

WSH Council (National Crane Safety) Taskforce

Workgroup on Lifting Supervisors - Recommendations



15 Jan 2020

Er. Leslie Tay

Chairman, Workgroup on Lifting Supervisors

WSH SYMPOSIUM ON CRANES 25 Jan 2019

Minister of State, Mr Zaqy Mohamad

“A Lifting Supervisor is **crucial in the safe execution of lifting operations involving cranes.**

We will be looking at ways to **enhance the capabilities of Lifting Supervisors** to better manage the changes brought on by technology in the work environment.”



WSH COUNCIL (NATIONAL CRANE SAFETY) TASKFORCE

Chairman

The taskforce, led by Mr Mohd Abdul Akbar, formed a working group to study ways of raising the lifting supervisor competency so as to reduce crane accidents and Dangerous Occurrences.



WORKING GROUP FOCUS

**Enhancing
lifting
supervisor
competency**



Enhanced training curriculum

- Areas to strengthen and improve



Updating knowledge & skills

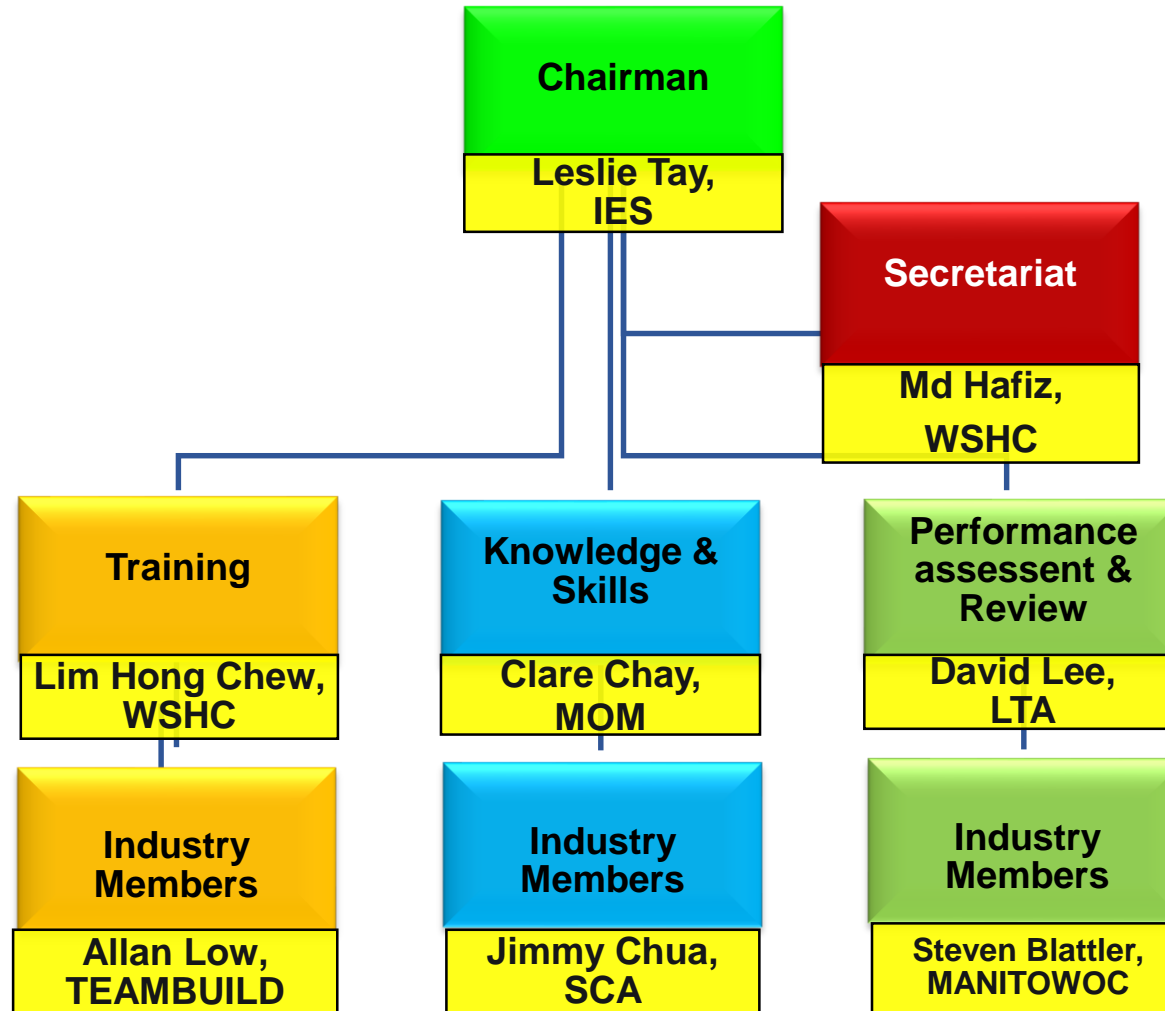
- What to update



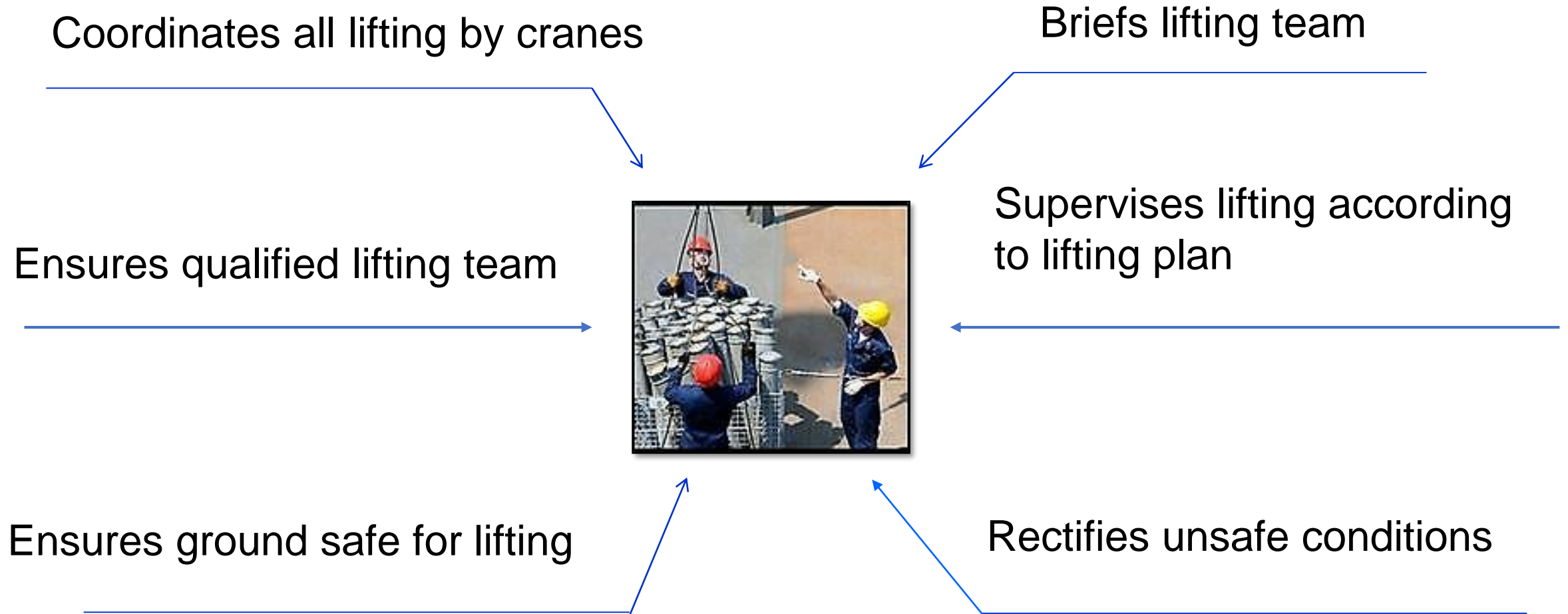
Performance assessment & review

- Knowledge & experience

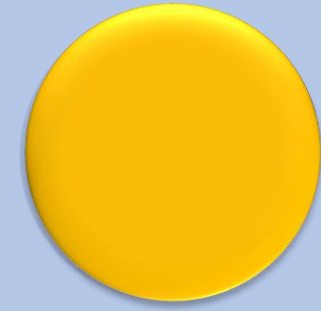
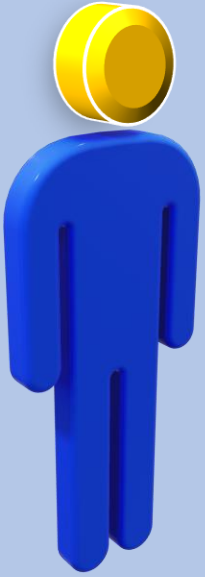
ORGANISATION CHART OF WORKING GROUP



LIFTING SUPERVISOR JOB SCOPE*



*WSH (Operation of Cranes) Regulations



Recommendations from the Training Team
to enhance the

WSQ Supervise Safe Lifting Operations (SSLO) Course



ENHANCING TRAINING CURRICULUM



CURRENT

- Have a basic knowledge of the relevant sector of work

PROPOSED

- Minimum 3 months relevant working experience in lifting operations.
 - a) Company - Employer recommendation letter
 - b) Private – Checklist-based self-declaration.



ENHANCING TRAINING CURRICULUM



CURRENT

- Literacy level – WPNL 4

PROPOSED

- Literacy level – WPLN 4

* Actual attitude and ability to perform the L.S. role is as important as literacy and numeracy level.



ENHANCING TRAINING CURRICULUM



CURRENT

- Current Standard Assessment Plan (SAP) has no requirement to brief lifting plan.
- Current SAP does not state requirements for LS to undertake Risk Assessment(RA) and Safe Work Procedures for lifting operations

PROPOSED

- To include practice on drafting and briefing the lifting plan.
- To include group work for simple RA exercise for a lifting operation and to be able to make an oral presentation of the RA.



ENHANCING TRAINING CURRICULUM



CURRENT

- Current SAP has no requirement for LS to confirm that the rigger had properly carried out the physical checks on the lifting gears and a proper rigging done.

PROPOSED

- To inspect and confirm that lifting gears have no patent (obvious) defects.
- To be able to check and verify the rigging method is according to the lifting plan.



Recommendations from the Updating Team to enhance the knowledge and skills of lifting supervisors



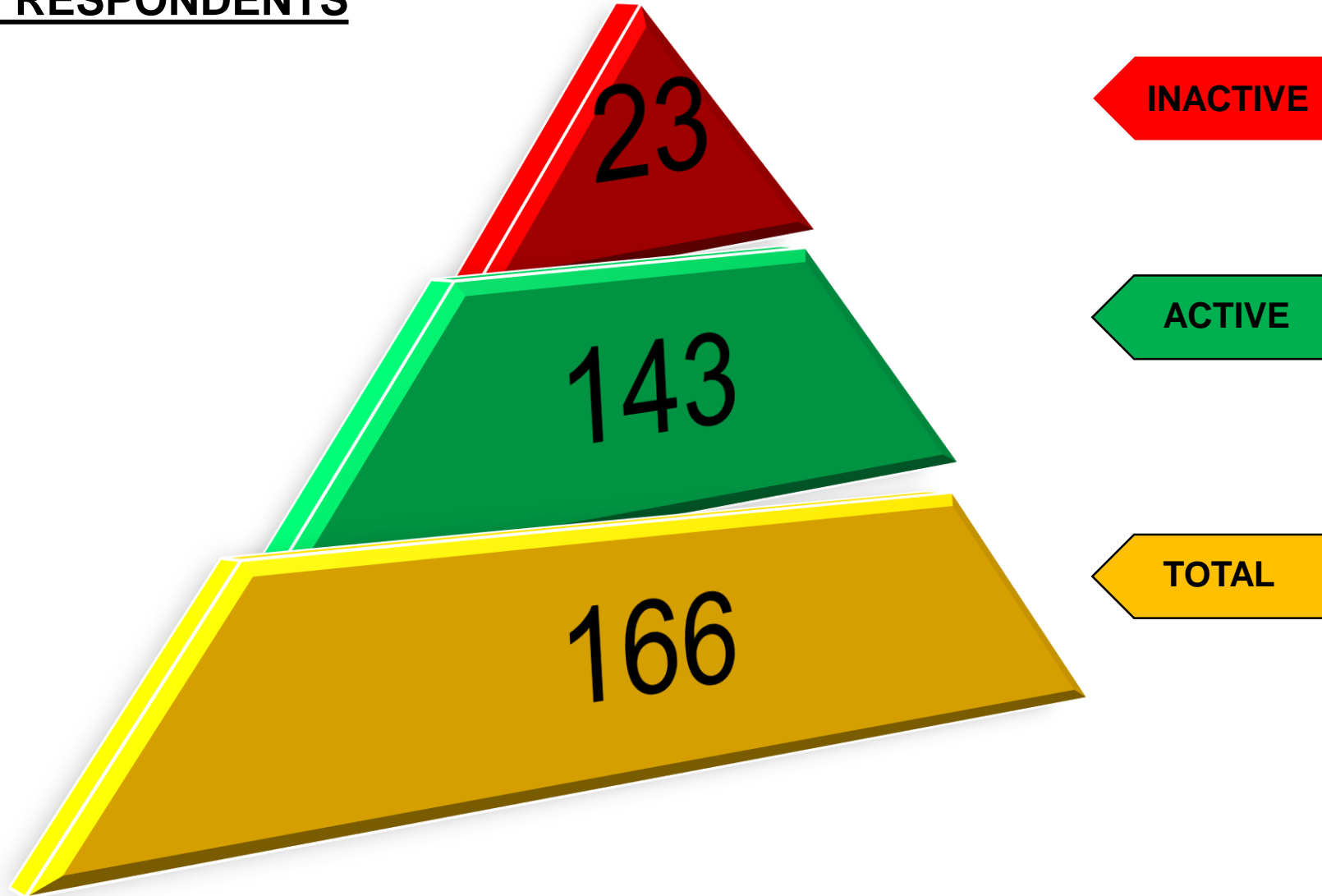
UPDATING CURRENTLY ACTIVE LS

- The WG carried out an online survey in 2019 of lifting supervisors and other personnel working closely with them.
- The objective was to gauge interest and need for updating the knowledge and skills of current lifting supervisors.
- A secondary objective was to gauge how other personnel view the competency and effectiveness of their lifting supervisors.



UPDATING CURRENT POOL OF LS

SURVEY RESPONDENTS

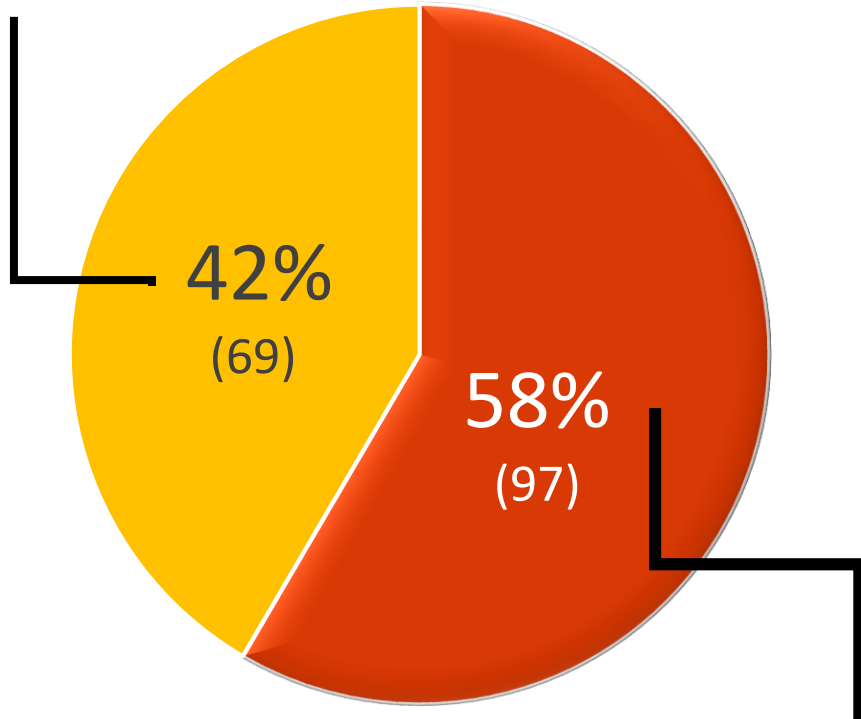




UPDATING CURRENT POOL OF LS

INTEREST FOR REFRESHER TRAINING

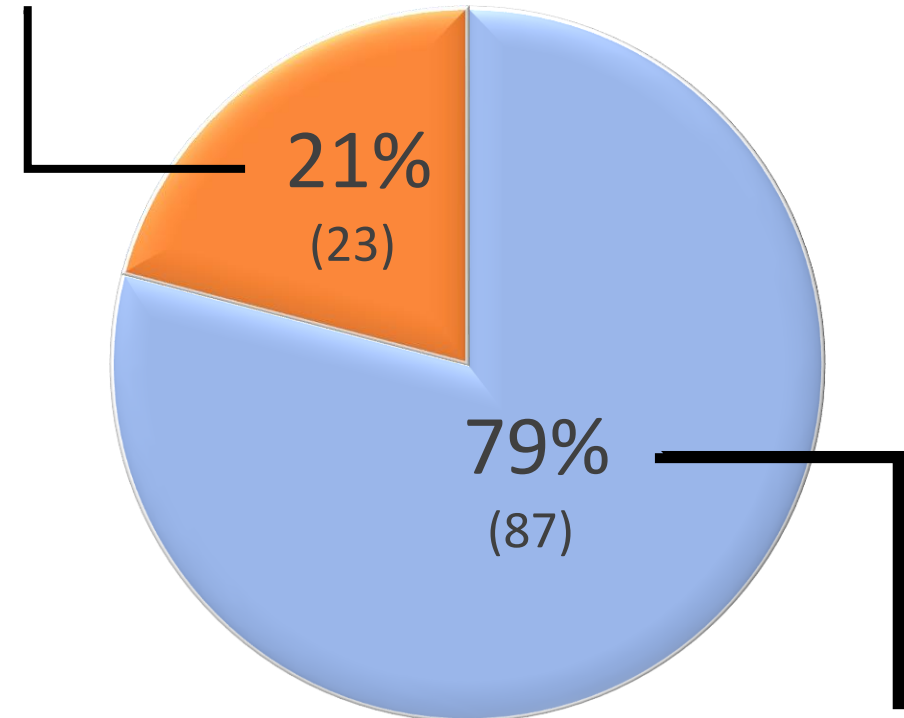
No to refresher training



Yes to refresher training

Lifting supervisor

No to refresher training



Yes to refresher training

Site management



UPDATING CURRENT POOL OF LS

SPECIFIC CONCERNS

88%

More focus on safe deploying
of both crane and load on the
ground

76%

More focus on better
understanding of lifting plan

44%

More focus on communicating
and supervising lifting
operation



UPDATING CURRENTLY ACTIVE LS

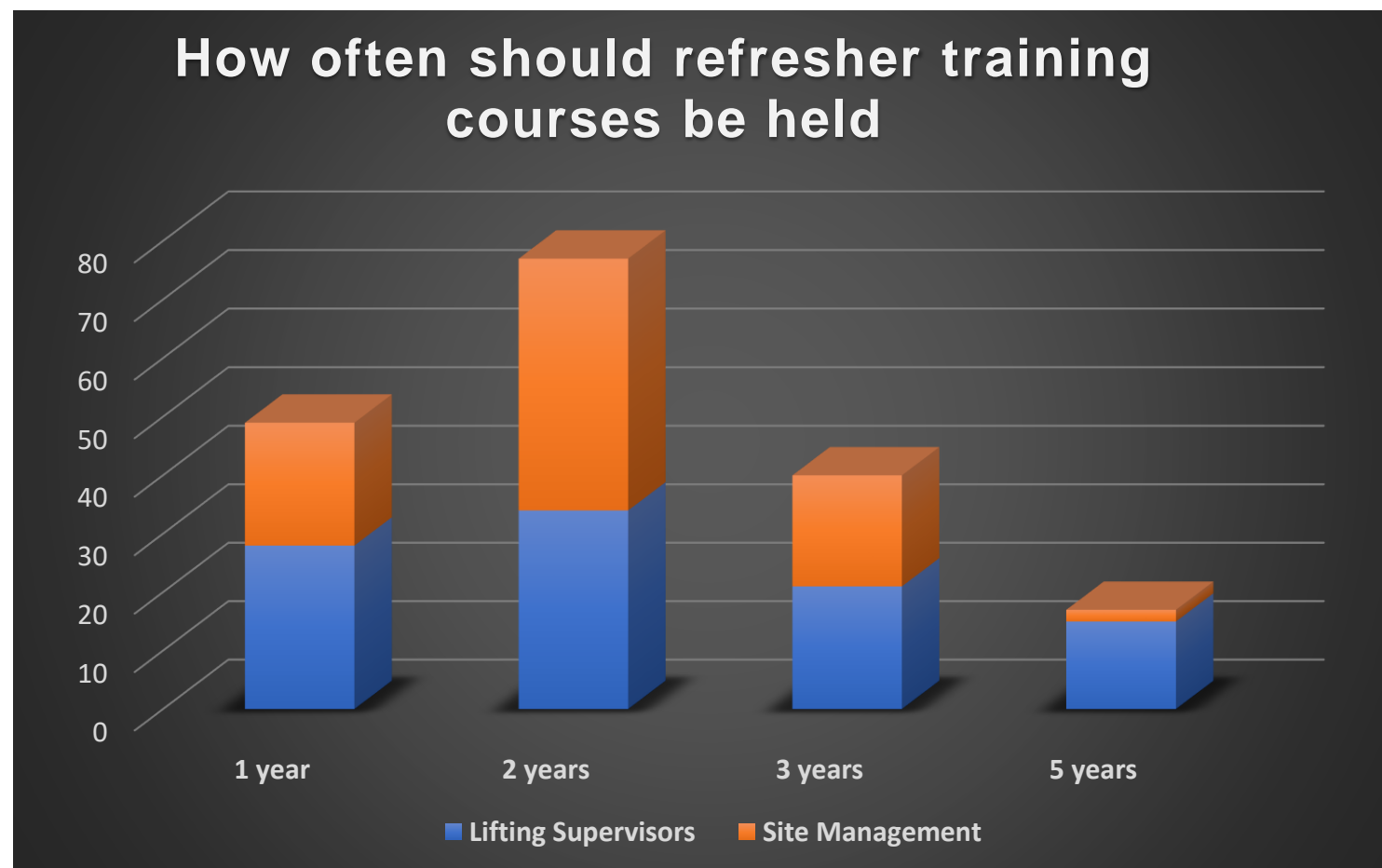
TOPICS FOR UPDATING KNOWLEDGE & SKILLS





UPDATING CURRENT POOL OF LS

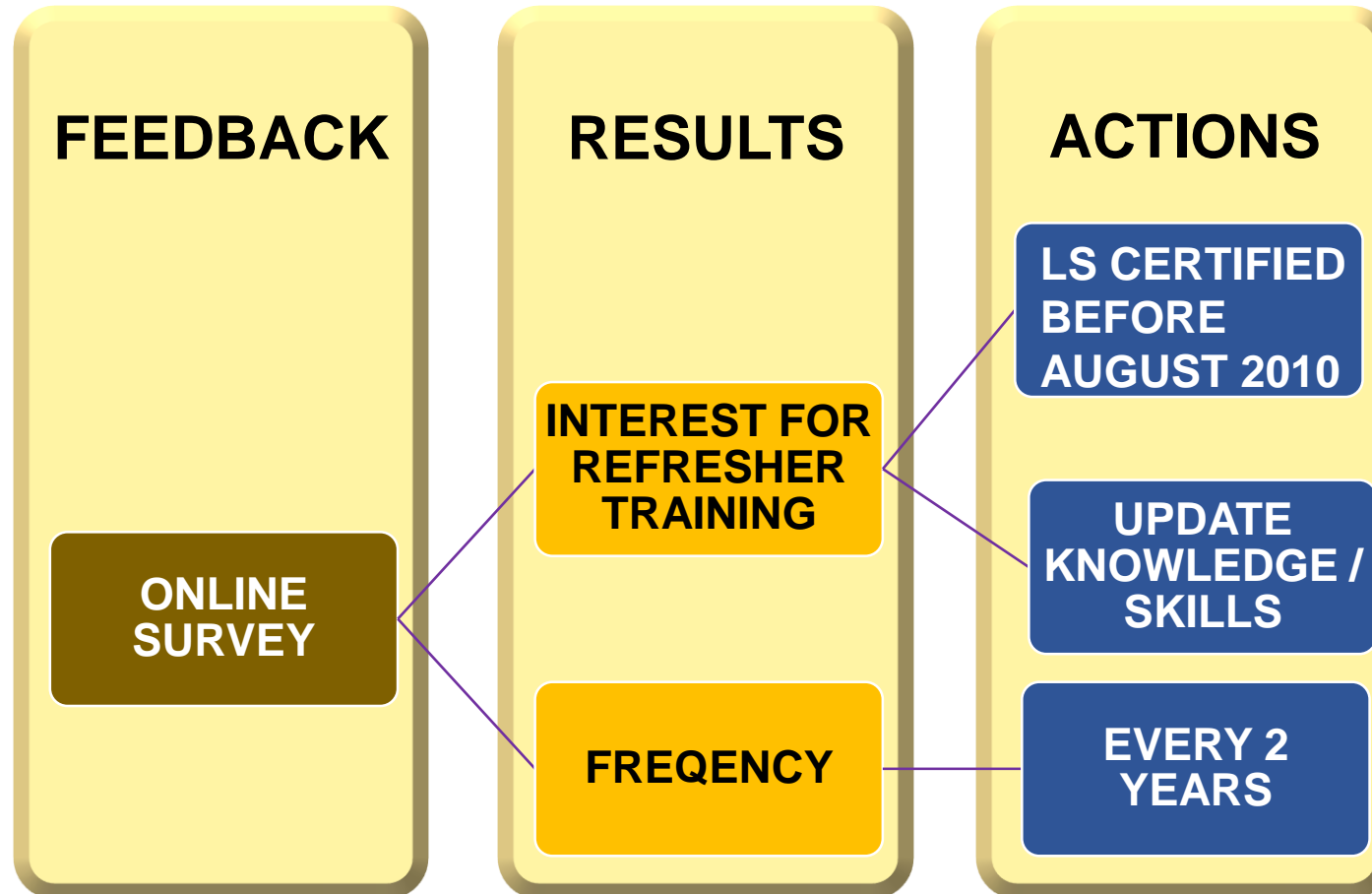
FREQUENCY OF REFRESHER TRAINING

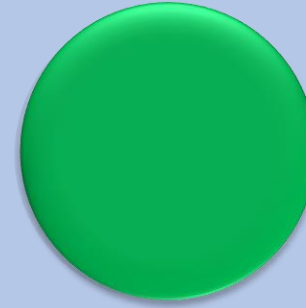




UPDATING CURRENT POOL OF LS

SURVEY RESULTS AND ACTION PLAN





Recommendations from Performance Assessment &
Review Team on how to ensure LS can
perform according to site-specific requirements.



PERFORMANCE ASSESSMENT AND REVIEW

WSH (Operations of Cranes) Regulations

17(2) not to appoint any person as a lifting supervisor for any crane lifting operation unless the person :

(b) has, in the opinion of the responsible person, such relevant experience in lifting operations for a period of not less than one year before the appointment as a lifting supervisor.



PERFORMANCE ASSESSMENT AND REVIEW

“....relevant experience in lifting operations ...not less than one year before appointment as a lifting supervisor”.

LS primary responsibility - ensure safe lifting operations by the lifting team.



Work as a crane operator, rigger and signaller, or a lifting apprentice overseeing lifting operation, are all experience relevant for appointment as a LS.



PERFORMANCE ASSESSMENT AND REVIEW

CURRENT

- No system to monitor and track the practical experience and on-site performance of a lifting supervisor after they have obtained certification.

PROPOSED

- To develop an industry-based assessment guide to assess a lifting supervisor's experience and on-site performance.
- This assessment guide is planned for launch in 2021.



PERFORMANCE ASSESSMENT AND REVIEW

PART A

- Written assessment
- 35 multiple choice questions
 - 15 critical questions
 - 20 non-critical questions.
- To pass the assessment :
 - correctly answer 15 critical and 15 non-critical questions

PART B

- Practical assessment
- Can perform in 5 areas:
 - Lifting plan
 - Pre-lift checks
 - Rigging competency
 - Signal competency
 - Supervision competency

Thank you

