



Republic of the Philippines
Department of Education
Region X
DIVISION OF EL SALVADOR CITY



Zone 3, Poblacion, El Salvador City
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DIVISION MEMORANDUM

No. 256, s.2019

To: Curriculum Implementation Division Chief
Schools Governance and Operations Division
Senior High School Division Coordinator
Monitoring and Evaluation Specialists
Administrative Officer II (SHS)
Planning Officer III
Senior Education Program Specialist (HRTD)
Secondary School Principal – Cogon NHS
Secondary School In-charge – Molugan NHS
Senior High School Coordinator – Cogon NHS
Senior High School Coordinator – Molugan NHS
All Others Concerned

From: **JESNAR DEMS S. TORRES, Ph.D., CESE**
Assistant Schools Division Superintendent
OIC, Office of the Schools Division Superintendent

Subject: Corrigendum and Addendum to Division Memorandum No. 210, s.2019 re
Conduct of the National Data Gathering for the Comprehensive Tracer Study of
Senior High School Graduates of SY 2017 – 2018

Date: October 08, 2019

1. The field is hereby informed that the Conduct of the National Data Gathering for the Comprehensive Tracer Study of Senior High School Graduates of SY 2017 – 2018 is MOVED to October 26, 2019, 1:00P.M. at Molugan National High School, Molugan El Salvador City.
2. All provisions under Division Memorandum No. 210, s.2019 shall remain in effect.
3. Concerned school heads and coordinators are requested to be at Molugan NHS Principal's Office at 10:00A.M. for some debriefing prior to the conduct of the activity.
4. Attached to this Memo is BCD-SCPD-0-2019-788 (DM-CI-2019-317), participants' consent form, Schedule of activities, for your reference.
5. Wide dissemination of this memorandum is desired.

/fml



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BCD-SCPD-0-2019- 748

MEMORANDUM
DM-CI-2019- 317

TO : Minister of Ministry of Basic, Higher and Technical Education, BARM
Regional Directors of Region CAR, I, II, III, IV-A, VI, VII, VIII, IX, X, XI,
XII, CARAGA & NCR.

FROM : DIOSDADO M. SAN ANTONIO
Undersecretary for Curriculum and Instruction

SUBJECT : THE NATIONAL DATA GATHERING OF THE SENIOR HIGH
SCHOOL 2017-2018 GRADUATES TRACER STUDY

DATE : September 30, 2019

The Department of Education through the Bureau of Curriculum Development will conduct the **National Tracer Study of the Senior High School Graduates of SY 2017-2018**. The study aims to trace the status of the SHS graduates in 2018 with respect to the curriculum exits. More importantly, the findings of the study will serve as initial data for future researches relative to SHS program and basis for policy review/formulation to further improve the implementation of the K to 12 Basic Education Program.

Relative to this, below are the details of this Tracer Study.

1. Tracer Study's Research Questions and Research Methodology (Sample and Sampling Procedure, Matrix of the Research Objectives). Due to random sampling, not all regions, schools divisions and schools were included in the study. Refer to Enclosure A.
2. Terms of References of the CO, RO, SDO and Schools. Refer to Enclosure B.
3. National Data Gathering Schedule using the Survey Questionnaire and Focused Group Discussion. Refer to Enclosure C.

Should the NDG schedule coincide on holidays and/or weekends, the DepEd Personnel shall be entitled to service credits or compensatory time-offs following policies and regulations on these.

The DepEd personnel from BCD, Regional Offices, Division Offices and schools who will be involved on the data gathering are requested to take the cheapest possible transportation and expenses charged to their local funds subject to the usual government accounting, auditing rules and regulations.

Immediately after responding to the survey, each graduate respondent shall receive the amount of Php200.00 from the leader of the team of BCD specialists to cover the transportation assistance and meal allowance subject to the accounting and auditing rules and regulations.

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Bureau of Curriculum Development

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(02) 632-7746/636-5173

Pasig City 1600

A representative or BCD specialist will coordinate with your respective region, divisions and schools ahead of the schedule regarding the details of itinerary including their board and lodging and other matters.

We enjoin all concerned for the accurate gathering of data to insure the success of the study.

For any query related on the conduct of the activity, please contact **Mr. Enrique S. Palacio** or **Ms. Melanie C. Unida**, at 632-7746 or through melanie.unida@deped.gov.ph and enrique.palacio@deped.gov.ph.

Immediate dissemination of this memorandum is requested.

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Bureau of Curriculum Development

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BCA-SCPP-0-802

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SENIOR HIGH SCHOOL GRADUATES 2017-2018 TRACER STUDY
Participants' Consent Form

Dear SHS Graduate,

Greetings.

This is to inform you that we are conducting a Senior High School Tracer Study of the First Batch of Senior High School Graduates in SY 2017-2018. The study will determine the graduates' preference in the SHS Curriculum Exits (Higher Education, Employment, Middle Level Skills Development, and Entrepreneurship) and others.

Relative to this, we would like to invite you to be part of the group to represent the total population of the 2017-2018 SHS graduates and participate on the **National Data Gathering**.

Your participation will be highly appreciated. Rest assured that everything will be kept confidential and data will be used solely for the purposes of the study. If you agree to be one of our participants, please return this form by affixing your signature.

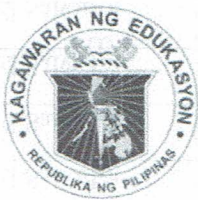
Thank you.

Yours truly,

JOCELYN DR ANDAYA 

Yes, I agree to participate in the National Data Gathering for the conduct of the SHS Graduates of 2017-2018 Tracer Study.

PARTICIPANTS' PRINTED NAME & SIGNATURE



ENCLOSURE C

Region	DIVISION	SHS Schools	Schedule of the Data Gathering
II	City of Ilagan	ISAT-Main & Rang-ayan NHS (Isabela NHS - Rang-ayan Annex)	October 12-16, 2019
I	Dagupan City	East Central IS & Pugaro IS	October 11-15, 2019
CAR	Kalinga	SHS in Lubuagan Kalinga & Cal-owan Agricultural Vocational National	November 4-8, 2019
4A	Cavite City	Cavite National High School & Sangley Point NHS	October 8-12, 2019
4A	Quezon	San Isidro National High School & Godofredo M. Tan Memorial School of Arts and Trades (Formerly San Narciso Voc. HS)	October 8-12, 2019
4A	Tayabas City	Tayabas City Division Stand Alone SHS	October 8-12, 2019
VII	Cebu	Balao NHS & Bitoon NVHS	October 21-25, 2019
VIII	Northern Samar	Marubay NHS & Catubig Valley NHS	November 18-22, 2019
VI	Sagay City	Sagay National HS-Lopez Jaena Ext. & Sagay National High School	November 18-22, 2019
VI	Passi City	Passi National High School & Salangan National High School	
VIII	Catbalogan City	Samar National School & Silanga NHS	November 18-22, 2019
VII	Bogo City	City of Bogo Science and Arts Academy & Jovencio N. Masong NHS	October 21-25, 2019
XI	Davao Oriental	Crispin E. Rojas National High School & Manay National High School	October 21-25, 2019
IX	Zamboanga Sibugay	Alicia NHS & Malangas NHS	November 25-29, 2019
CARAGA	Surigao City	Surigao City NHS & Zaragoza National High School	November 11-15, 2019
CARAGA	Dinagat Island	Don Ruben E. Ecleo Sr. MNHS & Dinagat School of Fisheries	
CARAGA	Bayugan City	Calaitan National High School & Noli National High School	
X	El Salvador City	Cogon NHS & Molugan	October 26-30, 2019



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		National High School	
NCR	Paranaque City	Paranaque National High School Main	October 18-19, 2019
NCR	Navotas City	Tangos National High School	October 20-22, 2019
XII	Koronadal City	Koronadal NCHS & Marbel 7 National High School	October 26-30, 2019
III	Munoz Science City	Munoz National High School & San Antonio Integrated School	October 15-18, 2019
X	Camiguin	Eulalio U. Pabillore National High School & Yumbing National High School	October 26-30, 2019
BARMM	Lamitan City	Lamitan National High School & Parangbasak National High School	November 25-29, 2019



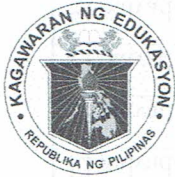
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ENCLOSURE B

**NATIONAL TRACER STUDY OF THE SENIOR HIGH SCHOOL GRADUATES OF
 THE SY 2017-2018**

**ROLES AND FUNCTIONS OF CO, RO, DO ON THE CONDUCT OF
 THE NATIONAL TRACER STUDY**

BEFORE	
CENTRAL OFFICE	Form the national technical working group who will take charge of the entire process of the national data gathering.
	Prepare and facilitate the release of all the necessary documents such Regional Memorandum, consent forms and communications relative to the conduct of the data gathering
	Coordinate with Regional Offices, School Division Offices and Schools for the submission of list of SHS graduates SY 2017-2018 which will be used for the sampling procedure.
	Collaborate with respective offices/bureaus in the Central Office with regards to the preparation and planning of the national data gathering
REGIONAL OFFICES	Form the regional technical working group who will assist the National Technical Working Group in the data gathering.
	Lead the Regional Office and the concerned school division offices with regard to the planning and preparation of the national data gathering
	Coordinate with the School Division Offices and Schools for the submission of list of SHS graduates SY 2017-2018 which will be used for the sampling procedure.
	Coordinate with the Divisions and Schools the invitation to the SHS graduates/respondents and schedule of the data gathering.
Schools Division Offices	Form the schools division technical working group who will assist the National Technical Working Group in the data gathering.
	Lead the Schools Division Office and the concerned schools with regard to the planning and preparation of the national data gathering
	Coordinate with the Central Office and Regional Office for the submission of list of SHS graduates SY 2017-2018 which will be used for the sampling procedure.
	Issues memo / letter requesting the concerned higher education institutions and companies to allow the concerned SHS graduates of SY 2017-2018 to participate in the national data gathering.
	Coordinate and facilitate to the School Head the invitation to the SHS graduates/respondents and date of the data gathering.
School	Form the schools technical working group who will assist the National Technical Working Group in the data gathering.
	Coordinate with the Central Office, Regional Office and Schools Division Office for the submission of list of SHS graduates SY 2017-2018 which will be used for the sampling procedure.
	Follow the issues memo / letter by the Schools Division Office requesting the

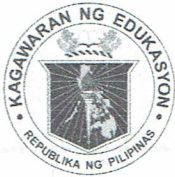


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	concerned higher education institutions and companies to allow the concerned SHS graduates of SY 2017-2018 to participate in the national data gathering.
	Invite and convene the randomly selected SHS graduates/respondents on the date of the data gathering.

DURING	
CENTRAL OFFICE	Meet the concern Regional Technical Working Group and the rest of concerned DepEd personel regarding the conduct of the national data gathering
	Orient the SHS graduates regarding the protocol of the national data gathering and the focus group discussion
	Facilitate the actual data gathering using the survey questionnaire and focus group discussion.
	Manage of the conduct of the actual data gathering using the survey questionnaire and focus group discussion
REGIONAL OFFICES/ SCHOOLS DIVISION OFFICES /SCHOOLS	Meet the National Technical Working Group and the rest of concerned DepEd personel regarding the conduct of the national data gathering
	Ensure that the invited SHS graduate- respondents are present
	Assist the Bureau of Curriculum Development in orienting the SHS graduates regarding the protocol of the national data gathering and the focus group discussion
	Assist the Bureau of Curriculum Development in the management of the conduct of the actual data gathering using the survey questionnaire and focus group discussion
	Assist the BCD specialists on the administration of the survey questionnaire and focus group discussion.

AFTER	
CENTRAL OFFICE	Secure and submit the accomplished survey questionnaire by the respondents to the research team.
	Prepare and submit the accomplished template of the focus group discussion both the printed and soft copy to the research team.
	Conduct debriefing with the Regional Technical Working Group and other concern DepEd Personnel
	Prepare and submit the report on the conduct of the data gathering in every division and schools.
	Issues Memo and letter to the concerned Regional Offices, Schools Division Offices and School who took part in the National Data Gathering
REGIONAL OFFICES	Assist the Bureau of Curriculum Development in securing the survey questionnaire by the respondents
	Assist the Bureau of Curriculum Development in securing the accomplished template of the focus group discussion both the printed and soft copy
	Attend debriefing conducted by the Bureau of Curriculum Development regarding the conduct of national data gathering



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	Receive the consolidated summary report on the conduct of the national data gathering
Schools Division Offices	Attend debriefing conducted by the Bureau of Curriculum Development regarding the conduct of national data gathering
	Consolidate the Summary of Report submitted by the School Heads
	Submit the consolidated Summary of Report to the Regional Office/CLMD Office and Central Office/Bureau of Curriculum Development
	Issue memo /letter of acknowledgement to the concerned higher education institutions and companies for allowing the selected SHS graduates of SY 2017-2018 who are studying/working with them to take part in the national data gathering.
School	Attend debriefing conducted by the Bureau of Curriculum Development regarding the conduct of national data gathering
	The School Head shall submit a one- page Summary of the Report of the data gathering his/her school.



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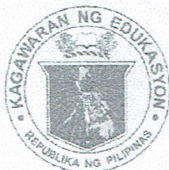
THE COMPREHENSIVE TRACER STUDY OF THE SENIOR HIGH SCHOOL GRADUATES OF 2017-2018

The research questions are:

1. What is the profile of the SHS graduates of 2017-2018?
2. Which track of the SHS program is most preferred by students?
3. What is the distribution of the SHS graduates in the curriculum exits?
4. What are the considerations of SHS graduates in selecting their SHS tracks?
5. What are the available support systems for SHS graduates to find employment, develop middle level skills and explore opportunities for entrepreneurship?
6. What policies, changes, solutions and innovations can be offered based on the result of the study?
7. Is there an association between NCAE results and curriculum exits?

MATRIX OF RESEARCH QUESTIONS

Research Question	Variables	Data Source	Questionnaire Items	Data Analysis
1. What is the profile of the SHS graduates of 2017-2018?	<ul style="list-style-type: none"> • Gender • NC level/ result • Civil Status • Age • Future Career plan • Influencer • NCAE result 	<ul style="list-style-type: none"> • Data through Survey instrument 	<ul style="list-style-type: none"> • Items 1-14 	<ul style="list-style-type: none"> • Descriptive Statistics
2. Which SHS program is the most preferred? Most in-demand curriculum exit?	<ul style="list-style-type: none"> • SHS program • Curriculum Exit • Reason for choosing the curriculum exit 	<ul style="list-style-type: none"> • DepEd data • Data through survey instrument 	<ul style="list-style-type: none"> • Items 8, 13 • Items 15, 36, 56, 68, 71 	<ul style="list-style-type: none"> • Descriptive Statistics
3. What is the distribution of the SHS graduates in the curriculum exits?	<ul style="list-style-type: none"> • Number of graduates under each curriculum exit 	<ul style="list-style-type: none"> • DepEd data • Data through survey instrument 	<ul style="list-style-type: none"> • Items 15-73 	<ul style="list-style-type: none"> • Descriptive Statistics
4. Is there an association between NCAE results and curriculum exits?	<ul style="list-style-type: none"> • NCAE Score • Curriculum Exit 	<ul style="list-style-type: none"> • The existing documents on individual results of NCAE on 2014-2015 	<ul style="list-style-type: none"> • Item 13 	<ul style="list-style-type: none"> • Correlation Analysis



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			• The tracer/survey questionnaire (Career Status)	
5. What are the considerations of the SHS graduates in selecting their track?	<ul style="list-style-type: none"> • SHS program • Influencer 	• Survey	• Items 8 and 9	• Descriptive Statistics
6. What are the available support systems for SHS graduates to find employment, develop middle level skills and explore opportunities for entrepreneurship?	<ul style="list-style-type: none"> • Resources, assistance • Curriculum exits 	• Survey	• Items 13, 16, 43, 58, 59,	• Descriptive Statistics
7. What policies, changes, solutions, or innovations can be offered based on the results of the study?	<ul style="list-style-type: none"> • Innovations on the nature of business • Self-identified lacking skills • Bridging programs 	• Survey	• Items 24, 25, 26, 27, 28, 35, 36, 37, 46, 65, 67, 72, 73, 75	• Descriptive Statistics

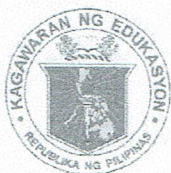
RESEARCH DESIGN

This tracer study will employ a Mixed-Methods Concurrent Triangulation Strategy as advocated by Creswell and Clark (2007), Johnson and Christensen (2004), Johnson and Onwuegbuzie (2004) such that the study may answer a broader and more comprehensive range of questions. Likewise, by integrating qualitative and quantitative approaches researchers circumvent the disadvantages and utilize the advantages of each approach. Utilizing both quantitative and qualitative approach can improve insights into and understanding of the data, which might be missed when using a single approach.

The quantitative phase of this research will be done through the conduct of the survey among randomly selected Senior High School students. The quantitative phase will be done through the conduct of focus groups whose respondents will be chosen from those chosen for the survey.

SAMPLING FRAMEWORK

The population size used in this tracer study is 646,857. This is derived from the total number of Senior High School graduates from the public schools (EMIS DepEd End-of-school-year report, 2018). The



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sample size of 2393 respondents of SHS graduates was computed using a margin of error of 2%, confidence level of 95%, and a response distribution of 50%:

$$n = \frac{N}{1 + Ne^2}$$

Where n = sample size
 N = population size (646,857)
 e = margin of error (2%)

The margin of error (also known as the confidence interval) measures the precision with which an estimate from a single sample approximates the population value. For instance, in a national voting survey the margin of error might be + or - 3%. This means that if 60% of the people in a sample favor Juan dela Cruz, you could be confident that, if you surveyed the entire population, between 57% (60-3) and 63% (60+3) of the population would favor Juan dela Cruz. The margin of error in social science research generally ranges from 3% to 10% and is closely related to sample size (Kotrlík, et al., 2001; Suresh & Chandrashekara, 2012). A margin of error will get narrower as the sample size increases. The margin of error selected depends on the precision needed to make population estimates from a sample. This tracer study made use of a 2% margin of error, which already far beyond the ordinary practice and yields a greater sample size. The use of 1% margin of error is ordinarily observed in medical science research.

Prior to sampling, the whole country was stratified to four areas, namely: (1) Luzon, (2) Visayas, (3) Mindanao, and (4) National Capital Region island group. Proportionate stratification was used to determine the number of respondents per major area. With proportionate stratification, the sample size of each stratum (i.e., major area) is proportionate to the population size of the stratum. This means that each stratum has the same sampling fraction. Thus, the distribution of SHS graduates/respondents is proportional to the number of graduates in the major area (Table 1).

Table 1. Number of Respondents per Major Area

N= 646,857	Luzon	Visayas	Mindanao	NCR	Total
Total Number of Graduates	306,033	168,282	141,737	30,805	646,857
Sampling fraction	47%	26%	22%	5%	100%
Respondents per Area					
Proportional to the Total	1,132	623	524	114	2,393
Number of Graduates					

From each of the island groups, a simple random sample of six divisions, one division from each socio-economic cluster (i.e., districts 1 to 6). From each division, two schools were random selected. Respondents from each school was computed using proportionate stratification. Thus, the



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distribution of respondents per school is proportional to the number of graduates from the division (Table 2).

Table 2. Number of Respondents per School per Division

SES Class	Division	School	Respondent per School
Luzon			
1st	City of Ilagan	• ISAT-Main	229
		• Rang-ayan NHS (Isabela NHS - Rang-ayan Annex)	31
2nd	City of Dagupan	• East Central IS	48
		• Pugaro IS	26
3rd	Kalinga	• SHS in Lubuagan, Kalinga	26
		• Cal-owan Agricultural Vocational National High School	20
4th	Cavite City	• Cavite National High School	253
		• Sangley Point NHS	39
5th	Quezon	• San Isidro National High School	57
		• Godofredo M. Tan Memorial School of Arts and Trades (Formerly San Narciso Voc. HS)	110
6th	Tayabas	• Tayabas City Division Stand Alone SHS	199
Visayas			
1st	Cebu	• Balao NHS	15
		• Bitoon NVHS	50
2nd	Northern Samar	• Marubay NHS	8
		• Catubig Valley NHS	48
3rd	Sagay City	• Sagay National High School	38
		• Sagay National High School-Lopez Jaena Ext.	15
4th	Passi City	• Passi National High School	136
		• Salngan National High School	15
5th	Catbalogan City	• Samar National School	112
		• Silanga NHS	50
6th	Bogo City	• Jovencio N. Masong NHS	44
		• City of Bogo Science and Arts Academy	42
Mindanao			
1st	Davao Oriental	• Crispin E. Rojas National High School	20
		• Manay National High School	23
2nd	Zamboanga Sibugay	• Alicia NHS	42
		• Malangas NHS	20
3rd	Surigao City	• Surigao City NHS	53



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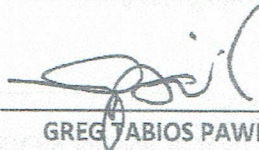
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		• Zaragoza National High School	4
4th	Dinagat Island	• Dinagat School of Fisheries	16
		• Don Ruben E. Ecleo Sr. MNHS	63
5th	Bayugan City	• Noli National High School	24
		• Calaitan NHS	7
6th	El Salvador City	• Cogon NHS	21
		• Molugan National High School	38
NCR			
1st	Paranaque	• Paranaque National High School Main	104
2nd	Navotas	• Tangos National High School	11
Others			
3rd	Koronadal City	• Koronadal NCHS	150
		• Marbel 7 National High School	23
4th	Munoz Science City	• Munos National High School (Annex)	67
		• San Antonio Integrated School	31
5th	Camiguin	• Eulalio U. Pabillore National High School	23
		• Yumbing National High School	31
6th	Lamitan City	• Lamitan National High School	21
		• Parangbasak National High School	6
3rd	Koronadal City	• Koronadal NCHS	150
		• Marbel 7 National High School	23
4th	Munoz Science City	• Munos National High School (Annex)	67
		• San Antonio Integrated School	31

In summary, the sampling frame involves layers of randomization:

- Random selection of the divisions in every class of the four major areas
- Random selection of the schools in every division
- Random selection of the names of the SHS graduates in every school

RESEARCH CONSULTANTS:


GREG TABIOS PAWILEN


RUFO GIL ZAleta ALBOR