



## National Mapping and Resource Information Authority

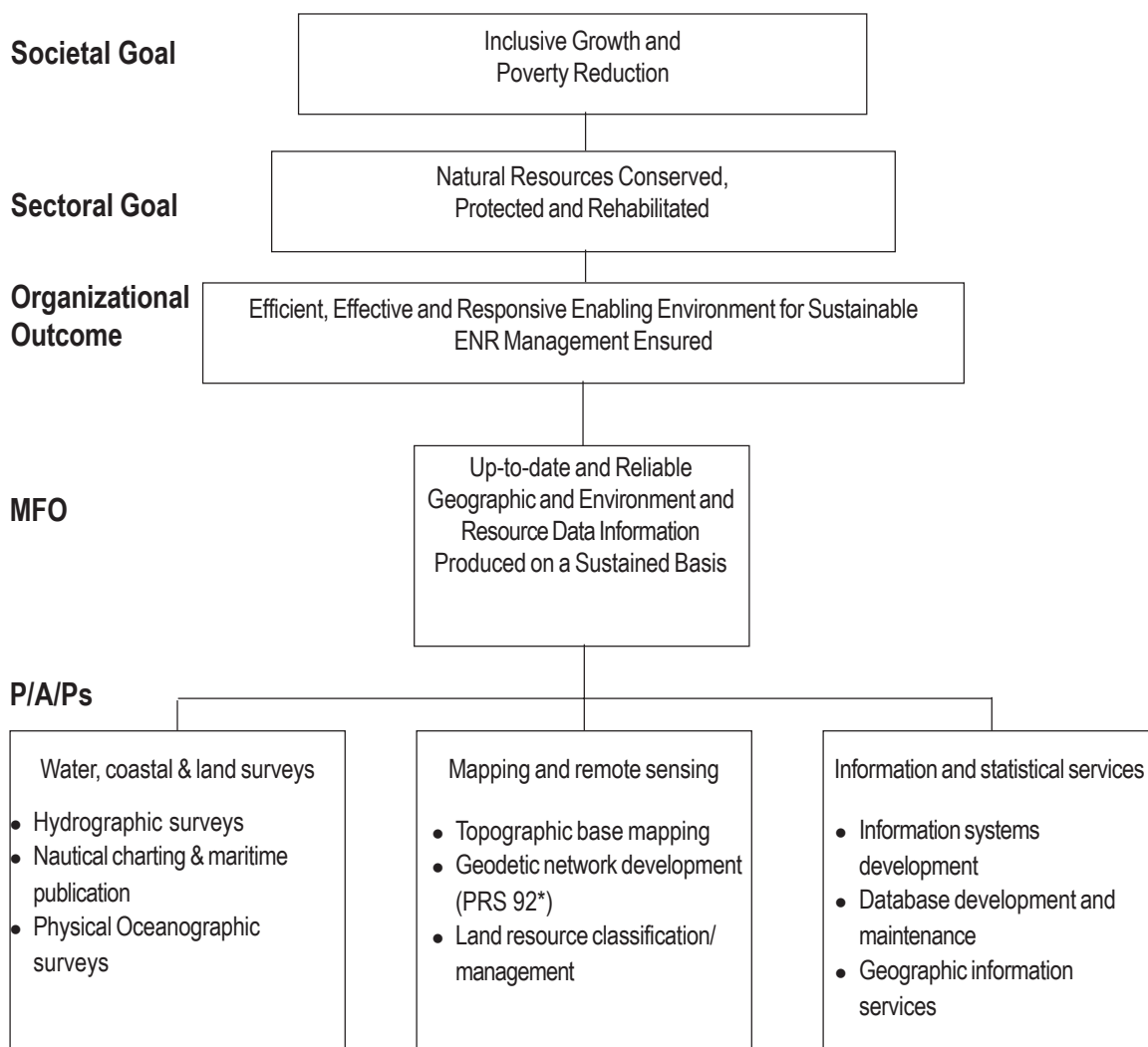
### Legal Basis

- **Executive Order No. 192** (June 10, 1987) created the National Mapping and Resource Information Authority (NAMRIA), integrating into it the functions and powers of the Natural Resources and Management Center (NRMC), the National Cartography Authority (NCA), the Bureau of Coast and Geodetic Survey (BCGS), and the Land Classification Teams of the then Bureau of Forest Development (transformed into a Forest Management Bureau performing staff functions).
- **Administrative Order No. 16** (July 5, 2011) directing all government entities to coordinate with and secure clearance from NAMRIA in the acquisition of data from airborne and spaceborne platforms such as aerial photographs and satellite imageries, and other related products and services for mapping purposes.

### Mandate

The National Mapping and Resource Information Authority (NAMRIA) is the government's central mapping agency, depository and distribution facility for natural resources data of the country. It is responsible for the establishment of a nationwide geodetic network of control points that serves as common reference system for all surveys in the country. It conducts research on remote sensing technologies and generates vital data/information on environment, land and water resources needed by government agencies and other entities such as the private sector and local government units for development planning, environment and natural resource management, and delineation of maritime territories.

## LOGICAL FRAMEWORK (NAMRIA)



\* Philippine Reference System of 1992, "new" geodetic control network adopted as the standard reference for all surveying and mapping activities pursuant to EO 45 dated January 5, 1993. Aside from upgrading the old survey system, it adopts mathematical spatial language for more effective and accurate referencing system, consistent with universal operations of mapping and surveying activities.

## PERFORMANCE MEASURES AND TARGETS

(Amounts in Thousand Pesos)

Particulars	FY 2010		FY 2011	FY 2012
	Target/ Amount	Actual/ Amount	Target/ Amount	Target/ Amount
<b>MFO 1</b>				
<b>Up-to-date and Reliable Geographic, Environment and Resource Data Information Produced on a Sustained Basis</b>	<b>765,159</b>	<b>829,436</b>	<b>681,764</b>	<b>926,273</b>
ENR-related database, maps, charts, geographic information, statistics, technologies, and other information for policy, planning, legislation and extension services regularly generated, updated and reproduced/made available				
Hydrographic Survey				
Exclusive Economic Zone continental shelf and archipelagic waters surveyed	60,000 sq. km.	29,306 sq. km.	0	0
Sealanes and Navigational routes surveyed	4,000 sq. km.	0	0	0
Ports and harbors surveyed	3 ports/harbors	2 ports/harbors	3 ports/harbors	7 ports/harbors
Survey vessels maintained	2 (no.)	2 (no.)	2 (no.)	2 (no.)
Magnetic Observatory upgraded	1 (no.)	1 (no.)	1 (no.)	1 (no.)
Nautical Charting and Maritime Publication				
Nautical charts compiled and updated	12 (no.)	11 (no.)	18 (no.)	21 (no.)
Electronic Navigational Charts published	6 (no.)	7 (no.)	9 (no.)	22 (no.)
Navigational Materials published	12 NTMs 2 volumes (CPB)	12 NTMs 2 volumes (CPB)	12 NTMs 4 chapters (CPB)	12 NTMs 4 chapters (CPB)
	100 LOL / 2,000 TCT	100 LOL / 2,000 TCT	100 LOL / 2,000 TCT	100 LOL / 2,000 TCT
Physical Oceanographic Surveys				
Tide Stations maintained	12 (no.)	12 (no.)	12 (no.)	12 (no.)
Data Center maintained	1 (no.)	1 (no.)	1 (no.)	1 (no.)
Topographic Base Mapping				
Large-scale maps updated (1:10,000 mapscale)	51 comp. / 17 prod.	51 comp. / 17 prod.	23 comp. / 44 prod.	40 comp. / 40 prod.
Orthophoto maps produced	14	14	60	60
Medium-scale maps updated and produced (1:50,000 mapscale)	21	21	34	34
Administrative maps revised/produced	1	68%	2	2
Mapsheets reprinted/reproduced	100	107	100	100
Geodetic Network Development (PRS'92)				
Geodetic Control Points established	6 (no.)	6 (no.)	153 (no.)	0
Geodetic control points (GCP) reobserved	50	50	300	100
Inter-Island Connection established	3 (no.)	3 (no.)	1 (no.)	0
Line-km leveled	44 kms.	60 kms.	371 kms.	1,000 kms.
1 <sup>st</sup> order level lines established	144 kms.	144 kms.	1,000 kms.	500 kms.
Benchmark connection established	0	0	166	0
Active Geodetic Stations established	1 (no.)	1 (no.)	3 (no.)	3 (no.)
Tide Stations established and maintained	6 (no.)	6 (no.)	47 (no.)	47 (no.)
Gravity stations established	30 (no.)	31 (no.)	500 (no.)	300 (no.)

Particulars	FY 2010		FY 2011	FY 2012
	Target/ Amount	Actual/ Amount	Target/ Amount	Target/ Amount
*Includes fund releases from Special Purpose Funds (SPFs)				
Geodetic Network Information Systems (GNIS) maintained Operation Center established	16 regional & 2 national sites 0	16 regional & 2 national sites 0	16 regional & 2 national sites 1	16 regional & 2 national sites 0
Repeat stations observed	12 (no.)	12 (no.)	12 (no.)	12 (no.)
Magnetic stations	1 (no.)	1 (no.)	1 (no.)	1 (no.)
Land Resource Assessment and Mapping				
Area surveyed classified as alienable / disposable and forestlands	8,000 has	10,749 has	0	0
Provinces evaluated/mapped (forestlands)	0	0	22 (no.)	12 (no.)
Provinces evaluated/mapped (land cover)	0	0	30 (no.)	20 (no.)
Coastal resource maps produced	0	0	25 (no.)	25 (no.)
Provincial ENR data integrated	2,596,237 lots	690,551 lots	1 lot	1 lot
Maps of low-lying areas produced	0	0	38 (no.)	92 (no.)
Information Management and Statistical Services				
Application Systems developed	3 (no.)	3 (no.)	3 (no.)	3 (no.)
Database/metadata created	3 (no.)	3 (no.)	2 (no.)	2 (no.)
Extended Continental Shelf				
Area surveyed/delineated	2,000 sq. km.	11,000 sq. km.	2,000 sq. km.	0
Defense of ECS reports to UNCLOS	2 reports	2 reports	1 report	2 reports
<b>TOTAL</b>	<b>765,159</b>	<b>829,436*</b>	<b>681,764</b>	<b>926,273</b>

## FY 2012 MFO BUDGET

### By MFO/By Expense Class (In Thousand Pesos)

Particulars	PS	MOOE	CO	TOTAL
<b>MFO 1</b> Up-to-date and reliable geographic, environment and resource data information produced on a sustained basis	263,071	511,940	151,262	926,273
<b>% Share</b>	<b>28.40%</b>	<b>55.27%</b>	<b>16.33%</b>	<b>100.00%</b>

### By Expense Class (Total Budget = P926,273,000)

