**30th Offshore Licensing Round - Seaward Marks Scheme Summary**

### Geotechnical database used

<table>
<thead>
<tr>
<th>3D Seismic</th>
<th>2D Seismic</th>
<th>Seismic Reprocessing</th>
<th>Well data</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 (max)</td>
<td>30 (max)</td>
<td>20 (max)</td>
<td>5 (max)</td>
<td>20 (max)</td>
</tr>
</tbody>
</table>

### Geotechnical Evaluation Already Performed (Both Regional & Block-Specific)

#### General

- **Well Interpretation/Ties (e.g. Synthetics)**: 5 (max)
- **Stratigraphic & Sedimentology**: 5 (max)
- **Structural Interpretation**: 5 (max)
- **Depth Interpretation**: 5 (max)
- **Rational, Plans and Schedule**: 5 (max)
- **Other**: 10 (max)

#### Hydrocarbon System Analysis

- **Stratigraphic Interpretation & Reservoir Quality**: 5 (max)
- **Structural Interpretation & Validation (Trap Geometry)**: 5 (max)
- **Charge & Migration History**: 5 (max)
- **Seal & Preservation**: 5 (max)

#### Risk and Resource Evaluation

- **Risk Assessment**: 20 (max)
- **Volumetrics/Resource Assessment**: 20 (max)

### Specific Technical Assessments

- Undeveloped Discoveries and Redevelopments: up to 30 each
- Fully Evaluated Prospects (i.e. Drill Ready): 20-30 each
- Prospects Not Fully Evaluated: 11-20 each
- Leads: up to 10 each
- Original Play and Common Risk Segment Assessments: up to 20 each
- New Play Concepts: 5 (max)

### Geotechnical Work Programme

- **3D Seismic (Purchase)**: 20 (max)
- **3D Seismic (Shoot)**: 60 (max) Includes Broadband, OBC/OBN, Dual/Multi/Wide/Full-Azimuth, etc.
- **2D Seismic (Purchase)**: 15 (max)
- **2D Seismic (Shoot)**: 40 (max) Includes Broadband, OBC/OBN, Dual/Multi/Wide/Full-Azimuth, etc.
- **Seismic Reprocessing**: 10 (max) Includes Novel Processing, e.g. Bi-Azimuth, etc.
- **Geotechnical Studies**: 25 (max) Includes Grav/Mag, EM, etc.

### Technology

- **Technology Plan**: 10 (max)

### Above-Ground Evaluation

- **Economics & Cost**: 10 (max)
- **Commercial**: 10 (max)
- **Infrastructure**: 10 (max)

### Phase Timing Mark (Rewards Faster Work Programmes)

#### Phase A is Start Phase (i.e. Seismic/Drop or Drill/Drop)

<table>
<thead>
<tr>
<th>Firm Fields, Seismic Purchase &amp; Reprocessing</th>
<th>10 (max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long 0</td>
<td>5</td>
</tr>
<tr>
<td>Mid 0</td>
<td>5</td>
</tr>
<tr>
<td>Short 10</td>
<td></td>
</tr>
</tbody>
</table>

#### Phase B is Start Phase (Firm New-Show Seismic & Contingent Well)

<table>
<thead>
<tr>
<th>Firm New-Show Seismic</th>
<th>30 (max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long 20</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Contingent Seismic</th>
<th>5 (max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short 40</td>
<td></td>
</tr>
</tbody>
</table>

#### Phase C is Start Phase (Firm Well)

<table>
<thead>
<tr>
<th>Firm Well</th>
<th>10 (max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long 60</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Include consideration of: technical difficulty and number of wells to be drilled</th>
<th>Mid 80</th>
</tr>
</thead>
<tbody>
<tr>
<td>Include consideration of: technical difficulty and number of wells to be drilled</td>
<td>Short 100</td>
</tr>
</tbody>
</table>

### Second Term is Start Term

- **Time to PDP submission and first production, demonstration of secure allocated funding**
- **(Duration/Dependent)**
- **100 (max)**

### Notes

† Use of the best available/most-modern/optimised seismic datasets will attract more marks. (This will take into account both processing and acquisition parameters; e.g. an Ocean Bottom Node survey will be clearly better at discerning subsalt prospectivity compared to a conventional towed streamer survey.) For further information, refer to Asset Stewardship Expectation SE03 on the OGA website. Applicants should demonstrate that they have made an assessment of all publicly and commercially available seismic datasets, and justify their choice/the value of this information in relation to how this data addresses the critical risks and reduces subsurface uncertainty. More advanced seismic technologies committed in the Phase B programme will also attract more marks.

‡ The OGA will take into account the methods and processes used by applicants to make Risk and Resource evaluations. It is expected that applicants can demonstrate use of a documented methodology (it is expected that this is broadly compliant with the methods outlined by Rose, 2001†) and an appropriate assurance process. Applicants should be able to clearly articulate what is being risked, the component risks that make up the overall prospect risk, dependencies at play and prospect level, how uncertainties and ranges have been quantified and reality checks, including play statistics and use of appropriate analogues. Prospects and discoveries that rely upon amplitudes/AVO for risking or definition should also demonstrate how risk modifiers have been applied and associated rock physics workflows.


Σ It would be expected that if a Licence were to be offered, Licensees would undertake and support Higher Education Institution Research (e.g. PhDs / Postdocs) and Collaborative Regional Studies as part of the Geotechnical Studies programme in accordance with the principles of MER UK. Where Research and Studies are relevant to licence activities or furthering the understanding of petroleum plays relating to the licence area marks may be awarded for these.

- HEI Research may be via one of the NERC Centres for Doctoral Training, such as the CDT in Oil and Gas (http://www.nerc-cdt-oil-and-gas.ac.uk) or other individual, recognised, higher education institutions or bodies.
- Collaborative Regional Studies may include participation in and contribution to projects proposed and governed by the MERUK Exploration Task Force and the “21st Century Roadmap” Technical Steering Committee.
- Applicants can also propose other appropriate study mechanisms.
  - Please indicate the type of Research and/or Project(s) you would expect to support, with appropriate funding and timing, in a separate paragraph within the Appendix B and briefly in the Comments section of the Work Programme Summary Sheet.
  - Equivalent Marks for Studies may also be available where the start Phase is Phase C, provided it is clear these studies will not be associated with the Firm well.

§ Applicants should make clear how all activities, studies and research it proposes Including Technology Plans) are relevant to:

- i. the way in which the licence activities will be carried out, and/or
- ii. to the applicant’s technical capability.

If the OGA feels that such proposals are not relevant to the above, then they will not be awarded marks.

The requirements for a Technology Plan are outlined in Asset Stewardship Expectation SE-08, which is available on the OGA website.

β An ‘Above-Ground Evaluation’ should be provided for all applications where the Initial Term start phase is Phase C, or the Licence start term is the Second Term. Applicants should demonstrate that they have carried out an appropriate and proportionate economic, commercial and infrastructure assessment, and that they have considered the most viable work programme, phasing and plans, compliant with the objectives of the MER UK Strategy. If not provided within the licence application, the OGA may subsequently request a full model input assumptions (associated production profiles and cost schedules, to include all necessary inputs required for cashflow analysis [note: economic assumptions such as discount rate and product price are not required], and in all cases applicants should provide the full costs associated with their committed work programme. The applicant should not assume that the OGA has fully verified, or in any way approved of, their economic/commercial models.