



**PTTEP**

PTTEP HK Offshore Limited

PTTEP Sarawak Oil Limited

PTTEP Sabah Oil Limited

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**INCIDENT (INVESTIGATION) REPORT**  
***for Malaysia Drilling operations***  
**(SEPA Infill Development Drilling Campaign/ Lost Work Day Case)**

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**Document Code: MY-SK311-90-HS-RP-0012-00**

**Effective June 2022**



INCIDENT (INVESTIGATION) REPORT for Malaysia Drilling  
Operations (SEPA Infill Development Drilling Campaign/ Lost  
Work Day Case)

MY-SK311-90-HS-RP-0012-00

### Approval Register

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THIS DOCUMENT WILL BE REVIEWED EVERY 5 YEARS FROM DATE OF APPROVAL OR  
REVISED EARLIER IF NECESSARY.



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## 1.0 INTRODUCTION

### 1.1 OVERVIEW OF THE INCIDENT

Upon landing of a bundle of drill collar pipe at starboard cantilever deck, a roustabout (Injured Person, IP) was attempting to remove the tag line. The bundle inadvertently became loose causing a joint of drill collar rolled towards IP and landed on IP's safety boot of his left foot resulting in a deep wound laceration on the pinky toe. IP received first aid treatment by rig medic and later MEDEVAC to shore (Bintulu). The X-ray result showed comminuted fracture of IP left foot's pinky toe.

#### Consequences

- Actual: Significant (LWDC)
- Potential: Significant (LWDC)

### 1.2 INVESTIGATION TEAM MEMBERS

Incident Investigation Members has been appointed as per the Incident Investigation Term of References (ToR) as enclosed in **Appendix A**.

Investigation Team Members:

#### Team Lead

Aizal Haziq bin Abdul Razak, Senior Engineer, Drilling

#### Team Facilitator

Azly Dzulkpli, Team Lead Drilling SSHE

Yati Ahmad, Senior Engineer Drilling SSHE

#### Team Members - PTTEP

Rurizalalkmal Udin, Drilling Superintendent (PLW)

Donald Tarum, Offshore Coordinator, Drilling SSHE (PLW)

Amornrat Ratanagudun, Engineer, SSHE Support (PDD)

Mohd Fitrir Ridza Nordin, Specialist, SSHE Operations and Project Support (Health) (PLS/S)

#### Team Members – Borr Drilling

John Annison, Rig Manager

Longchik Yaakob, QHSE Supervisor

Gavin James Doerr, OIM

Mohamad Gani bin Mohamad, Safety Performance Coach.

Phillip Rusden, QHSE Manager





### 1.3 INVESTIGATION METHODOLOGY

Investigation at site (onboard BORR Gunnlod) has been conducted by Gunnlod/BORR personnel:

- Visit the incident scene to visually inspect the area and equipment
- Interview witnesses.

The investigation findings then discussed with PTTEP Investigation Team Leader and members. Based on this, Root Cause Analysis has been established, followed with recommendations for corrective actions.

## 2.0 BACKGROUND

### 2.1 FACILITY INFORMATION/ PROJECT BACKGROUND

Serampang Gas Field, Block SK311, is located approximately 63 Km North-West of Bintulu in 48m water depth. The field was discovered in 2004 with 5 exploration/appraisal wells and started producing gas on 6 July 2010. The field comprises of 1 platform with total of 12 gas producers. As of August 2021, only 4 wells are producing with average gas production of 7 MMSCFD with Water-Gas Ratio (WGR) of 10 STB/MMSCF and Condensate-Gas Ratio (CGR) of 5.4 STB/MMSCF.

During 2022 infill campaign, 2 deviated wells (SEPA-10ST2 and SEPA-12ST1) were drilled in April - June 2022 for approximately 36 days including rig moves. The drilling operations were carried out by a 10K jack up rig, Borr Gunnlod (Contractor: Borr Drilling).

There were no incident recorded since the hand over of the rig to PTTEP on 6 April 2022. The rig was safely towed from Peninsular Malaysia and arrived in Sarawak on 12 April 2022. She has started the drilling operations in SEPA on 18 April 2022.



### 3.0 DESCRIPTION OF INCIDENT

#### 3.1 DETAILS OF INCIDENT

- Date of Incident: 22<sup>nd</sup> May 2022
- Location: Serampang Field (onboard Rig Gunnlod)
- Drilling Campaign: Serampang(SEPA) Infill Development Campaign
- What Happen : Drill collar rolled onto I.P left foot while removing the tag line resulting in a deep laceration wound on his pinky toe.
- Where it Happen: Cantilever deck - to lay out 4-3/4" Drill Collar from Main Deck to Starboard Cantilever Deck.

#### Incident Description:

Upon landing of a bundle of drill collar pipe at starboard cantilever deck, a roustabout (IP) was attempting to remove the tag line. The bundle inadvertently became loose causing a joint of drill collar rolled towards IP and landed on IP's safety boot of his left foot resulting in a deep wound laceration on the pinky toe.

#### Immediate action:

- Banksman stopped the job. Time off for safety (TOFS) was called with everyone involved in the task.
- IP went to sick bay accompanied by the deck supervisor (Banksman).
- Rig Offshore Installation Manager (OIM) and PTTEP Drilling Supervisor (DSV) were informed.
- Standdown meeting held on 2345hrs for both shifts.
- IP received first aid treatment by rig medic and later MEDEVAC to shore (Bintulu). He arrives in Columbia Hospital around 0430hrs 23<sup>rd</sup> May 2022.

#### IP treatment

- The X-ray result showed a comminuted fracture at IP left foot's pinky toe. However, no surgery is required. Buddy splint was applied to his toe. He is required to stay in ward for IV antibiotics and daily wound dressing.
- IP had been discharged on 25<sup>th</sup> May 2022.

Refer to *Figure 1 and 2* for the incident photos

#### Consequences

**Actual: Significant (LWDC)**

**Potential: Significant (LWDC)**

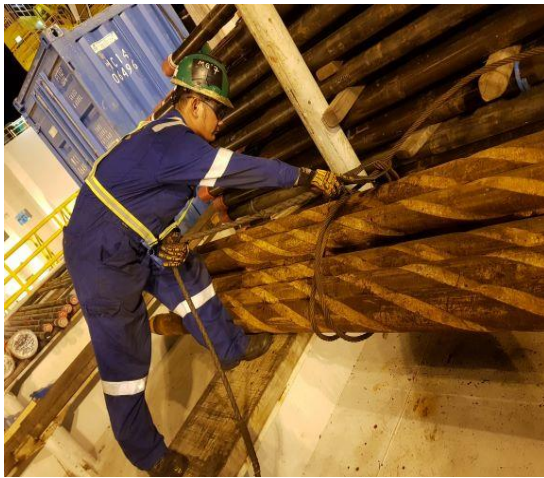


Figure 1: Position of IP (re-enactment)

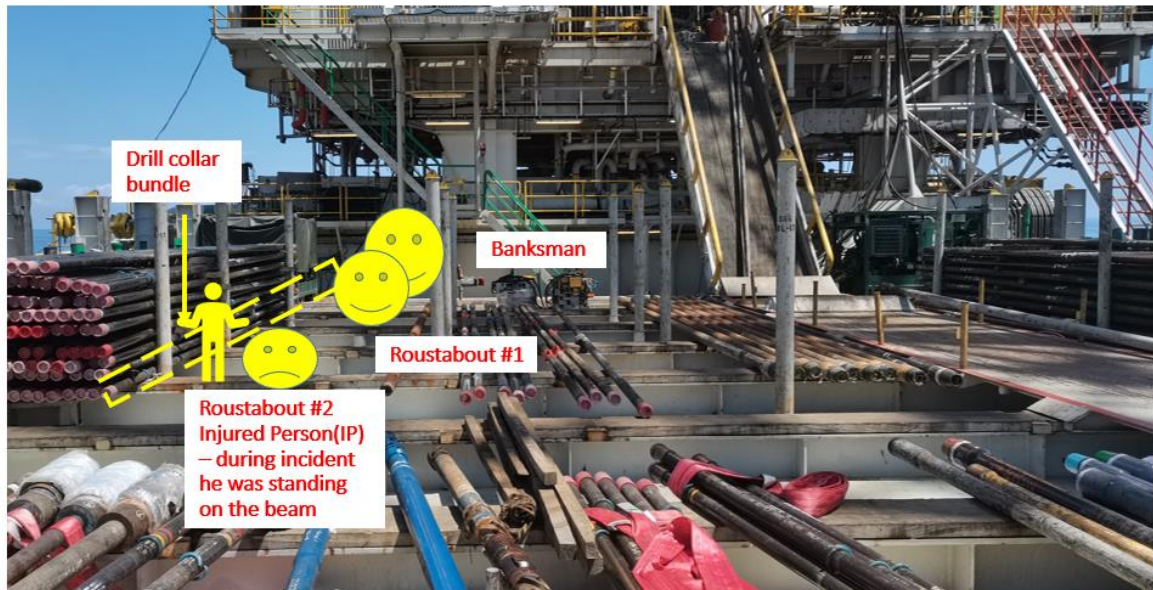


Figure 2: Work area at the scene of incident



### 3.2 DETAIL OF INJURED PERSON/ AFFECTED EQUIPMENT/ AFFECTED ROPERTY

#### Injured Person (IP)

##### IP Information

- IP Name: Bedai anak Linang
- Position: Roustabout (Awatra Connect Energy)
- Nationality: Malaysian
- Age: 41 Years Old

##### IP Injury and Treatment

- Disembark from Gunnlod 23/6/2022 at 0200hrs by a crew boat to Bintulu.
- Patient arrived safely at shore at 0400hrs and referred to Columbia Asia Hospital Bintulu. X ray of left foot done showing comminuted fracture over left 5th toe.
- Patient then admitted under Orthopaedic Surgeon for further management
- On 23/6/2022, at 1500hrs, after reviewed by treating doctor, no surgery is required. Buddy splint was applied to the toe. Patient is required to stay in ward for IV antibiotics and daily wound dressing.
- On 24/6/2022, IP remains admitted at the ward in Columbia Asia Hospital Bintulu. IP condition is reported to be well and to complete the required intravenous antibiotics
- On 25/6/2022, IP had been discharged.

Refer to **Appendix B** for ISOS Topside Report and IP Discharge Summary.

##### IP Traveling and Working History

- Experience: 18 Years as Roustabout
- Experience onboard Gunnlod: 1 year 4 month
- Company: Awatra Connect Energy
- Days Onboard: 7 Days (start onboard on 16/5/2022)
- IP wear adequate PPE
  - Safety boot with steel toe cap – no sign of wear and tear
  - Safety Helmet
  - Impact Gloves
  - Clear safety Glass



### 3.3 SEQUENCE OF EVENTS

Date/ Time	Event description
<b>22<sup>nd</sup> May 2022</b>	
2125Hrs	Bundle of drill collar landed on the cantilever by crane and were controlled using tagline.
2126Hrs	Banksman instructed Roustabout (IP) to remove the taglines.
2127Hrs	IP approached bundle by walking along beam of cantilever. IP placed his foot against the bundle of drill collar.
2128Hrs	As the IP went to remove the tagline, 1 joint moved and rolled over onto his left foot. The Banksman had immediately stopped the job & and informed the work supervisor (Crane Operator).
2130Hrs	IP went to sick bay accompanied by the deck supervisor (Banksman).
2135Hrs	Medic assessed the IP and commenced treatment by cleaning the wound
2140Hrs	OIM and DSV informed
2142Hrs	OIM arrived at the sick bay
2145Hrs	Medic called ISOS Topside Support to informed on call Doctor of the IP situation. It was recommended for MEDEVAC.
0200Hrs	IP was MEDEVAC by FCB to Bintulu.
0400Hrs	IP arrived at Bintulu Jetty. Ambulance transported the IP straight to the Hospital, (Columbia Asia).

#### 3.3.1 EVENT LEADING TO THE INCIDENT

- a. IP positioning his foot in the line of fire.
- b. The tubular had moved within the bundle

#### 3.3.2 IMMEDIATE RESPONSE AFTER THE INCIDENT

- a. IP went to the Rig Medic for treatment.
- b. Stop the work operations.
- c. Stand down were conducted
- d. Consultation with ISOS Topside Support and it was recommended for IP to be MEDEVAC.
- e. IP was safely sent to shore (MEDEVAC) via FCB to Bintulu. He then admitted in Columbia Hospital, Bintulu.
- f. Immediate notification were made to PTTEP and Borr Drilling head office. Refer to **Appendix F** for PTTEP Notice of Incident form.





#### Note

- Reporting to DOSH (JKKP 6) had been submitted by Borr Drilling o 28<sup>th</sup> May 2022. Refer to **Appendix G** for the copy of the report.
- Reporting to COMCEN had been submitted by PTTEP on 23<sup>rd</sup> May 2022. Refer to **Appendix H** for the copy of the report.

#### 4.0 IMPACT OF INCIDENT

- Injury to IP - fracture at his left foot's pinky toe.
- Lost workdays: 3 days

#### 5.0 RESULT OF INCIDENT INVESTIGATION

##### 5.1 ANALYSIS OF FINDING

##### A. PEOPLE (Human factor e.g competency)

###### Lack of situational awareness

- IP position his foot in line of fire as he was not recognizing the potential risk of the tubular could roll over
- No intervention due to Banksman failed to position himself to see all personnel involved in the task

##### B. PLANT

During investigation it was observed/ identified that

- The working area was not congested.
- There was a sufficient lighting on Cantilever Deck.
- The bundle had been landed on the cantilever and upon landing, the bundle had already partially loose and spread due to inadequate tension of the slings from the crane.

###### Additional information

- Weight of Drill Collar: 646 kg per joint

##### C. PROCESS

- Job Safety Analysis, or term used in Borr Gunnlod is 'Work Instruction' has identified body position as one of the hazards. It also highlighted on hand injury section during slinging up tubulars. However, it does not mention specifically on potential of load to rolled over or movement of tubulars after landing.
- Pre-job was conducted just before the lift to highlight the hazards and where the bundle would be landed
- Post-incident action:
  - Immediate treatment by medic – clean the wound using Iodine & Anti-Tetanus (Pain killer) was administered.



- IP was medivac at 0200 HRS to Bintulu via FCB.
- Safety Stand down were conducted immediately. (23:45 HRS). It is led by Toolpusher & Night DSV, attended by all rig crew & service crew on tour.

Refer to **Appendix C** for the Witness Statement and **Appendix D** for the Work Instruction

### 5.1.2 MISSING/ FAILED BARRIERS

Based on the Incident investigation findings for PEOPLE, PLANT and PROCESS, the missing/failed barriers as per Figure 3.

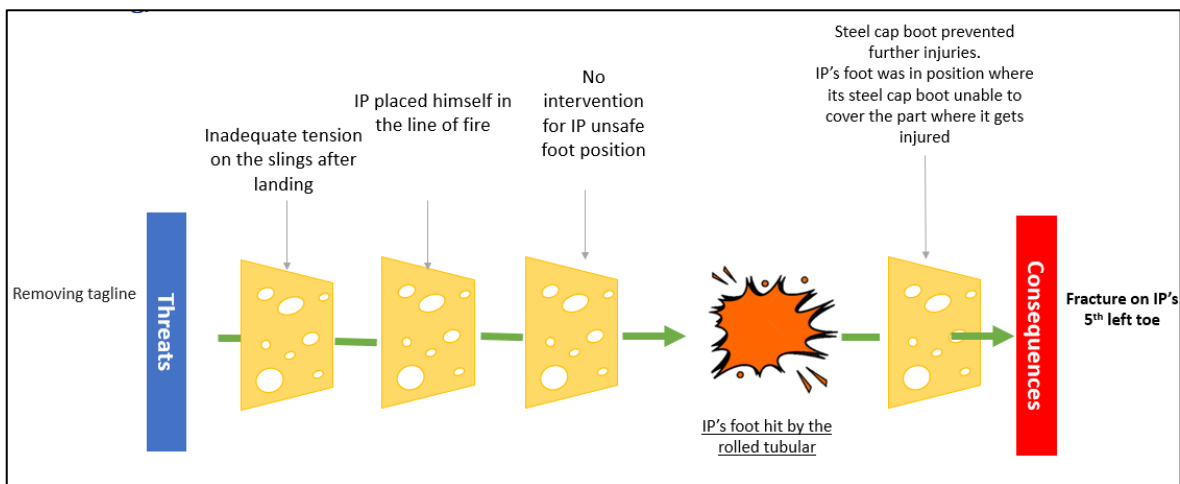


Figure 3: Missing/ Failed Barriers



### 5.1.3 CAUSE TREE ANALYSIS

Based on the incident findings and missing barriers, the investigation team has discussed and developed the Cause Tree Analysis as per Figure 4.

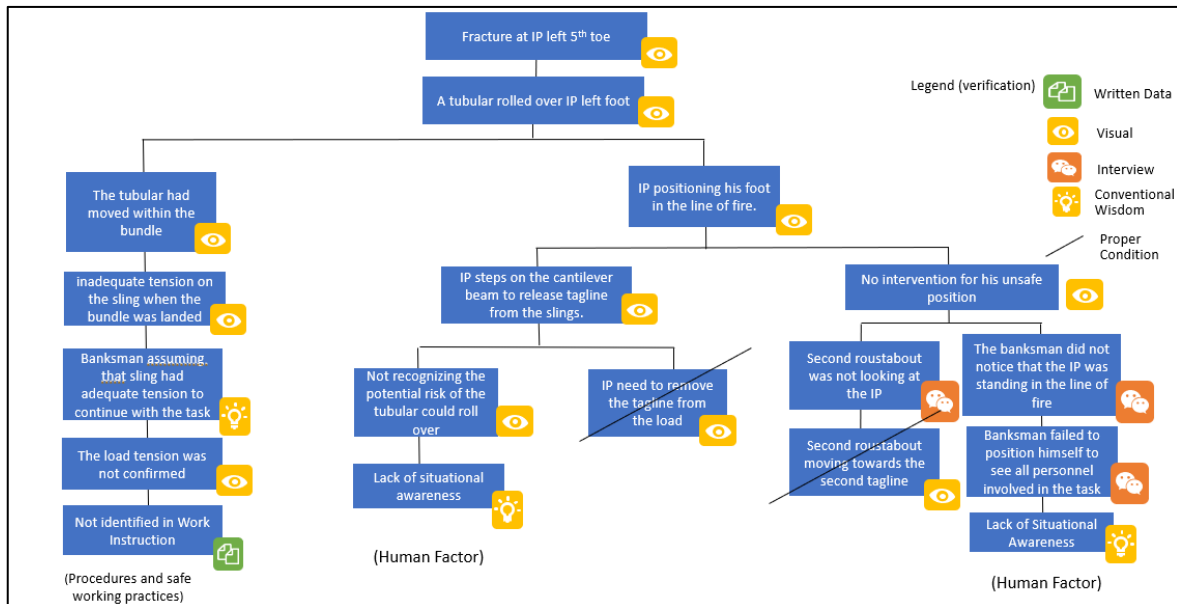


Figure 4: Cause Tree Analysis

## 6.0 CONCLUSIONS

The incident investigation has identified the root cause for the incident from the findings and analysis in Section 5.0.

Root cause of the incident:

### (1) Procedures and Safe Working Practices

- Load tension was not confirmed as it was not identified in the job steps/measures in Work Instruction

### (2) Human Factor

Lack of situational awareness

- IP position his foot in line of fire as he was not recognizing the potential risk of the tubular could roll over
- No intervention due to Banksman failed to position himself to see all personnel involved in the task





## 7.0 RECOMMENDATION

Table 1 describe the recommendation for the corrective actions:

Table 1: Corrective Actions

Root Cause	Corrective Actions/ Recommendation	Action Party	Due / Complete Date
<b>Procedures and Safe Working Practices</b> <ul style="list-style-type: none"> <li>Load tension was not confirmed as it was not identified in the job steps/measures in Work Instruction</li> </ul>	To review and add specific hazard control and mitigation to the WI. <ul style="list-style-type: none"> <li>Load tension to be identified in the WI.</li> </ul>	Gunnlod Barge Captain	31 <sup>st</sup> May 2022 <b>CLOSED</b>
<b>Human Factor</b> Lack of situational awareness <ul style="list-style-type: none"> <li>IP position his foot in line of fire as he was not recognizing the potential risk of the tubular could roll over</li> </ul>	i. Educate crews on “ In the Line of Fire” during safety meetings and highlight foot placement during operations. Include Borr Life Saving Rules.	Gunnlod SPC	29 <sup>th</sup> May 2022 <b>CLOSED</b>
	ii. Highlight at all Pre-Tour and Weekly Safety Meetings to all crews to initiate TOFS / SWA when they see something is not right to intervene	Gunnlod SPC	29 <sup>th</sup> May 2022 <b>CLOSED</b>
	iii. Reminder to Crews highlighting, Situational Awareness and to be vigilant while doing daily work “routine task” especially during work at night.	Gunnlod SPC	29 <sup>th</sup> May 2022 <b>CLOSED</b>
	iv. Roll out of Borr Drilling Eastern Hemisphere on “ <b>Best Foot Forward</b> ” campaign. This is a campaign initiated by Borr Drilling to focus on Slip, Trip and Fall hazards; however, it do cover awareness of safe body part (foot) placement.	Gunnlod SPC	31 <sup>st</sup> July 2022 <b>CLOSED</b>
- No intervention due to Banksman failed to position himself to see all personnel involved in the task	To review and add specific hazard control and mitigation to the WI. <ul style="list-style-type: none"> <li>Banksman position in observing slingers, lifting team members.</li> </ul>	Gunnlod Barge Captain	31 <sup>st</sup> May 2022 <b>CLOSED</b>

Refer to **Appendix E** for the corrective action closure.



## **APPENDICES**

### **APPENDIX A: INCIDENT INVESTIGATION TOR**



**PTTEP HK Offshore Limited**  
**PTTEP Sarawak Oil Limited**  
**PTTEP Sabah Oil Limited**

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## **Incident Investigation Term of References**

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**Foot Injury Incident**  
**Rig: Borr Gunnlod**  
**(Date of incident: 22<sup>nd</sup> May 2022)**



Incident Investigation Team of References  
Foot Injury, Rig Borr Gunnlod, Date of Incident 22.05.2022

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**Date of Incident:** 22<sup>nd</sup> May 2022

**Location:** SEPA/ Rig Borr Gunnlod

**Classification:** To be advised

**Incident Description:**

The task was to lay out **4-3/4"** Drill Collar from Main Deck to Starboard Cantilever Deck. The plan was to pick up only 1x joint of 4-3/4" Drill Collar from the 1x bundle (7x jts) of 4-3/4" Drill Collar.

IP (roustabout) was about to remove the tag line from the sling after the crane operator has landed the bundle on the cantilever deck. Upon removing the tag line, the bundle suddenly came loose and 1x jt of 4-3/4" Drill Collar rolled on IP left foot and injured his fifth (pinky toe).

**Immediate Action Taken**

- Supervisor is informed and work operations has been stopped.
- IP received immediate treatment by Medic.
- IP was MEDEVAC by boat to Bintulu approximately 0200Hrs from location and arrived at Bintulu 0400Hrs. Ambulance already standby at the jetty and bring the IP straight to the Hospital (Columbia Asia)
- Stand down conducted onboard Rig Gunnlod at 1145hrs.

**Appointed Investigation Team:**

Team Lead

Aizal Haziq bin Abdul Razak, Senior Engineer, Drilling

Team Facilitator

Azly Dzulkpli, Team Lead Drilling SSHE

Yati Ahmad, Senior Engineer Drilling SSHE

Team Members - PTTEP

Rurizalalkmal Udin, Drilling Superintendent (PLW)

Donald Tarum, Offshore Coordinator, Drilling SSHE (PLW)

Amornrat Ratanagudun, Engineer, SSHE Support (PDD)

Mohd Fitrir Ridza Nordin, Specialist, SSHE Operations and Project Support (Health) (PLS/S)

Team Members – Borr Drilling

John Annison, Rig Manager

Longchik Yaakob, QHSE Supervisor

Gavin James Doerr, OIM

Mohamad Gani bin Mohamad, Safety Performance Coach.

**Incident Investigation Objectives**

- To perform investigation by observing the site of incident, performing interview with witnesses, checking records and other relevant method
- To identify the missing barriers which had led to the incident.
- To identify the root cause of the incidents
- To recommend the corrective actions
- To prepare the incident investigation report and submit to the relevant parties (as per below Timeline)



Incident Investigation Team of References  
Foot Injury, Rig Borr Gunnlod, Date of Incident 22.05.2022

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The focus of this investigation is to conduct a detailed Root Cause investigation of the incident and communicate positive and negative findings. The team will make recommendations to Management as to the actions needed to prevent recurrence of this type of incident at this and other company locations.

The final report shall be prepared in accordance to PTTEP reporting format (including/ to be embedded with incident photos/sketch/diagram and witness statement).

### Incident Investigation and Reporting Timeline

Performing incident investigation <ul style="list-style-type: none"> <li>• Investigation at site (onboard Rig)</li> <li>• Internal review of the finding between site team and onshore team / Team Leader</li> <li>• Drafting incident report</li> </ul>	23 <sup>rd</sup> - 27 <sup>th</sup> May 2022
Review (presentation) of the Incident Investigation Report (IIR) with PTTEP PLW and PLS/S	1 <sup>st</sup> June 2022
Finalisation of the IIR and submission to Malaysia Asset SSHE Section	5 <sup>th</sup> June 2022
JKKP 6 to DOSH (by Borr)	24 <sup>th</sup> May 2022
Other reporting/presentation as required by PTTEP Corporate or PETRONAS	To be advised

### Closure of the Incident

The incident will be recommended for closure once all of the corrective actions has been carried out and the evidences are available as per due date.

DocuSigned by:  
*Yati Ahmad*  
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Prepared by  
Yati Ahmad  
Senior Engineer, Drilling SSHE  
24<sup>th</sup> May 2022

DocuSigned by:  
*Ahmad Hakam Abdul Razak*  
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Approved by  
Ahmad Hakam Abdul Razak  
Head of Drilling Operations Section, PLW/W  
24<sup>th</sup> May 2022



## **APPENDIX B: ISOS TOPSIDE REPORT AND DISCHARGE SUMMARY**

## Topside Support Contact Report Limited Medical Information

INITIAL CASE REPORT			
<b>Intl SOS Case Number</b>	IKUL007562	<b>Date Case Opened</b>	22-May-2022
<b>Client Name</b>	Borr Drilling Management (UK) LTD.		
<b>Patient's Name and Surname</b>	Bedai LINANG		
<b>Rig/ Vessel Name</b>	Borr Gunnlod		
<b>Rig/ Vessel Location</b>	Offshore Miri, Sarawak		
<b>Patient's Date of Birth</b>	01-Mar-1981	<b>Patient's Nationality</b>	Malaysian
<b>Patient's Employer</b>	Contractor / sub-contractor Awatra Connect Energy	<b>Patient's Job Title</b>	Others / Roustabout
<b>Disembarkation</b>	Yes		
<b>Disembarkation Type</b>	Emergency disembarkation		
<b>Disembarkation Date and Time</b>	23 May 2022		
<b>Situational Topside Recommended Disembarkation</b>	Yes		
<b>Ground Arrangements Required</b>	Yes		
<b>Patient's Destination</b>	Bintulu		
<b>Is Illness/injury occurring On-Shift?</b>	Yes		
<b>Was the Rig Manager contacted?</b>	Yes AP1 Donald Alistair Russell Millar, Rig Manager		
<b>What were the instructions from Rig Manager if the Rig Manager was contacted?</b>	Agree with Disembarkation Yes, GA required. Yes, medical expenses GOP required.		
<b>Initial Notification Completed by Response Centre Doctor</b>	Dr Ashvin		

CASE UPDATE (if applicable) Limited Medical Information	
<b>Date</b>	22-May-2022
<b>Case Update Limited Medical Information</b>	Patient was accidentally hit by a drill pipe over his left foot. He sustained a wound over left 5 <sup>th</sup> toe. No other injuries reported. Upon assessment, he is stable.

	Vital signs normal There is an open wound over left 5 <sup>th</sup> toe with bony deformity. Pain score 5/10, Range of movement limited Recommendation: Emergency disembarkation for Open fracture of left 5 <sup>th</sup> toe
<b>Reported by Response Centre Doctor</b>	Dr Ashvin

<b>Date and time</b>	23 May 2022
<b>Case Update Medical update</b>	Patient arrived safely at shore and referred to Columbia Asia Hospital Bintulu. X ray of left foot done showing comminuted fracture over left 5 <sup>th</sup> toe. Patient then admitted under Orthopaedic Surgeon for further management. We will continue to monitor patient's progress and keep you updated.
<b>Reported by Medical Team:</b>	Dr Ashvin

<b>Date and time</b>	23 May 2022 @ 15:50H
<b>Case Update Medical update</b>	Patient remains admitted at the ward in Columbia Asia Hospital Bintulu. After reviewed by treating doctor, no surgery is required. Buddy splint was applied to the toe. Patient is required to stay in ward for IV antibiotics and daily wound dressing for now. According to treating doctor, patient tentatively be able to work light duty. However, this status will be confirmed upon discharge.  We will continue to monitor the patient's progress and update accordingly.
<b>Reported by Medical Team:</b>	Dr Ricky Chang

<b>Date and time</b>	24 <sup>th</sup> May 2022
<b>Case Update Medical update</b>	Patient remains admitted at the ward in Columbia Asia Hospital Bintulu.  Patient condition is reported to be well and he is planned to completed the required intravenous antibiotics by 25 <sup>th</sup> May 2022.  Tentative discharge on 25 <sup>th</sup> May 2022.  We will continue to monitor the patient's progress and update accordingly.
<b>Reported by Medical Team:</b>	Dr Aaron Christopher Luis

<b>Date and time</b>	25 <sup>th</sup> May 2022
<b>Case Update Medical update</b>	Patient will be discharged today afternoon after completion of intravenous antibiotics.  Treating doctor advised he will be discharge with fit for light duty. Follow up in 1 week ( date TBA).



WORLDWIDE REACH.  
HUMANITARIAN



**Reported by Medical  
Team:**

Dr Aaron Christopher Luis

# COLUMBIA ASIA

## COLUMBIA ASIA HOSPITAL BINTULU

WHOLLY OWNED BY TRUEPEACE SDN BHD  
LOT 3582 & 3583, BLOCK 26, KEMENA LAND DISTRICT, JALAN TAN SRI IKHWAN, BINTULU, 97000, SARAWAK, MALAYSIA.

Tel : 086-251888,086-251888 Fax :086-253441

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**Date :** 25/5/2022

**To :**  
To whom it may concern

**RE :** **Name of Patient** : BEDAI  
**I.C.No / Passport No.** : 810301-13-5465  
**Age / Sex** : 41Y 2M 24D /MALE  
**MRN** : BINT-0000038662

**History** : Heavy object fell on the left foot causing laceration wound and comminuted fracture of little toe distal phalynx.

**Clinical Findings** : X ray comminuted fracture distal phalynx of left small toe

**Investigations** : X ray comminuted fracture distal phalynx of left small toe

**Diagnosis** : Heavy object fell on the left foot causing laceration wound and comminuted fracture of little toe distal phalynx.

**Treatment Plan** : Please allow patient for Light duty for 3 weeks till 12th june 2022.

Thank you.

Yours sincerely,



Dr. GUNALAN A/L NALLIAH  
MBBS (MANIPAL), M.S.ORTHO (UKM), ARTHROPLASTY (SAMSUNG UNIVERSITY)

<p><b>COLUMBIA ASIA</b></p> <p>WHOLLY OWNED BY TRUEPEACE SDN BHD</p> <p>Address : LOT 3582 &amp; 3583, BLOCK 26, KEMENA LAND DISTRICT, JALAN TAN SRI IKHWAN 97000 BINTULU, SARAWAK, MALAYSIA.</p> <p>Tel : 086-251888, 086-251888</p> <p>Fax : 086-253441</p>	<p><b>DISCHARGE SUMMARY</b></p>	<p>Patient Name : BEDAI</p> <p>IC No. : 810301-13-5465</p> <p>Old Ic No / Passport :</p> <p>MRN : BINT-0000038662</p> <p>Visit No. : A000000001-BINT</p> <p>Date Of Birth : 1/3/1981</p> <p>Age : 41Y 2M 22D</p> <p>Sex : MALE</p> <p>Blood Group :</p> <p>Ward /Rm /Bed No. : MD2 / 32 / 32</p>
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Admitting Consultant : DR GUNALAN NALLIAH

Department : ORTHOPEDIC

Admission Date : 23/5/2022

Discharge Date : 25/5/2022

**Consultants Involved :**

DR. GUNALAN A/L NALLIAH

DR. LEE YUEN TECK

DR. PRAVEENE A/P THACHANAMURTHY

**Initial Diagnosis :**

Comminuted fracture distal Phalynx of left little toe with laceration wound

DR GUNALAN NALLIAH

Updated : 25/5/2022 11:05:38AM

**Final Diagnosis :**

Comminuted fracture distal Phalynx of left little toe with laceration wound

DR GUNALAN NALLIAH

Updated : 25/5/2022 11:05:38AM

**Procedure/Surgery Performed :**

Wound debridement and dressing

buddy splinting

DR GUNALAN NALLIAH

Updated : 25/5/2022 11:05:38AM

**Patient Condition On Discharge :**

well

DR GUNALAN NALLIAH

Updated : 25/5/2022 11:05:38AM

**Medication & Follow Up :**

Tca Friday for dressing and wound inspection .

Zinnat 1 bd for 1 week

DR GUNALAN NALLIAH

Updated : 25/5/2022 11:05:38AM

**Signature**

**DISCHARGE SUMMARY**

Patient Name : BEDAI  
IC No. : 810301-13-5465  
Old Ic No / Passport :  
MRN : BINT-0000038662  
Visit No. : A000000001-BINT  
Date Of Birth : 1/3/1981  
Age : 41Y 2M 22D  
Sex : MALE  
Blood Group :  
Ward /Rm /Bed No. : MD2 / 32 / 32



GUNALAN A/L NALLIAH

Without prejudice



## **APPENDIX C: WITNESS STATEMENT**

Witness / Injured Party Statement					
NAME		[REDACTED]			
JOB TITLE & COMPANY		Roostabout [REDACTED]			
RIG	Gunnlod	DATE of Incident (dd/mm/yy)	22/5/2022	TIME OF INCIDENT	21:30
Hrs Worked before Incident	9	Date Started Hitch	16/5/2022	No of Days worked	7
Time in Industry	18 yrs				
Time with company	7 yr	Time in current position		Page No.	Page 1 of 1

**DESCRIBE IN YOUR OWN WORDS WHAT HAPPENED**  
Use additional pages if needed.

I was informed by banksman ~~that~~ that there's a lift of drill collar bundles from main deck to STBD cantilever deck. We went to cantilever deck to land the bundles of drill collar. I was at the fwd ~~side~~ STBD ~~side~~ side of cantilever deck controlling the load. Once the load safely landed, one of drill collar was spread out from the bundle. Banksman then informed us to remove the tagline from ~~the~~ <sup>the</sup> slings of bundle drill collar. ~~Once~~ ~~removing~~ <sup>Prior</sup> to removing the tag line, another drill collar suddenly disperse/spread out from the bundle where it roll onto my left foot. After it ~~is~~ rolls on my foot, I tried to move my footing away from the drill collar. The Banksman saw me & inform the others to stop the job. Job was stopped and supervisor came to bring me to the medic.

By signing this statement I confirm the details within this statement are correct and the event is /is-not work related (delete as appropriate).

This information is true and correct to the best of my knowledge.			
WITNESS PRINT NAME	[REDACTED]	WITNESS SIGNATURE	[REDACTED]
DATE STATEMENT COMPLETED	23/5/22	TIME STATEMENT COMPLETED	12:20
The above Statement was completed & signed by the witness in my presence.			
SUPERVISOR PRINT NAME	[REDACTED]	SUPERVISOR SIGNATURE	[REDACTED]

Witness / Injured Party Statement					
NAME		[REDACTED]			
JOB TITLE & COMPANY		Roustabout [REDACTED]			
RIG	Gunnlod	DATE of Incident (dd/mm/yyyy)	22/5/2022	TIME OF INCIDENT	21:30
Hrs Worked before Incident	9 hrs	Date Started Hitch	16/5/2022	No of Days worked	7
Time in Industry	4 year				
Time with company	1 year	Time in current position		Page No.	Page 1 of 1

**DESCRIBE IN YOUR OWN WORDS WHAT HAPPENED**  
*Use additional pages if needed.*

During that time, our job was to lift bundle of drill collar from main deck to cantilever. I was the banksman for the job conducted. I was at the cantilever deck giving signal to crane operator to land the drill collar at cantilever STBD side area. Load was safely landed on the deck. One of the drill collar on the bundle was spread out from the bundle. So I informed crane operator to stop moving the block. Once stop, I informed the slingers to remove the sling from bundle of drill collar. Prior to remove the fwd side of sling & tagline, one of the drill collar suddenly spreads out again where this time it rolls onto IP left foot. I immediately informed team to stop job via radio & call the supervisor. Supervisor came & bring IP to the medic.

By signing this statement I confirm the details within this statement are correct and the event is / is-not work related (delete as appropriate).

This information is true and correct to the best of my knowledge:			
WITNESS PRINT NAME	[REDACTED]	WITNESS SIGNATURE	[REDACTED]
DATE STATEMENT COMPLETED	22/5/2022	TIME STATEMENT COMPLETED	23:15
The above Statement was completed & signed by the witness in my presence:			
SUPERVISOR PRINT NAME	[REDACTED]	SUPERVISOR SIGNATURE	[REDACTED]

Witness / Injured Party Statement					
NAME		[REDACTED]			
JOB TITLE & COMPANY		ASST. Crane [REDACTED]			
RIG	Gunnlod	DATE of Incident (dd/mm/yy)	22/5/2022	TIME OF INCIDENT	21:30
Hrs Worked before Incident	9	Date Started Hitch	16/5/2022	No of Days worked	7
Time in Industry	5				
Time with company	1 year	Time in current position		Page No:	Page 1 of 1

DESCRIBE IN YOUR OWN WORDS WHAT HAPPENED	
<p>Use additional pages if needed</p> <p>I was informed by the AD that he needs the Drill collar on the cantilever deck to do measurements. The drill collar during that time was on the main deck area. I lift the bundle of drill collar from main deck to starboard side cantilever deck area. The banksman was giving signal &amp; via radio to land the bundle of drill collar at starboard side cantilever deck. Load was safely landed on the deck. Banks informed me <del>that</del> to stop moving crane block because they wanted to remove the tagline from the sling on bundle of drill collar. Banksman then informed IP to remove the tagline once I stop. <del>moving</del> Once tag line was removed I saw <del>bundle</del> bundle of drill collar <del>sp</del> suddenly spread on the deck. Banksman inform us to stop the job due to one of the drill collar roll <del>onto</del> onto IP left foot. I stop the job &amp; went down to see IP.</p> <p>By signing this statement I confirm the details within this statement are correct and the event is / is-not work related (delete as appropriate).</p>	

This information is true and correct to the best of my knowledge.			
WITNESS PRINT NAME	[REDACTED]	WITNESS SIGNATURE	[REDACTED]
DATE STATEMENT COMPLETED	22/5/22	TIME STATEMENT COMPLETED	23:40
The above Statement was completed & signed by the witness in my presence:			
SUPERVISOR PRINT NAME	[REDACTED]	SUPERVISOR SIGNATURE	[REDACTED]



Witness / Injured Party Statement					
NAME		[REDACTED]			
JOB TITLE & COMPANY		Roustabout [REDACTED]			
RIG	Gunnlod	DATE of Incident (dd/mm/yy)	22/5/2022	TIME OF INCIDENT	21:30
Hrs Worked before Incident	9	Date Started Hitch	16/5/2022	No of Days worked	7
Time in Industry	8 yrs	Time in current position		Page No:	Page 1 of 1
Time with company	1 year				

**DESCRIBE IN YOUR OWN WORDS WHAT HAPPENED**  
*Use additional pages if needed*

The banksman informed us that lift ~~from~~ of ~~band~~ drill collar bundles from main deck to STBD side cantilever deck. We were at cantilever deck standby to land the load. I was at the box end of the drill collar & IP was at the pin end of the drill collar during controlling the load for landing. Once load safely landed, one of the drill collar on the bundle spreads out. Banksman then informed myself & IP to remove the tagline from slings of bundle drill collar. Suddenly ~~the~~ another drill collar spreads out from the bundle. I saw the IP was trying to remove his footing as ~~the~~ one of the drill collar rolls onto his foot. The banksman then informed everybody to stop job via radio. Supervisor was informed & came to see IP. IP then brought to medic by supervisor.

By signing this statement I confirm the details within this statement are correct and the event is / is-not work related (delete as appropriate).

This information is true and correct to the best of my knowledge:			
WITNESS PRINT NAME	[REDACTED]	WITNESS SIGNATURE	[REDACTED]
DATE STATEMENT COMPLETED	23/05/22	TIME STATEMENT COMPLETED	06:45
The above statement was completed & signed by the witness in my presence:			
SUPERVISOR PRINT NAME	[REDACTED]	SUPERVISOR SIGNATURE	[REDACTED]



## **APPENDIX D: WORK INSTRUCTION**

<b>Handling of Tubulars on Deck</b>	
GUN-WIN-0030	Gunlod - Drilling and Tripping
Owner: Tool Pusher	Approver: Rig Manager
	Ver. 1

Task Information					
Safety and Environment involved or impacted?	Critical Element (SECE)	No	Permit Required?	Isolation Required?	Yes/No
Task Location	Rigging loft / Rstb locker		Minimum Level of Supervision	Barge Engineer	Yes/No
Personnel Required	C.O. / <del>Asst. Co.</del> / <del>RSAs</del>				
Equipment Required	Crane Hands Free Tools Push Poles / Tangle free Taglines Portable VHF Radio Spanners for Bulldog Wire clips Transit pennants Stinger Pipe Roller				
PPE Required <i>(In addition to the basic PPE)</i>	Basic PPE				
Pre-job Preparations	? Hold pre-job safety meeting, toolbox talk, review WI and identifying the hazards involved for this task ? Inspect Cranes & all lifting equipment prior to using Slings / Shackles / Crane/ Pennants.				
Step-by-Step Hazard Analysis					
Motion – e.g.: equipment movements, body movements Mechanical – e.g.: rotating equipment, stored energy Chemical – e.g.: reactive chemicals, toxic Biological – e.g.: insects, blood borne pathogens, viruses Noise – e.g.: High noise levels	Hazards <i>(To be considered but not limited to)</i>			Pre-job Review <i>(Filled in during toolbox talk)</i>	
	Pressure – e.g.: hydraulic lines, compressed gas Temperature – e.g.: work areas and surface temperatures Gravity – e.g.: dropped objects, trips, and falls Radiation – e.g.: welding arcs, sun burns, NORM Electrical – e.g.: potential electrical energy				Date: 22/5/22





# Handling of Tubulars on Deck

GUN-WIN-0030	Gunnlod - Drilling and Tripping	Approver: Rig Manager	Ver: 1
Owner: Tool Pusher			

Step No.	Task Steps	Hazards and Hazard Effects	Initial Risk L/M/H	Control Measures	Responsible	Residual Risk L/M/H	Changes in Hazards, Risks	Changes to Control Measures
	Break down task into sequential steps.	What could cause harm in this step? For each step list all applicable hazards and describe who could be affected and how? Each hazard to be stated in a separate row.	Risk level before control	How is the risk controlled?	Position responsible for this controls?	Risk level after control	Change to risk at the time of toolbox talk (if any)?	Change required to controls (if any)?
1	Identify weights to be lifted and size up lifting gear accordingly	- - Wrong type and rated lifting gear used—Damaging equipment, Dropped objects - Crane OPT and Deck Crew	L	Verify the SWL, colour code, I.D number and check the condition and rating.	Crane OPT and Deck Crew	L		
2	Slinging up loads and attaching the lifting equipment to crane NOTE: Double Wrapping required	- - Poor slinging practices resulting in dropped objects, pinch points and hand injury, straining, damage to equipment. Incorrect amount of personnel for task, slip trip and fall. - Crane OPT and Deck Crew	L	Ensure good slinging practices at all times, good hand placement when attaching lifting equipment to crane, ask for assistance if required, ensure slings won't damage equipment when tightened. Minimum of	Crane OPT and Deck Crew	L		



## Handling of Tubulars on Deck

GUN-WIN-0030	Gunnlod - Drilling and Tripping	Ver: 1
Owner: Tool Pusher	Approver: Rig Manager	

3	<p>Have barriers in place for the passage and have a known route for landing tubulars. ENSURE PERSONNEL HAS AN ESCAPE ROUTE</p>	<p>-- Injury to personnel, communication breakdown, damage to equipment, simultaneous jobs ongoing around catwalk. Poor communications between the crane op /Banksman/deck crew , poor body placement .Caught between load and other equipment/Swinging loads/Dropped objects . - Crane OPT and Deck Crew</p>	L	<p>two cargo handlers plus banksman</p>	<p>Clear signals &amp; communication with banksman and Crane Opt.. Ensure all personnel in the area are aware of tubulars being moved. No personnel to be in the Line of Fire. red zone management</p>	L	<p>Crane OPT and Deck Crew</p>
4	<p>Confirm Tubulars to be lifted have both pin / box protectors tight on each end</p>	<p>-- Damage to tubulars, Protector loose and falling, potential (Dropped Objects) - Crane Opt and Deck Crew</p>	L	<p>Assure tubular thread protectors are correct size and are correctly installed, and lay out tubular as per attached picture, red zone management</p>	<p>Crane Opt and Deck Crew</p>	L	







# Handling of Tubulars on Deck

GUN-WIN-0030	Guntlod - Drilling and Tripping	Ver. 1
Owner: Tool Pusher	Approver: Rig Manager	

Step No.	Step No.	
Attachments / References (To be reviewed during toolbox talk)		
Personnel Involved in Task (To be filled in during toolbox talk)		
	Name	Position
Supervisor	JONATHAN	CREW
Team Member	DANNY	ROTOR
Team Member	MC DOUGLAS	ROT. CO
Team Member	Bedan	ROTOR
	ABDUL	ROTOR
		<b>Debrief</b>
Lessons learned, updates to work instructions (if any). Was Stop Work Authority exercised?		

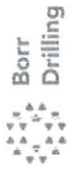
	Have you done this task before? Yes / No	Do you understand your tasks and responsibilities? Yes / No	Signature
	N	N	
	Y	Y	
	N	N	
	Y	Y	
	Y	N	



# Handling of Tubulars on Deck

GUN-WIN-0030	Gunnlod - Drilling and Tripping	Ver: 1
Owner: Tool Pusher	Approver: Rig Manager	

Supervisor confirms debris has been conducted	Signature:
Supervisor confirms work instruction will be revised to incorporate changes if required as per debris	





# Handling of Tubulars on Deck

Ver. 1

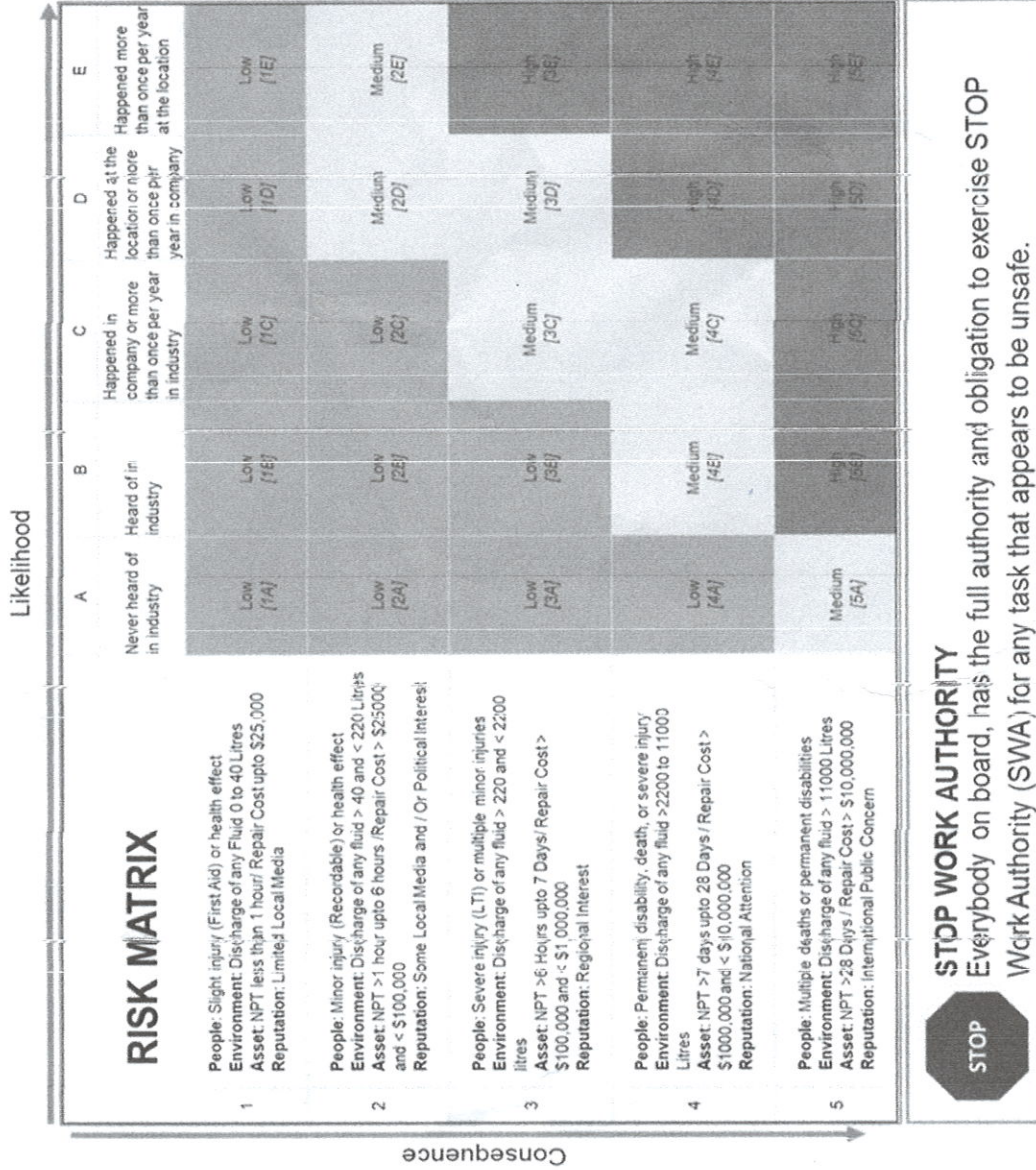
GUN-WIN-0030 Gummud - Drilling and Tripping

Owner: Tool Pusher

Approver: Rig Manager

### LIFE-SAVING RULES

- Bypassing Safety Controls**  
Obtain authorisation before overruling or disabling safety controls
- Line of Fire**  
Keep yourself and others out of the line of fire
- Energy Isolation**  
Verify isolation and zero energy before work begins
- Safe Mechanical Lifting**  
Plan lifting operations and control the area
- Hot Work**  
Control flammables and ignition sources
- Working at Height**  
Protect yourself against a fall when working at height.
- Confined Space**  
Obtain authorization before entering a confined space
- Work Authorisation**  
Work with a valid permit when required





## APPENDIX E: CORRECTIVE ACTION CLOSURE

Corrective Action	Target Closure Date	Status As of 22/6/2022	Remarks
To review and add specific hazard control and mitigation to the WI. - Load tension to be identified in the WI.	31st May 2022	Completed	WI has been updated. See the revised WI, item (7), column 'control measures', 6th paragraph
Educate crews on “ In the Line of Fire” during safety meetings and highlight foot placement during operations. Include Borr Life Saving Rules.	29th May 2022	Completed	re-iterate the Line of Fire as part of Life Saving Rules in Weekly Safety Meeting (WSM) dated 29th may 2022. See attached WSM pack, page 5
Highlight at all Pre-Tour and Weekly Safety Meetings to all crews to initiate TOFS / SWA when they see something is not right to intervene	29th May 2022	Completed	refresher of the TOFS/ SWA were included in daily Pre-Tour and Weekly Safety Meeting (WSM) dated 29th May 2022. See attached WSM pack, page 10
Reminder to Crews highlighting, Situational Awareness and to be vigilant while doing daily work “routine task” especially during work at night.	29th May 2022	Completed	Situational Awareness were included in Weekly Safety Meeting (WSM) dated 29th May 2022. See attached WSM pack, page 6-10
Roll out of Borr Drilling Eastern Hemisphere on “ <b>Best Foot Forward</b> ” campaign. This is a campaign initiated by Borr Drilling to focus on Slip, Trip and Fall hazards; however, it do cover awareness of safe body part (foot) placement.	31st July 2022	Completed	The campaign has been rolled out on 5th June 2022. See attached photo and pack for BFF campaign
To review and add specific hazard control and mitigation to the WI. - Banksman position in observing slingers, lifting team members.	31st May 2022	Completed	WI has been updated. See the revised WI, item (7), column 'control measures', 7th paragraph

<b>Handling Tubulars on Deck</b>		
GUN-WIN-0285	Gunnlod - Drilling and Tripping	Ver: 1
Owner: Barge Engineer		Approver: OIM

<b>Task Information</b>			
Safety and Environment Critical Element (SECE) involved or impacted?	No	Permit Required?	No
Isolation Required?	No		
Task Location	All Main Deck and Cantilever Pipe Bay Areas.	Minimum Level of Supervision	Barge Engineer / Deck Foreman
Personnel Required	<b>Crane Operator, Bankman and 2 x Deck Crew</b>		
Equipment Required	Crane Hands Free Tools Push Poles / Taglines Portable VHF Radio Bulldog Wire clips and correct Spanner Tubular Slings Crane Stinger (s)		
PPE Required <i>(In addition to the basic PPE)</i>	Hard hat Steel Toe Safety Boots Impact Gloves Safety Glasses (Clear in the hours of darkness). Overalls		
Pre-job Preparations	1. Hold pre-job safety meeting, toolbox talk, review WI and identifying the hazards involved for this task 2. Inspect Cranes & all lifting equipment prior to using Slings, Shackles and Crane.		

### Step-by-Step Hazard Analysis

<b>Hazards</b> <i>(To be considered but not limited to)</i>		<b>Pre-job Review</b> <i>(Filled in during toolbox talk)</i>
<b>Motion</b> – e.g.: equipment movements, body movements	<b>Pressure</b> – e.g.: hydraulic lines, compressed gas	
<b>Mechanical</b> – e.g.: rotating equipment, stored energy	<b>Temperature</b> – e.g.: work areas and surface temperatures	
<b>Chemical</b> – e.g.: reactive chemicals, toxic	<b>Gravity</b> – e.g.: dropped objects, trips, and falls	
<b>Biological</b> – e.g.: insects, blood borne pathogens, viruses	<b>Radiation</b> – e.g.: welding arcs, sun burns, NORM	
<b>Noise</b> – e.g.: High noise levels	<b>Electrical</b> – e.g.: potential electrical energy	Date:
		Time:



## Handling Tubulars on Deck

GUN-WIN-0285	Gunnlod - Drilling and Tripping	Ver: 1
Owner: Barge Engineer		Approver: OIM

Step No.	Task Steps	Hazards and Hazard Effects	Initial Risk  L/M/H	Control Measures	Responsible	Residual Risk L/M/H	Changes in Hazards, Risks	Changes to Control Measures
	<i>Break down task into sequential steps.</i>	<i>What could cause harm in this step? For each step list all applicable hazards and describe who could be affected and how? Each hazard to be stated in a separate row.</i>	<i>Risk level before control</i>	<i>How is the risk controlled?</i>	<i>Position responsible for the controls?</i>	<i>Risk level after control</i>	<i>Change to risk at the time of toolbox talk (if any)?</i>	<i>Change required to controls (if any)?</i>
1	<p>Identify the tubulars to be moved.</p> <p>Ensure that the Box and Pin Protectors are secure.</p> <p>Visit the areas the tubulars are lifting from and to.</p> <p>The Pre-Visit of the areas is to identify “if the area requires to be <u>barriered off</u>”</p>	<p>Tubulars not ready to be moved.</p> <p>Not enough people for the job.</p> <p>Dropped Objects.</p> <p>Areas obstructed or tubulars not in an easy position and move without other planned work taking place.</p> <p>Blind Lift.</p> <p>Check for caught between or stuck items near too the area of the lift from load Shifting, Swinging or Dropping while working.</p> <p>Other Operations ongoing in the areas.</p> <p>Personnel working or passing through the lifting area.</p> <p>Crane Operator, Bankman, Deck Crew and other personnel working in or near to the area of lifting activity.</p>	M	<p>Identify the correct tubulars to be moved.</p> <p>Ensure enough personnel present for this task.</p> <p>Ensure the items are ready to be moved by visiting the areas.</p> <p>Radios to be used “if it’s a Blind Lift to the Crane Operator”.</p> <p>Visit the landing area to ensure it is ready to receive the tubulars. Check for Blind Lift.</p> <p>People working in the area. Other equipment in the area.</p> <p>Any simultaneous Operations at or near to the areas which could put personnel in the <u>Line of Fire</u>.</p> <p>“<u>IF REQUIRED</u>” Erect Barriers to limit ingress to the area.</p>	Crane Operator, Bankman and Deck Crew.	L		

## Handling Tubulars on Deck

GUN-WIN-0285

Gunnlod - Drilling and Tripping

Ver: 1

Owner: Barge Engineer

Approver: OIM

		PERSONNEL HAVE NO ESCAPE ROUTE.		ENSURE PERSONNEL HAVE AN ESCAPE ROUTE.				
2	<p>Confirm the weight of the tubulars to be lifted.</p> <p>Ensure that the lifting equipment is correct for the task taking place and have the correct colour code.</p>	<p>Using the wrong SWL equipment for the lift.</p> <p>Equipment not inspected with correct colour code.</p> <p>Damage to Equipment.</p> <p>Dropped objects.</p> <p>Crane Operator, Bankman, Deck Crew and other personnel working in or near to the area of lifting.</p>	M	<p>Verify the SWL. Colour code.</p> <p>Check the condition of all the items to be used for this lifting operation before starting the Job.</p>	Crane Operator, Bankman and Deck Crew.	L		
3	<p>Slinging up of tubulars.</p> <p><b>NOTE:</b> ALL TUBULARS ARE TO BE DOUBLE WRAPPED WITH THE SLING.</p>	<p>Shifting of tubulars while putting on slings.</p> <p>Poor slinging practices resulting in personnel being caught between or stuck by the load from load Shifting, Swinging or Dropping while working in the area.</p> <p>Slings not inspected with correct colour code.</p> <p>Personnel in Poor body / hand and foot position in the <u>Line of Fire</u>. Pinch Points, hand injury, straining.</p> <p>Slips, Trips and Falls.</p>	M	<p>Ensure good slinging practices are used at all times.</p> <p>Ensure that the load is stable in it current position before personnel approach the load.</p> <p>Bankman to be in a good observation position where he can see the deck crew and the task taking place.</p> <p>Personnel to be continually monitored for Poor body, hand and foot position in the <u>Line of Fire</u>.</p> <p><u>Personnel are to work from the Deck and NOT from raised beams</u></p>	Crane Operator, Bankman and Deck Crew.	L		



## Handling Tubulars on Deck

GUN-WIN-0285	Gunnlod - Drilling and Tripping	Ver: 1
Owner: Barge Engineer		Approver: OIM

		<p>Poor Communication or breakdown of communications between the Crane Operator, Banksman and Deck Crew.</p> <p>PERSONNEL HAVE NO ESCAPE ROUTE.</p>		<p>Bankman to continually monitor the operation and maintain good communications with the Crane Operator and the Deck Crew.</p> <p>ENSURE PERSONNEL HAVE AN ESCAPE ROUTE.</p>				
4	Crane to take the weight of the tubulars and they take their natural arrangement in the bundle.	<p>Shifting of tubulars while putting on slings.</p> <p>Poor slinging practices resulting in personnel being caught between or struck by the load from load Shifting, Swinging or Dropping while working in the area.</p> <p>Personnel in Poor body, hand and foot position in the <u>Line of Fire</u>. Pinch Points, hand injury, straining.</p> <p>Slips, Trips and Falls.</p> <p>Poor Communication or breakdown of communications between the Crane Operator, Banksman and Deck Crew.</p> <p>PERSONNEL HAVE NO ESCAPE ROUTE.</p>	M	<p>Ensure good slinging practices are used at all times.</p> <p>Ensure that the load is stable in its current position before personnel approach the load.</p> <p>Bankman to be in a good observation position where he can see the deck crew and the task taking place.</p> <p>Personnel to be continually monitored for Poor body, hand and foot position in the <u>Line of Fire</u>.</p> <p><u>Personnel are to work from the Deck and NOT from raised beams</u></p> <p>Bankman to continually monitor the operation and maintain good communications with the Crane Operator and the Deck Crew.</p> <p>ENSURE PERSONNEL HAVE AN ESCAPE ROUTE.</p>	Crane Operator, Bankman and Deck Crew.	L		

## Handling Tubulars on Deck

GUN-WIN-0285

Gunnlod - Drilling and Tripping

Ver: 1

Owner: Barge Engineer

Approver: OIM

5	<p>Once the Tubulars have their natural arrangement in the bundle and the load is still tagged to the deck to stop movement and the crane has weight that keeps the bundle together and tight.</p> <p>Personnel to install bull dog clamps and/or taglines.</p>	<p>Shifting of tubulars while putting on slings.</p> <p>Poor slinging practices resulting in personnel being caught between or stuck by the load from load Shifting, Swinging or Dropping while working in the area.</p> <p>Personnel in Poor body, hand and foot position in the <u>Line of Fire</u>. Pinch Points, hand injury, straining.</p> <p>Slips, Trips and Falls.</p> <p>Poor Communication or breakdown of communications between the Crane Operator, Banksman and Deck Crew.</p> <p>PERSONNEL HAVE NO ESCAPE ROUTE.</p>	M	<p>Ensure good slinging practices are used at all times.</p> <p>Ensure that the load is stable in it current position before personnel approach the load.</p> <p>Bankman to be in a good observation position where he can see the deck crew and the task taking place.</p> <p>Personnel to be continually monitored for Poor body, hand and foot position in the <u>Line of Fire</u>.</p> <p><u>Personnel are to work from the Deck and NOT from raised beams</u></p> <p>Bankman to continually monitor the operation and maintain good communications with the Crane Operator and the Deck Crew.</p> <p>ENSURE PERSONNEL HAVE AN ESCAPE ROUTE.</p>	Crane Operator, Bankman and Deck Crew.	L		
6	<p>Raise the load on the Crane to travel to the next location.</p>	<p>Poor slinging practices resulting in personnel being caught between or stuck by the load from load Shifting, Swinging or Dropping while being moved.</p> <p>Personnel working or walking near too or under the load being moved.</p>	M	<p>Crane Operator and Banksman to continually monitor the load being moved.</p> <p>The deck crew to continually control the load until the end of the taglines.</p> <p>All personnel involved to monitor the movement of the load to ensure</p>	Crane Operator, Bankman and Deck Crew.	L		

## Handling Tubulars on Deck

GUN-WIN-0285	Gunnlod - Drilling and Tripping	Ver: 1
Owner: Barge Engineer		Approver: OIM

		<p>Personnel in Poor body, hand and foot position in the <u>Line of Fire</u>. Pinch Points, hand injury, straining.</p> <p>Slips, Trips and Falls.</p> <p>Poor Communication or breakdown of communications between the Crane Operator, Banksman and Deck Crew.</p> <p>PERSONNEL HAVE NO ESCAPE ROUTE.</p>		<p>personnel are not working or walking under the load.</p> <p>ENSURE PERSONNEL HAVE AN ESCAPE ROUTE.</p>					
7	<p>Lowering the load in the new location.</p> <p>Deck Crew using taglines to get the taglines on the load.</p> <p>Load lowered down in the arrival location.</p> <p>Roustabouts removing bull dog clamps and/ or taglines.</p>	<p>Poor slinging practices resulting in personnel being caught between or stuck by the load from load Shifting, Swinging or Dropping while being moved.</p> <p>Deck Crew under load while getting load taglines.</p> <p>Blind Lift at arrival location.</p> <p>Movement of the load while the deck crew are taking off the bull dog clamps and/or Taglines</p> <p>Personnel in Poor body, hand and foot position in the <u>Line of Fire</u>. Pinch Points, hand injury, straining.</p> <p>Slips, Trips and Falls.</p> <p>Other Operations ongoing on in the areas.</p>	M	<p>Bankman to continually monitor the operation and maintain good communications with the Crane Operator and the Deck Crew.</p> <p>Radios to be used "if it's a Blind Lift to the Crane Operator".</p> <p>Push sticks to be used when getting taglines close to the load.</p> <p>Ensure good slinging practices are used at all times.</p> <p>Ensure that the load is stable in it's current position before personnel approach the load.</p> <p>Ensure that the load has tagged the deck beam, but weight is still on the crane slings, so the bundle does not open out while the deck crew are in the immediate area removing bull dog clamps and/or Taglines</p>	Crane Operator, Bankman and Deck Crew.	L			





## Handling Tubulars on Deck

GUN-WIN-0285

Gunnlod - Drilling and Tripping

Ver: 1

Owner: Barge Engineer

Approver: OIM

		<p>Personnel working or passing through the lifting area.</p> <p>Crane Operator, Bankman, Deck Crew and other personnel working in or near to the area of lifting.</p> <p><b>PERSONNEL HAVE NO ESCAPE ROUTE.</b></p>		<p>Bankman to be in a good observation position where he can see the deck crew and the task taking place.</p> <p>Personnel to be continually monitored for Poor body, hand and foot position in the <u>Line of Fire</u>.</p> <p><u>Personnel are to work from the Deck and NOT from raised beams</u></p> <p>Bankman to continually monitor the operation and maintain good communications with the Crane Operator and the Deck Crew.</p> <p><b>ENSURE PERSONNEL HAVE AN ESCAPE ROUTE.</b></p>				
8	<p>Once the bull dog clamp and/or Taglines are removed, Allow the weight to be reduced on the crane and tubulars to open out on the deck beams.</p>	<p>Personnel being caught between or stuck by the load from load Shifting, Swinging or Dropping while being moved.</p> <p>Personnel working or walking near the load while being laided out.</p> <p>Tubulars NOT fully open out and still resting on one another.</p> <p>Personnel in Poor body, hand and foot position in the <u>Line of Fire</u>.</p>	M	<p>Bankman to continually monitor the operation and maintain good communications with the Crane Operator and the Deck Crew.</p> <p>Personnel are to work from the Deck. <u>NOT to work from the raised Deck Beams.</u></p> <p>Ensure that the load has opened out completely before personnel approach the load to remove slings.</p>	Crane Operator, Bankman and Deck Crew.	L		



## Handling Tubulars on Deck

GUN-WIN-0285	Gunnlod - Drilling and Tripping	Ver: 1
Owner: Barge Engineer		Approver: OIM

	<p>Ensure that the tubulars have opened out fully and correctly.</p> <p>Remove the slings from the Tubulars.</p>	<p>Pinch Points, hand injury, straining.</p> <p>Slips, Trips and Falls.</p> <p>Poor Communication or breakdown of communications between the Crane Operator, Banksman and Deck Crew.</p> <p>Crane Operator, Bankman, Deck Crew and personnel working on the deck.</p>		<p>If the tubulars are <b>NOT</b> fully opened out, then the crew is to work from the ends of the tubulars with crowbars to open out before approaching the inside of the load.</p> <p>Bankman to be in a good observation position where he can see the deck crew and the task taking place.</p> <p>Personnel to be continually monitored for Poor body, hand and foot position in the <u>Line of Fire</u>.</p> <p><u>Personnel are to work from the Deck and NOT from raised beams</u></p> <p><b>ENSURE PERSONNEL HAVE AN ESCAPE ROUTE.</b></p>				
9	Housekeeping and cleaning	Slips, Trips and Falls through poor housekeeping and area left untidy.	M	Remove all slip, trips and fall items from the area, Ensure the area left clean and tidy.	Crane Operator, Bankman and Deck Crew.	L		

**Photographs / Illustrations** *(If required)*

Step No.		Step No.	
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**Attachments / References** *(To be reviewed during toolbox talk)*



<b>Handling Tubulars on Deck</b>		
GUN-WIN-0285	Gunnlod - Drilling and Tripping	Ver: 1
Owner: Barge Engineer		Approver: OIM

--

Personnel Involved in Task <i>(To be filled in during toolbox talk)</i>					
	Name	Position	Have you done this task before? Yes / No	Do you understand your tasks and responsibilities? Yes / No	Signature
Supervisor					
Team Member					
Team Member					
Team Member					
Team Member					
Team Member					
Team Member					
Team Member					
Team Member					

## Debrief

Lessons learned, updates to work instructions (if any). Was Stop Work Authority exercised?

--

Supervisor confirms debrief has been conducted	Signature:
Supervisor confirms work instruction will be revised to incorporate changes if required as per debrief	



<h1 style="margin: 0;">Handling Tubulars on Deck</h1>		
GUN-WIN-0285	Gunnlod - Drilling and Tripping	Ver: 1
Owner: Barge Engineer	Approver: OIM	

### LIFE-SAVING RULES

Bypassing Safety Controls

Obtain authorisation before overriding or disabling safety controls

Line of Fire

Keep yourself and others out of the line of fire

Energy Isolation

Verify isolation and zero energy before work begins

Safe Mechanical Lifting

Plan lifting operations and control the area

Hot Work

Control flammables and ignition sources

Working at Height

Protect yourself against a fall when working at height.

Confined Space

Obtain authorization before entering a confined space

Work Authorisation

Work with a valid permit when required

Likelihood →

		A	B	C	D	E
		Never heard of in industry	Heard of in industry	Happened in company or more than once per year in industry	Happened at the location or more than once per year in company	Happened more than once per year at the location
Consequence	1	Low [1A]	Low [1B]	Low [1C]	Low [1D]	Low [1E]
	2	Low [2A]	Low [2B]	Low [2C]	Medium [2D]	Medium [2E]
	3	Low [3A]	Low [3B]	Medium [3C]	Medium [3D]	High [3E]
	4	Low [4A]	Medium [4B]	Medium [4C]	High [4D]	High [4E]
	5	Medium [5A]	High [5B]	High [5C]	High [5D]	High [5E]

### STOP WORK AUTHORITY

Everybody on board, has the full authority and obligation to exercise STOP Work Authority (SWA) for any task that appears to be unsafe.



# GUNNLOD

WEEKLY SAFETY MEETING

Week #23, 29<sup>th</sup> May 2022



Borr  
Drilling



## TOPIC

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- Gunnlod Safety Performances
- The trend of BBS Observation Cards.
- Safety Topic : “Situational Awareness”
- Safety Alert Sharing
- PTTEP SSHE Expectation
- BBS Card of the Week – 3 x Winners
- OIM & Company Man closeout meeting
- AOB



# Safety Performance



<b>Days Without LTI</b>	<b>: 185 days</b>
<b>Days Without Recordable Incident</b>	<b>: 7 days</b>
<b>Perfect Days</b>	<b>: 7 days</b>



*Always follow BORR policy and procedures and **LIFE SAVING RULES**.  
**Keep vigilant** and stay focus we need to completed this campaign with no incident.  
**STOP WORK AUTHORITY** for any Unsafe Act / Unsafe Condition.*







# BORR LIFE SAVING RULES

## Bypassing Safety Controls

Obtain authorisation before overriding or disabling safety controls



- I understand and use safety-critical equipment and procedures which apply to my task
- I obtain authorisation before:
  - disabling or overriding safety equipment
  - deviating from procedures
  - crossing a barrier

## Confined Space

Obtain authorisation before entering a confined space



- I confirm energy sources are isolated
- I confirm the atmosphere has been tested and is monitored
- I check and use my breathing apparatus when required
- I confirm there is an attendant standing by
- I confirm a rescue plan is in place
- I obtain authorisation to enter

## Driving

Follow safe driving rules



- I always wear a seatbelt
- I do not exceed the speed limit, and reduce my speed for road conditions
- I do not use phones or operate devices while driving
- I am fit, rested and fully alert while driving
- I follow journey management requirements

## Energy Isolation

Verify isolation and zero energy before work begins



- I have identified all energy sources
- I confirm that hazardous energy sources have been isolated, locked, and tagged
- I have checked there is zero energy and tested for residual or stored energy

## Hot Work

Control flammables and ignition sources



- I identify and control ignition sources
- Before starting any hot work:
  - I confirm flammable material has been removed or isolated
  - I obtain authorisation
- Before starting hot work in a hazardous area I confirm:
  - a gas test has been completed
  - gas will be monitored continually

## Line of Fire

Keep yourself and others out of the line of fire



- I position myself to avoid:
  - moving objects
  - vehicles
  - pressure releases
  - dropped objects
- I establish and obey barriers and exclusion zones
- I take action to secure loose objects and report potential dropped objects

## Safe Mechanical Lifting

Plan lifting operations and control the area



- I confirm that the equipment and load have been inspected and are fit for purpose
- I only operate equipment that I am qualified to use
- I establish and obey barriers and exclusion zones
- I never walk under a suspended load

## Work Authorisation

Work with a valid permit when required



- I have confirmed if a permit is required
- I am authorised to perform the work
- I understand the permit
- I have confirmed that hazards are controlled and it is safe to start
- I stop and reassess if conditions change

## Working at Height

Protect yourself against a fall when working at height



- I inspect my fall protection equipment before use
- I secure tools and work materials to prevent dropped objects
- I tie off 100% to approved anchor points while outside a protected area



An aerial photograph of an offshore oil rig at sunset. The rig is illuminated with warm lights, and the sky is a mix of orange and blue. A teal semi-transparent rectangle is overlaid on the center of the image, containing the text 'SITUATIONAL AWARENESS' in white, uppercase letters. A white dotted line is positioned above the text.

SITUATIONAL  
AWARENESS





# “Situational Awareness”



## What is the “**Situational Awareness**”?

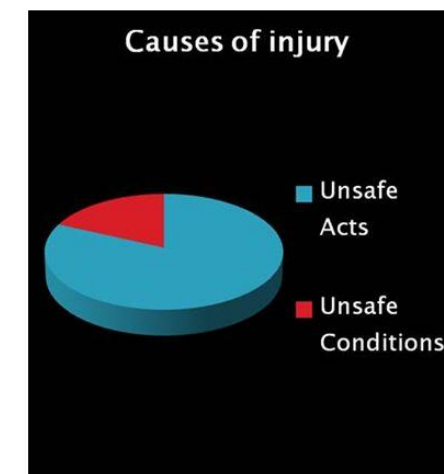
The meaning of situational awareness is, in simple terms, being aware of what’s going on around you so you can anticipate things happening and take action, ideally before it happens.

## Situational Awareness is being aware of what is around you in terms of :

- Where you are.
- Where you are supposed to be.
- Whether anyone or anything around you is a threat to health and Safety.
- Our Knowledge, education and experience allows us to understand what is around us and to determine if it is safe.

## SITUATIONAL AWARENESS - DEFINED

- In the workplace a staggering 80% of safety incidents are believed to be caused by human error.
- A lack of **Situational Awareness** has been identified as one of the chief contributing factors



*“ Think S.M.A.R.T before you S.T.A.R.T ”*



# “Situational Awareness”



- SA is important to everyone. We all need to know what is around us. Without awareness we do not see potential hazards. Unfortunately, under those circumstances we do not protect ourselves or the others.
- Being aware of your surroundings means not only paying attention to what you see but often what you don't, comparing what is normal to what you have in front of you and assessing it and looking for things that are irregular.
- Even the most experienced people can lack of Situational Awareness. Especially when performing tasks that are routine.





# “Situational Awareness”



## Few ways to improve situational Awareness at work:

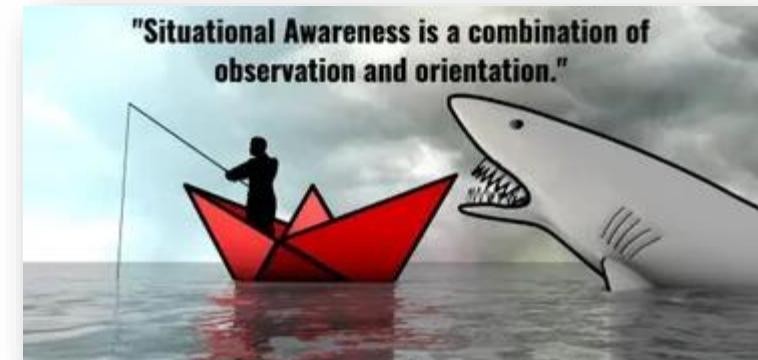
- Learn to predict Events – To think ahead and determine how it will affect future actions and events in the environment.
- Identify Elements around you – To monitor, detect & recognize multiple situational elements which include objects, events, people and environmental factor.
- Avoid Complacency – Assuming everything is under control will affect your vigilance. You have to actively keep yourself in the right mindset.

### Improving Situational Awareness

- **Situational Awareness (SA)** is the assessment side of risk management
- **SA** allows us to improve the efficiency, safety, and effectiveness of operations

*“Situational awareness is the accurate perception of what is going on around you...”*

*“...and is the primary basis for subsequent decision making and performance in the operation of complex, dynamic systems.”*



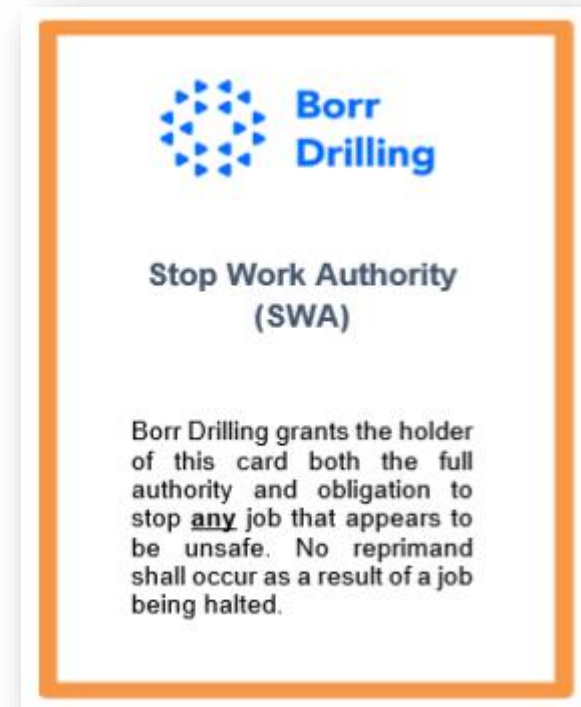


# “Situational Awareness”



## SLAM consists of four simple steps:

- **STOP** – Engage your mind before your hands. Look at the task in front of you.
- **Look** – At your workplace and find hazard that are present in your workplace.
- **ASSESS** – The effects that the hazards will have upon you, the people you work with, equipment, procedures, pressures and the environment around you.
- **MANAGE** – If you feel the operation is unsafe, apply **TOFS**. Tell your supervisor and workmates. Discuss what actions are needed with your supervisor to make the situation safe.







SAFETY ALERT SHARING



# Safety Alert

Safety Alert No. 2022-005	Incident No. IE-2205-0009	Issued: 24-May-2022
<b>MTC – Hand Injury – Pinched Little finger when changing out TDS bails</b>		
<b>Incident description:</b>		

The operation was to install the TDS Bails to continue operation. After position the bail in the proper place, personnel prepared and picked up the pin retrieval tool with the securing pin attached to it. This retrieving tool included a sliding hammer to properly secure pin to hold bails in position. This was lifted using an air hoist with a single sling attached to one of the handles of the hammer sleeve of the retrieval tool assembly. After installing the securing pin of the bails, the tool was being spined to unscrew it from the pin. The IP had his right hand on the hammer sleeve and his left hand on the body of the tool pipe (where the hammer sleeve slides freely). When the tool assembly disconnected from the pin, the weight of the tool led the front of the tool tilting, as it had more weight on that side. As the tool tilted, the hammer sleeve did not move as it was secured with the air hoist, however the tool slid down further, catching the little finger of the left hand of IP.

According to the OEM manual, this tool must be assembled / disassembled in sections, instead of installing it whole. This, to avoid handling an equipment that is heavy (+49 kgs) and to decrease the possibilities of an injury

## Root Cause:

- 1. Failure to adhere to PPIG / taking shortcuts** – There was no pre-job meeting / Toolbox talk nor planning of the task being carried out.
- 2. Poor organisational culture or safety culture**- None of the involved personnel exercised SWA for not having a planning meeting.
- 3. Inadequate risk assessment / planning / preparation** – Work Instruction was printed and available but not discussed at toolbox talk.

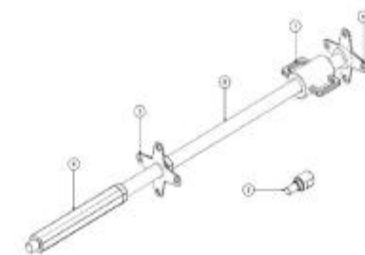
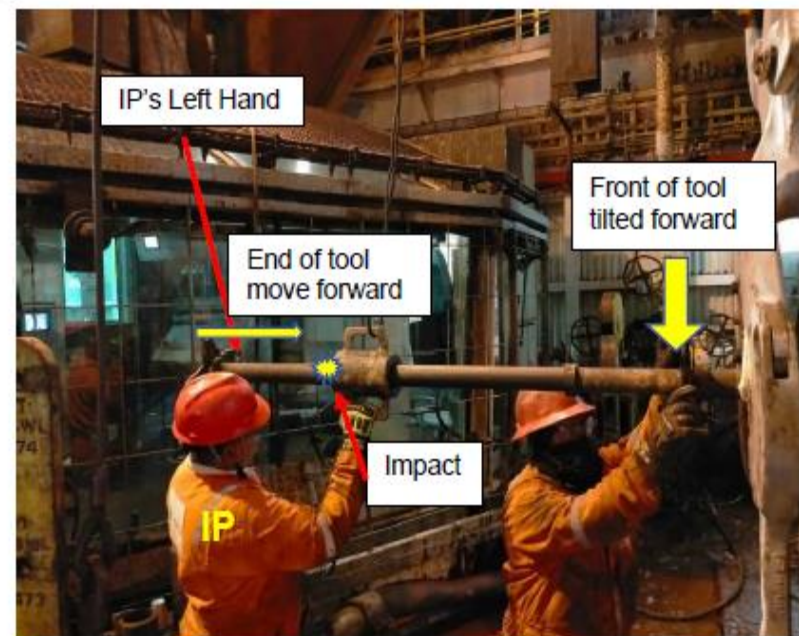


Diagram showing the sections of the pin retrieval tool.

# Safety Alert

Safety Alert No. 2022-006	Incident No.IE-2205-0010	Issued: 24-May-2022
<b>RWC – Third Party Pinched his left-hand little finger in maintenance unit door</b>		
<b>Incident description:</b>		

IP went to the maintenance unit for daily routine activities. As the IP left the wireline maintenance unit, he realized he had forgotten his USB flash drive and returned to retrieve it. At that time, the wind blew the door shut. When he tried to catch the edge of the door before it closed, his left-hand little finger was pinched between the door and the frame resulting in injury.

The IP was wearing cut resistant gloves (light duty) when the incident occurred. The wind speed was approx. 12 Knots. There is no pinch point signage on the outside or anti-door slam device to slow the door movement to prevent slamming.



Picture is for representation only and taken for sharing of lessons learned and are not of the actual event.

## Root Causes:

### 1. PPE used incorrectly

- a. The IP was not wearing impact resistant glove as per Personal Protective Equipment procedure COR-PRO-0597 - "All employees shall wear work glove while on tour, The minimum standard for hand protection will be the rigger style (Impact resistant)".

### 2. Lack of Situational Awareness

- a. The IP did not grab the handle of the door during the door shut, instead grabbed the edge of the door.

### 3. Inadequate Signage / label and door handle

- a. There is no notification(sticker) or pinch point signage on the outside of the door.
- b. Dedicated handle (separate to the latch mechanism) for holding the door not provided.

## Proposed Corrective Actions:

1. Survey doors on your rig and ensure safety devices as stated below are installed



# Safety Alert

Safety Alert No. 2022-007	Incident No. IE-2205-0019	Issued: 24-05-2022
<b>Lost Time Incident:</b> One joint of 5 7/8" drill pipe rolled onto IP's left foot		
<b>Incident description:</b>		

The deck crew were in the process of lifting 1 bundle of 6 joints of 5 7/8" Drill pipe onto the catwalk. After the load was landed and the slings removed the IP proceeded to use a pry bar to roll the joints out flat. At this point, one joint of pipe rolled over and off the pipe stop ramp onto the IP's left foot. The IP was escorted to the medic for initial treatment and a decision was taken to send onshore for a medical assessment.



IP position during the activity, using pry bar to adjust tubulars



Drill pipe shown rolled off catwalk (note lack of pipe stop ramp side rail)

*Pictures are for representation only and taken for sharing lessons and are not of the actual incident.*

## Root Causes:

- Flawed design** – a. Pipe stop ramp as per original rig design but did not prevent pipes from rolling off, b. Proximity of ramp to V door ramp meant there working area was restricted
- Inadequate procedure** – *Handling Tubulars on Deck WI* did not fully cover all the risks associated with laying out pipe on the catwalk
- Lack of situational and hazard awareness** – Failure to recognize the importance of maintaining an escape route and avoiding being in the line of fire
- Inadequate Risk/Assessment/Planning/Preparation/Supervision** – The operation had changed from preparing to run casing to picking up additional drill pipe. No evidence of dynamic assessment risk arising from this change
- Housekeeping** – there were a number of pieces of equipment in the area which did not need to be there for this part of the operation.

## Corrective Actions:

- Ensure Pipe stop ramp are installed to prevent pipes rolling off and to provide better access to base of V door ramp

PTTEP SSHE  
EXPECTATION



# Human Factor

LEADERSHIP



Characteristics  
Of  
A  
Good  
Leader



**HOW TO  
BECOME A LEADER**







# **BBS Card of The Week**



# BEST CARD OF THE WEEK



22<sup>nd</sup> May 2022 - 28<sup>th</sup> May 2022



**Franco Harrison Joe**  
**Position: Floorman**  
**Company: Awatra Connect Energy**

**Observation**  
 Found some screens for shaker is rusted and damage which no longer can be use.

**Action Taken**  
 Segregate the screens properly and dispose the damage ones. Job done safely.



# *Congratulation*





# BEST CARD OF THE WEEK



22<sup>nd</sup> May 2022 - 28<sup>th</sup> May 2022



**Olen Anak Kok**  
**Position: Roustabout**  
**Company: Awatra Connect Energy**

**Observation**  
Observed personal attempt to lift heavy tools when transfer from production deck to mezzanine deck area.

**Action Taken**  
Intervene him and assist him to lift. Explain to him on applying buddy system.



# *Congratulation*



# BEST CARD OF THE WEEK



22<sup>nd</sup> May 2022 - 28<sup>th</sup> May 2022



**Hillary Naing Anak Sylvester**  
**Position: Roustabout**  
**Company: Awatra Connect Energy**

**Observation**

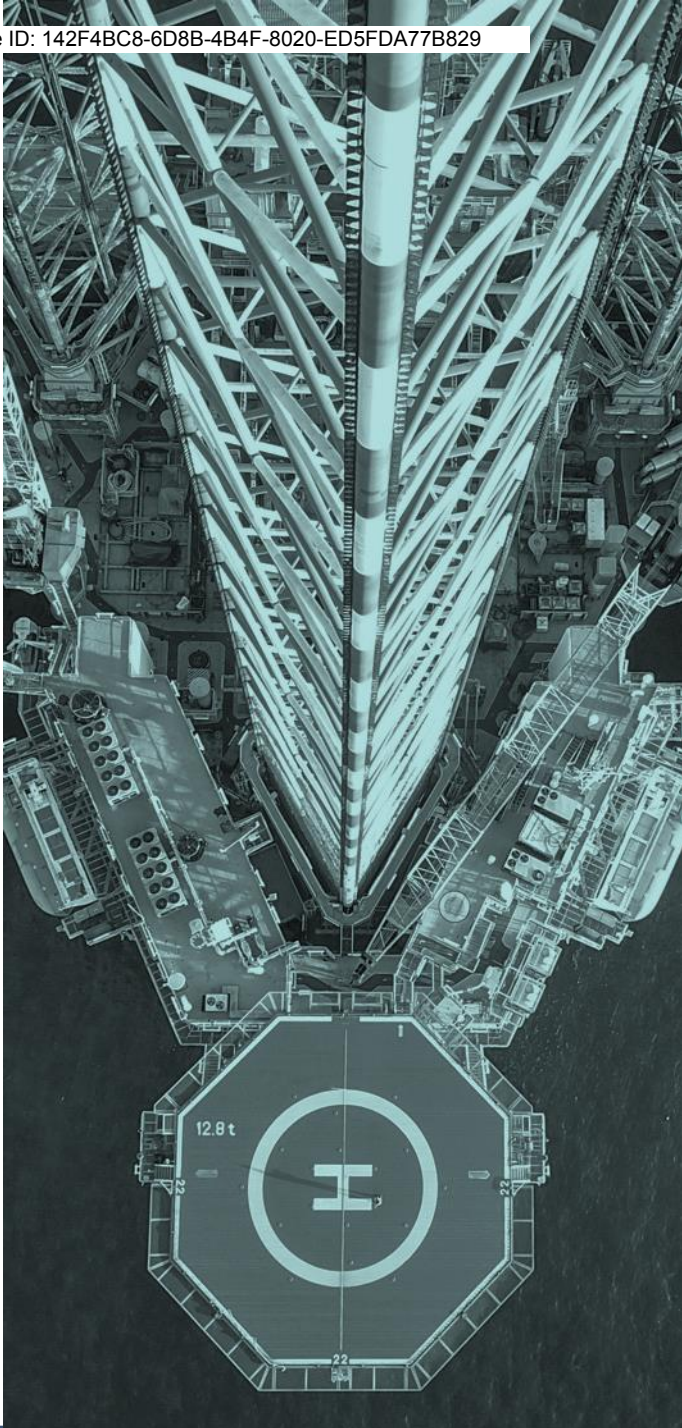
After installing secondary retention sling on the billy pugh, I double check all the slings ensuring everthing is in good condition. But I noticed that the safety pin was missing on the shackles of secondary retention sling.

**Action Taken**

Stop the job and install safety pin immediately for safety purposes. Issue has been rectified.



# *Congratulation*



# OIM & PTTEP Company Man Closeout Meeting



“In safety, we concern ourselves not just with the tasks but how we accomplish the task.”

THANK YOU

BUILT TO MAKE A  
DIFFERENCE



Borr  
Drilling

[borrdrilling.com](http://borrdrilling.com)

EVIDENCE: ROLL OUT OF BEST FOOT FORWARD CAMPAIGN

# Slip, Trip and Fall Prevention Awareness

- Borr Drilling initiative : “Best Foot Forward” Program



### Best Foot Forward : Borr Procedures

**FOR REFERENCES ONLY**

While pre-job planning, Work Instruction, and Hazard Analysis (HA) is conducted it is **not acceptable** to only mention, "Watch for out for Slipping, Tripping & Falling".

All supervisors are required to have their crews identify slip, trip and fall hazards physically and encourage active participation. This can be done by having crew members identify or repeat the potential hazards of the task.



### Best Foot Forward : Slip, Trip & Fall prevention Tools

- Stop Work Authority policy
- Work Instruction
- Risk Assessment
- Toolbox Talk
- MBWA
- SSE Program
- Training
- BBS
- PPE
- Eyes on the Task!
- Mind on the Task!

**FOR REFERENCES ONLY**





# EAS BORR DRILLING

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## BEST FOOT FORWARD CAMPAIGN

Jun-Jul 2022 Rev03

**FOR REFERENCES ONLY**



# Best Foot Forward : Meaning and causes

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Slip, Trips and falls are some of the most common workplace accidents and can be seriously detrimental to our health. Watching your steps can help minimize the potential slip, trips and falls incident in the workplace.

**SLIPS** - loss of balance caused by little friction between a person's foot and a walking surface.

**FOR REFERENCES ONLY**

## Common Causes:

- Wet or oily surfaces,
- Occasional spills,
- Weather hazards,
- Loose, unanchored rugs or mats, and
- Flooring or other walking surfaces that are worn.
- Type of footwear or worn shoe soles



# Best Foot Forward : Meaning and causes

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## TRIP

- Hit an object, lose your balance and fall

### Common Causes:

- Obstructed view or obstacles on walkway
- Poor lighting
- Clutter in your way
- Wrinkled carpeting
- Uncovered cables
- Drawers not being closed
- Uneven (steps, thresholds) walking surfaces

**FOR REFERENCES ONLY**





# Best Foot Forward : Meaning and causes

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## Fall

- When you lose your balance & drop to the floor

There are three types of falls:

1. Falls on the same level - Slip or trip immediately precedes fall to floor or walkway.
2. Falls to lower level - Falls are from platforms, docks, ladders, steps or stairs.
3. Jumps to lower level - An intentional jump from one level to another, Employee jumps off ladder, dock, equipment.

**FOR REFERENCES ONLY**

### Fall related hazards

- Working/Walking On, Close, or Near:
  - ❖ Wet and slippery surfaces
  - ❖ Unprotected sides or edges
  - ❖ Ladders and stairways
  - ❖ Roof or floor openings, holes, hatches, and skylights
  - ❖ Unstable surfaces
  - ❖ Scaffolds and work platforms
  - ❖ Dangerous equipment
- Falls on stairs or steps
- Falls from height without fall protection.



# Best Foot Forward Discussion Points

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Take a moment to look around you and think of your workplace

- Do you see any Slip, Trip & Fall hazards?
- What can possibly go wrong?
- What type of injury can occur if hazards are not mitigated?
- How can we prevent any potential injury?



FOR REFERENCES ONLY

# Best Foot Forward : Recommended work practices to prevent slip, trips and fall

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## Good housekeeping always helps prevent slips, trips, and falls:

- Keep floors clean and dry.
- Provide warning signs for wet floor areas.
- Keep all workplaces clean and orderly .
- Keep aisles/passageways clear of obstructions that could create a tripping hazard.
- Access to exits must remain clear of obstruction at all times.
- Ensure spills are reported and cleaned up immediately.
- Use only properly maintained, approved ladders to reach items.
- Do not use stools, chairs, or boxes as substitutes for ladders.
- Electric cables, hoses need not run across walkways and become tripping hazards.
- Eliminate cluttered or obstructed work areas.
- Adequate lighting for all work areas.
- Use handrails on stairs, avoid undue speed, and maintain an unobstructed view of the stairs ahead.
- Stair steps with equal rise and equal tread. Anti slip plates installed on all steps for stairs outside accommodation.
- Use of fall protection equipment while working at height.
- Identify and barricade any uneven surface, openings on the deck.

FOR REFERENCES ONLY

# Best Foot Forward : Root cause of Slip, Trip & Fall

---

## Most of Slip, Trip & Fall incidents occur when we...

- Stop thinking about safety.
- Do not assess the risk.
- Lack of awareness of hazards.
- Rush / Shortcut.
- Distraction.
- Poor foot placement
- Bad housekeeping
- Eyes not on the Task?
- Mind not on the Task!

**FOR REFERENCES ONLY**



# Best Foot Forward Objective

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Our Campaign focus on “**Proactively identifying and eliminating Slip, Trip and Fall hazards**”.

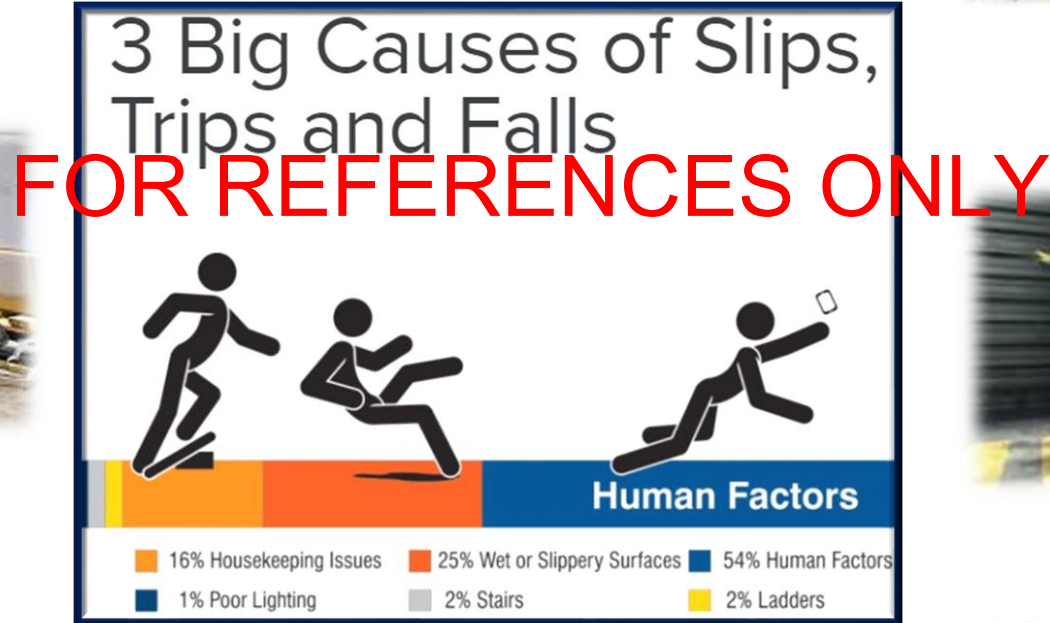
This consists of a framework designed to provide teams with meaningful task-related discussion with peers and colleagues that would otherwise be missed.

FOR REFERENCES ONLY





# Best Foot Forward : Injuries and Causes



# Best Foot Forward : Borr Procedures

---



While pre-job planning, Work Instruction, and Hazard Analysis (HA) is conducted it is **not acceptable** to only mention, "Watch for out for Slipping, Tripping & Falling".

All supervisors are required to have their crews identify slip, trip and fall hazards physically and encourage active participation. This can be done by having crew members identify or repeat the potential hazards of the task.



# Best Foot Forward : Slip, Trip & Fall prevention Tools

- Stop Work Authority policy
- Work Instruction
- Risk Assessment
- Toolbox Talk
- MBWA
- SSE Program
- Training
- BBS
- PPE
- Eyes on the Task!
- Mind on the Task!

## Borr Drilling Stop Work Authority Policy

Safe operations are a key concern to Borr Drilling. Every one of us is obligated not only to ensure our own individual safety and the safety of our co-workers.

Our policy to empower each employee to work safely is as follows:

- ▶ Every Borr Drilling employee and third-party personnel working on Borr Drilling facilities, has the full authority and obligation to stop any task that appears to be unsafe.
- ▶ Tasks that have been stopped will not restart until identified hazard is clearly communicated and appropriate preventative and mitigating controls are implemented to reduce the residual risk to as low as reasonably practicable for safe continuation of job.
- ▶ Any form of retribution or intimidation directed at any person for exercising their authority as outlined in this policy will not be tolerated.
- ▶ Regular stop work authority drills shall be conducted to ensure personnel have the confidence to exercise their responsibility and authority to stop unsafe work.

*Patrick Schom*  
 Patrick Schom  
 CEO  
 Borr Drilling  
 8th September 2020

Disassemble and clean out CHK / Stand pipe manifold gate valves in rig floor and pump room.

**Task Information**

Task and Environment Critical Element (SECT) identified or recognized?	Yes	Permit Required?	Yes	Isolation Required?	Yes/No
Task Location	Rig Floor / Choke Manifold	Supervisory Level of Supervision	Assistant Driller		
Personnel Required	1 Driller				
Equipment Required	1 RAD (oil or Inert Gas) 1 Hammer 1 Soft Sledge 1 Open Trench				
4PPE Required (Additional to the work area)	Hard Hat Safety Glasses Safety Shoes Hearing Protection Fall Protection Hand Protection Eye Protection Respiratory Protection High Voltage Protection Fire Protection Weather Protection Cold Protection Vibration Protection Lifting Protection Fall Protection Hand Protection Eye Protection Respiratory Protection High Voltage Protection Fire Protection Weather Protection Cold Protection Vibration Protection Lifting Protection				
Pre-job Review	Pre-job Review (Other or emergency tasks)				

**LIFE-SAVING RULES**

- 1. Stop Work Authority
- 2. Eyes on the Task
- 3. Mind on the Task
- 4. Safe Work Practices
- 5. Proper Use of Tools and Equipment
- 6. Correct Use of PPE
- 7. Safe Lifting Techniques
- 8. Safe Working Postures
- 9. Safe Use of Ladders
- 10. Safe Use of Hoists
- 11. Safe Use of Cranes
- 12. Safe Use of Excavators
- 13. Safe Use of Drills
- 14. Safe Use of Welding
- 15. Safe Use of Grinding
- 16. Safe Use of Cutting
- 17. Safe Use of Bending
- 18. Safe Use of Straightening
- 19. Safe Use of Flaring
- 20. Safe Use of Beaming
- 21. Safe Use of Bolting
- 22. Safe Use of Unbolting
- 23. Safe Use of Painting
- 24. Safe Use of Blasting
- 25. Safe Use of Drilling
- 26. Safe Use of Trenching
- 27. Safe Use of Excavating
- 28. Safe Use of Backfilling
- 29. Safe Use of Compacting
- 30. Safe Use of Grading
- 31. Safe Use of Paving
- 32. Safe Use of Concrete
- 33. Safe Use of Rebar
- 34. Safe Use of Formwork
- 35. Safe Use of Scaffolding
- 36. Safe Use of Shoring
- 37. Safe Use of Bracing
- 38. Safe Use of Ties
- 39. Safe Use of Anchors
- 40. Safe Use of Bolts
- 41. Safe Use of Nuts
- 42. Safe Use of Washers
- 43. Safe Use of Spacers
- 44. Safe Use of Gaskets
- 45. Safe Use of Seals
- 46. Safe Use of O-rings
- 47. Safe Use of Gaskets
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- 99. Safe Use of Seals
- 100. Safe Use of O-rings

**RISK MATRIX**

Severity	Frequency	Risk Level
High	High	Very High
High	Medium	High
High	Low	Medium
Medium	High	High
Medium	Medium	Medium
Medium	Low	Low
Low	High	Medium
Low	Medium	Low
Low	Low	Very Low

FOR REFERENCES ONLY

**Work Observation**

Home / Work Observation

**Recent Forms**

Form Number	Business Unit	Observation Date	Observation Type	Description
OC-2202-0674	Pro 5	2022-02-22	Management Site Visit	MBWA - SPC
OC-2202-0673	Pro 5	2022-02-22	Management Site Visit	Third party person doing checks to install equipment
OC-2202-0672	CME1	2022-02-22	Management Site Visit	Demarcados materiales en la plataforma, al grado que reduce las rutas de escape y hace más peligroso
OC-2202-0671	Saga	2022-02-22	Management Site Visit	Work site observation
OC-2202-0670	Gersemi	2022-02-21	Management Site Visit	MBWA by Hector Gomez DRILLER
OC-2202-0669	CME1	2022-02-21	Management Site Visit	MBWA ANGEL ROBLES
OC-2202-0668	Misa	2022-02-22	Management Site Visit	MBWA Chief Electrician



**Borr Drilling BBS**

Proceso de seguridad basado en el comportamiento / Behavior Based Safety Process

Plataforma/Top: Fecha/Date:

Comportamiento  Verificar si se cumple / Condition  Comportamiento BBS (1 a 11) / BBS Conversations (1 to 11)

Autoridad para Detener el trabajo / Stop Work Authority

Tiempo fuera planeado para seguridad / Planned Time Out for Safety

Categorías / Categories

Todo Seguro / All Safe  Comunicación / Communication

PPE / PPE  Planificación / Planning

Herramientas & Equipos  Procedimientos / Procedures

Orden y Limpieza / Order & Cleanliness  Procedura

Orden y Limpieza / Order & Cleanliness  Posición del cuerpo / Body Position

Housekeeping  Body Position

¿Qué fue observado o discutido? / What was observed or discussed?

¿Qué acción se recomienda? / What action is recommended?

¿Qué acción tomó o pactó? / What action did I take or agreement made?

Observación hecha por: Observation by:

Nombre / Categoría: Name / Position:

# Best Foot Forward : Slip, Trip & Fall prevention Tools

Slip, Trip & Fall Check Sheet shall utilize as a part of PJSM.

### Best Foot Forward Campaign

EAS-FRM-0007	Eastern Hemisphere - Risk Management	Ver: 1
Owner: Health, Safety and Environmental Manager	Approver: Operations Manager - EH	

Date: \_\_\_\_\_ Checked by [Name & designation]: \_\_\_\_\_ Company/Rig: \_\_\_\_\_

Task: \_\_\_\_\_ Task Location: \_\_\_\_\_

No.	Slip, Trip and Fall hazards - Last Minute Check	Yes	No
1	✓ <b>CHECK:</b> Have you <b>inspected</b> the work area for potential Slip, Trip and Fall Hazards?		
2	✓ <b>CHECK:</b> Work area is in a good Housekeeping?		
3	✓ <b>CHECK:</b> Have you <b>identified</b> any unsafe condition that can cause a slip, trip or Fall?		
4	✓ <b>CHECK:</b> Have you <b>mitigated</b> any identified hazards at your work place that can cause a Slip, Trip or Fall?		
5	✓ <b>CHECK:</b> Be aware of the position of your feet, "ES" in front of our awariness. <b>NOTE:</b> If you see any Slip, Trip & Fall hazards, "Stop the Job and Re-assess"		

What are the control measures to prevent Slip, Trip& Fall injuries during the task, and are they identified on the Work Instruction (WI) and/or JSA?

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

Printed copies are uncontrolled and serve as information only.

1

Grating & Walkway Inspection Checklist Survey  
EAS-FRM-Rev03, 2022

### Grating & Walkway Inspection Checklist Survey

Inspection Guidance	
Damage or Deformity	Can a slip, trip or fall occur due to condition of the grating or underlying structure?
Condition of grating	Is there excessive rust or wastage?
Structural supports	What is the condition of the structural members supporting the grating?
Retaining Devices	Clips used to secure the grating, number, security, condition?
Fit or shape of grating	If the retaining clips broken can the grating fall through?
Condition of Walkway	Any obstruction on the walkway?

<b>Crown area</b>	Findings:	
Check if all OK: <input type="checkbox"/>		
(Inspector)	(Date)	(SBC - Signature)
<b>Monkey board</b>	Findings:	
Check if all OK: <input type="checkbox"/>		
(Inspector)	(Date)	(SBC - Signature)
<b>Mill Floor</b>	Findings:	
Check if all OK: <input type="checkbox"/>		
(Inspector)	(Date)	(SBC - Signature)
<b>Drill floor stair cases</b>	Findings:	
Check if all OK: <input type="checkbox"/>		
(Inspector)	(Date)	(SBC - Signature)
<b>Sub-structure</b>	Findings:	
Check if all OK: <input type="checkbox"/>		
(Inspector)	(Date)	(SBC - Signature)
<b>Cantilever - Bays</b>	Findings:	
Check if all OK: <input checked="" type="checkbox"/>		
(Inspector)	(Date)	(SBC - Signature)
<b>Cantilever walkways</b>	Findings:	
Check if all OK: <input type="checkbox"/>		
(Inspector)	(Date)	(SBC - Signature)
<b>Accumulator Decks</b>	Findings:	
Check if all OK: <input type="checkbox"/>		
(Inspector)	(Date)	(SBC - Signature)
<b>Shale Shaker</b>	Findings:	

Slip, Trip & Fall Check Sheet

Grating and Walkway Inspection Checklist

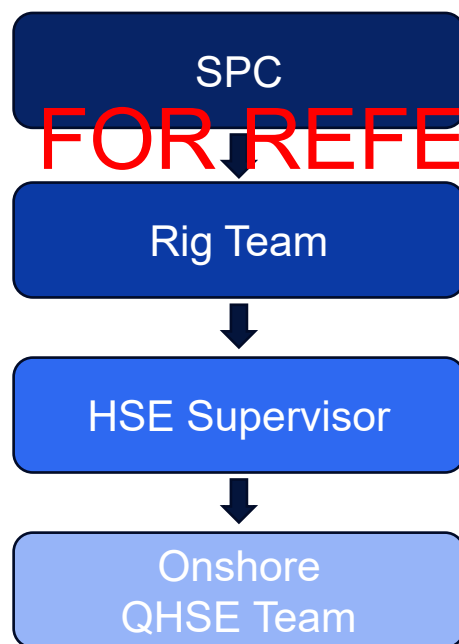





# Best Foot Forward : Lesson Learned

Following a finding or event investigation, the lessons learned to be shared with fleet. The department heads will decide whether an alert needs to be created or lessons learned captured within the processes or procedures.

## Lesson Learned preparation Workflow



FOR REFERENCES ONLY

Borr Drilling		Lessons Learned	
LESSONS LEARNED No.			
SUBJECT:	Hands Free Manual Catwalk		
PUBLISH DATE:			
DESCRIPTION OF INCIDENT:	<ul style="list-style-type: none"> <li>Head Laceration Due to Fall</li> <li>On 24th November 2021, approximately around 0245hrs, the operation was laying out 5" HWDP. The IP attached catwalk winch to assist pulling joint along catwalk. The IP after connecting the catwalk winch to the HWDP moved along the catwalk away from the V-door to a safer area (30ft from the V-door), on the catwalk. The IP turned around to face the joint, (as tension was taken up by the catwalk winch operator), and simultaneously stepped backwards, tripping on previously laid out joints of HWDP on the catwalk. This resulted in the IP losing his balance falling backwards off the catwalk 2ft, striking his head on a rack of tubing in the bay next to the catwalk.</li> </ul>		
INCIDENT CAUSE:	<ul style="list-style-type: none"> <li>IP fail to identify a safer egress area</li> <li>Poor situational awareness</li> </ul>		
ACTION ITEMS:	<ul style="list-style-type: none"> <li>To identify the access/egress, to be incorporated into the Work Instruction and discussed during PJSM.</li> <li>Incorporated in WIU-2007-1069 Marine deck activities</li> <li>Incorporated in WIU-2010-0032 Offshore Tubular Operation</li> </ul>		

Example of Lesson learned



FOR REFERENCES ONLY

**“Your First Priority is time with your family”**

**THANK YOU**

.....  
**FOR REFERENCES ONLY**  
**Q&A**

**BUILT TO MAKE A  
DIFFERENCE**



**Borr  
Drilling**

[borrdrilling.com](http://borrdrilling.com)



## **APPENDIX F: NOTICE OF INCIDENT**

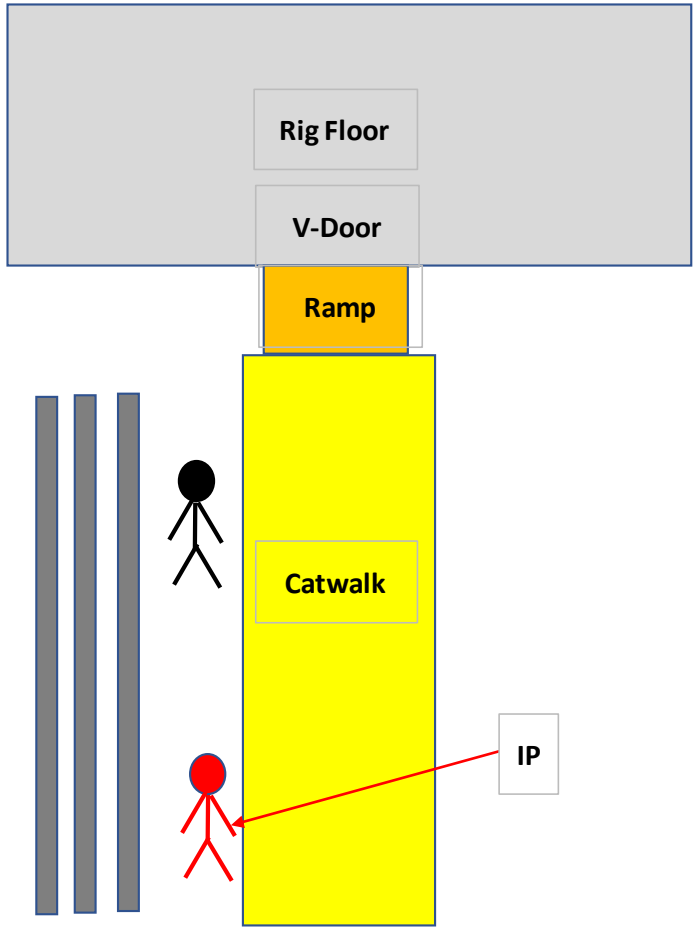




## Notification of Incident (NOI)

<b>Activity/Package:</b>	Layout 4 ¾" drill collar from main deck to STBD cantilever.
<b>Location:</b>	Serampang Field (onboard Rig Gunnlod)
<b>Incident Date:</b>	23 May 2022 Time: 2130 Hrs.
<b>Incident One-line Summary</b>	IP sustained deep wound laceration on the left foot pinky toes.
<b>What happened:</b>	<p>The task was to lay out <b>4-3/4"</b> Drill Collar from Main Deck to Starboard Cantilever Deck. The plan was to pick up only 1x joint of 4-3/4" Drill Collar from the 1x bundle (7x jts) of 4-3/4" Drill Collar.</p> <p>IP (roustabout) was about to remove the tag line from the sling after the crane operator has landed the bundle on the cantilever deck.</p> <p>Upon removing the tag line, the bundle suddenly came loose and 1x jt of 4-3/4" Drill Collar rolled on IP left foot and injured his fifth (pinky toe).</p> <p>Witness informed his supervisor (Crane Operator), Stop Work and immediately brought IP to medic.</p> <p>IP was MEDEVAC by boat to Bintulu approximately 0200Hrs from location and arrived at Bintulu 0400Hrs. Ambulance already standby at the jetty and bring the IP straight to the Hospital (Columbia Asia).</p>
<b>Who was involved?</b>	Crane operator, Banksman, Roustabout
<b>Consequence:</b>	<p>Deep wound laceration on the left foot pinky toes.</p> <p>Update from ISOS 23<sup>rd</sup> May 2022 0800hrs:</p> <ul style="list-style-type: none"> <li>• Patient arrived safely at shore and referred to Columbia Asia Hospital Bintulu.</li> <li>• X ray of left foot done showing comminuted fracture over left 5<sup>th</sup> toe.</li> <li>• Patient then admitted under Orthopaedic Surgeon for further management.</li> </ul>
<b>Required support from Office/Corporate:</b>	Nil

<b>Incident Classification (if known):</b>	TBA
<b>Reported By:</b>	Drilling Supervisor (DSV) – SSHE – OIM- Gavin
<b>Additional comment from Supervisor/Manager</b>	Standdown meeting on the rig floor with all crews from day and night shift at 2345 Hrs.





## APPENDIX G: JKPP FORM

Muat turun PDF

Paparannya pada skrin mungkin berbeza, sila muat turun untuk paparan penuh

WP/SKEM/22/01716 ▲

**JKKP 6 - PEMBERITAHUAN MENGENAI KEMALANGAN/KEJADIAN BERBAHAYA**

PERATURAN-PERATURAN KESELAMATAN DAN KESIHATAN PEKERJAAN(PEMBERITAHUAN MENGENAI KEMALANGAN, KEJADIAN BERBAHAYA, KERACUNAN PEKERJAAN DAN PENYAKIT PEKERJAAN) 2004

<b>BAHAGIAN A : MAKLUMAT PEMBERITAHU</b> Pemberitahu - Peraturan 5(1) & 2() Majikan		<b>BAHAGIAN B : ORANG YANG TERLIBAT</b> (Jika lebih dari seorang, sila gunakan borang berasingan bagi setiap orang yang terlibat)	
<b>Nama :</b>	LONGCHIK BIN YAAKOB	<b>Nama :</b>	Bedai Anak Linang
<b>Jawatan :</b>	QHSE Supervisor	<b>Tarikh Lahir:</b>	01/03/1981
<b>Nama &amp; Alamat Organisasi :</b>	Borr Drilling Malaysia Sdn Bhd W14-A0, 14th Floor, Block West, Golden Eagle Realty, 142C Jalan Ampang , 50470 , KUALA LUMPUR, WILAYAH PERSEKUTUAN KUALA LUMPUR	<b>No K/P atau No.Passport :</b>	810301135465
<b>No.ROC :</b>		<b>Jantina :</b>	Lelaki
<b>No.Pendaftaran JKPP :</b>		<b>Warganegara :</b>	Malaysia
<b>Orang yang boleh dihubungi (jika lain dari atas) :</b>		<b>Pekerjaan :</b>	Roustabout
LONGCHIK BIN YAAKOB		<b>Nama &amp; Alamat Organisasi :</b>	Borr Drilling Malaysia Sdn Bhd W14-A0, 14th Floor, Block West, Golden Eagle Realty, 142C Jalan Ampang
<b>Kod Klasifikasi Industri (Jadual 3) :</b>	22	<b>Tarikh &amp; Masa Kejadian :</b>	22/05/2022 10:30:00 PM
		<b>Tarikh Mula Laporan kepada JKPP :</b>	28/05/2022

**Bahagian C - Huraian kemalangan atau kejadian berbahaya**

Sila huraikan apa yang berlaku sebelum, semasa dan selepas kejadian.

Date of Incident: 22nd May 2022

Location: Offshore Serampang Field (onboard Rig Gunnlod)

Drilling Campaign: Serampang(SEPA) Infill Development Campaign

What Happen : Drill Collar roll onto I.P left foot while removing the tag line resulting in a deep laceration wound on his pinky toe

Where it Happen: Cantilever deck - to lay out 4-3/4" Drill Collar from Main Deck to Starboard Cantilever Deck

**Incident Description:**

Upon landing a bundle of drill collar pipe at starboard cantilever deck, a roustabout (IP) is attempting to remove the tag line.

The bundle inadvertently became loose causing a joint of drill collar rolled towards IP and landed on IP's safety boot of IP left foot resulting in a deep wound laceration on the pinky toe.

IP received first aid treatment by rig medic and later medevac to shore. The X-ray result shows a fracture at IP left foot's pinky toe.

**Immediate Action Taken**

Banksman stopped the Job. Informed his Supervisor and IP went to sick bay for treatment.

OIM, PTTEP DSV informed. TOFS was called with everyone involved in the task.

Stand down meeting held on 2345hrs for the both shift.





## **APPENDIX H: COMCEN NOTIFICATION OF INCIDENT**

## Yati Ahmad

---

**From:** Sharifah Rohana Syed Ibrahim  
**Sent:** Monday, May 23, 2022 3:48 PM  
**To:** Mas Ariff Ariffin (GHSE/PETH); Adli B. Ishak; Jailanee Othman  
**Cc:** Zarafina Abdul Rahman; Md Ezamudin Mohd Said; Nitipong Kongpat; Azlan Salim; Adi Firdaus Md. Anour; Lindawati Abdul Latip; Yati Ahmad; Azly Adil Idris Dzulkpli; Tengku Saifuzzaman Tengku Ahmad Shahrudin; Mohamad Saufi Supar; Ahmad Hakam Abdul Razak  
**Subject:** Initial Notification to COMCEN\_Injurious Incident\_Drilling Rig on 22 May 2022 (09.30pm)  
**Attachments:** COMCEN\_INC\_PTTEP\_2022\_4\_1.pdf

Dear Tn. Mas Ariff,

Kindly find the enclosed initial incident notification reporting an injurious incident occurred on board our drilling rig in Sarawak on 22 May 2022 at 09.30pm. The IP sustained laceration on his left 5<sup>th</sup> toe and was disembarked onshore for medical treatment at Columbia Asia Hospital in Bintulu. We are monitoring the IPs program and will keep you updated.

En. Adli,

Kindly find the information for partners notification. We will share the SSHE Alert asap (within 7 days from yesterday).

Thank you.

### Sharifah Rohana | SSHE Assurance & Planning

Level 33-35, No. 1 Jalan Pinang,  
50450 Kuala Lumpur  
Email address: SharifahRSI@pttep.com



**COMCEN:**

Tel: +603 2331 2141/ 42/ 43/ 44OR + 603-2161 1703

Fax: +603 2161 1696 / +603-2051 2101

SMS: +6019-384 4696 / +6012 3168496

Email: comcen@petronas.com.my

**FROM:**

PAC: PTTEP Sarawak Oil Limited

Tel:

Fax:

Sequence No: COMCEN/INC/PTTEP/2022/4/1

Type (OPU to tick)	COMCEN to notify the following notification list: (OPU to tick <b>With IMPACT / Hi-Po / No IMPACT</b> where relevant)	OPU to notify internally as follows:
<input checked="" type="checkbox"/> Non-emergency <input type="checkbox"/> Tier 1 <input type="checkbox"/> Tier 2	<input type="checkbox"/> <b>With IMPACT / HIGH POTENTIAL INCIDENT*</b> <ul style="list-style-type: none"> <li>• PETRONAS ELT</li> <li>• VP GHSE</li> <li>• Head GHSE</li> <li>• Head Group Security</li> <li>• Head Group Strategic communications</li> <li>• GM HSE MPM (for Domestic Upstream Emergency only)</li> </ul> <input checked="" type="checkbox"/> <b>No IMPACT*</b> <ul style="list-style-type: none"> <li>• PETRONAS ELT</li> <li>• VP GHSE</li> <li>• Head GHSE</li> <li>• Head Group Security</li> <li>• Head Group Strategic communications</li> <li>• GM HSE MPM (for Domestic Upstream Emergency only)</li> </ul>	<ul style="list-style-type: none"> <li>• Notification list as established by OPU / BU</li> </ul>
<input type="checkbox"/> Tier 3	<ul style="list-style-type: none"> <li>• PETRONAS ELT</li> <li>• VP GHSE</li> <li>• Head GHSE</li> <li>• Head Group Security</li> <li>• Head Group Strategic communications</li> <li>• GM HSE MPM (for Domestic Upstream Emergency only)</li> </ul>	<ul style="list-style-type: none"> <li>• Notification list as established by OPU / BU</li> </ul>

**\*DESCRIPTION OF IMPACT, EMERGENCY, NON-EMERGENCY & HI-PO**

**Impact:**

- Fatality
- Major injury/ health effect that resulted in Permanent Partial Disability/ Lost Workday Case more than 4 days
- Occupational Illness with irreversible health impact
- Asset damage equal or exceeding USD 100,000
- LOPC release equal to or above Tier 1 threshold quantity\*\*
- Spill no longer confined within company site, with off-site environmental impact (e.g. visible contamination to soil / water system, fish killed, vegetation damaged).
- Emission or discharge from regulated / permitted source, exceeding regulatory standard
- Chemical / Noise over exposure (exceeds the occupational exposure limit (OEL))
- Local media / public concerns with considerable reputation consequence or worst

**Emergency:**

- Incident where emergency or crisis team have been activated (Tier 1, Tier 2, or Tier 3)

**Non-Emergency:**

- Incident where there is no activation of emergency or crisis team

**High Potential (Hi-Po) Incident:**

- Any incident which, under different circumstances, would have caused more severe consequences leading to a major incident

**\*\* Note:**

Natural gas, Methane, Ethane, Propane, Butane, LPG, LNG = 500 kg

Petrol, Gasoline, Methanol, above 15 API Gravity Crude oil = 1000 kg or 7 bbl.

Diesel, below 15 API Gravity Crude oil = 2000 kg or 14 bbl.

For other material, please refer to PTS 18.06.01 / API 754 Standard

**COMCEN:**

Tel: +603 2331 2141/ 42/ 43/ 44OR + 603-2161 1703

Fax: +603 2161 1696 / +603-2051 2101

SMS: +6019-384 4696 / +6012 3168496

Email: comcen@petronas.com.my

**FROM:**

PAC: PTTEP Sarawak Oil Limited

Tel:

Fax:

Sequence No: COMCEN/INC/PTTEP/2022/4/1

\*\*\* Mandatory to be filled up for initial notification

Type of Notification \*\*\*

- Initial  
  Update  
  Nothing To Report(NTR)  
  Stand Down / All Clear  
 Temporary Cease of Operations

**SECTION A: BASIC INFORMATION \*\*\***

Department Responsible:	Drilling	Date Prepared:	23 May 2022
Field/ABV:	Serampang (SEPA)	Time Prepared:	03:23 PM
Location: Rig Gunnlod	<input type="checkbox"/> Onshore	Emergency Date:	22 May 2022
	<input checked="" type="checkbox"/> Offshore	Emergency Time:	09:30 PM

**SECTION B: TYPE \*\*\***

HSE Process Safety Related	<input type="checkbox"/> Fatality/ Injury <input type="checkbox"/> Environment <input type="checkbox"/> Fire/ Explosion <input type="checkbox"/> Asset Damage		
	<input type="checkbox"/> Loss of Containment/ Gas Leak	Spillage/ Release Volume:	
		Recovered Volume:	
Security	<input type="checkbox"/> Arson <input type="checkbox"/> Kidnapping/ Hostage <input type="checkbox"/> Bomb Threat <input type="checkbox"/> Community Disturbance <input type="checkbox"/> Hijack/ Piracy		
	Others, Please specify:		
Transportation	<input type="checkbox"/> Land <input type="checkbox"/> Water <input type="checkbox"/> Air	Others, Please specify:	
Natural Disaster	<input type="checkbox"/> Flood <input type="checkbox"/> Earthquake <input type="checkbox"/> Tsunami	Others, Please specify:	

**SECTION C: IMPACT \*\*\***

<input checked="" type="checkbox"/> People	<input type="checkbox"/> Environment	<input type="checkbox"/> Asset	<input type="checkbox"/> Reputation
--	--------------------------------------	--------------------------------	-------------------------------------

**SECTION D: INJURED/ILL/FATALITY/MISSING \*\*\***

Number of Injured Person	Number of Ill Person	Number of Fatality Person	Number of Missing Person
<input type="checkbox"/> PETRONAS:	<input type="checkbox"/> PETRONAS:	<input type="checkbox"/> PETRONAS:	<input type="checkbox"/> PETRONAS:
<input checked="" type="checkbox"/> Contractor: 1	<input type="checkbox"/> Contractor:	<input type="checkbox"/> Contractor:	<input type="checkbox"/> Contractor:
<input type="checkbox"/> 3rd Party:	<input type="checkbox"/> 3rd Party:	<input type="checkbox"/> 3rd Party:	<input type="checkbox"/> 3rd Party:



**COMCEN:**

Tel: +603 2331 2141/ 42/ 43/ 44OR + 603-2161 1703

Fax: +603 2161 1696 / +603-2051 2101

SMS: +6019-384 4696 / +6012 3168496

Email: comcen@petronas.com.my

**FROM:**

PAC: PTTEP Sarawak Oil Limited

Tel:

Fax:

Sequence No: COMCEN/INC/PTTEP/2022/4/1

**SECTION E: POTENTIAL ESCALATION** Under control with available resources. No potential of escalation May require additional resources (e.g. authorities, contractors, mutual aid) Authorities may take over command and control May trigger significant authorities / public / community / media interest**SECTION F: AUTHORITIES INFORMED**

Authorities/Date Informed

 Police  Fire Dept  Medical  Civil Defence HSE Regulator (Eg. DOSH Department of environment, etc.). Others (e.g. Coast Guard, Marine Dept., Municipality, etc.)

Others, Please specify

Others, Please specify

**SECTION G: BRIEF DESCRIPTION (Who, What, Where, When & Consequence)**

On 22 May 2022 at 2130 hours, IP (the roustabout) was assigned to lay out drill collar from main deck to starboard deck. IP has to pick up the drill collar from a bundle and remove the tag line from the sling (when the Crane Operator landed the bundle on the deck). Upon removing the tag line, the bundle suddenly came loose and the drill collar rolled on IP left foot.

**SECTION H: RESPONSE / ACTION TAKEN**

The Crane Operator stopped the operation. IP was brought to the Medic room for treatment. There was an open wound over left 5th toe with bony deformity. IP was later recommended for emergency disembarkation to treat the open fracture of his left 5th toe. IP arrived safely at shore and was referred to Columbia Asia Hospital in Bintulu for medical treatment.

**SECTION I: ADDITIONAL INFORMATION**

IP admitted under Orthopaedic Surgeon for further management. We will continue to monitor the IP's progress and will keep COMCEN updated.

**SECTION J: STAND DOWN / ALL CLEAR**

Date:

Time:

Prepared/Reported by \*\*\*

Name

Sharifah Rohana

Signature

Contact No:

0172637426

Designation:

PAC Focal

Date Time:

23 May 2022 03:23 PM

Approved and Submitted by \*\*\*

Name

Zarafina Abdul Rahman

Signature

Contact No:

0126149751

Designation:

Head of SSHE Section

Date Time:

23 May 2022 03:23 PM