

Region XII Advisory No. 87, 2022

In compliance with DepEd Order (DO) No. 8, s. 2013 this advisory is issued not for endorsement per DO 28, s. 2001, but only for the information of DepEd officials, personnel/staff, as well as the concerned public.

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December 7, 2022

22ND PHILIPPINE NATIONAL CHEMISTRY OLYMPIAD 2023 (22ND PNCO 2023) – REGIONAL ELIMINATIONS

This is with regard to the communication from the Philippine Federation of Chemistry Societies, Inc. (PFCS) with the Integrated Chemists of the Philippines-SOCCSKSARGEN Chapter Inc. (ICP-SOCCSKSARGEN) inviting participation of schools in the **22nd Philippine National Chemistry Olympiad 2023** (22nd PNCO 2023)-Regional Eliminations on **February 4, 2023 (Saturday)** via Remote Access Examination on Zoom Platform.

Each school is allowed a maximum of three (3) high school student contestants (preferably Grade 11) and three (3) coaches. The students will compete with each other to secure a spot in the top 5 among participants. The Top 5 winners will be the region's official delegates to the National Finals on March 4, 2023 (Saturday). The National winners thereafter will compose the Philippine delegation to the 55th International Chemistry Olympiad (ICHO 2023) which will be announced by PFCS. The ICHO 2023 will be held in-person on July 16-25, 2023 in Switzerland.

The school-designated lead coach shall accomplish the registration form not later than January 18, 2023, at <https://forms.gle/QDDv5HbEWJJJaYA4T7>.

Attached herewith are the Regional Guidelines for the contestants, invigilators, and proctors including the 22nd PNCO 2023 General Guidelines (National) and the official list of Regional Coordinators.

Further, **the participation of learners and teachers in the competitions and training shall not disrupt classes** under DepEd Order No. 9, s. 2005 titled *Instituting Measures to Increase Engaged Time-on-Task and Ensuring Compliance Therewith* and DepEd Order 34, s. 2022 *School Calendar and Activities for the SY 2022-2023*.

For queries, you may contact the 22nd PNCO 2023 Regional Organizing Committee at icpreg12@gmail.com or 09778257185.



ICP-SOX

Republic of the Philippines
INTEGRATED CHEMISTS OF THE PHILIPPINES
SOCCSKSARGEN Chapter
Brgy. Sto. Niño, City of Koronadal
South Cotabato, Philippines



SOCCSARGEN No. 2022-PH0000094-01

22nd Philippine National Chemistry Olympiad 2023 (22nd PNCO 2023) - Regional Eliminations

REGIONAL GUIDELINES FOR CONTESTANTS, INVIGILATORS, AND PROCTORS (REMOTE ACCESS EXAM)

1. IMPORTANT DATES

1. **Regional Chemistry Olympiad 2023: 04 February 2023 (Saturday) via Zoom at 7:30 AM-2:30 PM**
 - a. Registration: **02 January 2023 to 18 January 2023**
 - b. Orientation for Competing and Non-competing Participants: **21 January 2023 (Saturday) via Zoom at 2:00-4:00 PM**
 - c. Dry run: **28 January 2023 (Saturday)**
2. **22nd PNCO 2023 National Finals Registration: 15 February 2023 (Wednesday, until 11:59 PM)** – Regional Organizer must give the complete name of each contestant and e-mail address, the name of the invigilator including relationship to the contestant, e-mail address and contact number.

2. REGISTRATION

1. Registration Form link can be found in the invitation letter sent to schools for the event. This must be accomplished only by the coach of the contestants.
2. Registration to PNCO Regional Eliminations is FREE.

3. QUALIFICATIONS OF PARTICIPANTS

1. *Competing Participants*
 - a. **Contestant** - The contestant must be a Filipino citizen enrolled as a high school student at the time of the 22nd PNCO 2023 Regional Eliminations and National Finals. The contestant may take the exam at home or in school. Note also that the competing participant must not be enrolled/ registered as college student for the duration of the International Chemistry Olympiad on 16-25 July 2023 in Switzerland.
2. *Non-competing Participants*
 - a. **Invigilator** - The contestant's invigilator can be his/her parent, sibling, or any guardian physically present with him/her during the conduct of the remote access exam. The invigilator shall receive via email the exam questions and answer sheets for the student one hour prior to the five-hour exam period. The invigilator shall then print the exam materials and hand them over to the contestant. After the contestant has finished answering, the invigilator is given one hour to scan the answer sheets and send them as .pdf files to the Regional Organizing Committee in a manner specified in this document.

Note: If the student will take the exam in school, the invigilator may be any

non-science teacher or staff of the school.

- b. **Proctor** – Any ICP-SOX member (Regular and Associate) assigned to man a Zoom room for the conduct of the 22nd PNCO 2023 Regional Eliminations.
- c. **Coach** - Any chemistry or science teacher assigned as trainer to the contestant by an official of the academic institution. The coach has no direct participation on the day of the competition. If anything, he/she will only guide the contestant and invigilator in setting up the venue should the contestant take the exam in school.

4. EXAM MONITORING GUIDELINES

1. For every 9 contestants, a Zoom link will be provided which will be manned by one proctor. The Zoom link must be accessed by both the contestant and invigilator once the printing of the exam documents has been allowed at 07:30 AM on the exam day. The participants must open their video cameras (from a main recording device which can be a laptop/desktop) and be muted. Any concerns must be coursed through the chatbox **only by the invigilator** following a specific format to the proctor in the Zoom room.
2. The video must be focused on the area where the examinee will be seated. It should show the examinee, the documents he/she is writing on (even at a certain distance), and if possible, also show the perimeter of the room where the examinee is.
3. A second recording device, preferably a cellphone, must be used in case that Zoom will be disconnected from the main device. This second device must be **connected to mobile data** and record the entire event simultaneously in case the main recording device fails for any reason.
4. The whole event will be recorded on Zoom and the recordings can only be accessed by the 22nd PNCO 2023 Regional Organizing Committee.
5. The Zoom conference will end after the exam period at 2:30 PM.
6. Uploading of the answer sheets in separate google form links per question/part provided must be done immediately after 1:30 PM and can only be allowed until 2:30 PM.

5. BEFORE THE EXAM – 03 February 2023 (Friday)

Make sure that the contestants have prepared the area and all materials needed for the exam:

1. Area must be clean and void of clutter.
2. Devices (laptops, tablets, mobile phones, etc.) to be linked to the Zoom room for recording of the entire exam from PRINTING – UNTIL UPLOADING must be placed at a good vantage point.
3. Food and water are prepared in advance for both invigilator and contestant.
4. Materials of the contestant complete:
 - a. Pen, black - have extra pens ready.
 - b. NON-PROGRAMMABLE CALCULATOR -make sure battery is okay and a back-up calculator is in reach.
 - c. RULER
5. Printer - no need to be colored; good black and white quality print setting is enough; make sure that upon printing, figures and texts are clear.
6. Papers - A4 SIZE, provide extras.

7. Scanner – place the appropriate resolution setting; do test the appropriate resolution setting before 04 February 2023 (Saturday). The resolution must be for good reading, and clear images are seen on the screen upon scanning. It must be capable of conversion to .pdf format; again, test this beforehand.
8. Extra recording devices – fully charged and placed on appropriate areas to record the Zoom conference simultaneously with the main device. Time on the extra recording devices must follow Philippine Standard Time and must be similar to that of the main device used.
9. If possible, provide a WALL CLOCK that reflects the time similar to those of all recording devices.
10. Internet connection must be stable and have back-up (mobile data) in case it will be lost.
11. Attire – school uniform for contestants and smart casual or business attire for invigilators.

6. EXAM DAY – 04 February 2023 (Saturday, 07:30 - 08:30 AM)

A. FOR THE PROCTOR

A.1. ENTRY TO ZOOM ROOM, PREPARATION OF EXAM AREA, AND EXAMINEE'S NEEDS

- A.1.1. Allow the contestants and invigilators to enter the Zoom room at 07:30 AM. Verify their identities by instructing them to show their faces at a closer range and their IDs.
- A.1.2. Make sure that the cameras are properly set up, and the exam area is clean and void of clutter. Give instruction to the examinee to place the prepared meals and drink within reach. Emphasize to them that they can eat their meals while taking the exam. Check the pen, pencil, and calculators to be used. Other items such as unnecessary gadgets and devices must be removed by the contestant.
- A.1.3. Make sure that the exam papers are properly prepared by the invigilators.

Note: Both invigilator and contestant must be present during the event. Change of the listed invigilator will NOT be accommodated after 28 January 2023 (Dry Run). **If a different invigilator is present in the contest on 04 February 2023, the participant will be ineligible to join the event.**

B. FOR THE INVIGILATOR

B.1. RECEIPT AND PRINTING OF EXAM PAPERS

- B.1.1. Wait for the e-mail containing the questionnaire and answer sheets for the 22nd PNCO 2023 Regional Eliminations. This will be sent 1 hour before the start of the exam at 08:30 AM.
- B.1.2 When printing the question files. Please know that it contains the following parts:

1. Pages where the code is Q – stands for Question page.
2. Pages where the code is A – stands for Answer sheet page.

NOTE: NO WORKHEET PAGE WILL BE PROVIDED.

****IN THE EVENT THAT THE CONTESTANT NEEDS MORE SPACE FOR THE ANSWERS, THEY MAY USE A BLANK SHEET BUT THIS MUST BE PROPERLY LABELED BY THE CONTESTANTS AS "EXTRA ANSWER SHEET FOR Q" (INDICATE QUESTION NUMBER AND THE ITEM UNDER THAT SPECIFIC QUESTION), e.g. "EXTRA ANSWER SHEET FOR Q1.1.B" ****

B.2. SAFEKEEPING

B.3.1. Keep the documents collated in a folder (do not staple the documents) and keep in a safe spot without access from the contestant and/or any other person.

B.3.2. Do not in any way have contact/communicate anything regarding exam content with the contestant or any other person once you receive the exam.

B.3. AFTER PRINTING

B.2.1. Organize the printed pages following the page sequence. After a question comes an answer sheet for that question. Make sure that these are followed in sequence.

B.2.2 Make sure that the contents of the printed documents are complete. Double check them by verifying back to the DOWNLOADED FILE (try to view if the contents are similar).

C. FOR THE CONTESTANT

C.1. Eat a good meal that is enough and have some snacks ready for the main event.

C.2. Relax and just prepare the materials that you need for the exam:

a) Pen, black - have extra pens ready.

b) NON-PROGRAMMABLE CALCULATOR - make sure battery is okay and a back-up calculator is in reach.

c) RULER

C.3. During the exam only question pages and answer sheets will be provided by PNCO Regional Organizing Committee through your invigilator. Scratch work may be written at the back of the question pages but will not be included in the files to be scanned and sent to PNCO Regional Organizing Committee.

C.4. Make sure that all pertinent and relevant solutions are placed on the answer sheet provided by PNCO Regional Organizing Committee. Limit and if possible do not place your answers on any page that is not the answer sheet provided by the Committee.

7. DURING THE EXAM - 04 February 2023 (Saturday, 08:30 AM-1:30 PM)

A. FOR THE PROCTOR

A.1. After the questions and answers sheets have been printed and organized, signal START to the contestants at exactly 8:30 PST.

A.2. Constantly monitor if everything is working: the connection to the Zoom room and chatbox if the contestants are communicating with you.

A.3. The contestants and invigilators are allowed a 3-minute bathroom break which can only be availed twice (maximum) within the 5-hour exam. Make sure to record time intervals.

A.4. If you encounter any problem, technical or others, the PNCO Regional Organizing Committee shall address this concern. Kindly send them a private message.

A.5. Make sure to record the times of downloading, printing, scanning, and uploading of exam materials including the start and end of exam.

A.6. At 30 minutes before the five-hour exam period ends, signal that the remaining time is only 30 minutes.

A.7. At the end of the five-hour period, tell the contestants to stop and let the invigilators collect all exam documents.

B. FOR THE CONTESTANTS

B.1. Wait for the signal of the proctor that you can start answering the exam. You are not allowed to ask any questions about the exam. Read the guidelines from the exam documents provided.

B.2. Relax and focus only on taking the exam.

B.3. Do not use correction fluid/tape in erasing incorrect answers. Simply cross out the incorrect answer and DO NOT WRITE OVER IT. Indicate clearly what is your final answer.

B.4. If you wish to go for a bathroom break, you have to raise your hand and the proctor must approve that you go on a bathroom break through your invigilator. The contestants and invigilators are allowed a 3-minute bathroom break which can only be availed twice (maximum) within the 5-hour exam.

B.5 If you wish to request for anything, communicate with the invigilator so it can be attended to. Communication during the exam to the proctor and/or the Regional Organizing Committee must be done only by the invigilator. If you have further concern, raise this to your invigilator so he/she can forward it to the proctor assigned to your room.

B.6. You can have some snacks while taking the exam.

8. AWARDS

1. Each participant, coach, and invigilator shall be given certificate of participation.
2. Announcement of winners shall be done a week after in an awarding ceremony. Winners shall receive medals and framed certificates.
3. The top 5 contestants shall be the official delegates of Region 12 to the **22nd Philippine National Chemistry Olympiad 2023 (22nd PNCO 2023) - National Finals** to be endorsed by the ICP-SOCCSKSARGEN as Regional Coordinator.
4. The composition of the Philippine delegation to the 55th International Chemistry Olympiad (IChO 2023) shall be announced by Philippine Federation of Chemistry Societies (PFCS) according to the revised PFCS guidelines. IChO 2023 will be held in-person on 16-25 July 2023 in Switzerland.

ADDITIONAL RULES AND GUIDELINES FOR 22nd PNCO 2023 Regional FINALS ON 04 February 2023 (Saturday)

OFFICIAL CONTESTANTS:

1. Only those who will be able to join on or before 08:00 AM of 04 February 2023 (Saturday) in the Zoom room will be considered officially part of the 22nd PNCO 2023 Regional Eliminations.

Note 1: If both the invigilator and contestant are not in the Zoom room by 08:00 AM, the contestant can no longer participate in the 22nd PNCO 2023 Regional Eliminations.

Note 2: The contestant must be present once the invigilator has joined in the Zoom room. Please join at 07:15 AM to avoid delays in the verification process and the receipt of the questions.

2. If upon entering the meeting the contestant fails to show the proper video view for the contest, he/she will be asked to comply with the proper arrangement

before the questionnaire will be given to him/her. This will be allowed only until 09:00 AM of 04 February 2023 (Saturday). If the contestant has not complied yet beyond 09:00 AM, he/she will be deemed ineligible to participate in the 22nd PNCO 2023 Regional Eliminations and will be asked to leave the meeting.

Note: Shown in the figure below is the model video view that must be seen in the Zoom room by the proctor.

The view must include: the upper half body of the contestant, the writing table, the immediate surroundings of the contestant including the printer, scanner, or other devices to be used. The perimeter where the contestant will take the exam must be within the video the whole time. This guideline and set-up must be strictly followed as any irregularities will be ground for disqualification from the event.



3. If a contestant/invigilator fails to follow any of the guidelines however minor it may be, the proctor will be counting 3 instances of any disobedience or deviating actions by the participants. For each instance the proctor will give a warning through the tech support team/Zoom chatbox. If there will be another violation after the second instance (3rd violation) the contestant will be ineligible to continue in the contest and will be asked to stay for the remainder of the time for security purposes but will not anymore be considered a competing participant in the event.

ASKING QUESTIONS DURING THE CONTEST PROPER:

The proper channels for asking questions (by the invigilator only, not the contestant) are through the following:

1st OPTION: Invigilators may first ask questions through the Zoom chatbox and this will be answered by the Proctor concerned. DO NOT unmute and voice out your question because this will disturb the examinees.

2nd OPTION: If you suddenly lose connection to the Zoom room, you may send a message through Viber to the proctor assigned to your room. (Be sure to inquire about this at the start if you have not been included in the Viber group). If you will be sending

an inquiry, please indicate your **invigilator code**. For example: "INV001: Where do we submit the exam?"

3rd OPTION: If you do not have internet, you may text or call the mobile number of the proctor assigned to your room. They will immediately answer your concern. Please indicate your invigilator code upon texting or calling.

The proctor shall contact the 22nd PNCO 2023 Regional Organizing Committee in some cases when an urgent concern must be addressed regarding their contestant or other urgent matters about the event.

Your numbers will be kept confidential and will only be used for the purposes of the event.

If there are any rules that are not clear to the contestants, these must be clarified before 08:15 AM to the proctor in the Zoom room.

ROLE OF PROCTOR:

1. The proctors will be the main arbiters of the contest. They are the immediate authority to decide on whether the contestants have violated any guideline/rule of the event. They have the authority to deem the contestant ineligible due to violation or non-compliance after two (2) warnings. The third warning will be the last warning to be given. Upon committing a third violation, the contestant will no longer be considered in the competition but will need to stay in the meeting until the event finishes for security purposes.
2. The proctors will need to verify the identity of the contestants and invigilators before granting access to the questionnaire. Once the identities have been verified, the invigilators will receive the questionnaire and answer sheets sent to the official registered e-mail of the invigilators. A **Gmail account** is required for this.
3. The proctors will be the first to address any problems encountered. If the problem is too difficult to attend to, they will send the concern to the 22nd PNCO 2023 Regional Organizing Committee and will address the concern.
4. The proctors will need to check the submitted answer sheets if they are complete, in proper order, and readable. They must give immediate feedback if there is a need to re-upload a particular file.
5. Make sure that the invigilators have affixed the correct file name for each file of answer sheets that corresponds to that particular part of the exam. Please be guided by the table of contents to check the pages.

CONTEST RESULTS:

The contest results (checked papers) will not be made available to the participants. The judge's decision and grades will be deemed final. The judges will ensure that the checking process will be thorough to avoid biased distribution of points.

SUBMISSIONS, 04 February 2023 (Saturday, 1:30-2:30 PM):

1. For each part of the exam, the answer sheets have to be scanned by the invigilator into a **SINGLE** .pdf file per part and affixed the proper file name.



**PHILIPPINE FEDERATION OF CHEMISTRY SOCIETIES,
INC.
PHILIPPINE NATIONAL CHEMISTRY OLYMPIAD**



22PNCO203 MEMO – 001

FOR: ALL 22nd PNCO 2023 REGIONAL COORDINATORS

FROM: PNCO SECRETARIAT

RE: 22nd PNCO 2023 General Guidelines

DATE: 20 October 2022

Dear Coordinators,

Good day!

Please be guided by the General Guidelines for the upcoming 22nd PNCO 2023.

A. IMPORTANT DATES:

1. 22nd PNCO 2023 REGIONAL Eliminations: **04 February 2023 (Saturday)**
2. 22nd PNCO 2023 National Finals Registration: **15 February 2023 (Wednesday)**
3. 22nd PNCO 2023 National Finals Orientation: **18 February 2023 (Saturday)**
4. 22nd PNCO 2023 National Finals DRY RUN: **25 February 2023 (Saturday)**
5. 22nd PNCO 2023 NATIONAL FINALS (Remote): **04 March 2023 (Saturday)**

B. QUALIFICATIONS

The participants must be Filipino citizens enrolled as high school students at the time of the 21st PNCO 2022 Regional and National competitions. (Note: To qualify for IChO – International Chemistry Olympiad, students must not be enrolled/ registered as college students during the duration of IChO).

C. REGIONAL ELIMINATIONS

1. The 22nd PNCO 2023 Regional Eliminations will be held across the country on 04 February 2023 (Saturday) to be hosted by their respective Regional Organizer/s. The Region may hold the Eliminations on a later date as long as they will meet the deadline in registering the Regional delegates for the National Finals on or before 15 February 2023 (Wednesday).
2. Regional organizers have the authority to set their own modality on how to conduct the Regional Eliminations.
3. The regional organizers are expected to send out an invitation. Interested parties must feel free to inform the organizers of their intent to participate
4. A maximum of **three (3)** participants per school may register.
5. A school may have a maximum of three (3) coaches (one coach per student).

D. NATIONAL FINALS

1. The top **FIVE (5)** winners (Champion, 1st Runner-up, 2nd Runner-up, 3rd Runner-up and 4th Runner-up) in the Regional Eliminations qualify to compete in the 22nd PNCO 2023 National Finals on 04 March 2023 (Saturday).
2. Those who have participated in an IChO and who remain eligible for the same are automatically qualified to join the National Finals without having to compete in the regionals. This means that the schools whose student/s represented the Philippines in the previous year's IChO can still send a maximum of three other candidates to the regionals on top of the IChO participant.
3. Deadline for the submission of names of participants for the Nationals, to be endorsed by the Regional Coordinator, is on 15 February 2023 (Wednesday). Please provide the following details in the endorsement:



PHILIPPINE FEDERATION OF CHEMISTRY SOCIETIES, INC. PHILIPPINE NATIONAL CHEMISTRY OLYMPIAD



- Date of Regional Eliminations, Modality
- Number of Regional Student – Participants and School – Participants
- Name of Student, School, Rank, email, contact number, copy of school ID, copy of ID Picture
- Name of School Coach, email, contact number, copy of ID picture
- Name of Invigilator, relation to the student, email, contact number, copy of ID picture

Note: Submission of school ID and ID picture is via Google Forms. Filename format for ID / picture.

- Student ID: Region_Name of Student_School Abbreviation
- Student picture: Region_Name of Student
- Coach ID: Region_Name of Student_Coach
- Invigilator ID: Region_Name of Student_Invigilator

E. CONTEST COVERAGE:

Matter and its properties	Electronic Structure and Periodicity	Thermochemistry
Measurements	Chemical Bonding - Ionic Bonds	Chemical Kinetics
Atoms, Molecules, and Ions	Covalent Bonds	Chemical Thermodynamics
Stoichiometry	Organic compounds	Chemical Equilibrium
Gases	Intermolecular Forces and Liquids and Solids	Acid-Base Equilibria and Salt Equilibria
Electronic Structure of Atoms	Physical Properties of Solutions	Electrochemistry

Questions involving more advanced topics may also be included. These advanced topics may cover:

1. Solid state and coordination chemistry (e.g., crystal structures, crystal field theory, and isomerism of inorganic complexes)
2. Thermodynamics (e.g., gases, liquids, solids, temperature dependence of equilibrium constants, electromotive force, and Gibbs free energy)
3. Electrochemistry and electrochemical analysis (amperometry, voltammetry, conductometry, and potentiometry)
4. Kinetics (catalysis, the Arrhenius equation, and integrated rate laws)
5. Organic chemistry (stereoisomerism, simple stereocontrolled organic transformations, [4+2]-cycloaddition, and [3,3]-sigmatropic rearrangement)
6. Spectroscopy (correlation of simple organic structures with their $^1\text{H-NMR}$, $^{13}\text{C-NMR}$, or IR data.)
7. Analytical Chemistry (acid-base titrations, complexometric titrations, redox titrations, spectrophotometry, and Beer-Lambert's Law)

Please see attached list of Regional Coordinators for the 22nd PNCO 2023, and the 22nd PNCO 2023 Guidelines and Mechanics for Student, Coach, and Invigilators.

Thank you very much.

Respectfully,

Jennifer C. Sy
PNCO Secretariat

cc:

PNCO COMMITTEE





PHILIPPINE FEDERATION OF CHEMICAL SOCIETIES

Unit 233 Citland Pioneer, 128 Pioneer St., Highway Hill, Mandaluyong City 1552 Philippines

PHILIPPINE NATIONAL CHEMISTRY OLYMPIAD



22nd Philippine National Chemistry Olympiad 2023 (22nd PNCO 2023)

REGIONAL COORDINATORS

Region	Name of Regional Coordinator	E-mail/ Mobile Number/ messenger	Institutional Affiliation Address
NCR	Franz Jabin Kirbie C. Garcia.	upchemsoc@yahoo.com	UP Chemical Society University of the Philippines Diliman
1 (Ilocos Reg)	Precious Tricia Lozano	cisuchemicalsociety@gmail.com 09615950430	Chemical Society Central Luzon State University Science City of Munoz, Nueva Ecija
2 (Cagayan Valley)			
3 (Central Luzon)			
CAR			
4A (CALABARZON)	Judy Kristel V. Bayalas	jvbayalas@up.edu.ph 09177397355	Kapisanang Kimika ng Pilipinas -Southern Tagalog Institute of Chemistry, College of Arts and Sciences University of the Philippines Los Baños
4B (MIMAROPA)			
5 (Bicol Reg)	Magnolia Vida A. Cano, RCh	mvacano@bicol-u.edu.ph	Chemistry Department, College of Science, Bicol University, Legazpi City PACT Bicol
6 (Western Visayas)	Danilo O. Ortillo, PhD	dortillo@gmail.com 09173168101	Rm 216 Tomas Fonacier Building Department of Chemistry University of the Philippines Visayas Miagao, Iloilo, 5023
7 (Central Visayas)	Eugene T. Bacolod, PhD	etbacolod@puscedu.ph (032) 230-0100 local 157	Department of Chemistry, University of San Carlos, Nasipit, Talamban, Cebu City
8 (Eastern Visayas)	Mark Ryan R. Tripole	mark.tripole@vsu.edu.ph 09201196784	Department of Pure & Applied Chemistry Visayas State University Baybay City, Leyte, Philippines
BARMM (Bangsamoro Autonomous Region in Muslim Mindanao)	Oliver V. Aromin	nimrov@yahoo.com	Chemistry Dept, College of Natural Sciences and Mathematics, MSU, Marawi
CARAGA (Caraga Administrative Region)	Mark Anthony M. Lavapie	mmlavapie@carsu.edu.ph 09985359620	Caraga State University, Ampayon, Butuan City
9 (Zamboanga Peninsula)	Sheeva M. Yahcob-Saddalani RCh, Ed.D.	shess@chemist.com sheeva.saddalani@wmsu.edu.ph	ICP-ZAMPEN; Chemistry Department, WMSU
10 (Northern Mindanao)	Ann Marian Lou Ortega Eslop	aeslop@xu.edu.ph 09054593666	Chemistry Department, Xavier University.
11 (Davao Reg)	Christine Marie M. Tupaz, RCh	cmmtupaz@gmail.com	ICP-SoMin Chapter
12 (SOCCSKSARGEN)	Elly Paul A. Tomas, RCh	elipolthequimico@gmail.com	ICP-Sox Chapter

