Development of Maximum Capability Documents for Over-the-side Handling Equipment per UNOLS Research Vessel Safety Standard Appendix B
Project Management

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Goals

1. MCDs for selected winches and frames on some UNOLS vessels.

2. A format for MCDs that can be used for future MCDs.

3. Analysis methods that can be used for future MCDs.

4. Economies of scale in developing MCDs.
   - Encourage operators to review and comment ASAP
   - Current RFP in draft and confidential format
   - Anticipate release of RFP ~ 13 February 2012

2. Examples of SIKULIAQ MCDs (under development) can be found at [http://www.unols.org/meetings/2012/Appendix_B/details.html](http://www.unols.org/meetings/2012/Appendix_B/details.html)
   - Provided to vendors only as an example
   - Current funding does not allow for a full package as shown, rather single components as identified in RFP
## Order of Attack - First Priority

<table>
<thead>
<tr>
<th>Vessel</th>
<th>Operating Institution</th>
<th>Frame</th>
<th>Winch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atlantic Explorer</td>
<td>Bermuda Institute for Ocean Science</td>
<td>Side</td>
<td>CTD (Markey DUSH 5)</td>
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<tr>
<td>Hugh R. Sharp</td>
<td>University of Delaware</td>
<td>Stern</td>
<td>Trawl (Dynacon)</td>
</tr>
<tr>
<td>Point Sur</td>
<td>Moss Landing Marine Laboratories</td>
<td>Stern</td>
<td>None</td>
</tr>
<tr>
<td>Cape Hatteras</td>
<td>Duke University</td>
<td>Stern</td>
<td>Trawl (Markey DUSH 8)</td>
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<tr>
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<td>Duke University</td>
<td>None</td>
<td>CTD (Markey DUSH 5)</td>
</tr>
<tr>
<td>Pelican</td>
<td>Louisiana Universities Marine Consort.</td>
<td>Stern</td>
<td>Trawl (Dynacon JOB 805)</td>
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<tr>
<td>Robert Gordon Sproul</td>
<td>Scripps Institute of Oceanography</td>
<td>Stern</td>
<td>None</td>
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<tr>
<td>New Horizon</td>
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<td>CTD (Markey DUSH 6)</td>
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<tr>
<td>New Horizon</td>
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<td>Hydro (Markey DUSH 5)</td>
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## Order of Attack - Second Priority

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<th>Second Priority</th>
<th>Operating Institution</th>
<th>Frame</th>
<th>Winch</th>
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<td><strong>Point Sur</strong></td>
<td>Moss Landing Marine Laboratories</td>
<td>Side</td>
<td>CTD (Markey Cube 6)</td>
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<tr>
<td><strong>Cape Hatteras</strong></td>
<td>Duke University</td>
<td>Side</td>
<td>None</td>
</tr>
<tr>
<td><strong>Robert Gordon Sproul</strong></td>
<td>Scripps Institute of Oceanography</td>
<td>None</td>
<td>Trawl (Markey DUTW 9-11)</td>
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<tr>
<td><strong>Robert Gordon Sproul</strong></td>
<td>Scripps Institute of Oceanography</td>
<td>None</td>
<td>CTD (Markey DUSH 5)</td>
</tr>
<tr>
<td><strong>New Horizon</strong></td>
<td>Scripps Institute of Oceanography</td>
<td>Side Frame 1</td>
<td>Trawl (Dynacon Traction)</td>
</tr>
<tr>
<td><strong>New Horizon</strong></td>
<td>Scripps Institute of Oceanography</td>
<td>Side Frame 2</td>
<td>None</td>
</tr>
<tr>
<td><strong>Point Sur</strong></td>
<td>Moss Landing Marine Laboratories</td>
<td>Side</td>
<td>CTD (Markey Cube 6)</td>
</tr>
</tbody>
</table>
Request for Proposal Timeline

1. RFP to be issued: 29 February 2012
2. RFP Questions Due: 14 March 2012
3. Response to questions issued: 11 April 2012
4. RFP Proposal Due: 02 May 2012
5. Vendor Presentations: None
6. Selection Made: 30 May 2012
7. Contract Award: 06 June 2012
8. Initial meeting between Contractor and Duke’s technical representatives: 11 July 2012.
1. In Section 1.3 Scope of Work, description of the what the RFP response shall include, item 1.g:
“Respond to the use of developed documents (methods, programs, document formats, or similar deliverables) for future use (i.e. revisiting a MCD due to modifications and the creation of a MCD on a new component).”

It is our intent that anything produced under this contract becomes the property of Duke and the NSF and may be used by others. After this initial effort subsequent MCDs will likely be produced by some combination of a follow-on contract with a Naval Arch firm which could be the same or a different one and by individual institutions using their own Naval Arch firms. The extent to which the results are “portable” should be addressed and will be considered as part of the evaluation.
2. Section 15: Insurance & Liability

$5 million of professional liability is a very large sum for a naval architecture firm, will $2 million be acceptable?

The nature of the work associated with this project has substantial risks. Therefore, liability coverage must remain at $5 million.
Proposal Evaluation

- Rebecca Stephens Smith (or Dick Ogus) – Duke University
- Fred Jones – Oregon State University
- Al Suchy or Dutch Wegmen from Woods Hole
- Dan Oliver – University of Alaska – Fairbanks

- Charlene L. Canteen – Sourcing Manager, Duke Procurement & Supply Chain Management
Questions?