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| Document | TE-RA-03 |
| Revision | 0 |
| Date | 4 November 2026 |
| Subject | Completed risk assessment: SE14 Offshore work and offshore crew transport |

# Completed risk assessment

## GE Vernova work type SE14, Offshore work and offshore crew transport: instrumentation and controls scope of an 8k inspection on a North Sea platform, UK sector

Completed safety risk assessment (SRA) for a Telic assignment in this GE Vernova work type, prepared with the method of TE-RA-01: hazards identified per task step, risk evaluated as likelihood (L, 1 to 5) x consequence (C, 1 to 5), control measures per task step (engineering, procedural, PPE) and the residual risk with the controls in place. High 12 to 25, Medium 5 to 11, Low 1 to 4.

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| Assignment | Instrumentation and controls scope of an 8k inspection of an LM2500 gas turbine generator package on a manned production platform, UK sector North Sea: safety-critical instrumentation (PS30) inspection and calibration, actuator and fuel valve stroke checks, control system checks and start-up support after the inspection. Helicopter transfer from Aberdeen. |
| Work type | SE14 Offshore work and offshore crew transport (no underwater work, see TE-PRC-04 section 4); SI9 and SE1 elements covered by TE-RA-04 and TE-RA-02. |
| Date and duration | 4 November 2026, 14 days offshore, day shift, 12 h |
| Assessed by | Remco Petersen, Director / field engineer, Telic Engineering B.V., with the installation area authority |
| Reference documents | TE-PRC-04 (offshore), TE-PRC-03 (emergency response), TE-RA-01 section 5, installation induction, permit-to-work and SIMOPS plan of the operator |
| Certificates checked before mobilisation | OPITO FOET with CA-EBS, OGUK offshore medical, MIST, H2S: all valid at mobilisation date; Vantage card and operator induction booked (TE-TRN-01) |

## 1. HAZARDS IDENTIFIED FOR EACH TASK, 2. RISK EVALUATED, 3. CONTROL MEASURES FOR EACH TASK

| # | Task step | Hazard identified | L | C | Risk | Control measures (E = engineering, P = procedural, PPE) | L | C | Res. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Helicopter transfer Aberdeen to platform and return | Ditching, helicopter emergency, rotor and tail rotor strike on helideck | 1 | 5 | M 5 | P: valid FOET with CA-EBS and OGUK medical, heliport check-in and safety briefing and video, baggage within limit and no dangerous goods, HLO instructions, no approach until signalled. PPE: survival suit, lifejacket, CA-EBS, hearing protection as issued. | 1 | 4 | L 4 |
| 2 | Arrival, induction, muster drill | Not knowing alarms, muster point, lifeboat station in an emergency | 2 | 5 | M 10 | P: installation induction before any work, personal location card, drill attended, escape routes from the turbine module walked with the area authority (TE-PRC-04 section 5). | 1 | 4 | L 4 |

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| 3 | Work in the turbine module and on the fuel gas skid (PS30 inspection, calibration, stroke checks) | Hydrocarbon gas release, fire | 2 | 5 | M 10 | E: fixed gas detection, ESD. P: permit with gas test, SIMOPS plan checked daily, H2S training, evacuation route known. PPE: personal gas detector, escape set at hand, FR coverall. | 1 | 4 | L 4 |
| 4 | Safety-critical instrument and actuator work on the package (PS30: speed probes, vibration, fire and gas, overspeed and trip loops) | Stored hydraulic or fuel pressure, electric shock, unexpected start, defeated protection | 3 | 4 | H 12 | P: isolation and LOTO per TE-PRC-10 within the operator's isolation system, personal lock on the lock box, zero energy verified (gauge, meter, try-start), inhibits and overrides on protection loops registered and removed before start-up, work under permit, not alone. E: bleed points, rated meter. PPE: safety glasses, gloves, arc-rated PPE for panel work. | 1 | 4 | L 4 |
| 5 | Work near open deck edges, on gratings and ladders; tools in and out of the module | Dropped objects, falls, slips | 3 | 3 | M 9 | E: tool tethers, closed tool bag, barriers. P: dropped-object register for the module, housekeeping, three points of contact, work at height permit for anything above 2 m. PPE: hard hat with chin strap, safety footwear, gloves. | 1 | 3 | L 3 |
| 6 | Start-up and functional tests after the inspection | Trip, fuel release, noise, people in the module during start | 3 | 4 | H 12 | P: pre-job briefing with control room and area authority, test sequence and abort criteria agreed, module cleared and doors closed before start, radio contact. PPE: hearing protection, FR coverall. | 1 | 4 | L 4 |
| 7 | Platform emergency (fire, gas, abandonment) during the stay | Injury or fatality in an uncontrolled evacuation | 1 | 5 | M 5 | P: stop work, make safe only if immediate, muster by designated route, follow OERT and OIM, drills attended, TE-PRC-03 contact tree, director informed same day. PPE: as issued at muster (lifejacket, escape set). | 1 | 4 | L 4 |
| 8 | 12-hour shifts for 14 days, lone periods in the module | Fatigue, lone working in a remote module | 3 | 3 | M 9 | P: shift pattern per operator, rest periods respected, no lone work in the module without radio and scheduled check every 30 min (TE-PRC-05), buddy for any enclosure work. | 1 | 3 | L 3 |

## PPE REQUIRED FOR THIS ASSIGNMENT

Survival suit, lifejacket and CA-EBS (issued at the Aberdeen heliport); hard hat with chin strap, safety glasses, hearing protection, FR coverall, safety footwear S3, gloves, personal gas detector (issued by the installation); arc-rated PPE for panel work.

## NOTES, BRIEFING AND SIGN-OFF

Reviewed with the area authority at the arrival briefing; aligned with the installation's own risk assessments and the SIMOPS plan. Underwater work: none, Telic does not perform diving (TE-PRC-04 section 4). Toolbox talk every shift; LMRA before each task and at every change of permit or weather. Tools and test equipment inspected and manifested before shipping (TE-PRC-04 section 6).

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| Prepared by | Remco Petersen, Director / field engineer, Telic Engineering B.V. |
| Reviewed with | Site supervisor / area authority at the pre-job briefing; aligned with the site risk assessment and permit for the task |
| Briefed to | All Telic personnel on the assignment before start of work; last-minute risk assessment repeated before each task and at every change of conditions |
| Stop work | Any person stops the work when a hazard is not controlled as described here (TE-PRC-09) |

Signed on behalf of Telic Engineering B.V. (digitally signed)
**Remco Petersen**, Director · 4 November 2026

Digitally signed by Remco Petersen
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Date: 04/November/2026