

Qualifying the Risk

The matrix used for determining the risk rating for this Stage 1 Risk Assessment has come from the Step Change in Safety Task Risk Assessment Guide (2007).

| | | | | Hazard Severity | | |
|------------|---|-------------------------------------|----------------------------------|----------------------------------|----------------------------|------------------------------|
| | | Negligible Negligible injury, no | | M oderate Injury leading to a | High Involving a single | Very High Multiple deaths |
| | | absence from work | requiring first aid treatment | lost time incident | death or serious injury | |
| | Very Unlikely A freak combination of factors would be required for an incident to result | L | L | L | L | L |
| Occurrence | Unlikely A rare combination of factors would be required for an incident to result | L | L | L | М | М |
| ₽ | Possible Could happen when additional factors are present but otherwise unlikely to occur | L | L | М | М | н |
| Likelihood | Likely Not certain to happen but an additional factor may result in an accident | L | М | М | Н | н |
| | Very Likely Almost inevitable that an incident would result | м | м | Н | н | н |

Risk Rating Criteria

To determine the Risk Rating (RR), multiply the Hazard Severity (S) by the Likelihood of Occurrence (L).

Low Risk Identified as L in the matrix. May be acceptable; however, review task to see if risk can be reduced further.

Medium Risk

Task should only proceed with appropriate management authorisation after consultation with specialist personnel and assessment team. Where possible,

the risk should be redefined to take account of the hazards involved or the risk should be reduced further prior to task commencement.

Identified as H in the matrix. Task must not proceed. It should be redefined or further control measures put in place to reduce risk. The controls should be re-

assessed for adequacy prior to task commencement.

High Risk



Probability Guidelines

It is appreciated the likelihood of occurrence is fairly subjective and open to personal interpretation. In an attempt to achieve a level of consistency, the following definitions are applied;

Very Unlikely A freak combination of factors would be required for an incident to result.

Unlikely A rare combination of factors would be required for an incident to result.

Possible Could happen when additional factors are present but otherwise unlikely to occur

Likely Not certain to happen but an additional factor may result in an accident.

Very Likely Almost inevitable that an incident would result

Severity Guidelines

Negligible Negligible injury or health implications, no absence from work. Negligible loss of function/production with no damage to equipment or the environment.

Slight Minor injury requiring first-aid treatment or headache, nausea, dizziness, mild rashes. Damage to equipment requiring minor remedial repair, loss of

production or impact to the environment.

Moderate Event leading to a lost time incident or persistent dermatitis, acne or asthma. Localised damage to equipment requiring extensive repair, significant loss of

function/production or moderate pollution incurring some restitution costs.

High Involving a single death or severe injury, poisoning, sensitisation or dangerous infection. Damage to equipment resulting in production shutdown and

significant production loss. Severe pollution with short-term localised implications incurring significant restitution costs.

Very High Multiple deaths, lung diseases, permanent debility or fatality. Major pollution with long-term implication and very high restitution costs.

Control Measures

Controls should be chosen taking into account the following, which are in order of effectiveness:

- 1 Elimination
- 2 Substitution by something less hazardous and risky
- 3 Enclosure (enclose the hazard in a way that eliminates or controls the risk)
- 4 Guarding/Segregation of people
- 5 Safe system of work that reduces the risk to an acceptable level
- 6 Written procedures that are known and understood by those affected
- 7 Review the blend of technical and procedural control
- 8 Adequate supervision
- 9 Identification of training needs
- 10 Information/Instruction (signs, hand-outs)
- 11 Personal Protective Equipment (last resort) cannot be controlled by any other means



MSF AIDE MEMOIRE TO STAGE ONE RISK ASSESSMENT FOR PLANNING MOU MOVES

The process that is usally followed when planning a MOU relocation is as follows;

- 1 Identify surface location and surrounding infrastructure
- 2 Identify Rig
- 3 Develop basic principles and a step by step method statement of how the MOU relocation will be carried out.
- 4 Hold a high level Risk Assessment and Hazard Identification meeting (Stage 1)
- 6 Publish and close-out actions arising from above
- 7 Develop formal MOU-Relocation procedures based on output of Stage 1 Risk Assessment
- 8 Publish and circulate MOU-Relocation procedures for review to all stake-holders
- 9 Hold pre-MOU-Relocation-meeting as a final Risk Assessment and document check
- 10 Amend and agree final procedures and issue for operations
- 11 Hold Stage 2 Risk Assessment offshore to review the procedures and Stage 1 Risk Assessment and apply local MOU and/or situation specific peculiarities
- 12 Hold documented Job Safe Analyses (JSA) and Toolbox Talks (Stage 3 Risk Assessment) onboard individiual vessels and installations offshore

Each Operator/Duty Holder during the process of planning MOU-Relocations is required to assess key risks associated with the activity and apply appropriate mitigations to reduce risk to "as low as reasonably practicable".

Stage 1 of this document is intended to be a worked example of a risk assessment to act as a prompt for individual Operators/Duty Holders to hold their own internal risk assessments/hazard identification.

It is recommneded that stage 1 of this document is used in the planning stage prior to development of formal procedures for the activity.

Stage 2 of this document is intended to be a prompt list to carrying out risk assessments offshore prior to the MOU move commencing and ideally should involve the operator/duty holder, MOU owner, towmasters and vessel masters as a minimum. The basis of the stage 2 risk assessment is to review the approved MOU move procedures and stage 1 risk assessment and apply local variations where applicable.



Apr-08

Sep-09

Feb-11

Originated:

First Annual Revision

Second Annual Revision:

Example Risk Assessment - Stage 1

Summary of Activities Covered by this Worked Risk Assessment

This example of High Level Risk Assessment applies to the planning and execution of rig move operations.

Existing Control Measures

North West European Area Guidelines - Version 2

Current Common Marine Inspection Document with all actions addressed

MSF Template of Data

MSF Anchor Handling Manual

MSF MOU Move Procedure - Content Guidance

MSF AHTS Checklist

MOU Move Specific Procedures

National Statutory Requirements MOU Owner Safety Management System Marine Operations Manuals - all parties Lessons Learned from previous operations Anchor Manufacturers Handling Instruction International Shipboard Management Code

| | # | Activity | Hazards | Consequences | In | itiai i | RISK | | • | Control | Measures | Actio | n By | Kesi | dual | Risk | Actions | |
|---|------|--------------------|---------------------------|--------------|----|---------|------|---|---|---------|----------|-------|------|------|------|------|---------|--|
| | | | | | S | L | RR | П | | | | | | S | L | RR | | |
| - | Ston | 1 Confirmed Locati | on and Dig Identification | | | | | | | | | | | | | | • | |

Step 1 – Confirmed Location and Rig Identification.



| ŧ | Activity | Hazards | Consequences | In | tial R | isk | Control Measures | Action By | Res | idual | Risk | Actions |
|---|------------------------|----------------------------|-------------------------------|----|--------|-----|---|-----------|-----|-------|------|---------|
| | | | | S | L | RR | | | S | L | RR | |
| | 2 - Planning | | | | | | | | | | | |
| | tifying Specific Requi | rements | | | | | | | | | | |
| Α | Assessing the location | Weather | Inability to achieve location | VH | VL | | Define limits of weather | | VH | U | М | |
| | | Water depth | Inadequate procedures | | | | Site survey | | | | | |
| | | Seabed conditions | | | | | Mooring analysis & deployment / recovery | | | | | |
| | | | | | | | load analysis | | | | | |
| | | Currents | Inadequate vessel and | | | | Traffic Survey | | | | | |
| | | | equipment specification | | | | | | | | | |
| | | Tides | | | | | Field drawings | | | | | |
| | | | | | | | Hind Casting & Weather Forecasting | | | | | |
| | | Subsea infrastructure | Damage to seabed assets | | | | Heights determined for seabed clearances | | | | | |
| | | | and/or towing and mooring | | | | for anchor handling and towing | | | | | |
| | | | assemblies | | | | , , | | | | | |
| | | | | | | | Location approval | | | | | |
| | | Mooring assemblies | | | | | Catenary Calculations | | | | | |
| | | Other assets | | | | | Location historical data (where applicable) | | | | | |
| | | Traffic density | | | | | Previous experience of location | | | | | |
| | | Dynamic loadings | | | | | Tidal & Current Data | | | | | |
| Р | People | | Incorrect data | VH | VL | Н | Approved vendors | | VH | U | М | |
| | | time/ resource constraints | | | | | | | | | | |
| | | Experience e.g. | Inability to achieve required | | | | Contractor audits | | | | | |
| | | Naval Architects | location | | | | | | | | | |
| | | Approval authorities | Inadequate procedures | | | | Industry accreditation | | | | | |
| ı | | Warranty Assurance | Inadequate vessel and | | | | Proven history | | | | | |
| | | Survey | equipment specification | | | | | | | | | |



| # Activity | Hazards | Consequences | lni | tial Ri | isk | Control Measures | Action By | Res | idual | Risk | Actions |
|--------------------------------------|---|---|-----|---------|-----|---|-----------|-----|-------|------|---------|
| | | | S | L | RR | | | S | L | RR | |
| ep 3 - Planning evelop Procedures | | | | | | | | | | | |
| Input data | Lack-of or wrong input data | Schedule delay Inadequate selection of vessels, personnel, equip Incorrect mooring plan Incorrect location | VH | VL | | Site survey data Mooring analysis and recovery / deployment load analysis Location HAZOP / HAZID Accurate field survey data Survey procedures Verification of data Lessons learned including use of previous procedures | | VH | U | M | |
| Competence of auth | hor Lack of knowledge | Schedule delay Inadequate specification / selection of vessels, personnel, equipment Incorrect mooring plan Damage to property and equipment Harm to personnel Unrealistic scheduling | VH | VL | Н | Review and approval process which should define reviewers Approved Vendors Contractor audits Proven history Realistic schedule to be identified | | VH | U | M | |
| | Lack of understanding of required content | Schedule delay Inadequate specification / selection of vessels, personnel, equip Incorrect mooring plan Damage to property and equipment Harm to personnel Critical items / issues not identified | VH | VL | Н | Existing control measures No additional controls identified | | VH | VU | L | |



| # | Activity | Hazards | Consequences | Ini | Initial Risk | | Control Measures | Action By | Res | idual | Risk | Actions |
|---|--|----------------------------|--|-----|--------------|----|---|-----------|-----|-------|------|---------|
| | | | | S | L | RR | | | S | L | RR | |
| | Preparation, Review, Approval and distribution of Procedures and Onshore pre-move meeting | Pressure of time | Inadequate time to prepare, develop and review procedures | VH | L | Н | Sufficient time and resources allowed for preparation and developing procedures Procedures issued in sufficient time to allow adequate review | | VH | U | M | |
| | | Competency of review team. | Inadequate review | VH | L | Н | Procedures to be reviewed by competent personnel and as a minimum to include: (i) Operator (ii) MOU Owner (iii) Survey Reps (iv) Procedure Author (v) Marine competent MOU mover | | VH | U | М | |
| | | Distribution | Correct procedures are not distributed to the relevant parties. Relevant parties not prepared Potential delays | VH | L | Н | Define distribution list Final revision of procedures to be signed off by accountable personnel | | VH | U | М | |



| # | Activity | Hazards | Consequences | In | itial F | lisk | Control Measures | Action By | Res | idual | Risk | Actions |
|----|--------------------------------|---|--|----|---------|------|--|-----------|-----|-------|------|---------|
| | | | | S | L | RR | | | S | L | RR | |
| | 4 - Planning eld Operations | | | | | | | | | | | |
| Ti | eople | Inadequate preparation period SIMOPS | Shortcuts Time pressure Delay in operation Equipment, vessel and personnel lead times / availability Damage to Equipment Harm to personnel | VH | | | Planning Adequate notification period for moves to be defined. Resources Integrated communication between relevant parties Existing control measures | | VH | U | M | |
| | | experienced people Inadequate manning Changes to personnel Poor or lack of meaningful communication Unsafe practices Lack of understanding of equipment, operation and procedures Inexperience of proposed operations Fatigue Loss of focus | Damage to equipment Delay to schedule Lack of continuity Dilution of experience | | | | Approved vendors with competency assurance systems in place Demonstrable work experience available (CV, work history) Shift change not to be undertaken during critical operations Realistic schedule that includes allowance for familiarisation, delays and rest periods Personnel competent for proposed operation Clear roles and responsibilities Adequate shift change handover to take place Staggered shift change where possible New crews to be adequately briefed in the operation Crew changes during MOU move operations to be adequately assessed using Management of Change process | | | | | |



| # | Activity | Hazards | Consequences | lni | tial R | isk | Control Measures | Action By | Res | idual | Risk | Actions |
|---|--|---------|--|-----|--------|-----|---|-----------|-----|-------|------|---------|
| | | | | S | L | RR | | | S | L | RR | |
| | Chartering Vessels | | Damage to, or loss of vessels, property / assets Inadequate selection of vessels and crew Injury to personnel Schedule delay | VH | VL | Н | Existing Control Measures Duty Holders to satisfy themselves that a vessel assurance process is in place and is verified. Person chartering vessel has to be familiar with the operation and the vessels intended activity Vessel requirements clearly defined Vessel meets defined specification in | | I | U | M | |
| | Mobilisation demobilisation of Equipment | | Delay to schedule Damage to equipment / property / assets Harm to people | Н | P | M | Existing control measures Correct Load out plan with defined load list supplied to vessels Approved vendors responsible for supplying equipment as per operators / rig owners standards Confirmation of equipment at mobilisation meets procedural requirements Certified equipment Level 2 Risk Assessment to be undertaken specific to the equipment being mobilised Substitute equipment to be confirmed with operator / MOU owner prior to mob Adequate time given to vessel configuration | | M | U | L | |



| # | Activity | Hazards | Consequences | lni | tial R | isk | Control Measures | Action By | Res | idual | Risk | Actions |
|---|--|--|---|-----|--------|-----|---|-----------|-----|-------|------|---------|
| | | | | S | L | RR | | | S | L | RR | |
| | Vessel Procedural Review and Detailed Operational Briefing | Insufficient time to mobilise personnel, undertake MOU induction and familiarisation | Delay in operation | VH | VL | Н | Existing control measures | | VH | U | М | |
| | and final assurance and mobilisation | Insufficient time to review procedures | Damage to, or loss of vessels, property / assets | | | | Adequate time given to vessel to review and discuss the procedures, understand the operation and the vessels role | | | | | |
| | | Lack of understanding of procedures | Harm to people | | | | Competent and experienced personnel familiar with the operation to conduct the vessel briefings and final assurance | | | | | |
| | | Inadequate briefing Insufficient rest time | Lack of understanding of operation Fatigue | | | | | | | | | |
| | Procedural Review and | Insufficient time to mobilise personnel, undertake MOU induction and familiarisation | Delay in operation | VH | VL | Н | Existing control measures | | VH | U | М | |
| | | Insufficient time to review procedures Lack of understanding of procedures | Damage to, or loss of vessels, property / assets Harm to people | | | | Competent and experienced personnel familiar with the operation Adequate time given to review and discuss the procedures, understand the operation and their role | | | | | |
| | | Inadequate briefing | Lack of uunderstanding of operation | | | | Sufficient time in process to ensure MOU induction and familiarisation is undertaken | | | | | |
| | | Insufficient rest time | Fatigue | | | | Sufficient rest time to be given prior to commencement of operations | | | | | |



| # | Activity | Hazards | Consequences | lni | itial R | isk | Control Measures | Action By | Res | idual | Risk | Actions |
|---|------------------------------|--|--------------------------------|-----|---------|-----|--|-----------|-----|-------|------|---------|
| | | | | S | L | RR | | | S | L | RR | |
| | Pre-Operational Commencement | Vessels do not understand the MOu requirements | Delay in operation | VH | Р | | Existing control measures | | М | U | L | |
| | Meeting (offshore) | MOU does not understand | Damage to, or loss of vessels, | | | | Discussion between the MOU and the | | | | | |
| | | | property / assets | | | | vessels to ensure accurate sharing of | | | | | |
| | | limitations | | | | | information and vessel equipment availability | | | | | |
| | | Failure to manage any | Harm to people | | | | MOU to fully understand the vessels | | | | | |
| | | changes | | | | | capabilities and limitations | | | | | |
| | | MOU and vessel crew are not | | | | | Confirmation and agreement from vessels | | | | | |
| | | familiar with their roles in the | | | | | that they understand their roles in the | | | | | |
| | | operation. | | | | | operation | | | | | |
| | | Clear lines of communication | | | | | Operational status of vessels and MOU to be confirmed | | | | | |
| | | and accountability are not defined. | | | | | be confirmed | | | | | |
| | | Lack of co-ordination of | | | | | Define communication lines and | | | | | |
| | | operation | | | | | accountability | | | | | |
| | | Failure to identify specific | | | | | Continual review of all factors to be | | | | | |
| | | risks associated with the | | | | | undertaken and communicated until such | | | | | |
| | | operation | | | | | times as a start time has been identified and | | | | | |
| | | | | | | | agreed between all parties. Confirmation that Level 2 Risk Assessments | | | | | |
| | | | | | | | have been undertaken and any issues | | | | | |
| | | | | | | | shared with all parties involved in the | | | | | |
| | | | | | | | operation | | | | | |
| | | | | | | | Management of change assessment | | | | | |



| # | Activity | Hazards | Consequences | Ini | Initial Risk | | Control Measures | Action By | Res | idual | Risk | Actions |
|---|---|---|--|-----|--------------|----|--|-----------|-----|-------|------|---------|
| | | | | S | L | RR | | | S | L | RR | |
| | Establishing and assessing environmental Conditions | | Damage to, or loss of vessels, property / assets | VH | VL | | Operational status of vessels and MOU to be confirmed within operating limits and continual reviews to be undertaken | | M | U | L | |
| | | Insufficient environmental working window | Harm to people | | | | Suitable weather window identified and agreed for each phase of the operation to commence or be suspended | | | | | |
| | | Inadequate monitoring and appraisal of environmental conditions | Damage to the environment | | | | Suitable monitoring equipment to be available onsite and utilised | | | | | |
| | | | Operating out with the safe working limits of the vessels and/or and MOU | | | | Accurate and up-to-date Environmental information and forecasting to be provided and verified | | | | | |
| | | | | | | | Open lines of communication between MOU and vessels and vice-versa to advise of any change in status | | | | | |



| ; | Activity | Hazards | Consequences | lni | Initial Risk | | Control Measures | Action By | Resi | dual | Risk | Actions |
|---|-------------------------|------------------------------|---------------------------------|-----|--------------|----|---|-----------|------|------|------|---------|
| | | | | S | L | RR | | | S | L | RR | |
| S | ep 5 - Vessel Demobilis | ation | | | | | | | | | | |
| | Release of vessels | Premature release of vessels | Reduced redundancy and/or | VH | Р | Н | Planning - adequate notification period for | | VH | U | М | |
| | | | capability of remaining vessels | | - | | moves to be defined. | | | | | |
| | | | | | | | Resources | | | | | |
| | | | | | | | S . | | | | | |
| | | | | | | | Integrated communication between relevant parties | | | | | |



| Risk Assessment – Stage | 2 Prompt | | Originated: | | Apr-08 |
|---------------------------------|----------------------------------|----------------------------|---------------------------------------|------------|--------|
| _ | - | | First Annual Revision | | Sep-09 |
| | | | Second Annual Revision: | | Feb-11 |
| Activity | Typical Hazards | Potential | Typical Control Measures | Comment | |
| | | Consequences | | | |
| The following points are includ | ed to act as an 'aide memoir | e' to assist in the Stage | 2 Risk Assessment - To be discussed | l Offshore | |
| Anchor Handling | Dropped Objects | Damage to, or loss of | T T | | |
| | | vessels, property / assets | | | |
| Transfer / Receiving PCP | Failure to follow procedures | Harm to people | Break out limits and strategy to be | | |
| | | | defined | | |
| Chasing Out / Stripping back | | Damage to the | Good communication between rig / | | |
| | to rig / platform and each other | environment | vessels | | |
| J Hooking / Grappling | Collision | Delay to schedule | Extension line to be highlighted | | |
| | | | beyond anchor position | | |
| Crane / lifting operations | Vessel capsize | Man Overboard | Identify vessel excursion limits from | | |
| | | | intended mooring track | | |
| Winch Operation | Other marine traffic | Flooding | Back deck clear policy when wires | | |
| | | | and equipment are under tension | | |
| Breaking Out | Breakdown in | | Planned Maintenance System | | |
| | communications | | | | |
| Recovery / Decking the Anchor | Equipment failure | | Certified and/or inspection and | | |
| | | | testing regime of equipment in place | | |
| Recovery and deployment of | Working on deck and / or | | Mooring analysis calculations | | |
| mooring system | over side | | | | |
| Fitting of specialised moorings | Over stressing equipment | | Decking / Overboarding to be carried | | |
| | | | out in "safe area" (clear of such as | | |
| | | | subsea assets) | | |
| Bolster / Un-bolstering Anchor | High breakout loads | | Awareness of anchor orientation | | |
| | | | when decking / overboarding | | |



| Activity | Typical Hazards | Potential Consequences | Typical Control Measures | Comment |
|----------------|-----------------------------|---------------------------|---------------------------------------|---------|
| Setting Anchor | Vessel(s) unable to hold | | Adequate positive stability to be | |
| | station and/or heading | | maintained in worst case scenario | |
| | Loss of control of anchor | | Minimum separations and distances | |
| | and/or equipment on deck | | to be agreed and adhered to | |
| | | | between all parties involved in the | |
| | | | operation | |
| | Survey equipment not | | Change of rig thruster status to be | |
| | working, ready or set-up | | advised | |
| | properly | | | |
| | Entanglement of wired with | | Operational status of vessels and rig | |
| | vessel(s) | | to be confirmed within operating | |
| | | | limits and continual reviews to be | |
| | | | undertaken | |
| | Excessive movement of | | Suitable crane assembly (pennant | |
| | crane assemblies | | length, hook, headache ball) | |
| | Lack of understanding of | | All Emergency release procedures to | |
| | emergency preparedness | | be defined and clearly understood | |
| | during operation | | | |
| | Operating outwith safe | | Equipment to be operated within | |
| | working limits | | manufacturers specification | |
| | Tandem operations | | Survey Quality Assurance | |
| | | | Procedures | |
| | Unable to maintain required | | Redundancy in survey equipment | |
| | tension | | | |
| | | | Water tight integrity policy strictly | |
| | | | adhered to during the operation | |



| Activity | Typical Hazards | Potential | Typical Control Measures | Comment |
|----------------------------------|---|--|---|---|
| | | Consequences | | |
| Towing | Other marine traffic | Damage to, or loss of vessels, property / assets | Existing control measures | NWEA Guidelines to be reviewed with regard to SWL vs BL |
| Passing / Recovery of Tow Bridle | Proximity of towing vessel to rig | Harm to people | Good communication | ISM reference to be resolved |
| Under Tow | Tow length vs water depth | Damage to the environment | Limitation of equipment known and understood | |
| | Inadequate passage plan | Delay to schedule | Certified and inspected equipment and connections | |
| | Change in environmental conditions | Collision | Planned Maintenance System | |
| | Critical motions exceeded (rig and vessels) | Flooding and/or capsize | Tow Master visual inspection and review of rig towing system | |
| | Towing arrangements and equipment not fit for Purpose | Loss of control of tow | Limiting loads to take into account age and condition of equipment | |
| | Loss of tow | Man Overboard | Emergency Tow arrangements clarified before commencement of tow | |
| | Equipment failure | | Water tight integrity checks to be undertaken | |
| | Equipment failure | | Rig specific passage plan prepared | |
| | Loss of water tight integrity | | Spare tow wire available and accessible on tow vessel | |
| | Inadequate communication | | Navigation warnings | |
| | | | If heli-ops undertaken during tow then speed and heading to be agreed | |



| Activity | Typical Hazards | Potential | Typical Control Measures | Comment |
|---------------------------|--------------------------------------|----------------------------|--|---------|
| - | | Consequences | | |
| Manoeuvring / Positioning | Proximity to other assets | Damage to, or loss of | Existing control measures | |
| | (surface and subsea) | vessels, property / assets | | |
| | Inability to maintain intended track | Harm to people | Good communication | |
| | Equipment Failure | Damage to the | Limitation of equipment known and | |
| | | environment | understood | |
| | Poor communication | Delay to schedule | Certified and inspected equipment | |
| | | | and connections | |
| | Excessive thrust from rig | Collision | Planned Maintenance System | |
| | | Flooding and/or capsize | Limiting loads to take into account | |
| | | | age and condition of equipment | |
| | | Loss of control of tow | Contingency procedures to be | |
| | | | agreed and understood | |
| | | Unable to achieve final | Emergency Procedures clarified | |
| | | position | before commencement of approach | |
| | | | Interfaces with other assets / 3 rd | |
| | | | parties | |



| No | ACTION | WHEN | DV WHOM | ACTION TAVEN | CLOSED |
|-----|--------|------|---------|--------------|--------|
| No. | ACTION | WHEN | BY WHOM | ACTION TAKEN | CLOSED |
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