

INLAND INSHORE COMMERCIAL DIVING

Diving Safety- CHECK CHECK CHECK

Dive Checks - Are they important?



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What is your position of employment?

① Start presenting to display the poll results on this slide.



What we all have in COMMON

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Enter 2-3 items you checked today when leaving your residence to go to work?

① Start presenting to display the poll results on this slide.

- DRAFT for public consultation -

Code of Practice

Chief Executives' and Board of Directors' Workplace
Safety and Health (WSH) Duties

Ownership not
delegation

The Workplace Safety and Health Act (WSH Act) s.48(1) already holds all Company Directors liable in ensuring their workers' safety and health. Under section 48(1)(b) of the WSH Act, they are also responsible for proving that they had exercised due diligence to prevent workplace



CONFINED SPACE OR WORKING AT HEIGHT

- A definition of confined space is a "space that:-
 - Is large enough and so configured that an employee can bodily enter and perform assigned work; and
 - Has limited or restricted means for entry or exit (for example, tanks, vessels, silos, storage bins, hoppers, vaults, and pits are spaces that may have limited means of entry); and
 - Is not designed for continuous employee occupancy."

从高空坠落造成人员伤亡的事故时有发生。请参照以下检查表，确保工人安全。请登录 www.wshc.sg 以了解更多详情。

公司名称 _____ 流程/地点 _____
检查者 (姓名/职衔) _____ 日期 _____

安全指示	请打勾 (✓) 是 否 NA*	如果答否, 必须采取适当措施:
在洞口四周有设置稳固的屏障以防止坠落意外。	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	姓名: _____ 日期: _____
在楼梯的开放侧边安装扶手与护栏。	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	姓名: _____ 日期: _____
在开放侧边有安装护栏以防止工人坠落。	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	姓名: _____ 日期: _____
搭建的工作平台有经证明稳固安全合格。	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	姓名: _____ 日期: _____
提供工人安全的出入口通道。	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	姓名: _____ 日期: _____
提供个人坠落防护装置与稳固的固定点, 以及正确使用的方法。	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	姓名: _____ 日期: _____
工作场所整洁妥当。	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	姓名: _____ 日期: _____
高空作业是由一名经授权的督工所监督。	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	姓名: _____ 日期: _____

Checklist

Working Safely at Heights

Falls from heights are a major cause of work related fatalities and injuries. It is important to ensure and maintain a safe work environment for working at heights. Use this checklist as a guide to keep you and your workers safe. For more information on how you can keep your workplace safe, go to www.wshc.sg

Name of Company _____ Process/ Location _____
Checked by (Name/ Designation) _____ Date _____

Safety Checks	Please tick (✓) Yes No NA*	If no, action required by:
Openings into or through which a person could fall are covered or guarded with effective measures.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Name: _____ Date: _____
Staircases have handrails and toe boards on both sides.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Name: _____ Date: _____
Work platforms are properly secured and safe.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Name: _____ Date: _____
Safe access and egress are provided.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Name: _____ Date: _____
Workers are provided with personal fall arrest systems with sufficient and secured anchorages.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Name: _____ Date: _____
Good housekeeping is practised to prevent falls from heights due to tripping hazards.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Name: _____ Date: _____
An appointed and	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Name: _____ Date: _____

**CONFINED SPACE OR
WORKING AT HEIGHT**

Don't ASSUME – verify and check



Electric shock: it was wrongly ASSUMED that a slip ring was isolated; it was not VERIFIED. Entry to the slip ring area was not required for the activity, that is why it was not isolated. This resulted in a person being electrocuted;



Dropped scaffold plank: it was wrongly ASSUMED that dropped object protection was removed. This resulted in a scaffold plank dropping 4m onto the coating station floor when the roller box, which the plank was resting on, was opened;



Worker went into area where equipment was moving: it was wrongly ASSUMED that the pipe assembly area was isolated; it was not VERIFIED. This resulted in a work party being exposed to moving machinery where they were working;

Don't ASSUME – verify and check



What went wrong

- ✓ In all three examples, important steps in the Control of work process were omitted, for example, activities were started without complete Permit to Work or Lock out/Tag out documentation.
- ✓ Opportunities to “speak up” and potentially stop the job were missed during toolbox talks;

Don't ASSUME – verify and check



Recommendations

- Follow your company control of work processes – they are there to keep you safe;
- Do not start an activity until the control of work process, including all the necessary paperwork such as permits, JSAs, toolbox talks, etc, is complete. The paperwork is there to keep you safe;
- Inspect and VERIFY that all safeguards and precautions, as stipulated in the permits and JSAs, are in place before starting the activity – do not ASSUME they are in place;
- Don't be afraid to **SPEAK UP and STOP THE JOB** if you think that the control of work process is not being followed – **DARE to CARE**.



Don't ASSUME – verify
and check

We can do better than this?

Programme

Why Dive Checks are important -
What can go wrong?

There is no such thing as being too
cautious - But what if you forego
dive checks?

What are the consequences?



Standby Diver

Diver is ready to render
assistance to the
working diver - Diver
has to perform pre-dive
checks first



Full Dive Check
Procedure

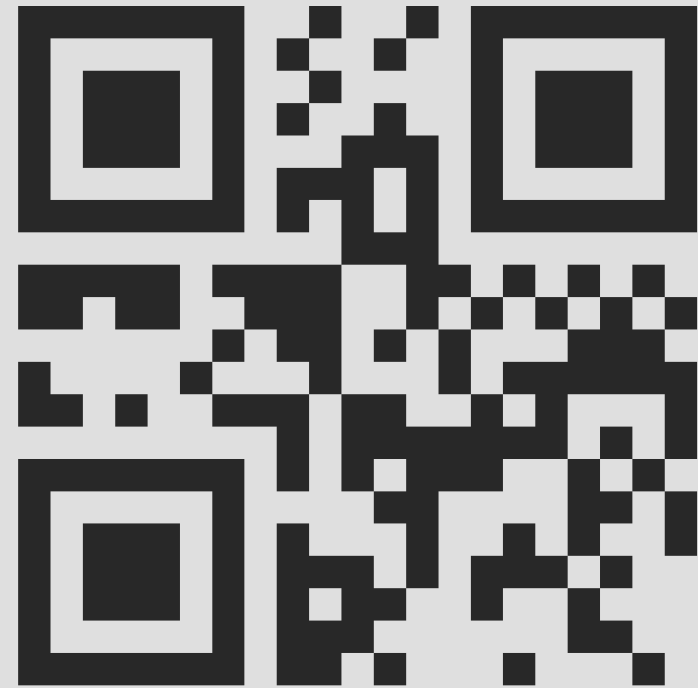
Step by step procedure
consist of
Pre dive Check
Comms Check
Bailout Check
Final Check



SPOT THE ERRORS - AFTER THE VIDEO

Spot what's
wrong?

Scan the QR code and
share your thoughts





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What did you identify wrong during the video?

① Start presenting to display the poll results on this slide.

Did you spot these?

NO DIVE KNIFE



LOCKING PIN NOT SECURED



UMBILICAL NOT SECURED



SUPERVISOR NOT FOCUSED





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PLEASE KEEP A
SAFE DISTANCE

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What other checks are required before commencing the dive?

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Other Checks?

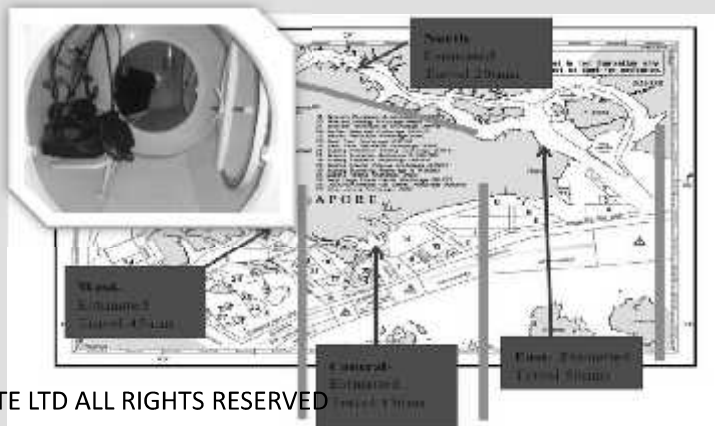
ACCESS / EGRESS



AIR SUPPLIES



EMERGENCY RESPONSE



WORK TOOLING AND EQUIPMENT



PLEASE
CONFIRM



Remember



Dive Safely.

Dive Safely.

