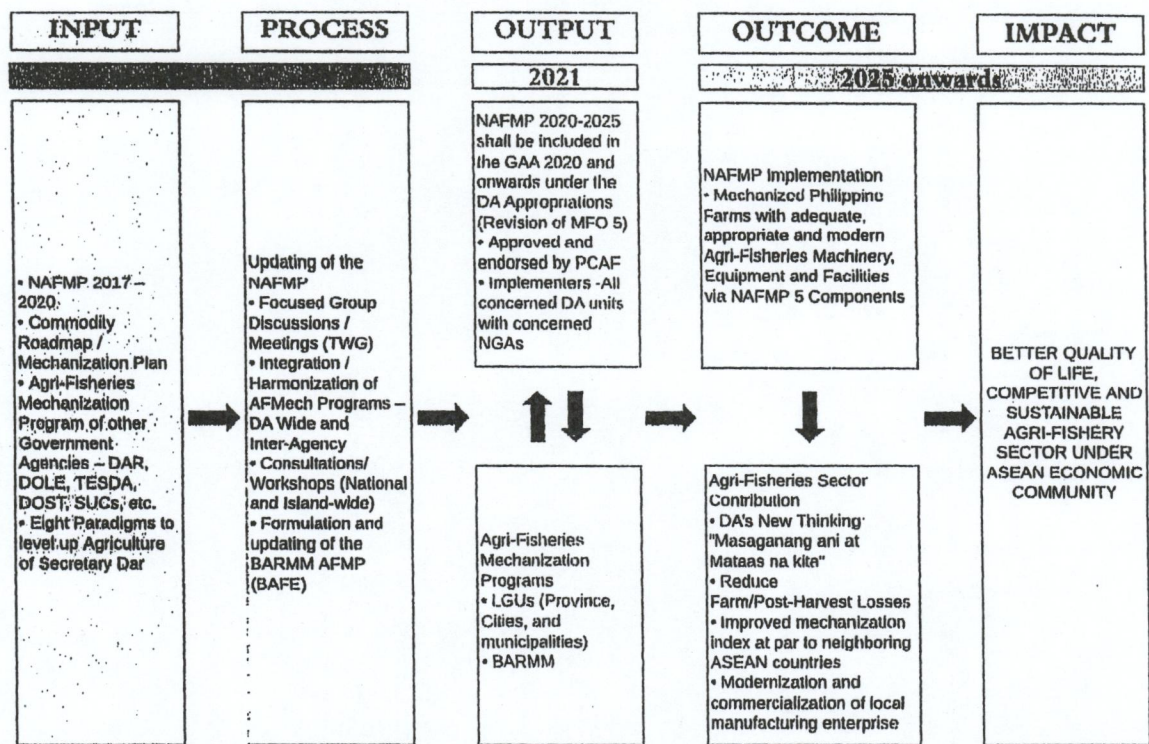


Figure 1. NAFMP Planning and Implementation Framework