



Life-Saving Rules – Start Work Checks



Acknowledgements

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About

This guidance document is intended to support companies through their deployment and implementation of the IOGP Start Work Checks (SWCs). It provides a description of the Start Work Check concept, content, and a comprehensive guide based on IOGP Member Company best practices and experiences that covers the foundational steps needed for successful deployment. Additional implementation tools are available from the IOGP website.

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Introduction

In 2018, following rigorous data analysis, IOGP introduced a revised and simplified set of nine Life-Saving Rules to provide workers in our industry with the actions they can take to protect themselves and their colleagues from fatalities (refer to IOGP Report 459 – *Life-Saving Rules*). With this document, IOGP launches the Start Work Checks (SWC), a human performance tool designed to enable organizations to more effectively implement the Rules in the workplace. The SWCs are recommended for companies who have launched, or are planning to launch, the Life-Saving Rules.

The Checks enable frontline workers to confirm that the controls/safeguards designed to prevent fatalities and serious injuries are in place and functioning at the exact location a task is to be done, just prior to starting it. SWCs encourage those who are performing the work to take a Go/No-Go approach, assuring workers will not start work until the controls/safeguards are physically verified.

The Checks are designed to encourage workers to have empowering conversations about what performing a task safely really means, what they need to do, and if those things are present and functioning. If not, it encourages workers to raise issues they encounter with site supervisors. The SWCs are not intended to be a tool that is used to blame workers for any reason, and are not intended to be used in investigations. For this reason, IOGP recommends that organizations decide which records they need to keep to continually improve (e.g., those that help identify systemic trends) rather than keeping records (for example, of every check performed) for evaluation of individual or team performance. Further detail can be found in Section 4 - Data Management.

IOGP also recognizes that implementing organizations will have their own culture, and that cultures may differ from site to site, even within the same organization. Organizations should consider cultural and other contextual factors as they prepare to deploy the Checks throughout their organization, and include the intent and content of the SWC in their communication plans for their workforce including their contractors.

1. Design of the Start Work Checks

1.1 What the SWC cover and their relation to the Life-Saving Rules

IOGP developed thirteen Checks, six of which directly relate to a Rule (Checks 1-6). Seven (Checks 7-13) were developed to address particular aspects of a more generic Rule, to combine multiple Rules into an activity, or for high-risk activities that, historically, have been identified as a cause for oil and gas industry fatalities or serious injuries.

The thirteen Checks are:

- 1) Confined Space
- 2) Driving
- 3) Energy Isolation
- 4) Hot Work
- 5) Safe Mechanical Lifting
- 6) Work at Height
- 7) De-isolation and re-energizing
- 8) Excavation
- 9) Man-riding
- 10) Work around mobile equipment
- 11) Energized/live electrical systems
- 12) Work near water
- 13) Rig floor tubular handling

The Checks and the Rules are different tools: the Rules help with communicating and drawing attention to the most critical and lifesaving actions a worker can have control over. The Checks are a practical tool that assure the worker that the control/safeguards described in the Rules are present and functioning before they go ahead with task. Because of this, the Start Work Checks must be directly relevant for the task about to be performed, and therefore they cannot have a 1-to-1 relationship to the Rules, as some of the Rules (e.g., Line of Fire) are generic. Some of the notable continuities and differences between the Rules and the Checks include:

- The Line of Fire Life-Saving Rule is reflected throughout the Checks, but more obviously present in:
 - Work around mobile equipment
 - Work near water
- Although there is a safe mechanical lifting SWC, a separate Check for Man-riding has been created, as this is a unique activity and only applicable on drilling rigs
- Aspects of the Rules for Confined Space Entry, Line of Fire, and Energy Isolation appear in the Excavation SWC
- Unique Checks for de-isolation and re-energizing, associated with reinstatement after energy isolation, have been created to explain each step more thoroughly.
- For activities that require a Permit To Work (PTW) to be completed, work authorization will be confirmed using the applicable PTW system in place. Having a robust PTW system has been identified as a fundamental requirement that should be in place prior to an organization implementing the LSRs. Therefore, there is no specific SWC for work authorization.

1.2 Purpose

The SWCs are designed to:

- Help reduce human error and its effects
- Protect frontline workers at the point of risk
- Raise workforce awareness of required actionable lifesaving controls/safeguards
- Provide an opportunity for required controls/safeguards to be verified before work starts
- Enable a Go/No-Go decision prior to work starting
- Change focus from workers having the responsibility to "Stop Work" if something is not right, to assuring controls/safeguards are in place and functioning as designed and it is ok to start.
- Engage frontline leaders in providing and implementing the lifesaving control/ safeguards expressed in the SWCs
- Introduce human performance principles in the form of an easily implementable checklist

The SWCs are not intended to:

- Be a 'paper exercise' or 'check the box exercise'
- Be used in any way to blame individuals if something goes wrong
- Replace a company's safe work systems and procedures, such as Permit to Work

1.3 Features

The key features of the SWCs include:

- The Check items: simple statements to confirm that lifesaving controls/safeguards are in place
- A guidance section with best practice and examples describing how confirmation(s) should occur: the guidance text can be modified by the implementing organization to align with their management system, or, for example, the regulatory requirements applicable at a particular location
 - This guidance has, where possible, been based on IOGP Reports (in particular Reports 577 and 365) or other internationally accepted industry best practices (such as guidance from OHSA, Step Change in Safety, and DROPS online)
- Simple, easy to follow diagrams aid user understanding of the steps and should be referenced by workers using the SWCs
- Worker confirmation followed by independent verification for each step provides a dual assurance approach (an extra of set eyes to identify hazards)
- If any step cannot be confirmed or verified, workers should stop and seek help



Figure 1: Features of a Start Work Check

1.4 The Start Work Checks – a human performance tool

Human and organizational performance recognizes that people interact with each other, plants, and processes as part of a complex system. Within the system are latent conditions that can make errors more likely. These conditions are undetected deficiencies that may lay dormant in work systems/processes and degrade the integrity of the controls. When multiple latent conditions exist, the result is additive, and can lead to a more complex failure. Since human error will never be eliminated entirely, we try to make sure that our most critical tasks and barriers are resistant to errors.



Figure 2: Examples of error precursors

Workers are essential in maintaining our controls and safeguards. They can, and often do, "save the day". They are dedicated to performing their task accurately and efficiently. They are creative problem solvers, who rely on their education and experience to navigate a dynamic working environment. With this ability also comes the opportunity for human error. Actions leading to errors are rarely malicious and usually make sense to them at the time.

If we understand that errors are typically due to latent conditions in the system, and that human error will never be eliminated entirely, then we need to try to make sure that our most critical tasks, controls, and barriers are resistant to error. Error-resistant systems decrease reliance on the workers themselves as controls. The SWCs have human performance at their core: they give the worker a tool to verify and validate that the system's controls, equipment, and conditions are present as intended and that it is safe to begin work. This proactive verification/validation step acts as an additional layer of protection for frontline workers, helping to make sure that latent conditions haven't surfaced unnoticed. The Checks have three human performance aspects as part of their design:

- Place keeping (by marking each step as complete)
- Peer review (the Verifier role)
- Stop and seek help (the instructions on the form for what to do if something can't be confirmed)

For an effective safety culture, the leadership team must be visible, engaged, and supportive of safety teams and workers as they identify and mitigate hazards. Leadership should encourage communication about potential conditions and have an attitude of learning and listening. With this openness, workers understand the importance of communicating hazards as well as solutions. The Checks should be an enabler of such conversations, empowering workers, and helping to foster a culture of improvement. Leaders at all levels need to understand the intent of the Checks, how they should be used, how they should not be used, and be coached on how to discuss the Checks with their teams.

2. Implementation requirements

Successful implementation of the Start Work Checks requires the following:

- That organization(s) have an existing management system, and have implemented the following supporting policies, processes, and systems:
 - Work Authorization/Permit to Work system.
 - Contractor (and subcontractor) management program, including bridging arrangements, if applicable (see IOGP Reports 423 and 432 for further guidance).
 - Journey Management Program (See IOGP Report 365-19 for further guidance)
 - Management of Change
 - Functioning processes for hazard identification and awareness, risk assessment and control/safeguard management
- A leadership and frontline worker commitment that **work does not start** until all individuals involved are aware of and can confirm they have discussed the relevant SWCs
- Everyone is authorized and empowered to intervene or **stop work** without adverse consequences if they are in any doubt about the safety of an activity at any time.
- A pre-job assessment and safety discussion are conducted prior to starting a task.
- Personnel are trained and competent for the work they conduct.
- Equipment is fit for purpose, properly maintained, and in working condition.
- Emergency response plans and resources are in place and periodically drilled/tested to enable effective response.
- Personal protective equipment is provided and worn in accordance with the requirements specified by the risk assessment and worksite policies.
- An understanding of human performance principles; for further guidance, see:
 - IOGP Reports 452, 453, 552 and 621, available from <u>www.iogp.org/bookstore</u>
 - The many resources available through the Human Performance Oil & Gas website - <u>www.hpog.org</u>

3. How to use the Start Work Checks

3.1 Process

What:

All Checks that apply to the task ahead should be used, whether a Permit to Work is required or not.

To enable work crews to implement SWCs, the Checks should be made available in an easily useable format such as paper copies, an erasable hard copy format, electronic formats, (e.g., mobile device app) or a combination of these.

When:

The SWCs create an opportunity for the work crew to walk through and talk through the task to be performed. To be effective, this should be done where the plant or equipment is located, just prior to starting work (i.e., where the task is actually carried out, with the tools and equipment about to be used/worked on). Additionally, the SWC's can be used:

- Anytime the jobsite is left unattended, e.g., after a work break, or for any other reason
- After a shift change
- If work extends beyond a single shift
- If the work crew changes
- If there is a change in personnel within the work crew
- When requested by frontline supervisors
- To reinforce stop work authority if any of the work team have concerns over the status of the controls/safeguards during the task.

Who:

- Person performing work: Member(s) of the specific work crew (or a lone worker) that is about to do the task the Check is relevant for (more details in section 3.2).
- Verifier: Someone other than the worker confirming the SWC steps, who is an experienced person familiar with the activity, and performs a peer-review of the Check (more details in section 3.3)

How:

- The person performing the work visually and/or physically checks the controls/ safeguards in each item, marking them as 'checked'.
- If the SWC is to be jointly completed by a work crew, each check item could be confirmed by one individual only (e.g., the same crew member visually/physically confirms all aspects described in one row and marks it 'checked', a second crew member can take the next row and so on). Or an item could be done collaboratively, with multiple crew members confirming aspects together, there may be occasions where this is more practical.

- To complete a SWC, all members of the work crew must agree the check items are in place and fully functioning.
- The verifier then performs a peer-review, going item-by-item and marking them 'verified'.
- If all items in a Check are confirmed and verified the Check is marked complete and work can start.
- If any item cannot be confirmed or verified, the Check cannot be completed and the person performing work or the verifier stop and seek help.

This process can also enable the crew to identify and discuss:

- Any steps or responsibilities that may be confusing
- Any factors that could make a mistake likely
- Any factors that may make the task difficult to perform
- How to resolve identified issues before starting the task
- When to stop work, what to do and where to seek help

3.2 Person Performing Work role and responsibilities

The 'person performing work' confirms the SWC prior to starting work. If the control/ safeguard cannot be confirmed and verified (by a designated 'verifier') the worker should stop and ask for help before starting the task.

The Person Performing Work:

- Knows the requirements of the Life-Saving Rules and the SWC
- Confirms that the identified controls/safeguards are in place and functioning prior to starting the task. This requires:
 - Having the SWC form available during confirmation
 - Physical confirmation that each control/safeguard is in place
 - Marking (e.g., by initialling) the form to indicate each control/safeguard on the Start-Work Check has been confirmed. This may differ based on the implementing company's strategy and exact tools being used
- Stops when a check cannot be confirmed and knows who to contact for help if a control/safeguard cannot be confirmed
- Informs the crew supervisor when SWC requirements are complete
- Waits to start work until all controls/safeguards are verified by the assigned Verifier

The Checks provided by IOGP include a column to mark each step as checked. This can be done in many ways (e.g., by initialling that column, or crossing over the item). Marking each step as 'checked' is recommended by IOGP to make sure Check items aren't missed. Implementing organizations may want to adapt that to their culture or for specific sites.

3.3 Verifier role and responsibilities

The verifier plays an essential role in confirming all SWC controls/safeguards are in place and functioning after the person(s) performing the work have completed their confirmations. The design intent of the Start Work Checks is for the verification to function as a peer review, a secondary confirmation of the LSRs. The verifier role should be performed by someone other than the worker confirming the SWC steps. The role of the verifier adds an additional layer of assurance for controls/safeguards that prevent fatalities and serious injuries.

Organizations should assign the verifier role carefully. Considerations should include:

- Demonstrated competence for the task to be verified, including an understanding of the importance and functionality of the controls/safeguards
- Availability of an assigned verifier to engage with of the work crew prior to the start of the task
- The best verifier is the person who has operational understanding of the task and the effectiveness of the safeguards.

If a PTW is required, the verifier should not be the permit holder. The verifier role does not replace the accountability of a permit holder or person in charge.

The Checks provided by IOGP include a column to mark each step as verified. IOGP considers the use of the verifier role as a good complement to the effective use of the SWCs. However, it is recognized that organizations may have alternative effective methods to assure controls/safeguards prior to work execution. Therefore, organizations may elect to modify this role to suit their business needs.

There may be situations where organizations may determine that the role of the verifier may be performed remotely. Organizations should follow established organizational requirements for verification of activities completed by lone worker(s). Where applicable, remote verification (e.g., phone, email etc.) can be used to allow offsite verification in accordance with company processes.

Responsibilities of Start Work Verifier:

- Visually verifies that the identified controls/safeguards have been put in place by the people performing work prior to the start of work.
 - Has Start-Work Checks in hand during verification
 - Physically verifies each safeguard is in place
 - Marks each safeguard on the Start-Work Checks
- Seeks help when Start-Work Checks cannot be completed.
- Records name, role with signature and date on the Start-Work Check, as required by implementing organization
- Re-verifies Start-Work Checks when:
 - Work scope or conditions change
 - Work extends beyond a single shift or when crews change
 - Work site is left unattended, e.g., after breaks, lunch, or emergencies
 - Requested by the Supervisor

Requirements for Start Work Verifier:

- Understands the work activity, hazards, and controls/safeguards associated with the task and work environment
- Understands the equipment and tools used to conduct the work
- Knows how to use the Start Work Checks
- Knows and can demonstrate what to do or whom to ask when a check cannot be verified
- Worker who is not directly exposed to the hazard, e.g., a worker at height or into a confined space

The Start Work Verifier should verify the Checks involving the work crew and ensure the controls/safeguards are in place and functioning. If any concerns related to the controls/ safeguards arise, these should be discussed with the person in charge and the task should not begin until these are resolved.

4. Data Management

Each organization should decide for itself whether to collect data from SWCs. If data is collected, care needs to be taken to use data for the benefit of the workforce to address systemic areas for improvement. The data collected should not normally be used for investigative purposes. The purposes for collecting data should be defined by the organization and communicated to the workforce.

One example of using data to make improvements would be to collect when workers needed to pause work, as that could reveal system-level gaps in the process. For example, if workers continually needed to pause work because they didn't have the correct fall protection equipment, a company could review its standards, training, and processes that lead to incorrect equipment selection/availability.

5. Training

Although the Checks themselves are simple to use, workers need to be trained and competent in the work they conduct, the responsibilities and processes of using the Checks, and have knowledge and training in the Life-Saving Rules. Training in the SWCs should be delivered to the workers using the Checks and/or verifying the work activity. IOGP has made available basic training for the Life-Saving Rules and the use of the SWC, including content, application, and human performance principles. Implementing companies may wish to provide additional training in how the SWCs fit into their management system and business processes. Implementing companies may supplement training with additional coaching to maximize the effectiveness of implementation within their organization for employees and applicable contractors.

6. What does success look like?

Successful implementation should result in:

- Workforce recognition of:
 - IOGP Life-Saving Rules and SWCs as personal lifesaving measures
 - Hazards that can cause serious injuries or fatalities
 - The need for maintaining a sense of vulnerability
- Applicable SWCs are routinely completed prior to starting a task
- Work will not proceed until SWCs controls/safeguards have been confirmed to be in place, functioning, and verified
- Immediate action is taken to address any control/safeguard that is not in place and functioning, before starting work

Organizations can consider audit and assurance activities to verify successful implementation and usage of the SWCs, with a focus on continuous improvement.

7. Resources for SWC implementation

Name	Description	Audience/Purpose
Zip folder	With pdfs of all the Checks as two versions, one with editable guidance boxes, one without	Core SWCs materials for implementation
Introductory presentation	Slide pack explaining the purpose of the Checks, their design and their use	A first introduction to the Checks aimed at all, but primarily leaders Expandable to become a training deck by implementing organizations
Elevator pitch	Document with an 'elevator pitch' template and example text	Any individual working to implement the SWC, helping explain the SWC project quickly
Role card	2 documents outlining the roles of 'Person performing the work' and 'Verifier'	For implementing companies to use as they communicate the SWCs to their workforce
'At a glance' slides	Short slide pack providing an overview of the SWCs	For individuals who need a very quick overview of the SWCs

Table 1: SWC implementation resources

Appendix A -Glossary

Term	Defintion
Verifier	The role of confirming all SWC controls/safeguards are in place and functioning after the person(s) performing the work have confirmed their checks.
Dual Assurance	Checking to confirm requirements are in place and functioning and then having these Checks verified by another person (a verifier).
Stop Work Authority	The power given to workers to stop work and intervene if they observe an unsafe activity (in the context of this document, this includes noncompliance with an IOGP Life-Saving Rule or Start Work Check action).
Latent Conditions	Latent conditions are conditions which not easily anticipated or identified by reasonable observation or investigation, such as during an inspection, which may remain hidden even after a considerable amount of time. These conditions may be associated with operational practices, human error and/or the design of facilities, systems, or equipment.
Frontline Worker	Frontline workers are personnel who are directly involved in operational and/or maintenance activities.
Frontline Supervisor	Frontline supervisors are personnel who supervise workers who are directly involved in operational and/or maintenance activities.

From IOGP-IPIECA Report 510 - Operating Management System Framework for controlling risk and delivering high performance in the oil and gas industry

Accountability	An individual's formal acceptance of their obligation to justify decisions, actions, or outcomes.
	An accountable person (manager or worker) does not necessarily implement the action or decision, but they should organize the implementation and verify that the action has been carried out as required. OMS accountability includes system ownership. This may involve responsibilities related to policies, governance, systems, administration, implementation, performance monitoring and review at the asset, business or corporate level.
Activity	Defined work of an asset, business or company that results in specific, measurable outputs.
	"Activities" in this guidance is a general term that may include individual tasks or groups of tasks, or it may define entire operations, initiatives or projects of the company. For the petroleum sector, example activities at the company level include oil and gas exploration, drilling, production, and processing, refining, and transport and marketing of products. Activities should also be considered for all periods of the asset or business lifecycle – for example, construction and decommissioning projects.
Audit	A formal, scheduled evaluation of an activity or asset with pre-determined objectives, criteria and protocols to test compliance against OMS expectations, implementation and/or performance.
	Audits vary in extent of independence and impartiality. This depends on whether the assessment is performed locally within an activity or asset based on "self-assessment"; by auditors appointed internally from other parts of the organization; or by third party auditors who are external to the company (imposed, invited).
Competence/ Competent	The combination of skills, experience and knowledge of a manager or member of the workforce that has been confirmed through assessment.
	Competence is assessed for an individual in a post that has a clearly defined profile setting out the job requirements. Competence is regularly re-assessed with a frequency determined by the criticality of the role.

Term	Defintion
Consequence	A quantitative or qualitative measure of an adverse or beneficial outcome from an activity.
	Consequences could include harm to people, impact on the environment, effects on health, societal impacts, non-conformance to quality standard, security breaches, damage to property etc. Consequences may be "actual", resulting from an outcome such as an incident or exposure, or they may be "potential", based on an outcome that could have occurred for the same activity but with a variation in circumstances.
Continuous improvement	An ongoing effort to achieve better OMS performance by application of a systematic process of planning future activity based on results and feedback from prior plans.
Contractor	An individual or organization performing work for the company, following verbal or written agreement.
	"Sub-contractor" is synonymous with "contractor" as applied in this document, so includes an individual or company performing work under contract to either the company or another contractor for the benefit of the company.
Culture	The product of individual and company values, attitudes, competencies and patterns of behaviour within its organization.
	The culture of an organization reflects its commitment and approach to effective risk and operating management.
Employee	An individual on the payroll of a company, including corporate and management personnel.
	An individual employed under a short-term or part-time contract is considered an employee provided they are paid directly by the company.
Event	An unintended or uncontrolled outcome of an operating activity that has, or could have, contributed to harmful consequences to people, property or the environment.
Exclusion Zone	Barricaded No-go areas where it has been identified a risk for workers to be in the area due to potential harm from items such as dropped objects or lifted materials.
Hazard	An object, physical effect or condition with the potential to harm people, the environment or property.
Implementation	The execution from initiation to completion of a planned activity, action, process or practice to meet an objective.
Incident	An event or chain of events that has resulted in harmful consequences, such as injuries, illnesses, property damage or environmental impact.
Integrity	The consistent design, construction and maintenance of assets and activities to achieve safe and reliable operations and products.
Job	An operating activity or any distinct task within it.
Leader	Any workforce member who influences or directs the actions of others.
Likelihood	The probability of a specified outcome (consequence) of an activity actually or potentially occurring.
Location	A geographical site, area, country or region where an activity is taking place or an asset is situated.
Major incident	An incident that has resulted in multiple fatalities and/or serious damage, possibly beyond the asset itself.
	Typically initiated by a hazardous release, but may also result from major structural failure or loss of stability that has caused serious damage to an asset. The definition is intended to incorporate terms such as "major accident" as defined by UK HSE).

Term	Defintion
Management	The formal control and direction of activities within an organization (also managed).
Management system	A systematic and documented framework of processes used by the managers and the workforce at all levels in a company's organization to plan, direct and execute activities.
	Structured and documented set of interdependent practices, process and procedures used by the managers and the workforce at every level in a company to plan, direct and execute activities.
MoC	The management of change (MoC) process identifies risks arising from changes. It manages these risks before and during execution of the changes, thus ensuring they do not inadvertently increase risk from existing or new conditions, hazards, impacts, exposures or threats.
	MoC can apply to process changes (hardware or process conditions), procedural changes and organizational changes. The process includes steps for review and authorization prior to implementation, as well as steps to ensure that the change is communicated and pertinent documents are kept up to date
Procedure	A documented sequential description of the requirements to successfully accomplish a designated task or activity.
Process	A defined series of repeatable tasks, methods or actions to systematically achieve a purpose or specific objective.
Resource	Commodity, service, workforce or asset that is sourced or supplied to meet the needs of activities to generate products.
Responsibility	A clearly described requirement of an individual's job.
Risk	The product of the chance that a specific adverse event will occur and the severity of the consequences of the event.
Risk assessment	A process that provides a consistent and comparable evaluation of the relative level of different risks introduced by company activities.
Control/	A barrier implemented within an activity designed to eliminate or mitigate a risk or range of risks
Safeguard	A risk control may take the form of "hard" barriers based on engineered, physical solutions to prevent or avoid a risk, or "soft" barriers relying on compliance with operating plans, procedures and competence of the workforce. Normally, multiple risk controls or "layers of protection" are implemented to achieve risk acceptance.
Standard	Documented requirements, rules or instructions that support company policies in relation to specific activities or to address specific risks, threats or impacts.
Task	Specified work undertaken by the workforce that is part of an activity.
	Tasks are often specified as part of job requirements or as part of a procedure or plan.
Vulnerability	An object, condition or circumstance with the potential for an adverse, harmful or damaging outcome.
	Vulnerability is a general expression for more specific terms such as a hazard, effect, impact or threat related to activities, assets or projects.
Worker	An employee or contractor contributing to the overall capability of the company.
Workforce	A collective term for the human resources of the company, including all employees and contractors, and all managers and workers.

Term	Defintion					
From IOGP Report	From IOGP Report 577 - Fabrication site construction safety recommended practice					
Permit to Work (PTW)	This refers to the signed document used as part of a Permit to Work system for control of work. Based on IOGP Report 189 - Guidelines on permit to work systems.					
Permit to Work system	A Permit to Work system is a formal written system used to control certain types of work which are identified as potentially hazardous. It is also a means of communication between site/ installation management, plant supervisors and operators and those who carry out the work. Based on IOGP Report 189 - <i>Guidelines on permit to work systems</i>					
	The essential features of a Permit to Work system are:					
	 clear identification of who can authorize particular jobs (and any limits on their authority) and how is responsible for specifying the necessary precautions 					
	 training and instruction in the issue and use of permits 					
	 monitoring and auditing to ensure that the system works as intended 					

Verification	Verification is the confirmation, through objective evidence, that specified requirements have been
	fulfilled.

Appendix B -The Start Work Checks



Confined Space Entry

WHEN TO COMPLETE – Before the start of any CONFINED SPACE ENTRY activities

Confirm each control/ Guidance for confirming safeguard below before starting work			n control/safeguard		Person(s) Performing Work	Start-Work Verifier
ENERG	GY ISOLATION					
I HAVE	CONFIRMED:					
1	The confined space has been evaluated for energy isolation requirements. Does Confined Space Entry work require energy isolation? Yes: \ No: \ If yes: complete Energy Isolation Start-Work Check If no: continue to Step 2	isolation plan.	ve been identified, isolated, and locked and tagge lushed, or purged to remove explosive materials			
PRIOR	TO CONFINED SPACE ENT	RY				
I HAVE	CONFIRMED:					
2	The hazards have been identified, controlled, and it is safe to start	 Complete a task risk assessme Discuss hazards with the work Check for simultaneous operat 				
3	Gas testing frequency has been established		Qualified Gas Tester red follow-up testing are completed before starti e on a schedule for follow-up testing before starti			
4	Ventilation is in place and working	 Confined space is continuously If using mechanical ventilation: The flexible ducting is arrar Equipment is bonded and g Ventilation inlets: are not near an ignition sou will not be affected by wind, will not draw contaminated 	tions			
5	An attendant is in place and the method of communication is agreed to and tested prior to entry	 The attendant describes their n 	on communication methods (e.g., hand signals, r confined space is from the confined space ace for changing conditions			
6	My breathing apparatus is in good working condition. If no breathing apparatus is required: Continue to the next step.		nplete, certified, and in good working condition breathing air and is properly connected ctioning prior to entry			
7	The rescue plan is in place and ready to be used	 Rescue equipment is at the job 	equipment per plan (e.g., harnesses, retrieval dev related to this task	·		
	Confi		rds are in place and verified prior to si eek help if anything changes.	tarting worl	k	
	Printed Nar		Signature	Date		
Start-W	/ork Verifier					



Confined Space Entry





De-Isolation & Re-Energizing

WHEN TO COMPLETE – Before the start of any DE-ISOLATION & RE-ENERGIZING activities

Confirm each control/ safeguard below before starting work			Guidance for confirming e	ach control/safeguard		Person(s) Performing Work	Start-Work Verifier
I HAVE	ECONFIRME	D:					
1	Circuit, syst or equipmen de-isolated/ energized is identified in isolation pla drawing	nt to be /re- s the one the	de-isolated/re-energi Note : Confirm circuit, s	ntify the circuit, system, and zed ystem, and/or equipment is ed (e.g., all work has been o	s ready to be de-		
2	 Physically inspect: Physically inspect: Work area to confirm all mechanical, process, and electrical isolations were removed per plan Bleed and vent points to confirm they are closed/open per plan or procedure 						
3	 Personnel in/near the work area or affected by the re-energizing of circuit, system, and/or equipment are aware it is ready to be put back in service Personnel are not in the Line of Fire of re-energized potential hazardous energy sources (e.g., electrical, pressure, hydraulic, mechanical, etc.) 						
4 The circuit, system, and/or equipment is ready to be re- energized per plan or drawing				or equipment is ready to be em/equipment operating pr	•		
		Conf		uards are in place and veri I seek help if anything char		rk.	
		Printed N	Name & Role	Signature	Date		
Start-V	Vork Verifier						



De-Isolation & Re-Energizing



	G Intern Asso of Oil Prod	ciation &Gas ucers		Star	rt-Work	<u>c</u> Chec
		E – Before the start o	of any DRIVING activities	5		
safegu	rm each control/ uard below before ng work	Guidance for confirming ea	ich control/safeguard		Person(s) Performing Work	Start-Wor Verifier
I HAVE	E CONFIRMED:	1				
1	A plan is in place to manage the journey hazards	 the destination route to be taken local traffic weather and road conditi designated emergency cc The driver is authorized and h The driver has allocated time 				
2	The driver is fit, rested and fully alert	 not under the influence o to drive Controls are in place to mana maximum driving times 	 The Driver is: well rested fit to undertake the journey not under the influence of drugs, alcohol, or medications that may impair their ability to drive Controls are in place to manage personal fatigue, including: maximum driving times minimum hours of rest prior to driving 			
3	The driver is familiar with local road and driving regulations	The driver is familiar with spe (e.g., radio channels to be use	ed limits, local signage, and general comn ed, if applicable)	nunications		
4	The driver is aware of anticipated road hazards and weather conditions	The driver has checked weath (pavement, gravel, road work	her (rain, ice, snow, flooding), traffic, and r /s) conditions	oad		
5	A pre-trip, walk-around inspection has been completed to confirm the selected vehicle is fit for the journey	The vehicle is: - in good working order - fit for the journey - equipped for anticipated	- in good working order			
6	The objects inside and outside the vehicle have been secured prior to the trip					
7	All vehicle occupants are using their seatbelts	Seatbelts are in good working restraint)	g order, and are being worn properly (e.g.	with a three-point		
8	A plan is in place to eliminate or minimize distractions while driving	 Incoming calls are to be on the other sectors and the other sectors are sectors and the other sectors are sectors are sectors and the other sectors are sectors a	ith a phone or operate a mobile device wh diverted while driving afe area to interact with any phone or mo , GPS/mapping/directional guidance) are	bile devices		
	Con		ards are in place and verified pr seek help if anything changes.	ior to starting wo	rk.	
		me & Role	Signature	Date		





Energy Isolation

WHEN TO COMPLETE – Before the start of any ENERGY ISOLATION activities

safegu	rm each control/ Guidance for confirming each control/safeguard Peri uard below before Peri ng work Wor					
I HAVE	E CONFIRMED:					
1	The circuit, syster and/or equipmen worked on is iden in the isolation pl drawing	to be isolation plan or dra	dentify the circuit, system, and/or equip awing	pment indicated by the		
2	All hazardous ene sources have bee identified	 Discuss hazards with Inspect equipment hydraulic, mechanic 	 Complete a task risk assessment specific to the scope of work Discuss hazards with the work team prior to starting work Inspect equipment for potential energy sources (e.g., electrical, pressure, hydraulic, mechanical, etc.) Identify and mitigate hazards on any nearby energized circuit/systems/ equipment 			
3	Isolation points an identified per the isolation plan and drawing	diagram, equipmen	 All isolations points are in place and tagged or marked (use an isolation diagram, equipment isolation procedure, P&IDs, or process flow diagram) 			
4	Isolation devices set in the identific position per isola plan or drawing	• Blinds, spades and • stamped or certi - installed per the	 Valves are open or closed per the diagram and/or plan Blinds, spades and skillets are: stamped or certified for the pressure rating of the equipment installed per the diagram and/or plan Electrical isolation points are open/switched off or disconnected from power source 			
5	The locks and tag are installed on th equipment/device the isolation plan	equipment isolation sper Lock out tagout dev Keys are in a design Note: If a lock is unab	 All isolations are in place and tagged or marked (use an isolation diagram, equipment isolation procedure, P&IDs, or process flow diagram) Lock out tagout devices are on isolation points Keys are in a designated secure location Note: If a lock is unable to be placed, confirm hazardous energy source(s) points are isolated and secured per isolation plan 			
 Systems (lines, gate has been verified, proven, and demonstrated Systems (lines, gate - Check bleed an - Check gauges, Note: If zero energy is - Confirm control 		ven, , - Check bleed and - Check gauges, r Note: If zero energy is - Confirm controls	red equipment cannot be started ges, etc.] have been tested for residua d vent points are open to release stored measurements, and volt meters of not possible, STOP and: s/safeguards are in place, functioning, manage the risk from residual energy	d energy		
			afeguards are in place and verified and seek help if anything change			
	Pr	inted Name & Role	Signature	Date		
Start-	Work Verifier					





Excavation

WHEN TO COMPLETE – Before the start of any EXCAVATION activities

safegu	m each control/ uard below before ng work	Guidance for confirming each control/safeguard	Person(s) Performing Work	Start-Work Verifier
ENERG	Y ISOLATION			
I HAVE	CONFIRMED:			
1	The excavation has been evaluated for energy isolation requirements. Does excavation require energy isolation? Yes: No: I If yes: complete Energy Isolation Start-Work Check	 All potential energy sources have been identified, isolated, and locked and tagged per isolation plan The underground utility has been drained, flushed, or purged to remove explosive materials or gases 		
	If no: continue to Step 2			
PRIOR	TO EXCAVATION ACTIVITIES			·
I HAVE	CONFIRMED:			
2	Underground utilities are visibly marked (e.g., pipelines, cables, communications, power)	 Local utilities have been consulted about the dig so they can identify their lines (use programmes like Dial Before You Dig (UK) or Call 811 (US)) Underground utilities are visibly identified with flagging or paint Depth and width of utilities or structures are known before digging Before starting mechanical excavation, actions have been taken to locate and expose underground line/utility and structures (e.g., probing, hand digging, soft digging, air knifing, hydro-vac) 		
3	Excavation equipment maintains minimum clearances from overhead obstructions	 The exact location, height, and voltage of overhead power lines have been identified Maintain identified minimum distance between equipment and energy source To help with this, use flagging or barriers on overhead power lines 		
4	Excavation area is secured and barriers are in place to prevent unauthorized access	 Excavation area is visibly identified with caution tape, silt fencing, or other visual identification Excavation area is secure from unauthorized access No personnel are in line-of-fire hazards (e.g., swing radius of excavator, discharge side of trencher) Only essential personnel/crew are in the area where the excavation work is occuring 		
5	Soil stability has been assessed and controls/ safegaurds are in place per excavation plan	 A competent person assessed the soil type to define the excavation safeguards Excavations have a protective system (sloping, shoring, or shielding) in place, as applicable Storage of excavated material is at least 2 ft (0.61 m) from the edge of excavation Ensure stability of adjacent utiliues/structures potentially affected by excavation through means of shoring, and underpinning 		
6	Equipment stability and potential for unplanned movement have been assessed	 Equipment, load, and ground surface have been assessed for stability Verify: load securing workplace conditions/travel path equipment capacity Equipment maintains safe distance from the unprotected edges of excavation or trenches to prevent cave ins 		
HOLD	POINT Continue if personnel er	ter excavation		
I HAVE	CONFIRMED:			
7	The excavation has been evaluated to determine if it is a confined space. Is excavation a confined space? Yes: No. If yes: complete Confined Space Entry Start-Work Checks If no: continue to Step 8	 The excavation has been evaluated to determine if it is a confined space (trench depths greater than or equal to 4 ft (1.2 m) with vertical walls and limited access/egress) If the excavation is a confined space, follow the organization/company's confined space guidance, local regulations, and complete the Confined Space Entry Start-Work Check 		



Excavation

Confirm each control/ safeguard below before starting work		Guidance for confirming each control/safeguard			Person(s) Performing Work	Start-Work Verifier
8	A plan is in place to protect personnel entering the excavation from: • cave in • hazardous atmosphere • water accumulation	rsonnel entering the • Protective systems are in place and may include: cavation from: - bracing vave in - shoring azardous atmosphere - underpinning				
9	 Excavations deeper than 4 ft (1.2 m) have access and egress There is a safe means of access and egress when entering an excavation greater than 4 ft (1.2 m) in depth, up to 25 ft (6.7 m) of lateral travel. Examples are: ladders stairways ramps sloping for ingress/egress 			than 4 ft		
	Conf		rds are in place and verified prior to sta eek help if anything changes.	arting wo	rk.	
	Printed Nar	ne & Role	Signature	Date		
Start-W	Vork Verifier					





Hot Work

WHEN TO COMPLETE – Before the start of any HOT WORK activities

safegu	rm each control/ uard below before ng work	Guidance for confirming e	ach control/safeguard		Person(s) Performing Work	Start-Work Verifier
ENER	GY ISOLATION					
I HAVE	E CONFIRMED:					
1	The Hot Work has been evaluated for energy isolation requirements. Does Hot Work require	tagged per isolation plan	ined, flushed, or purged to remove fl			
	energy isolation? Yes: 🔲 No: 🗌					
	If yes: complete Energy Isolation Start-Work Check					
	If no: continue to Step 2					
PRIOR	TO HOT WORK ACTIVITIES	5				
I HAVE	E CONFIRMED:					
2	The hazards have been identified, controlled, and it is safe to start	 Complete a task risk assessment specific to the scope of work Discuss hazards with the work team prior to the start of work Check for simultaneous operations that may introduce any additional hazards 				
3	Is the Hot Work in a hazardous area? Yes: D No: D If Yes: Confirm the initial gas test has been completed If No: Move to Step 5	 The initial gas test has been completed by a Qualified Gas Tester: At all openings below and above the hot work area At a minimum distance around the hot work area Gas readings are within the required range Note: Confirm gas testing outside of defined hazardous area if required for other reasons. Gas testing should be in compliance with company requirements and applicable regulations.				
4	The Hot Work atmosphere will be continually monitored	• Follow-up test frequency is documented (e.g., in the permit) before starting work Note : "Continually" monitored means periodic monitoring of the atmosphere with a defined frequency or continuous monitoring throughout the duration of work activities.				
5	Ignition sources are identified and controlled	 Barriers are in place to prevent ignition in the hot work area: Drains, gaps, openings in tanks or piping have been covered/sealed Vents are isolated/routed away from the area A trained Fire Watch has been designated and is at the work location Firefighting equipment is inspected, on site, and fully functional 				
6	Flammable/combustible materials have been removed or isolated		ole materials have been removed or, i kets) are in place to shield them from			
	Confi		uards are in place and verified p seek help if anything changes.	rior to starting wo	rk.	
	Printed Na	ame & Role	Signature	Date		
Start-	Work Verifier			Bate		




Energized/Live Electrical Systems

WHEN TO COMPLETE – Before the start of any ENERGIZED/LIVE ELECTRICAL SYSTEMS activities

Confirm each control/ safeguard below before starting work			confirming each control/safeguard Person(s) Performing Work			
I HAVE	E CONFIRMED:	l				
1	The authorized w has been reviewe agreed to		scope per the approved work permit work considerations if work situation changes			
2	Circuit/equipmer be worked on is t identified in the p	he one	be worked on is correct using tag numbers or cable ma	arkings		
3	Personnel are we PPE rated for: • The electrical h • The electrical v prior to enterin access restricte	azard flash) • Personnel are oltage the restricted g any	 Crew has knowledge of electrical hazards (e.g., voltage, single phase/three phase, and arc flash) Personnel are wearing PPE rated for the electrical voltage (e.g., arc flash) prior to entering the restricted approach boundary and it has been inspected and is free from damage 			
4	Restricted access have been identif barricaded	ied and requirements • Barriers are i	ss to defined areas according to company policy and/or s (e.g., NFPA 70E) in place to limit access to the work area a is monitored to prevent unauthorized access	applicable regulatory		
5	An electrical star person is in place work activities. If an electrical st not required, con the next step.	e during or applicable - Monitor p andby is - Monitor th	ectrical person(s) is present at the work area according regulatory requirements (e.g., NFPA 70E) and their resp rersonnel entering the restricted area he area for changing conditions re emergency rescue response if needed			
6	Communication p the electrical sta person has been	agreed to Communicati	ation plan has been discussed with qualified electricians ion plan has been agreed to and tested with the work cri k signals itiate emergency response plan			
7	The insulated too testing equipmen • certified • inspected • free from dama • rated for the tas	t are:	 Insulating materials such as rubber matting or screening are in place Only insulated tools that have been rated/certified for the equipment's maximum voltage are used Conduct a voltage function test prior to using testing equipment 			
8 An emergency response plan is in place and is ready to be used		nd is (e.g., electrica • Methods of correscue team • Rescue equip • The rescue te - is availabl - is aware co				
		Confirm these cont	trols/safeguards are in place and verified p Stop and seek help if anything changes.			
		Printed Name & Role	Signature	Date		
Start-V	Vork Verifier					



Energized/Live Electrical Systems





Man-riding

WHEN TO COMPLETE – Before the start of any MAN-RIDING activities

Confirm each control/ safeguard below before starting work		Guidance for confirmi	ning each control/safeguard Person(s) Performing Work			Start-Wor Verifier	
I HAVE	E CONFIRMED:						
1	Personnel involved with the man-riding operations are qual to perform their tas	responsibilities	or, and Spotter have all been trained	and can describe their			
2	The man-riding equipment is: • certified • inspected • rated for the task	 Rigging equipment, 	ed as suitable for man-riding including cable, inspected for wear, per work-at-height requirements sing, inspected	/defects			
3	All rotating or movin equipment close to man-riding activitie are secured to preve unplanned moveme	ment close to are not moving (e.g., set the brake for the traveling block, lock out tag out) riding activities iding activities icured to prevent iding activities					
4	Communication methods have been agreed to by the workers	for movement of rid	nals, confirm common understandi	-			
5	The tools/materials being used at heigh are secured	 Materials used at h Cover openings to la 	ts have securing wire/lanyards/tethe eight are secured in storage boxes, p ower levels (e.g., gratings, gaps, etc. company dropped object prevention sol register)	oouches, bags etc. .) or use debris nets			
6 Barriers and drop/ exclusion zones are in place		n • Control access to de	Establish drop/exclusion zones Control access to drop/exclusion zones during work at height (e.g., attendant or physical barriers)				
7	Rescue plan is in pla and is ready to be us	ed - How to start the - Location of resc • Confirm the rescue - is available	ue equipment and responders crew: ific hazards related to this task	including:			
_			feguards are in place and verifi and seek help if anything chan				
	Print	ed Name & Role	Signature	Date			
Start-	Work Verifier						





Mechanical Lifting

WHEN TO COMPLETE – Before the start of any MECHANICAL LIFTING activities

Confirm each control/ safeguard below before starting work		Guidance for confirming e	ach control/safeguard	Person(s) Performing Work	Start-Work Verifier
	CONFIRMED:				
1	The lift has been planned	When required, an approved lift p The lift has been assessed for: - load weight - load size - center of gravity (e.g., lifting The lifting equipment's current c	number of people required has been assessed and determine lan or procedure is in place and has been evaluated by a comp points) apacity and condition has been assessed rew have discussed the written lift plan prior to lifting		
2	The hazards are identified and controlled	 load path swing radius overhead hazards pickup/lay-down zones Check for simultaneous operatio Discuss stop work consideration 		to check:	
3	Workers involved with the lift are qualified to perform their task		 Lifting equipment operator and lifting crew are qualified to perform their task Note: To be "qualified" may require certification and/or assessment to meet company or applicable legal 		
4	The lifting equipment is stable and potential for unplanned movement has been assessed	Lifting appliance is level and/or p Matting has been assessed for si Outriggers are deployed Loads have been assessed for st - load securing - workplace conditions - travel path - equipment capacity Equipment is operated per OEM			
5	The lifting and rigging equipment is: • certified • inspected • rated for the lift	 Safety and monitoring devices ar Manufacturer's load chart is avai The rigging equipment has been The rigging equipment is rated for 	 The rigging equipment has been inspected prior to lift The rigging equipment is rated for the lift Note: If load chart does not exist, assume equipment is not rated for the lift; stop work and identify 		
6	A communication plan and responsibilities are agreed to by the lift crew	 Equipment operator and lifting c stop signals be used The person in charge of the lift h The members of the lift crew have 	hand signals, radio) have been agreed to and tested rew have discussed the emergency response, including what as been identified as per the lift plan or procedure agreed to their individual roles and responsibilities for the lift identified (banksman/flagman/dogman/spotter)	emergency	
7	The load has been inspected prior to lift	The load and its packaging of Loose objects have been secured	r integrity and stability [e.g., center of gravity] an withstand the forces/motion caused by the lift d or removed prior to lift packaged or placed in lifting basket		
8	Barriers and exclusion zones are in place	 working under suspended la moving objects dropped objects 	trolled (e.g., attendant or physical barriers)	ds, including:	
	Cor		uards are in place and verified prior to st seek help if anything changes.	arting work.	
	Printed Na	ne & Role	Signature	Date	
Start-Wo	ork Verifier				



Mechanical Lifting Ó / == 2 / == ' == 8



Rig Floor Tubular Handling

WHEN TO COMPLETE – Before the start of any RIG FLOOR TUBULAR HANDLING activities

safegu	m each control/ Iard below befor Ig work	Guidance for confirming e	ing each control/safeguard Person(s) Performir Work		Start-Wor Verifier		
I HAVE	CONFIRMED:						
1	The hazards are i controlled, and it to start	 is safe Discuss hazards with the w Check for simultaneous op Check that load path is cleated Look for equipment (winchhand crown in path of top drived the strength of the strengeheese of the strengeheese of the strengt of the strength of	es, tuggers, third party equipment, etc.) hanging between rot ive/power swivel arby hoses and cables device designed to prevent the traveling block from striking the cr floor has limits and set points in place to prevent block collisi sted for crown saver (crown out) sted for floor saver (floor out) ed per company requirements inspection is current, and conduct a reinspection in the even arring ject incident	ons			
2	Lifting and hoistir equipment is: • certified • inspected • rated for the tas	Manufacturer requirements - Elevators, slips, latches - Lift nubbins, caps, plug • Equipment has not been all • The hoisting equipment (e.e.	 The lifting and hoisting equipment has been inspected per the Original Equipment Manufacturer requirements, including, but not limited to: Elevators, slips, latches, latch locks, pins, and springs Lift nubbins, caps, plugs, slings, bails, shackles, cables, etc. Equipment has not been altered, modified, or field-fabricated The hoisting equipment [e.g., appliance and lifting accessories] is rated for the lift Worn or damaged parts are replaced 				
3	Elevator inserts h measured and are size for the tubula	e correct being lifted	measured and are correct size for the tubular and load shou	der			
4	The method used secure the elevat	ors is - The method/mechanism	ged				
5	Lift nubbins, caps are the correct siz fully threaded	ze and - match the threads of tu - be marked to indicate s - be certified for lifting (e • The work crew understands	 Lift nubbins, caps, and plugs should: match the threads of tubular(s) being lifted be marked to indicate size be certified for lifting (e.g., not a thread protector) The work crew understands: 				
6	A communication responsibilities a by the work crew	ere agreed been tested • Emergency stop signals that • The person in charge has b	I ift nubbins, caps, and plugs should be fully threaded and tightened Primary and secondary communication methods [e.g., radios, agreed hand signals] have been tested Emergency stop signals that will be used are agreed The person in charge has been identified as per plan or procedure The members of the work crew have agreed to their individual roles and responsibilities				
7	Restricted zones a identified and according to the controlled based of the controlled based of the control of t	ess is of fire hazards on activity • Access to restricted zones i	identified and controls are in place to protect people from li is controlled ed and escape routes are unobstructed and known by the work o				
			uards are in place and verified prior to starting d seek help if anything changes.	ı work.			
		Printed Name & Role	Signature Dat	2			
Start-W	/ork Verifier						





Work Around Mobile Equipment

WHEN TO COMPLETE – Before the start of any WORK AROUND MOBILE EQUIPMENT activities

safegu	m each control/ uard below before ng work	Guidance for confirmin	g each control/safeguard		Person(s) Performing Work	Start-Work Verifier
I HAVE	E CONFIRMED:					
1	Mobile equipment parking areas and travel paths have been identified for the work site	- side and overhead	area night or low visibility prior to movem	ent		
2	Controls/safeguards are in place to keep pedestrians away from mobile equipment	 dedicated walkways signage and barries 	workers and mobile equipment is eliminated or minimized by: ays/paths riers to separate pedestrians from mobile equipment paths edestrian crossing points			
3	Mobile equipment has been inspected	checked for: - signs of leaks - damage - brake functionality • Safety devices such as	eriodic site equipment inspections are of test alarms, seats, and backup alarm are tagged and removed from operation			
4	Equipment/load stability and potential for unplanned movement has been assessed	 Equipment, loads, and ground surface have been assessed for stability, taking into account: load securing workplace conditions/travel path equipment capacity 				
5	Controls/safeguards are in place to prevent impact with workers or objects	 (e.g., perform a 360° w Alternatives to rever Audible warnings are v Flagger/spotter/grownmonitor reversing oper Use a clear system (e.g., hand signals a Physical barriers are ir Define safe distance Note: Before using a flag exposed to. Take precauti 	o reversing have been assessed prior to reverse operation of equipment s are working on equipment for reverse operations ground guide is positioned out of the line of fire and is able to			
6	Controls are in place to prevent unintentional movement of mobile equipment and/or loads	 Equipment wheels are Booms, attachments, a release/movement 	n flat ground where possible chocked when there is potential for n and accessories are lowered or secure he equipment is not in operation			
	Conf		eguards are in place and verific Ind seek help if anything chang	•	rk.	
	Printed Na	ne & Role	Signature	Date		
Start-W	Vork Verifier					





Work Near Water

WHEN TO COMPLETE – Before the start of any WORK NEAR WATER activities

Confirm each control/ safeguard below before starting work			Guidance for confirmin	ice for confirming each control/safeguard			Start-Worl Verifier	
I HAVE	CONFIRMED:							
1	The hazards hav identified, contr it is safe to star	olled, and	 Discuss hazards with the Check for simultaneous Consider the controls/sa fall protection equiption 	afeguards for working close to an un	n prior to starting work that may introduce additional hazards or working close to an unprotected edge near water: safety lines, travel restraints, fall arrest]			
2				es are identified (e.g., signage, tape, clusion/restricted zones is controlled		у		
3	Workers author enter the exclus restricted zones wearing Person Devices (PFDs)	sion/ s are	 Each PFD is: approved, maintained fit for the user and ta Each PFD has been insp damage waterlogging air leaks 	ask				
4	good condition - Ingri-visioutity mark in - non-slip deck/floor: - non-slip footwear fo - walking surfaces are			ngs surface (e.g., coating, stick on strips, r slippery surfaces e clear of snow and ice e clear of oil, grease, and chemicals	sand paint)			
5	place and responsibilities agreed • The person in charge has			communication methods (e.g., radio s been identified as per the plan or p ed to their individual roles and respo r has been identified	procedure			
6 The rescue plan is in place and is ready to be used		 Location of rescue en The rescue crew: is available is aware of specific h can execute the resc 	ue response for person(s) in the wa quipment (e.g., fast rescue craft, pol nazards related to this rescue ue plan for the environment (e.g., st er flow/current, sea state)	e hooks, life rings)				
		Confi		eguards are in place and ve Ind seek help if anything ch		work.		
		Printed Nar	ne & Role	Signature	Date			
Start-W	Vork Verifier							



Work Near Water 6 7



Working at Height

WHEN TO COMPLETE – Before the start of any WORKING AT HEIGHT activities

Confirm each control/ safeguard below before starting work			Guidance for confirming each c	ming each control/safeguard		Person(s) Performing Work	Start-Work Verifier
I HAVE	CONFIRMED:						
1	The hazards are controlled, and to start		 Complete a task risk assessment Discuss hazards with the work tee Check for simultaneous operation 	am prior to the start of work	hazards		
2 My fall protection equipment is: • certified • inspected • rated • fit for the task			 Full body harness is load rated to Check every strap, buckle, fitting, a Fall arrest system contains a self Fall restraint contains a fixed lifel edge and falling Fall arrest is shorter than the pot 	s shorter than the potential fall distance I notify supervisor if the fall protection equipment has excessive wear/damage/			
3	The fall protecti is adjusted to fil		 Only full body harnesses are used Harness straps are not twisted Harness body straps are adjusted Note: Use of body belts is not allowed 	I for close body fit (i.e., no slack)			
4 The approved anchor point(s) are in place for 100% tie off			 100% tie off can occur outside of enclosed by hand raits) The anchor point meets regulator The position(s) of anchor points avait The number of anchor points avait Pull on the connecting device to to Note: Confirm anyone working at he (e.g., at least one hook must be anchild) 	y/company requirements llow for 100% tie off ilable allow for 100% tie off esi íf attachment is secure ight is 100% tied off at all times	ated work area not		
5	If a fall occurs, the fall path is clear		 Fall protection is fit for purpose to protect the worker if they fall Fall arrest distance is shorter than fall distance to first obstruction If the worker is likely to swing, check that the path is free of obstructions Mobile obstructions have been removed from fall path 				
6	The tools/mater used at height a	-	Tools used at heights have securi Materials used at height are secu Cover openings to lower levels (e. Note: Follow the site/company dropp (e.g., work at height tool register)	ired in storage boxes, pouches, b g., grating, gaps, etc.) or use de	•		
7	Barriers and dro zones are in plac						
8	The rescue plar and is ready to I		 The work crew has discussed the How to start the rescue respo Location of rescue equipment The rescue crew: is available is aware of specific hazards respondent to the rescue plan 	nse : and responders			
		Confi	rm these controls/safeguard: Stop and see	s are in place and verifie k help if anything change		rk.	
		Printed Nar	ne & Role	Signature	Date		
Start-W	Vork Verifier						



Working at Height

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This guidance document is intended to support companies through their deployment and implementation of the IOGP Start Work Checks (SWCs). It provides a description of the Start Work Check concept, content, and a comprehensive guide based on IOGP Member Company best practices and experiences that covers the foundational steps needed for successful deployment.