

EFFECTIVE AUDIOMETRY PROJECT COORDINATION

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PRESENTATION OBJECTIVE

AT THE END OF THIS PRESENTATION:

- AUDIENCE ARE ABLE TO KNOW BRIEFLY ABOUT IS AUDIOMETRY.
- AUDIENCE ARE ABLE TO KNOW HOW TO MANAGE AUDIOMETRY PROJECT EFFECTIVELY.
- AUDIENCE ARE ABLE TO UNDERSTAND THE IMPORTANCES OF EFFECTIVE AUDIOMETRY PROJECT COORDINATION.



WHAT IS AUDIOMETRY TESTING?

MEASURE A PERSON
ABILITY TO HEAR SOUND
WITH DIFFERENT PITCH
& FREQUENCIES.

COMPULSORY ANNUAL
& BASELINE

CAN BE DONE STATIC &
MOBILE.

HAZARD-NOISE,
EXCESSIVE EXPOSURE TO
NOISE.

DISEASES-
OCCUPATIONAL NOISE
RELATED HEARING
DISEASES (ONRHD)



OSHA AMENDMENT & ICOP

OSHA 1994

Penalty up to RM50,000

Medical Examination by
Medical Practitioners

Report keeping requirement

Date for report submission not
regulated

No requirement for employer
to notify the employee



NEW

OSHA 2022 & NEW ICOP

Penalty up to **RM500,000**

Compulsory to perform annual
medical examination by OHD
for abnormal cases

Compulsory to keep employee
medical record up **30 years**

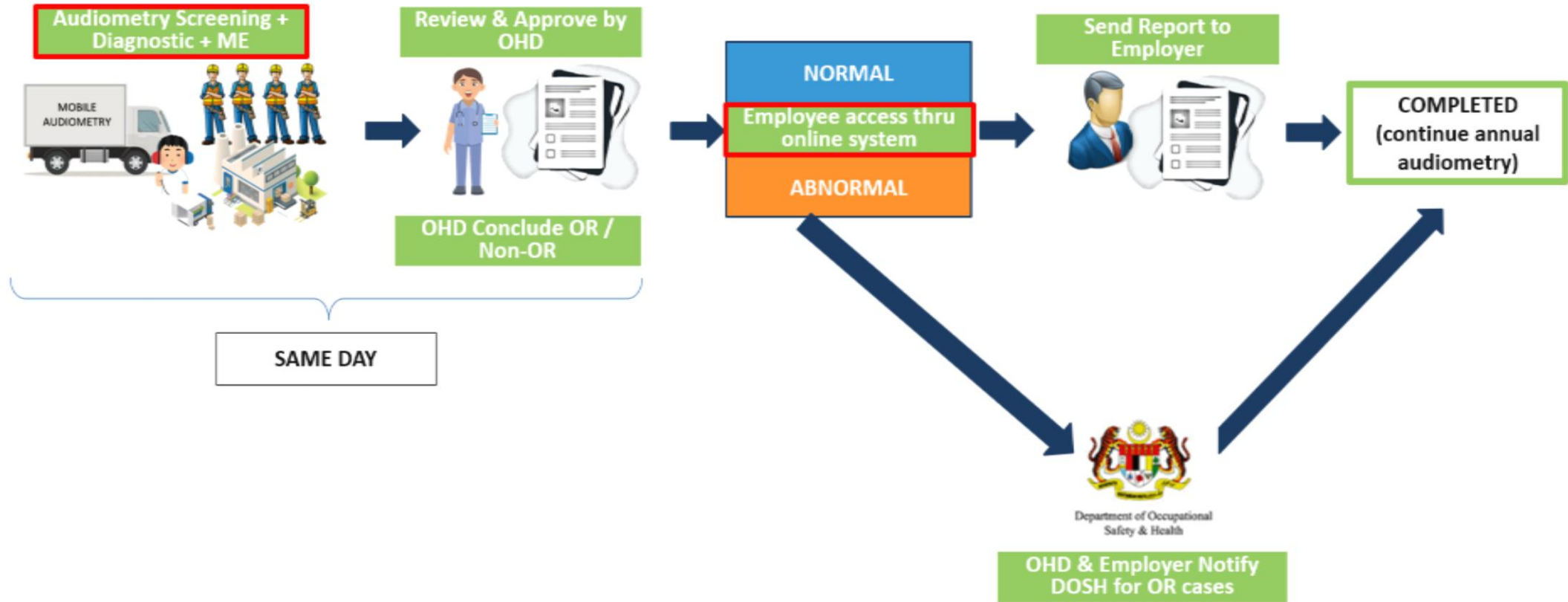
Compulsory report submission
within **30 days** after
examination


Compulsory Notify employee
within **21 days**

SOLUTION THROUGH TECHNOLOGY


SOLUTION	EMPLOYER	SERVICE PROVIDER
Online Record Keeping	Help to overcome the problem of losing records & save printing costs	Easy to analyze previous records
Process Automation	Help overcome errors/delays in data entry	Easy to make decisions and recommendations quickly
Online Access	Easily share information with service providers	Easy to access data while in the field (saves time)
Comply with Laws & Regulations	Helping to understand legislation and audit authorities	Reduce the burden of the task in remembering all the laws and regulations

Improvise Audiometry Process





Solution



Analysis

Recommendation

Auto-generated recommendation

RECOMMENDATION

<p>Medical Examination by OHD : <input checked="" type="checkbox"/></p> <p>Repeat Audiometry within 3 months : <input type="checkbox"/></p> <p>Repeat audiometry after treatment : <input type="checkbox"/></p> <p>Continue annual audiometry : <input type="checkbox"/></p> <p>Other - Refer to Notes : <input type="checkbox"/></p> <p>Notes :</p>	<p>Education & Training : <input checked="" type="checkbox"/></p> <p>Provision of PHP : <input checked="" type="checkbox"/></p> <p>Referral to specialist for further management : <input type="checkbox"/></p> <p>Notification to Dosh : <input type="checkbox"/></p> <p>:</p>
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Solution

**AUTO
GENERATED
GROUP
REPORT**

AUDIOMETRIC REPORT

mySMARTOH
Your Smart Occupational Health Solution



Mobile Apps and Website
Shared online Occupational Health
platform

Table 1: Summary result of audiometric testing

Result	Number of Subject
1. Normal hearing	1
2. Hearing loss	94
2.1. NIHL pattern	63
2.2. Non NIHL pattern	31
3. Standard Threshold Shift	33
4. Permanent Threshold Shift	30

Result	Number of Subject
5. Hearing impairment	49
5.1. NIHL pattern	31
5.2. Non NIHL pattern	18

**Approved
by OHD**

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EMPLOYER MODE FEATURES

The screenshot displays the 'mySMARTOH' Employer Mode interface for Audiometric Screening. The dashboard includes a navigation menu on the left, filter options at the top, and several data visualization components:

- Progress Donut Chart:** Shows the status of 182 total tests: Done (pink), Pending Approval (blue), and Draft (yellow).
- Result Summary:**

Result	Count
Normal	47
Abnormal	121
- Completion Performance Bar Chart:** Shows the number of tests completed within specific timeframes: <30 days, 30-60 days, 60-90 days, and >= 90 days.
- Summary Control and Action Tables:**
 - Medical Exam by OHD:** 83 total. Summary: Due 30 Days: 0, Due 15 Days: 0, Past Due: 26, Action Taken: 0.
 - Repeat Audiometric Within 3 Months:** 133 total. Summary: Due 3 Months: 1, Due 1 Month: 2, Past Due: 58, Action Taken: 0.
 - Continuous Annual Audiometry:** 106 total. Summary: Due 3 Months: 3, Due 1 Month: 1, Past Due: 15, Action Taken: 0.
 - Education & Training:** 167 total. Summary: Due 3 Months: 0, Due 1 Month: 0, Past Due: 0, Action Taken: 0.
 - Notification to Employee:** 106 total. Summary: Due 21 Days: 0, Due 7 Days: 0, Past Due: 0, Action Taken: 0.
- Graphs for Abnormal Results:**
 - Abnormal by Conclusion:** Horizontal bar chart showing counts for Hearing Loss, NHI Character, Hearing Impair, Temporary Sts, Reverse Sts, Permanent Sts, Temporary Reverse Sts, and Permanent Reverse Sts.
 - Abnormal by Audiogram Analysis:** Horizontal bar chart showing counts for Hearing Loss Right, Hearing Loss Left, Hearing Impair Right, Hearing Impair Left, NHI Char Right, NHI Char Left, and Temp Shift Right.
 - Abnormal by Workgroup:** Horizontal bar chart showing counts for Battery Production, Chemicals, Demo, General Department, Heavymetals, Maintenance, and Packaging.

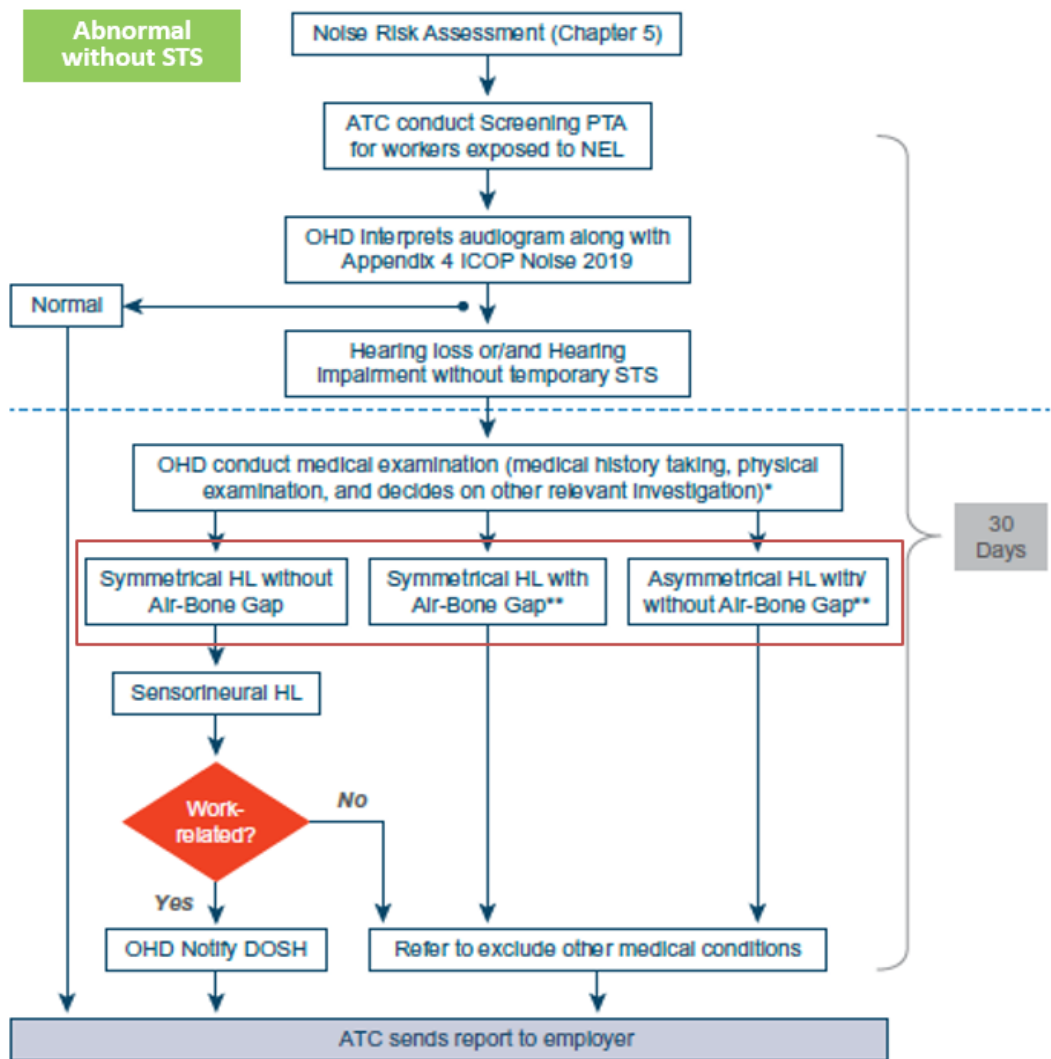


IMPORTANCE OF EFFECTIVE AUDIOMETRY PROJECT COORDINATION

1. RULE OUT OCCUPATIONAL NOISE RELATED HEARING DISEASES (ONRHD).
2. SAVE COST, TIME & RESOURCES.
3. BETTER COMPLIANT TO NOISE REGULATION.
4. TRANSPARANCY BETWEEN AUDIOMETRIC TEST CENTRE (ATC) & EMPLOYER.
5. BETTER EDUCATION & AWARENESS TO THE INDUSTRY



Recap ICOP (Noise Exposure) 2019



4.4 AUDIOGRAM INTERPRETATION AND MEDICAL EXAMINATION BY OCCUPATIONAL HEALTH DOCTOR

4.4.1 Once the screening pure tone audiometry has been conducted, all audiograms, along with the questionnaire form for audiometric testing (Appendix 4 of Industry Code of Practice for Management of Occupational Noise Exposure and Hearing Conservation 2019), should be given to the OHD appointed by the ATC for interpretation. (Refer to Chapter 7).

4.4.2 For employees with temporary STS, the OHD shall instruct the employer to repeat the test within three months from the date of screening the pure tone audiometry test.

4.4.3 For an employee with an abnormal audiogram, if indicated, the OHD shall inform the ATC to advise the employer to proceed with diagnostic pure tone audiometry to confirm the sensorineural portion of hearing loss.

4.4.4 Refer to Chapter 6 for steps to conduct diagnostic pure tone audiometry.

4.4.5 Once diagnostic pure tone audiometry is conducted, the OHD reviews the audiogram, conducts medical examination as prescribed in Appendix 6 of Industry Code of Practice for Management of Occupational Noise Exposure and Hearing Conservation 2019, and decides on the need for referral. (Refer Chapter 10)



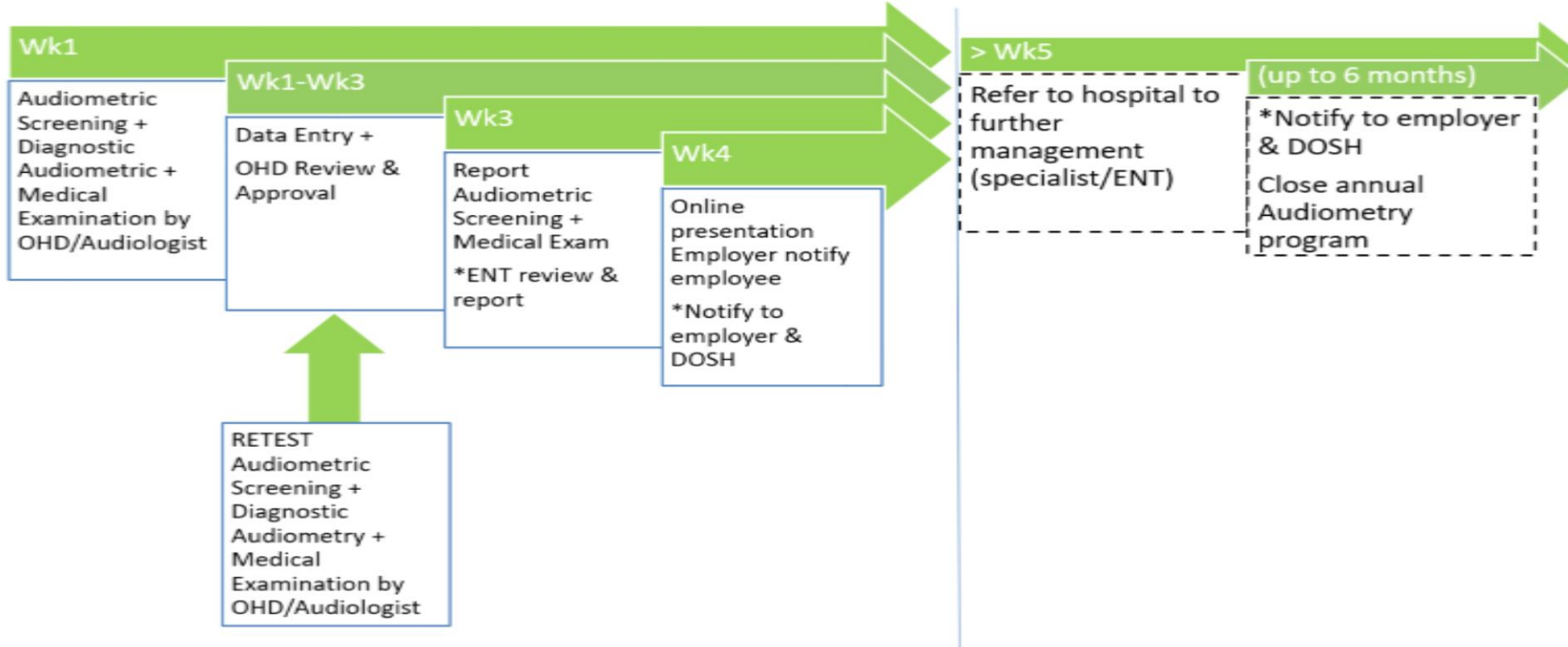
Improvise Audiometry Testing Process



Plant A

Week 4

Week 24



Booth no : 32 & 39
COME & JOIN ALL OUR ACTIVITIES & SPECIAL OFFER !

19 - 20 FEBRUARY 2024 | KUALA LUMPUR CONVENTION CENTRE



01 **FREE Audiometry Screening** 

02 **Special Package for Audiometry Services** 

03 **Special Package for New ATC Set Up mobile / static** 

04 **Special Package for MySMARTOH**

05 **Special Talk from Industrial Audiologist** 



019 - 325 7255 / 014 - 337 7255



www.mysmartOH.com



COSH

2024

24th

CONFERENCE AND
EXHIBITION ON
OCCUPATIONAL
SAFETY AND HEALTH

SCICOSH

6th SCIENTIFIC CONFERENCE ON OCCUPATIONAL SAFETY AND HEALTH

THANK YOU