



The Mining Association of Canada

ADVOCACY STEWARDSHIP COLLABORATION



**Chamber of Mines
of the Philippines**

Towards Sustainable Mining (TSM)

In 2015, the DENR required mining contractors to secure ISO 14001 Certification for operating mines to ensure adherence to international standards.



Republic of the Philippines
Department of Environment and Natural Resources
Visayas Avenue, Diliman, Quezon City
Tel. Nos. (632) 929-66-26 to 29 • (632) 929-62-52
929-66-20 • 929-66-33 to 35
929-70-41 to 43

30 APR 2015

ADMINISTRATIVE ORDER
No. 2015 - 07

SUBJECT: Mandating Mining Contractors to Secure ISO 14001 Certification

WHEREAS, the requirement for mining contractors to undergo ISO Certification will help achieve sustainable growth by the development of an effective environmental management system;

NOW, THEREFORE, the foregoing premises considered, to institutionalize an environmental management system that shall ensure the adherence of local mining operations to international standards as a measure of Responsible Mining in the country, all mining contractors are mandated to secure ISO 14001 Certification in accordance with the following guidelines for the compliance of all concerned:

Department of Environment and Natural Resources
Mines and Geosciences Bureau
Office of the Director



In 2016, PRRD challenged the Philippine mining industry to adhere to strict international standards, particularly that of Australia and Canada



176



66



1



5



0



Responsible mining is a key to growing the economy – Duterte spokesperson

Published June 23, 2016 5:08pm

The incoming administration of President-elect Rodrigo Duterte is committed to promoting a robust and dynamic economy, with every sector contributing to its growth including mining, Ernie Abella, the incoming presidential spokesperson, said on Thursday.

"Responsible mining plays a key role in the Philippines," Abella told reporters at a briefing in Davao City.

"The key word here is responsible. And our President has made his position very clear: 'You have to do it right. If you cannot do it right, then get out of mining,'" he added.

Abella noted that the President-elect Duterte has emphasized the application of responsible mining standards similar to those of Canada and Australia to ensure that the environment is protected.

In 2017, Philex came across TSM as possible tool to adequately respond to the challenge of the President.

Later that year, COMP reached out to MAC for a partnership.

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News Economy

COMP adopts TSM initiative

By Jonathan L. Mayuga - December 18, 2017

The Chamber of Mines of the Philippines (COMP) has moved to formally and officially adopt Canada's sustainable mining model.

The adoption of Toward Sustainable Mining, or TSM initiative, a mining-sustainability standard developed by the Mining Association of Canada (MAC), is in response to President Duterte's call to the industry to be more responsible in doing business.

ABS-CBN NEWS

Chamber of Mines to adopt Canadian sustainability standard

ABS-CBN News
Posted at Dec 18 2017 12:38 PM

MANILA - The Chamber of Mines of the Philippines said Monday it would adopt a Canadian standard for sustainability in the industry.

The Philippines is the first country in Southeast Asia to adopt the Mining Association of Canada's Towards Sustainable Mining or TSM initiative and the fourth in the world after Finland, Argentina and Botswana, the chamber said.

The TSM requires mining companies to assess their facilities annually for tailings management, community outreach, safety and health, biodiversity conservation, crisis management, and energy use and greenhouse gas emissions management, the chamber said in a statement.

TOWARDS SUSTAINABLE MINING

Mining Association of Canada (OVERVIEW)



- Established in 2004, TSM is **a performance system** that helps mining companies **evaluate and manage** their **environmental and social responsibilities**

TOWARDS SUSTAINABLE MINING

Mining Association of Canada (OVERVIEW)



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- Core Strengths
 - Performance Driven
 - Accountability
 - Transparency
 - Credibility

TOWARDS SUSTAINABLE MINING

Mining Association of Canada (OVERVIEW)



- Established in 2004, TSM is **a performance system** that helps mining companies **evaluate and manage** their **environmental and social responsibilities**
- Core Strengths
 - Performance Driven
 - Accountability
 - Transparency
 - Credibility
- Partner Countries: **Argentina, Botswana, Finland, the *Philippines, Spain and Brazil**

**First in Asia, only country in the continent.*

TSM Assessment Protocols



Communities and People

Environmental Stewardship

TSM Assessment Protocols

Communities and People

- 1 Safety and Health
- 2 Community and IP Engagement
- 3 Crisis Management and Communications
- 4 Child and Forced Labor

Environmental Stewardship

- 5 Tailings Management
- 6 Water Management
- 7 Biodiversity Conservation Management

TSM Assessment Protocols

Communities and People



Environmental Stewardship



- Deferred to ensure alignment with ICMM Global Standard on Tailings Management
- TWG formed; coordination with MAC, Partner Countries ongoing

TSM Assessment Protocols

Rating System: **C, B, A, AA, AAA**

Communities and People

Safety and Health

Community and IP
Engagement

Environmental Stewardship

Tailings Management

Water Management

Biodiversity
Conservation
Management

TSM Assessment Protocols

Rating System: **PASS, FAIL**

Communities and People

Crisis Management
and
Communications

Child and Forced
Labor

TSM Layers of Verification

(A 3-YEAR CYCLE)



The diagram consists of a large light blue square. Inside the square is a dark blue circle. The circle contains the text 'SELF-ASSESSMENT' in white, bold, uppercase letters. Below the circle, centered within the square, is the word 'ANNUAL' in bold, italicized, black, uppercase letters.

**SELF-
ASSESSMENT**

ANNUAL

- Mine sites assess themselves against the Protocols.
- Sites submit self-assessment results/reports to COMP.
- COMP publishes the reports.

TSM Layers of Verification

(A 3-YEAR CYCLE)

**SELF-
ASSESSMENT**

ANNUAL

**EXTERNAL
VERIFICATION**

EVERY 3 YEARS

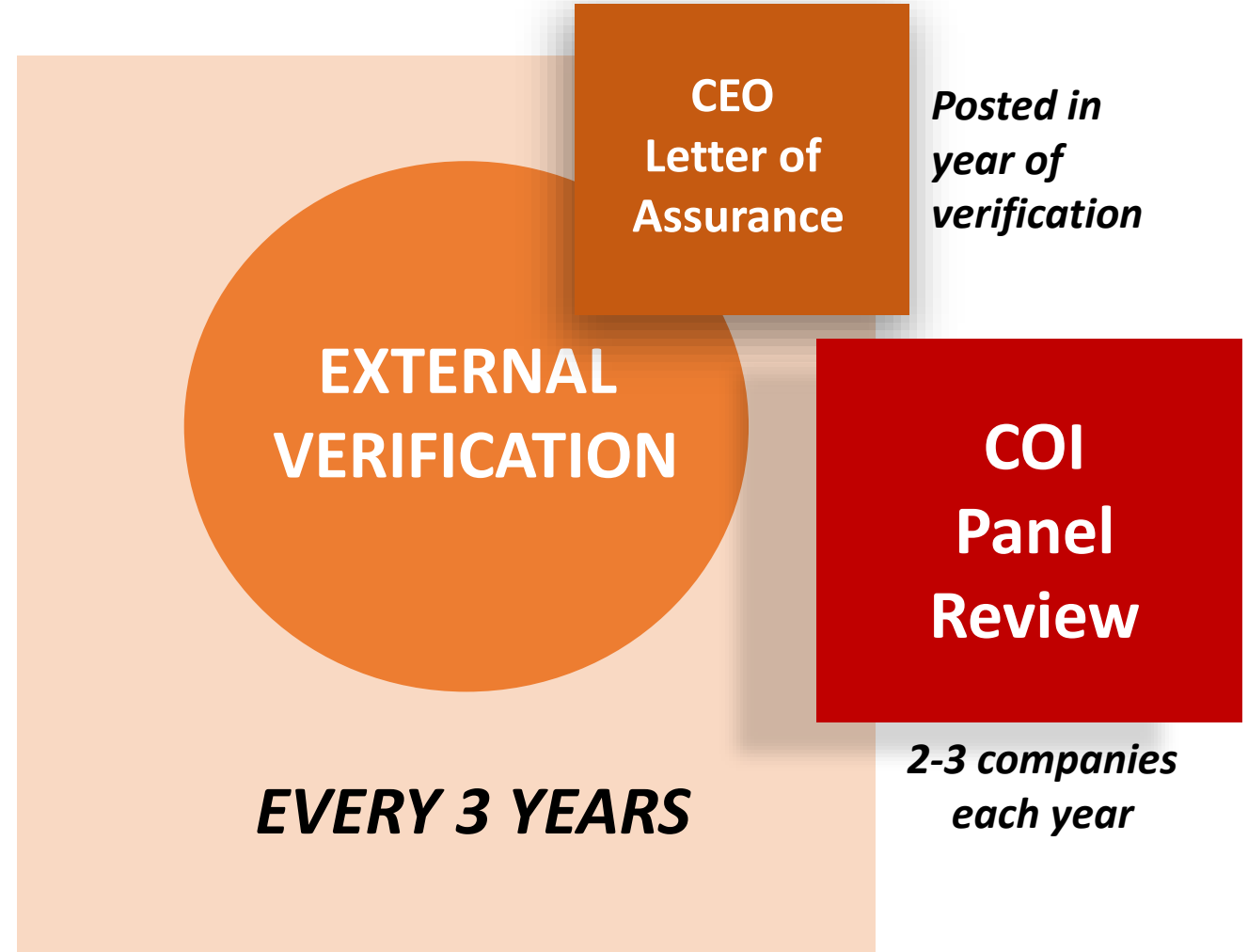
TSM Layers of Verification

(A 3-YEAR CYCLE)



TSM Layers of Verification

(A 3-YEAR CYCLE)



WIFM?

- **Good for business and for corporate social responsibility** (TSM companies perform better in social, environmental, business aspects).
- **Increases knowledge, transparency and openness** within local communities.
- Fast-becoming **global standard in responsible mining**.
- **Platform for continuous development**.

WIFM?

- Financial institutions and investors gradually seeing TSM as a reliable standard in evaluating risks for mining firms seeking funding and investments.

COMP and MAC signing

Mutual Cooperation and Licensing Agreement to adopt TSM

December 19, 2017



TSM Progress in the Philippines



- **December 18-19, 2017** – MAC conducts Training Workshop for various COMP member companies
- **March 6, 2018** – COMP participates in TSM Partners' Meeting in Toronto
- **June 13, 2018** – TSM Committee holds Workshop on Protocols (EDSA Shangri-la Hotel)
- **September 12, 2018** – TSM Committee holds Workshop on Indicators (Marco Polo Hotel)
- **March 4-6, 2019** – COMP participates in TSM Partners' Meeting and Training; observes COI Panel Meeting in Toronto
- **May 16, 2019** – Further revisions on Protocols and Indicators by Expanded Setup

TSM Progress in the Philippines (con't)



- **August 1, 2019** – Workshop on Protocols and Indicators with TSM Initiative Leaders (Lepanto Penthouse)
- **September 10, 2019** – First Meeting and Orientation of Community of Interest Advisory Panel (Sofitel Philippine Plaza Hotel)
- **October 10, 2019** – Fourth Pass Review by Expanded Setup, Lepanto Boardroom
- **February 19, 2020** – TSM Review Leaders present Filipinized Protocols to COI Panel
- **March 3-5, 2020** – COMP participates in TSM Partners' Meeting and Advanced Training; observes COI Panel Meeting in Toronto
- **April 2020** – Completion of “Filipinized” Protocols and Indicators, including COI Panel inputs, except for IP and Community Engagement Protocol, which was completed in July 2020

Community of Interest Advisory Panel

First Meeting and Orientation, Sept. 10, 2019



Community of Interest Advisory Panel



RONALD U. MENDOZA
Academe

- Dean, Ateneo School of Government
- Senior Fellow: EastWest Institute
- Former Executive Director, AIM Policy Center



CIELO MAGNO
NGO/Academe

- Asst. Professor, School of Economics, UP
- CSO Representative, International Board, EITI
- Board Member & Secretary, Bantay Kita



CARLOS PRIMO C. DAVID
Environment

- Professor, Geology and Environmental Science, UP, NIGS
- Member, Panel of Experts, Climate Change Commission



JEROME MARQUEZ, SVD
Religious

- Provincial Superior, Society of Divine Word, Canon Lawyer
- Director, Arnold Jansen Mission Foundation

Community of Interest Advisory Panel



LUCHI CRUZ-VALDES
Media

- Head, News and Information, TV5
- Former co-host, The Probe Team, GMA-7
- Titus Brandsma Awardee for Excellence in Journalism, Catholic Mass Media Awards



GERARD R. SENO
Labor

National Executive Vice President and National Executive Board – Associated Labor Unions (ALU) - TUCP



EDWIN G. DOMINGO
Policy/Technical

- Former Asst. Director and OIC-Director, MGB
- Former OIC-Asst. Secretary, Foreign Assistance Projects, DENR
- Former Board Examiner for Geology, PRC



JOSE V. MEJIA
Legal

- Senior Partner, Ligon Solis Mejia Florendo Law Firm
- Regular Member, Judicial and Bar Council
- Professor, Commercial Law, De La Salle University

Community of Interest Advisory Panel



LIEZYL LITON-RELLETA
Environment/Forestry

- VP and Project Director, GAIA South Inc.
- Member, Foresters League of the Philippines
- Member, Society of Filipino



ALEXIS BENJAMIN C. ZARAGOZA III
Finance

- Partner, SGV
- University of Chicago Booth School of Business, MBA Honors
- Institute of Chartered Accountants, Australia, Graduate Diploma Chartered Accounting



AL FRANCIS C. BICHARA
Local Government

- Governor, Albay
- Chairman, Bicol Regional Development Council
- Two-term Congressman
- Three-term Governor



ROGELIO FRANCISCO M. BANTAYAN JR.
Indigenous Peoples

Executive Director, National Commission on Indigenous Peoples

Community of Interest Advisory Panel



Three COMP Directors on an *ex-officio* basis:

- Gerard H. Brimo
- Eulalio B. Austin
- Gloria Tan Climaco

3-Step 'Filipinization' Process:



1

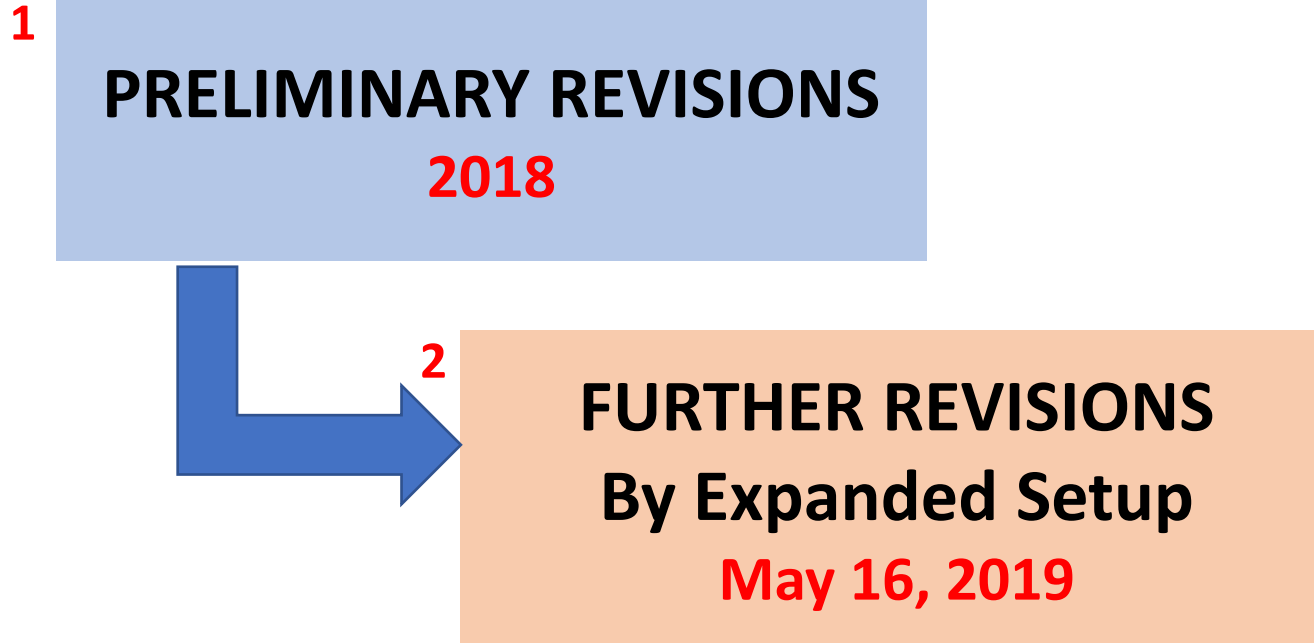
PRELIMINARY REVISIONS

2018

PRELIMINARY REVISIONS

PROTOCOLS	LEAD COMPANIES
1. Community and IP Engagement	TVIRD
2. Biodiversity Conservation Management	OceanaGold
3. Tailings Management	Lepanto
4. Crisis Management and Communications Planning	Filminera
5. Safety and Health	Atlas
6. Preventing Child and Forced Labor	Philex
7. Water Stewardship	NAC

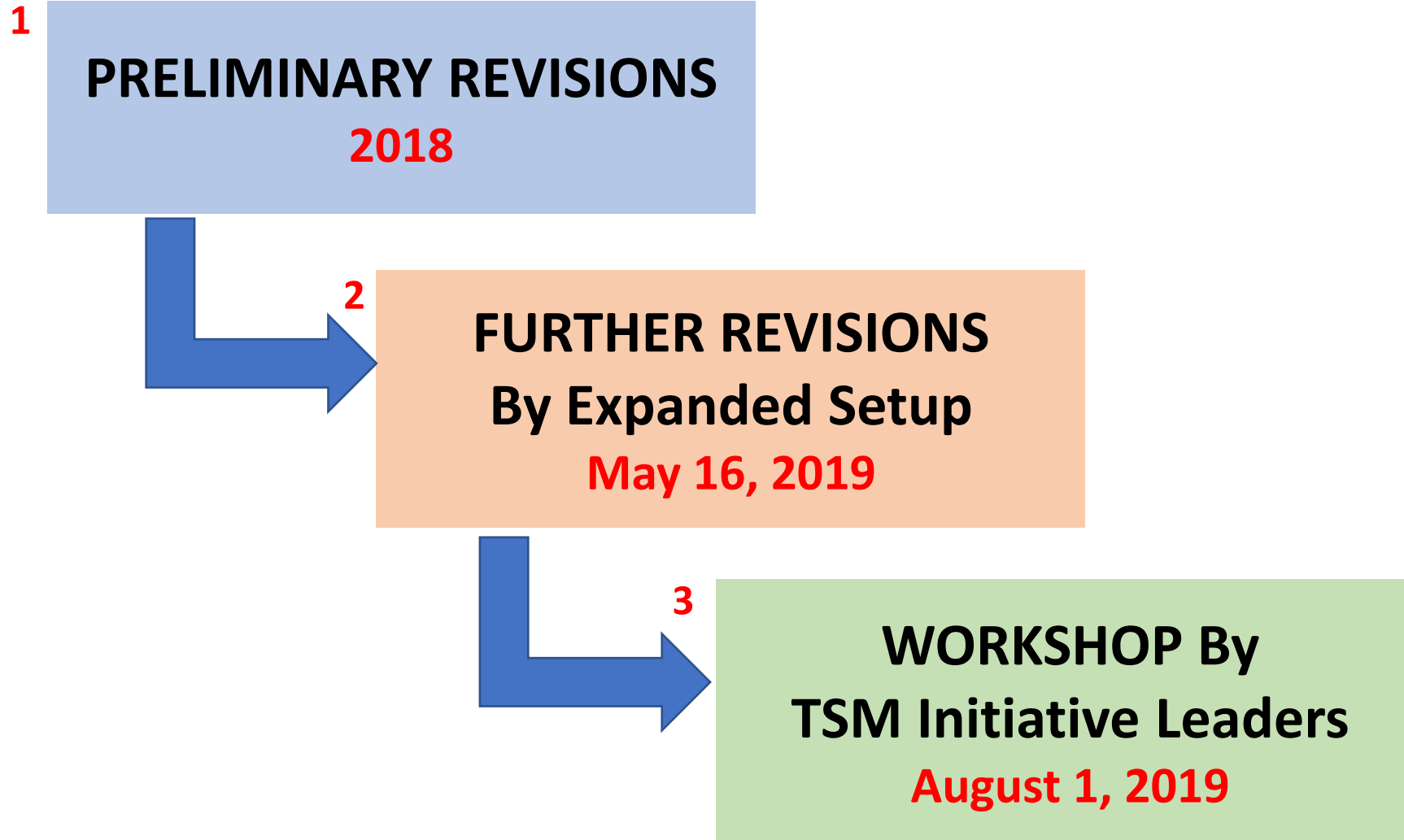
3-Step 'Filipinization' Process:



FURTHER REVISIONS by Expanded Setup

PROTOCOLS	LEAD & MEMBER COMPANIES
1. Community and IP Engagement	TVIRD, SMI, Marcventures
2. Biodiversity Conservation Management	OceanaGold, NAC, TVIRD
3. Tailings Management	Lepanto, Philex, Atlas
4. Crisis Management and Communications Planning	Filminera, COMP
5. Safety and Health	Atlas, CTP
6. Preventing Child and Forced Labor	Philex, Lepanto
7. Water Stewardship	NAC, OceanaGold, PGMCMC

3-Step 'Filipinization' Process:



WORKSHOP

Participated in by some 60 company representatives or TSM INITIATIVE LEADERS.

(1) NON-TECHNICAL **COMMUNITIES and PEOPLE**

1. Community and IP Engagement
2. Crisis Management and Communications Planning
3. Child and Forced Labor

(2) TECHNICAL 1 **TAILINGS and WATER MANAGEMENT**

4. Tailings Management
5. Water Management

(3) TECHNICAL 2 **SAFETY & Health and BIODIVERSITY MANAGEMENT**

6. Safety and Health
7. Biodiversity Conservation Management

FOURTH PASS REVIEW



By Expanded Setup – October 10, 2019, Lepanto Boardroom

Arrived at consensus re: issues raised during the Workshop:

- Impact of Mines and Geosciences Bureau Scorecard on TSM Grading System

Highlights of Revisions

- **Incorporated applicable Philippine laws and regulatory processes, e.g., composition of facility level community of interest**
- **Applied Philippine terms, e.g.,**
 - “stakeholders” for “facility level community of interest”
 - “indigenous peoples” for “aborigines” and “First Nations”
- **Provided more detailed discussion on standards, compliance with law.**
- **Added objective measurements/criteria for Indicators**
- **Major revision: inclusion of SDMP.**

Community of Interest Advisory Panel

Review Leaders Presentation Feb. 19, 2020



5th Revision

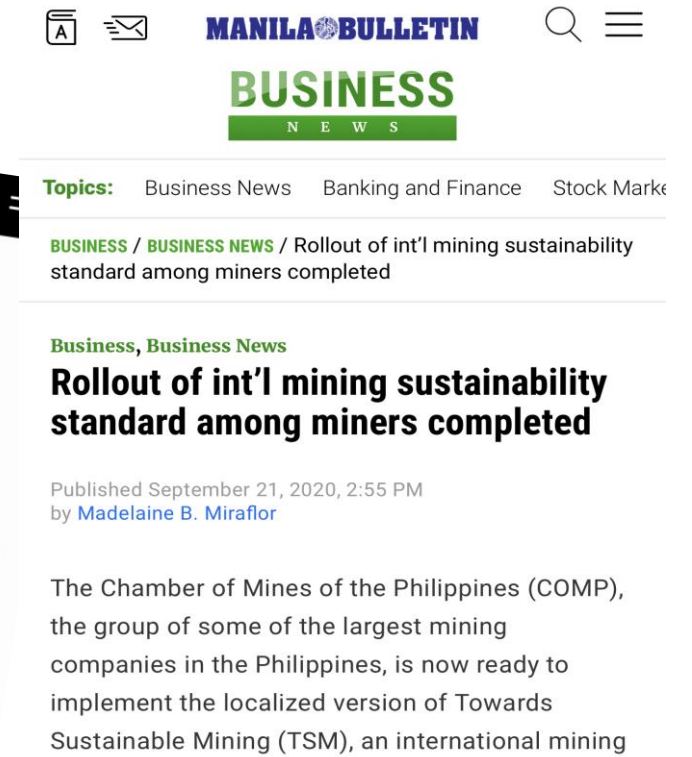


- Response to COI Advisory Panel reco: include outcomes as part of TSM criteria; Canada model is “process oriented”
- Further revisions completed by TSM Review Leaders **(July 2020)**:
 - Focus on 3 Protocols:
 - (a) IP and Community Engagement
 - (b) Biodiversity Conservation Management
 - (c) Water Management

TSM Rollouts



- TSM was rolled out to COMP members in Mindanao and Luzon-Visayas in August and September, respectively.
- Messages of support were expressed by Canadian Ambassador Peter MacArthur, DENR ASec. Nitz Caguioa, MGB Dir. Dodo Moncano, and 14 MGB Regional Directors.



TSM Rollouts

- Total of >200 representatives from COMP member firms participated.



Next steps: 2021



Convene Tailings Management Protocol TWG, revise Protocol (est. March)

Next steps: 2021 to 2024

SELF-
ASSESSMENT

2021

- Gap Analysis
- Addressing of gaps
- **Voluntary reporting** of self-assessment reports to COMP, COI Panel.
- COMP to identify external verifiers for approval by COI Panel.

SELF-
ASSESSMENT

2022

- **Mandatory reporting** of self-assessment results to COMP, COI Panel.
- Approved external verifiers to undergo training with the assistance of MAC.

EXTERNAL
VERIFICATION

50% of COMP
Members

2023

- External verifiers to audit 50% of companies; the other half will do self-assessment.
- External verification supported by CEO Letters of Assurance.
- **Mandatory reporting** of self-assessment or external verification results to COMP and COI Panel.
- **All results to be made available to the public.**
- **Random COI Panel company reviews of verified companies.**

CEO
Letter of
Assurance

COI
Panel
Review

EXTERNAL
VERIFICATION

50% of COMP
Members

2024



TSM: BEYOND COMPLIANCE

*“...our reputation as an industry has suffered tremendously by the attacks that we’ve gone through in the fairly recent past... It will take some time and a concerted effort of the industry to prove that it operates responsibly and that communicates its accomplishments. **To my mind, that means not just mere compliance, but going beyond.***”

*“Let us prove to all and sundry that this is a resilient industry that won’t go away, that we indeed operate responsibly and **go beyond mere compliance.**”*

Mr. GERARD H. BRIMO
Chairman
Chamber of Mines of the Philippines