Strategic Thrust/ Outputs	Activities	Deliverables	Timeline (includes preparatory work)	Lead agency; other responsible agencies, Dialogue/ Development Partners
Strategic Thrust 1.	. Strengthen Food Security, inclu	iding Emergency/ Shortage Relief Arrangem	ent	
Output 1.1 Regiona	al food security reserve fully function	ז	2021-2025	 AMS APTERR Parties APTERR Secretariat ASEC ADB, FAO
	1.1.1. Conduct technical meetings on country-specific implementation of APTERR, covering development the release of APTERR stocks.	 Proceedings/minutes of technical working meetings; Role and participation of private sector in emergency rice reserves determined; Measures for reducing storage cost of stockpiled and earmarked reserves; Other cooperation measures determined such as between national food security agencies and APTERR, the sharing of information on emergency rice reserves, pre-positioning of earmarked stocks, etc. Draft guidelines on improved rules and procedures of release and replenishment of Rice Reserves. 	2021-2025	 AMS APTERR Parties APTERR Secretariat ASEC ADB, FAO

ANNEX 1: DETAILED SPA-FS 2021-2025

a	.1.2. Gather data and conduct nalysis thereof to support the echnical meetings	 Studies on the issues to be taken up during the technical meetings, e.g. appropriate size of the emergency rice reserves at the national and regional levels, etc. Presentation materials as technical inputs to the TWG meetings and policy fora 	2021 – 2025	 AMS APTERR Parties APTERR Secretariat ASEC ADB, FAO
th e: in	.1.3. APTERR Council assists ne APTERR parties to stablish country-specific nplementation mechanisms ind overall M&E system	- Manual of operations, procedure flowcharts produced	2021 – 2025	 AMS APTERR Parties APTERR Secretariat ASEC ADB, FAO
ac Al	1.4. Conduct capacity building ctivities (e.g. trainings) for PTERR Members and ecretariat staff	 Training program design, list of trainees, and training report 	2021 – 2025	 AMS APTERR Parties APTERR Secretariat ASEC ADB, FAO
So aç as	1.5 Collaboration with AFSIS ecretariat and national food gencies to periodic ssessment of Food mergency Monitoring and nformation (FEMI) system.	 Warning system on disaster situation Quarterly FEMI assessment of disaster situation Yearly FEMI report on disaster situation 	2021 – 2025	 APTERR Parties APTERR Secretariat AFSIS Secretariat ADB, FAO Others to be determined.
stu co	1.6. Conduct a possibility udy on expanding food ommodities and identify a iitable mechanism	 Inception Report covers the methodology and study work plan 	2021- 2023	- AMSs - APTERR Council

		 Interim Report covers all sections in the outline agreed and the preliminary findings of the study Draft Final Report covers the findings of the study Final Report – incorporates comments, corrections, and recommendations 		 APTERR Secretariat ADB, FAO and relevant partners
	<u>Activity 1.</u> 1.7. Develop a framework in the system for ASEAN Member States to escalate request in the event of an export ban and for member states to continue to honour committed exports for at least what has been ordered for the current month and 1 month forward	 In the event of an export ban, the system to escalate request developed 	2021-2025	- AMSs
Output 1.2. Sustain	ability of the food supply chain with	enhancement to the seed industry	2021 - 2025	 Malaysia (as lead) Other AMSs ASC Council ASC Secretariat Others to be determined
	1.2.1. Conduct technical meetings on ASEAN Seed Council (ASC)	 Proceedings/minutes of technical working meetings; Draft guidelines on improved rules and procedures 	2021-2025	 Malaysia (as lead) Other AMSs ASC Council ASC Secretariat Others to be determined

1.2.2. Gather data and conduct analysis thereof to support the ASC technical meetings	 Studies on the issues to be taken up during the technical meetings Presentation materials as technical inputs to the TWG meetings 	2021 – 2023	 Malaysia (as lead) Other AMSs ASC Council ASC Secretariat Others to be determined
1.2.3. Assist ASC Council to establish country-specific implementation mechanisms and overall M&E system	 Manual of operations, procedure flowcharts produced 	2021 – 2023	 Malaysia (as lead) Other AMSs ASC Council ASC Secretariat Others to be determined
1.2.4. Conduct capacity building activities (e.g. trainings) for ASC Members and Secretariat staff	- Training program design, list of trainees, and training report	2021 – 2023	 Malaysia (as lead) Other AMSs ASC Council ASC Secretariat Others to be determined
1.2.5. Create platform for seed information sharing on various aspects of seed industry	 a database on supply and utilization of seed/food commodities in the region such as rice, corn, soybean, cassava, and sugar; other data on food availability and accessibility, update on regular basis; as well as hunger and nutrition indicators at the national and subnational levels, updated based on data availability. 		 Malaysia (as lead) Other AMSs ASC Council ASC Secretariat Others to be determined

	1.2.6 Facilitate technical and	- Other cooperation measures determined	2021 - 2025	- Malaysia (as lead)
	economic co-operation among industry player	such as between national food security		- Other AMSs
		agencies and ASC		- ASC Council
				- ASC Secretariat
				- Others to be determined
	1.2.7 Harmonise rules and		2021 - 2025	- Malaysia (as lead)
	regulations related to seed industry system within ASEAN			- Other AMSs
				- ASC Council
				- ASC Secretariat
				- Others to be determined
Strategic Thrust 2	: Promote conducive food market	t and trade		
Output 2.1. Region	al food trade distributing more diver	rse and affordable food at more stable prices	2021 - 2025	 AMS AFSRB/ AFSRB Secretariat (Lead) ASEC ADB, FAO Others to be determined
	2.1.1. Convene the Rice (or Food) Trade Forum to discuss: procedures and disciplines to be followed with respect to the use of food rice trade restrictions and operations of state trading entities; food trade facilitation; food value chain	 Draft amendment(s) to ATIGA Article 24 possibly including (a) through (d), supported by the participants of the forum. Presentations on these reform proposals done at the forum ASEAN Rice Situation and Outlook 2021 	2021 – 2025	 AMS AFSRB/ AFSRB Secretariat (Lead) ASEC ADB, FAO Others to be determined

strengthening, and food diet		
diversification, open to		
participation of private traders,		
and Dialogue Partners who are		
also key players in the global		
rice market.		
Two meetings are considered:		
In the first, participants will take		
reform measures to more		
closely integrate rice in the		
single market system of the		
AEC. Some reform measures		
may include the following (a)		
reduced self-sufficiency targets		
of net-rice importing countries		
in exchange for guarantees on		
export deliveries of net rice		
exporting countries; (b) set of		
criteria to be met and other		
disciplines in the grant of the Article 24 waiver for rice under		
the ATIGA; (c) set of criteria to		
be met and disciplines to be		
followed in the exercise of		
export restrictions and/or		
related domestic measures		
which have the equivalent		
effect of reducing rice exports;		
and (d) promotion of private		
sector participation in rice trade		
and disciplines to be followed		
by national food parastatals.		
These reform proposals on		

 rice, (a) through (d), may be introduced as amendments to Article 24. The second meeting will take up the following reforms and cooperation measures: (a) measures to attract private investors in a regional rice futures trading, including the development of a rice index; (b) establishing product standard and certification procedures in the trade of food commodities; (c) facilitating cross-border trade in food commodities; (d) strengthening value chain systems and promoting contract farming; and (e) accelerating food diet diversification among the peoples in ASEAN. 	 Report on the Food Security in the ASEAN Economic Community identifying the following initiatives as (a) through (e); Presentations on these reform proposals done at the forum; ASEAN Rice Situation and Outlook 2021 	2021 – 2025	 AMS AFSRB/ AFSRB Secretariat (Lead) ASEC ADB, FAO Others to be determined
 2.1.2. Conduct technical meetings of the AFSRB in preparation for ASEAN Rice (or Food) Trade Forum. Two technical meetings are considered, one each per meeting of the Forum. 	- Alternative proposals for promoting conducive integration of rice in the regional economy discussed and refined	2021 – 2023	 AMS AFSRB/ AFSRB Secretariat (Lead) ASEC ADB, FAO Others to be determined
2.1.3. Gather data and conduct analysis thereof to support the AFSRB technical meetings, such as policy scenarios for the	- Studies on the items in the agenda of the first and second annual rice policy fora, e.g. analysis of the proposed policy	2021 – 2023	 AMS AFSRB/ AFSRB Secretariat (Lead) ASEC

rice market, impact assessment of contract growing on small-scale farmers, and related studies	 cooperation measures in the first TWG meeting to promote rice trade. Presentation materials for the technical working group meetings and policy fora 		- ADB, FAO - Others to be determined
	 Draft amendment to Article 24 submitted to the SOM-AMAF Leaders for further guidance 	2021 – 2023	 AMS AFSRB/ AFSRB Secretariat (Lead) ASEC ADB, FAO Others to be determined
2.1.5 Convene seafood forum to deliberate specifically on technical barriers to seafood trade with a view to promote movement of fish and fish products intended for human consumption		2021-2023	 AMS AFSRB/ AFSRB Secretariat (Lead) ASEC ADB, FAO Others to be determined
Output 2.2. Enhanced AFSRB capacity as food security	policy advisory unit for SOM-AMAF	2021 -2025	- AMS - AFSRB - ASEC - ADB
2.2.1. Conduct capacity building ac and Secretariat staff	tivities (e.g. trainings) for AFSRB Members	2021 -2025	- AMS - AFSRB - ASEC - ADB
Strategic Thrust 3. Strengthen integrated food secu utilization for basic food commodi		cast, plan and r	nonitor supplies and

Adopted by the 42nd AMAF on 21 October 2020

Output 3.1. AFSIS established as a permanent and fully functional early warning, monitoring, and surveillance information system with stronger network of sources of food market data and information in the region			2021 - 2025	- AFSIS (Lead) - AMS - ASEC - ADB, FAO
	.1.1. Establish AFSIS as a permanent, self-supporting, functionally independent system based on formal commitment of member states, assign a permanent host of its Secretariat, and consult with Plus 3 member states for cooperation and technical assistance	- Support mobilized from Plus 3 member states to sustain AFSIS	2021 -2025	- AFSIS (Lead) - AMS - ASEC - ADB, FAO
	.1.2. Collect and update food security data on a regular basis including food supply information that meeting the national dietary guidelines.	 a database on supply and utilization of food commodities in the region such as rice, corn, soybean, cassava, and sugar; other data on food availability and accessibility, update on regular basis; as well as hunger and nutrition indicators at the national and subnational levels, updated based on data availability 	2021-2025	- AFSIS (Lead) - AMS - ASEC - ADB, FAO

	3.1.3. Conduct timely, periodic assessment of the state and outlook for rice and other key food commodities in ASEAN Plus Three in the context of global markets based on real time market intelligence, use of existing data, and quantitative analysis	 Half-yearly ASEAN commodity outlooks for rice, maize, soybean, cassava and sugar Yearly ASEAN rice outlook and forecast using a global rice market model 	2021 – 2025	- AFSIS (Lead) - AMS - ASEC - ADB, FAO
	3.1.4. Collaborate with food security organizations, international and other organizations related developing quality standards and best practices for food security information systems and strengthen human resource development	 Trainings/workshops on food security and related topics to be organized 	2021-2025	- AFSIS (Lead) - AMS - ASEC - ADB, FAO
Strategic Thrust 4.	Promote sustainable food produ	iction		
Output 4.1. R&D ou access facilitated		sed and food value chains disseminated and	2021 - 2025	 AMS ATWGARD (Lead) ASWGAC ASEC IFPRI IRRI ADB, FAO AsiaDHRRA

4.1.1. Create and use a technology portal to disseminate new technologies and practices in the various stages of agribased and food value chains and facilitate access to these by ASEAN producers to improve productivity and efficiency of value chains and product and safety standards including adoption of environmentally sustainable practices.	-	ASEAN technology and food supply chain portal established Terms of reference developed governing the access and use of technology portal issued and approved by SOM-AMAF and AMAF	2021 - 2025	 AMS ATWGARD (Lead) ASWGAC ASEC IFPRI IRRI ADB, FAO AsiaDHRRA
4.1.2. Promote cooperation between NARS of AMS and IARCS to implement IRRI's Rice Action Plan and other food commodity development plans, e.g. maize	-	ASEAN rice producers informed of and given access to rice and other food technologies	2021 - 2025	 AMS ATWGARD (Lead) ASWGAC ASEC IFPRI IRRI ADB, FAO AsiaDHRRA
4.1.3. Promote cooperation between NARS, IARCS, private sector, and farmer organizations, towards expanding vegetable and fruit production in rural and urban areas, through adequate and quality seeds and planting materials and extension	-	ASEAN rice producers informed of and given access to certified seeds, planting materials and training to grow more vegetables and fruits	2021-2025	 AMS ATWGARD (Lead) ASWGAC ASEC IFPRI IRRI ADB, FAO AsiaDHRRA

support to fruit and vegetable growers			
4.1.4. Promote technologies and techniques to reduce post- harvest losses and food waste in AMS	 Appropriate technologies to reduce post- harvest losses introduced 	2021-2025	 AMS ATWGARD (Lead) ASWGAC ASEC IFPRI IRRI ADB, FAO AsiaDHRRA
4.1.5 Coordinate and assist in the overall research, development and commercialization activities within ASEAN member countries on Seed Sector	 Appropriate seed technologies introduced 	2021-2025	 ASC Council ASC Secretariat Others to be determined.
4.1.6. Promote research and development in alternative source of fish meal for fish feeds production	 research and development in alternative source of fish meal for fish feeds production conducted and introduced 	2021-2025	 AMS ATWGARD (Lead) ASWGAC ASEC IFPRI IRRI ADB, FAO AsiaDHRRA
4.1.7. Expand and promote farmers' knowledge beyond agriculture to include agribusiness and entrepreneurship	Farmers' knowledge on agribusiness and entrepreneurship improved	2021-2025	 AMS ATWGARD (Lead) ASWGAC ASEC ADB, FAO AsiaDHRRA

Output 4.2. Improv	ved awareness of key producers on	food quality and safety assurance		
	4.2.1. Develop food safety information on commodity- specific production through food fraud surveillance system in terms of mitigation and prevention.	Food safety information on commodity specific production promoted	2021-2025	- AMS
	4.2.2. Strengthen capacity of key players on safety food production along food value chain	Trainings/workshops for key players on food security conducted	2021-2025	- AMS
Strategic Thrust {	5. Encourage greater investment in t	food and agri-based industry to enhance food s	ecurity	
Output 5.1. Sustaiı	ned expansion of investments in food	d and agri-based industries	2021-2025	 - AMS - ASEAN-CCI,ABF - ASWGAC - ASWGC - ASWGFi - ASWGL - ASEC - ADB, FAO - Others to be determined
	5.1.1. Prepare roadmaps for demand-oriented agri-based and food regional value chains involving organizations of small-scale farmers,	 Roadmaps for developing agri-based regional supply chains Pre-feasibility studies and investment opportunities prepared 	2021- 2025	- AMS - ASEAN-CCI,ABF - ASWGAC - ASWGC - ASWGFi

disseminate investment opportunity information particularly for SMEs, and facilitate the coordination of investments based on public – private as well as public – community partnerships along agri-based regional value chains			 ASWGL ASEC ADB, FAO Others to be determined
5.1.2. Support the development of agri-based and food regional supply chain through closer public-private sector partnerships	 Effective agri-based and food regional supply chain Greater investment in agri-based and food regional supply chain 	2018-2020	 AMS ASEAN-CCI,ABF ASWGAC ASWGC ASWGFi ASWGL ASEC ADB, FAO Others to be determined
5.1.3 Support the implementation of the ASEAN Guidelines on Promoting Responsible Investment in Food, Agriculture and Forestry	- Greater responsible investment in food, agriculture and forestry	2021-2025	 AMS All relevant WGs under SOM AMAF Partners
Strategic Thrust 6. Identify and address emerging is			
Output 6.1. Implications of long-term bio-energy develo	ppment on food security identified	2016 – 2025	 AMS ASEC FAO Others to be determined

	6.1.1. Conduct a study on the long-term implications of bio- energy development and food security in AMS.	- Study on the long-term implications of bio- energy development and food security in ASEAN region	2022	- AMS - ASEC - FAO - Others to determined	be
Output 6.2. Introduc	ing Climate smart agriculture in AN	IS	2021 – 2025	 AMS ASEC FAO Others to be determined 	
	6.2.1. Pilot testing of technologies and practices (such as conservation agriculture, SRI, integrated crop-livestock, organic agriculture, drought and flood tolerant varieties of crops and etc.) within the climate smart agriculture approach in ASEAN.	 Appropriate climate smart agriculture technologies and practices piloted 	2021-2025	- AMS - ASEC - FAO - Others to determined	be
<i>Output 6.3.</i> Impacts	of demographic structural changes	and urbanization on food security identified	2021 – 2025	 AMS ASEC FAO Others to be determined 	
	6.3.1. Conduct a study on the long-term implications of demographic structural changes (gender, younger people moving out of	 Long-term implications of demographic structural changes identified 	2021-2023	- AMS - ASEC - FAO - Others to determined	be

agriculture, conversion or agricultural land, urbanization food trade and industrialization on food security in ASEAN. 6.3.2. Development of set or recommendations or proposed options in responding to the implications of demographic and urbanization structura change. 6.3.3. Promote coherence in policy making and prioritization or policies, plans, programmes and funding to tackle double-burder of malnutrition and food insecurity among vulnerable and	- Set of options and recommendations introduced	2021-2025	- AMS - ASEC - FAO - Others to be determined
food insecure populations Strategic Thrust 7. Utilize Nutrition Information to su		ure policies	
<i>Output 7.1.</i> Key nutrition information and indica development identified/ defined	tors for food security monitoring and policy	2021-2025	 - AMS - SOM-AMAF - SOMHD - ASEC - AFSIS - FAO - Relevant Academe and Institutions - Other to be determined

	7.1.1. Conduct regional workshops to identify/define key nutrition information and indicators, collection/compilation methodologies required for regular food security monitoring and policy development	 Regional consultative meeting on nutrition information and collection/compilation methodologies conducted Set of harmonized nutrition indicators with corresponding methodologies defined, frequency of collection and agreed 	2021-2025	 AMS SOM-AMAF SOMHD ASEC AFSIS FAO Relevant Academe and Institutions Other to be determined
	7.1.2. Periodic monitoring and reporting on the status of food and nutrition indicators by AMS		0004 0005	-
Output 7.2 Nutrition mechanisms		integrated into AFSIS and or other relevant	2021-2025	 AMS SOM-AMAF SOMHD ASEC AFSIS FAO Relevant Academe and Institutions Other to be determined
	7.2.1 Conduct a study for the development and pilot testing of nutrition information module for integrating into AFSIS and or other relevant mechanisms	- Nutrition information module developed, tested and shared with countries with the appropriate training	2021-2025	- AMS - SOM-AMAF - SOMHD - ASEC - AFSIS - FAO

			 Relevant Academe and Institutions Other to be determined
<i>Output</i> 7.3 Utilization of Nutrition information in food s	ecurity policies	2021-2025	 - AMS - ASEC - AFSIS - FAO - Relevant Academe and Institutions - Other to be determined
7.3.1.Improve and or strengthen the ASEAN Food Security Information System with relevant nutrition information	 Capacity building through training, hands on practice, on the job training and etc. 	2021-2025	 AMS ASEC AFSIS FAO Relevant Academe and Institutions Other to be determined
7.3.2. Develop nutrition- enhancing policy briefs for reporting to relevant ASEAN Sectoral Bodies	 Nutrition-enhancing policy briefs developed, disseminated and utilized 	2021-2025	 AMS ASEC AFSIS FAO Relevant Academe and Institutions Other to be determined

<i>Output 8.1.</i> Awareness and recognition on importance agriculture and forestry	of nutrition by key stakeholders of food,	2021-2023	 - AMS - ASEC - FAO - Relevant Academe and Institution - SOM HD as partner - Other to be determined
8.1.1. Develop and distribute awareness raising materials targeting at key stakeholders of food, agriculture and forestry on the importance scaling up nutrition-sensitive enhancement in agriculture and food security	- Awareness raising materials such as brochures, policy briefs, videos and other knowledge products developed and distributed	2021-2023	 - AMS - ASEC - FAO - Relevant Academe and Institutions - Other to be determined -
8.1.2. Conduct national and regional event(s) for nutrition awareness raising	 Nutrition awareness raising activities conducted Nutrition education at different levels for various stakeholders implemented 	2021-2025	 AMS ASEC FAO Relevant Academe and Institutions Other to be determined
<i>Output 8.2.</i> Policies and mechanisms for AMS suppo	rted.		- AMS - ASEC - FAO and other development partners
8.2.1. Conduct annual consultation between SOM-	 Consultative Meetings among relevant ASEAN Sectoral Bodies on food security 	2021-2025	- AMS

AMAF and other relevant ASEAN Sectoral Bodies for better integration and coordination on food security and nutrition with support from development and dialogue partners.	 and nutrition cooperation regularly conducted Policy brief on coordinating food security and nutrition in ASEAN developed; Synergy matrix that comprises the possible areas of contribution and collaboration from different sectoral bodies elaborated; Operational plan elaborating common principles of designing and implementing coordinated food security and nutrition policies, strategies and program formulated; Study/research to create mechanism to share information amongst stakeholders conducted 		- ASEC - FAO and other development partners
8.2.2. Facilitate policy dialogue in support of Food Security and Nutrition governance and coordination, which is more inclusive of all relevant stakeholders of food, agriculture and forestry, and the institutional arrangements/modalities.	 Consultative meetings/forums among various stakeholders (i.e. development and dialogue partners, private sector, CSOs, academes, etc.) in promoting nutrition —enhancing development conducted 	2021-2025	 AMS ASEC FAO and other development partners
8.2.3.Establish key and strategic partnerships to enhance national and regional capacity building, policy dialogue and consensus building as well as advocacy among AMS and other stakeholders to address	- Key and Strategic Partnerships alliances established at national and regional level	2021-2025	 AMS ASEC FAO and other development partners

	problems of food security and nutrition in the region.			
Strategic Thrust 9 implementation, m	 Develop and strengthen nutrition onitoring and evaluation 	n-enhancing food, agriculture and forestry polic	ies/programs ar	nd build capacity for their
Output 9.1. Nutriti and strengthened		orestry policies and programmes developed	2021-2025	 - AMS - ASEC - SOM HD as partner - FAO and other development partners - ASC
	9.1.1 Develop capacity to mainstream nutrition in sectoral and cross-sectoral policies and programs related to food, agriculture and forestry	 Seminar/ workshop for integrating nutrition conducted 	2021-2025	 AMS ASEC FAO and other development partners ASC
	9.1.2. Conduct various studies, workshop(s) to enhance capacity for policy makers/officers in formulating nutrition-enhancing food, agriculture and forestry policies, strategies and investment programs	 Seminar/Workshop conducted Various Studies carried out 	2021-2025	- AMS - ASEC - FAO and other development partners - ASC
	9.1.3 Develop policy guidelines and tools for formulating national and regional nutrition-enhancing sectoral and cross-sectoral policies and programs related to food, agriculture and forestry	 National and Regional nutrition-enhancing policy guidelines and tools developed 	2021-2021	- AMS - ASEC - FAO and other development partners - ASC

9.1.4. Encourage and facilitate AMS in using the national dietary guidelines as one of the basis for forecasting/ planning of food supply in ensuring food and nutrition security for the population.	-		-	
Output 9.2. Capacity for implementing, monitoring an agriculture and forestry policies, strategies and progra		2021-2021	 AMS ASEC FAO and oth development partners ASC 	her
9.2.1. Develop guidelines and tools for implementing, monitoring and evaluating national and regional nutrition- enhancing sectoral and cross- sectoral policies and programs related to food, agriculture and forestry	 Various Guidelines and tools for effective implementation have been developed Appropriate M&E systems have been introduced 	2021-2025	 AMS ASEC FAO and oth development partners ASC 	her
9.2.2 Capacity building on implementation and monitoring and evaluation of policies, strategies and programs	- Capacity building efforts (training, institutional strengthening, on-the job coaching and etc.) carried out	2021-2025	 AMS ASEC FAO and oth development partners ASC 	her
Output 9.3 Various programs related to nutrition-enhan implemented, monitored and evaluated	cing food, agriculture and forestry identified,	2021-2025	- AMS - ASEC	

			 FAO and other development partners ASC
9.3.1 Identification and implementation of priority actions, including monitoring and evaluation	- Priority programs with support from development partners and donors identified and implemented	2021-2025	 AMS ASEC FAO and other development partners ASC