

National Mapping and Resource Information Authority
Physical Performance Report
As of January 31, 2020

Program: Hydrographic and Oceanographic Surveys and Nautical Charting						
Key Programs/Activities/Projects (P/A/Ps) and Performance Indicators	TARGETS		ACTUAL	Percentage (%) of Accomplishment	Reason for Under/Over Performance (Variance)	Catch-Up Plan/Strategy for the Second Quarter, FY 2020
	FY 2020 (Annual)	January 1-31 (First Quarter)	As of January 31, 2020			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
1. Hydrographic Surveys		1.83	1.74	95.08		
1. Exclusive Economic Zone	4,000 sq km (4,800 km sounding lines) (West Philippine Sea/Philippine Rise)					
2. Archipelagic Waters/Sealanes	5,000 sq km (5,200 km sounding lines) (Vicinity of Panay Gulf/Mindoro)					
3. Ports and Harbors	3 Islands and 5 Ports					
4. Quality Control of Bathymetric Data	10 Bathymetric Data	10.00% (1 bathy data)	10.00% (1 bathy data)			
5. Maintenance and operation of survey vessels	4 survey vessels; 2 motor launches; 11 survey skiffs (3 Multi beam echo sounder (MBES); 8 Single beam echo sounder (SBES)					
6. Maintenance and Operation of Magnetic Observatory						
- Continuous geomagnetic data acquisition	7,320 hourly values per year	0.20% (36 hourly values)	0.20% (36 hourly values)			
- Magnetic Repeat Stations (MRS)	9 sets of magnetic information from MRS survey					
- Absolute magnetic observation at magnetic observatory	120 absolute information per year	0.80% (10 abs magnetic obsn)	0.24% (3 abs magnetic obsn)		The delay was due to observation of corrections.	Absolute observation will be accomplished in February 2020.
- Isogonic chart publication	1 printed Isogonic Chart					

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
2. Nautical Charting						
1. Data compilation and/or enhancement of nautical charts	8 Harbor charts	9.38% (5 charts)	9.38% (5 charts)			
	2 Approach charts					
	13 Coastal charts	10.77% (6 charts)	10.77% (6 charts)			
	1 EEZ Chart					
	2 General Charts	11.50% (1 chart)	11.50% (1 chart)			
	15 Master Charts	12.27% (8 charts)	12.27% (8 charts)			
2. Data compilation and Update of Electronic Navigational Charts (ENC)	10 ENCs compiled and updated	15.00% (5 charts)	19.00% (5 charts)			
3. Manual correction of printed nautical charts	2,000 charts	5.33% (200 charts)	5.33% (200 charts)			
4. Reproduction of nautical publications	6,000 nautical charts 2,000 copies (2021 TCTs)					
3. Maritime Publications and Support Services		5.62	5.62	100		
1. Publication of Navigational Warnings (NW) or Notices to Mariners (NTM)	NW emailed to NAVAREA XI Coordinator 12 NTMs emailed to clients	8.10% (NW/1 NTMs)	8.10% 100% (8) NW/(1) NTMs)			
2. Publication of Philippine List of Lights (PLL)	2021 Edition of PLL published	2.50%	2.50%			
3. Publication of Philippine Coast Pilot (PCP) Book	Vol. 2 7th Edition Manuscript for publication	3.50%	3.50%			
4. Delineation of municipal waters (MW)	100% coastal LGUs, NGAs provided technical assistance	8.40% (100% of LGUs, NGAs)	8.40% (100% (15 LGUs, NGAs)			

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4. Physical Oceanographic Surveys		6.77	6.77	100		
1. Maintenance of tide stations - Annual inspection and releveling	54 stations inspected and releveled					
2. Acquisition of physical oceanographic data						
2.1 Operation of tide stations (Sea level measurements, downloading of tidal data, and temperature, density & salinity measurements)	50 stations	2.08%	2.08%		Operation of Mariveles Tide Station was temporarily suspended due to port development.	Operation will resume once the development of the port is completed.
3. Data processing, analysis & prediction						
3.1 Processing of physical oceanographic data		25.00%	25.00%			
4. Oceanographic data management						
4.1 Updating and maintenance of NODC						
4.2 Preparation of Tide and Current Tables (TCTs) - Tide & Current Prediction manuscript - Quality Control - Printing	1 manuscript 1 manuscript 2,000 copies					
4.3 Provision of tidal information - Updating of tidal information on nautical charts - Provision and certification of oceanographic information	41 Nautical charts 100% of requests acted upon					

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Program: Mapping and Geodesy						
1. Large-scale Mapping		6.78	6.78	100		
a. Production of New-Series Large-Scale topographic base maps at 1:4,000 scale	360 mapsheets	10.00% (TOR & Bidding docs)	10.00% (TOR & Bidding docs)			
b. Unified Mapping						
b.1 Feature extraction for production of updated large-scale 1:10,000 topographic maps	1,800 mapsheets					
b.2 Quality assessment of 2019 outsourced line maps	1,500 mapsheets	4.25%	4.25%			
b.3 Large-scale (1:10,000) topographic database management and cartographic enhancement						
a. Topographic databasing	130 mapsheets	4.62% (12 map sheets)	4.62% (12 map sheets)			
b. Cartographic enhancement	55 mapsheets					
2. Medium and Small Scale Mapping		6.65	6.65	100		
A. Medium scale mapping (1:50,000)						
A.1 In-house (Feature extraction evaluation of vector data and cartographic enhancement)	45 mapsheets	4.00%	4.00%			
A.2 Contract Out (Feature extraction w/o enhancement)	45 mapsheets	16.67%	16.67%			
B. Small Scale Mapping (1:250,000)	5 maps	4.38%	4.38%			
3. Topographic Database Management		3.31	3.31	100		
A. Topographic Database Mapping	45 mapsheets	0.50%	0.50%			
B. Updating of the Philippine Gazetteer Project	1 Geographic Names Geospatial Database uploaded/encoded with 16 provinces	6.11%	6.11%			

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4. Administrative Mapping		5.00	5.00	100		
	12 maps (7 provincial; 5 regional)	5.00%	5.00%			
5. Map Printing and Reproduction		3.70	3.70	100		
1. Printing and Re-printing of topographic, administrative maps & nautical charts	130 maps/charts printed Special Publications: (5,000 shts Centennial Calendar; 3,000 pamphlets 2021 Planner; 13,000 shts 2021 Calendar; 2,000 books 2021 Tide & Current Tables (TCTs)	3.70%	3.70%			
6. Modernization of the Philippine Geodetic Reference System (PGRS)		23.40	23.40	100		
1. Establishment of AGS	4 AGS (Outsource)	2.00%	2.00%			
2. AGS Site selection	6 sites	4.00%	4.00%			
3. Maintenance of AGS	52 AGS	0.90%	0.90%			
4. GCP re-observation	363 GCPs (Outsource=228; In-house=135)	4.00%	4.00%			
5. Development of PGD 2020 (Distortion Model)	1 Model	2.00%	2.00%			
6. IEC	1 IEC	1.00%	1.00%			
7. Validation of Philippine Geoid Model	50 GCPs	2.50%	2.50%			
8. Releveling of BMs	500 kms (Outsource=450; In-house=50)	3.00%	3.00%			
9. Densification of gravity stations	500 GS	2.00%	2.00%			
10. GCP Maintenance	50 GCPs	2.00%	2.00%			

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Program: Resource Assessment and Mapping						
1. Forestland Evaluation and Mapping		5.00	5.00	100		
1. Land Classification of Unclassified Public Forest	4 Proposed LC maps	5.00%	5.00%			
2. Land Cover Mapping		4.00	4.00	100		
	18 provinces	4.00%	4.00%			
3. Coastal Resource Mapping and Assessment		5.14	5.14	100		
	14 provinces	5.14%	5.14%			
4. ENR Data Integration (Geospatial Data Integration)		3.00	3.00	100		
	10 provinces	3.00%	3.00%			
5. Participatory Mapping of Existing Land Uses		5.00	5.00	100		
	5 provinces	5.00%	5.00%			

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Program: Geospatial Information System Management						
1. Information System Development & Maintenance		4.50	4.50	100		
1. System Analysis	4 Systems analysed	4.00% (4 systems)	4.00% (4 systems)			
2. System Design	4 Systems designed					
3. Application Development	4 Applications developed					
4. System Implementation	4 Systems implemented					
5. System Maintenance	25 Systems maintained	0.50% (1 system)	0.50% (1 system)			
2. Geospatial Database Development & Maintenance		5.33	5.33	100		
1. Database Buildup	2 Database buildup	2.50% (2 database)	2.50% (2 database)			
2. Database maintenance	1 Database maintained	0.83% (1 database)	0.83% (1 database)			
3. Database design	4 Database designed	2.00% (4 database)	2.00% (4 database)			
4. LGU GIS Capability Assessment - LGU Capability Assessment Survey	2 Assessment Survey Reports					
5. Technical support - GIS Training	2 GIS Training Reports					
3. Geospatial Information Services and Production of NAMRIA Information, Education, and Communication Materials		10.00	10.00	100		
1. Media Production and Packaging	4 NAMRIA IEC materials published 100% events printed issues through Newscoop and graphic arts/ digital layout designs for significant events 1 Enhanced NAMRIA AVP Profile	1.25% (100% events covered)	1.25% 100% (1) Newscoop)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
2. Information dissemination and documentation	3 IEC 1 Updtd List of NAMRIA Products & Services 100% tour of facilities requests served 4 map and technology exhibits 100% requests served for photo and video documentation	1.40% (100% request served) (100% requests acted)	1.40% (100% (2) request served) 100% (6) photo and (2) video documentation)			
3. Geomatics Training	100% regular/special/MOA-based training programs conducted 1 PRC Accreditation 2019 NGTC Training Report prepared	3.75% (100% trainings condtd) (1 Report)	3.75% 100% (1) training) (1 Report)			
4. Client Services	100% clients served 7 Reports prepared 12 Monthly Sales Reports prepared 4 MSO Inventory Reports prepared 1 MSO Assembly conducted	3.60% (100% clients served) (2 Reports) (1 Monthly Sales Report)	3.60% 100% (521) clients) (2 Reports) (1 Monthly Sales Report)			
4. Information and Communications Technology Resource Management		5.84	5.84	100		
1. Maintenance of computer system	1 Updated list of ICT equipment 100% of computer systems (619) maintained semestrally A minimum of 95% operational monthly	2.09% (=>95% operational)	2.09% (99.98% operational)			
2. Network/Datacenter Maintenance and Administration	1 Network system operational at a minimum of 95% monthly	3.33% (=>95% operational)	3.33% (100% operational)			


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3. ICT Research and Analysis - Technology case study for NAMRIA Deployment and Utilization - ICT Resource Management Information System (ICTRM IS) Maintenance	1 Case Study 1 ICTRM IS	 0.42%	 0.42%			
LOCALLY-FUNDED						
NAMRIA Geospatial Data Infrastructure		5.00	5.00	100		
1. System Analysis	1 System analyzed	3.00% (1 System)	3.00% (1 System)			
2. System Design	1 System designed					
3. Application Development	1 Application developed					
4. System Implementation	1 System implemented					
5. System Maintenance	5 System maintained					
6. Database Maintenance	2 database maintained	2.00% (2 Database)	2.00% (2 Database)			

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