

NORM of Task: development of national food composition database

NORM OF TASK is a required level of achievement for a task.

Applying this concept to ASEANFOODS activities on development of national and regional FCD system, it could be used as a tool to increase effectiveness of activities along the road map of achievement. Norm of each activity could be set at a definite year and could be moved upward in accordance with the progress of activities among the ASEANFOODS members.

	Data Generator	Data compiler	Data user	Data Quality	Data dissemination
1. NATIONAL COMMITTEE					
Malaysia	✓	✓	✓	✓	✓
Myanmar	✓	✓	✓		✓
Philippines	✓	✓	✓	✓	✓
Singapore		✓	✓	✓	✓
Thailand	✓	✓	✓	✓	✓
Vietnam	✓	✓	✓	✓	✓

2. SAMPLING PLAN	Written document: what, where, how, number, amount, frequency, season, etc						
Malaysia	✗	Plan for each project (effective with the harmonization of sampling and methods of Malaysian FCD)					
Myanmar	Unkonwn values & commonly consumed	Collected from study site	Explored by FFQ	2-5 samples per one item	About 100 gram	Ad hoc, Not routine Based on research projects	Not focus on seasonal variation
Philippines	ASEAN-FOODS Guide	10 sampling points	No written doc				
Singapore	X	Discussion with commissioned lab					
Thailand	✗	Plan for each research project					
Vietnam	✗	Plan for each research project					

3. SAMPLING	SOP	Sampling forms*	Sample identification	Photograph	Sample handling: package and condition		
Malaysia	✘	✓	✓	Sometimes	✓	Implemented for revised FCD 2011	
Myanmar				✓	✓		
Philippines	✓	✓	✓	✓	✓		
Singapore	No forms involved. Work closely with commissioned lab on sampling (e.g. product identification). Photos are taken by lab.						
Thailand	✘	✓ not regularly used	✓	✓	✓	Procedure was reported in each research project, general information is available in Thai FCTs	
Vietnam	✘	✓	✓	Sometimes	✓		

4. SAMPLE PREPARATION	SOP	Single sample	Single-composite sample	Multiple composite sample	Complete description of sample	Analyse immediately	Analysed after storage
Malaysia	some products		✓	Some	✓	Moisture/vitamin C	Other nutrients
Myanmar			✓		✓	Rare	✓
Philippines	with record since 2006		✓		✓	moist/vitC/sugar	
Singapore			✓		✓		Typically after storage (freeze -18°C)
Thailand	some products		✓	Rare	✓	Moisture/vitamin C preserved in MPA	Other nutrients
Vietnam	✘		✓			Moisture, vitamin C, sugar	Other nutrients

5. NUTRIENT ANALYSIS	Standard method	Method validation	Use of CRM	In-house QC sample	Percent Recovery	Duplicate analysis	Laboratory accreditation
Malaysia	✓	Most	1-2 times/y	✓	Vitamin	✓	proximate, (sugars, vit B1, B2, cholesterol, mineral-ICP)
Myanmar	✓				vitamin	✓	
Philippines	✓	✓	PT/RMs	✓	Minerals/vitamins	✓	
Singapore	✓	✓	approx. once in 2 y	✓	not usually	✓	✓
Thailand	✓	Most	1-2 times/y	✓	Vitamin	✓	proximate, (sugars, vit B1, B2, cholesterol, mineral-ICP)
Vietnam	✓	✓	Rare	✓	vitamin, trace elements	✓	proximates, vitamin A, B1, Ca, P, Zn

6. NUTRIENT DATABASE AVAILABLE	Proximate composition	Minerals	Vitamins-water soluble	Vitamins-fat soluble	fatty acids	Cholesterol	Sugars	Amino acids	Others - specify
Malaysia	✓	✓ (not all)	✓ (not all)	✓ (except vit k)	✓ (some)	✓ (some)	✓ (some)	✓ (some)	
Myanmar		Ca, Fe, P	B1, B2, Niacin, C	Retinol, β-carotene					
Philippines	✓	✓	✓	✓					
Singapore		✓	✓	✓	✓				
Thailand	✓	✓	✓	✓	✓ (some)	✓ (MOPH)	✓ (some-processed food)	✓ (MOPH)	
Vietnam	✓	✓	✓	✓	✓	✓	✓ (total sugar)	✓	isoflavones, carotenoids

7. TYPE OF AVAILABLE FCD	Analysed data	Borrowed data	Calculated data	
Malaysia	✓		✓ (Energy, protein, CHO)	
Myanmar	✓	✓	✓	
Philippines	✓		✓ (Energy, protein, CHO, Total Vit A (RE))	
Singapore	✓	✓	✓	
Thailand	✓	✓ (in INMUCALdata base)	✓ (Energy, protein, CHO)	
Vietnam	✓	✓	✓	

8. DATA QUALITY ANALYSIS	Yes	No	Criteria 1. Sampling plan	Criteria 2. Number of samples	Criteria 3. Sample handling	Criteria 4. Analytical method	Criteria 5. Analytical quality control
Malaysia	some		✓	✓	✓	✓	✓
Myanmar	Some		✓	✓	✓	✓	
Philippines	✓		✓	✓	✓	✓	
Singapore	✓		✓	✓	✓	✓	✓
Thailand	some		✓	✓	✓	✓	✓
Vietnam	✓		✓	✓	✓	✓	✓

9. DATABASE DEVELOPMENT	Data reviewing	Data Aggregation	Data Scrutinisation	Data evaluation	
Malaysia	✓	✓	✓	✓	
Myanmar	✓	✓	✓		
Philippines	✓	NA	NA	NA	
Singapore	✓	✓	✓	similar to reviewing?	
Thailand	✓	✓	✓	(✓)	
Vietnam	✓	✓	✓	✓	

10. TYPE OF DATABASE	Achival record	Reference database	User database	Hard copy	Electronic database	Software	
Malaysia				✓	Nutriweb (1997 FCD)		
Myanmar	✓				Excel Format		
Philippines							
Singapore				✓	Online; Excel	In-house system	
Thailand	✓	✓	✓	✓	MOPH (pdf file)	INMUCAL	
Vietnam				✓			