

**Canarie IIP-03 “Undersea Window” Project Milestone 2 Report**  
**Appendix 2**  
**Report on Web Services Software Development**  
**Jeremy Cooperstock and Ilia Soukhodolski**

The web services request processing software currently provides the core functionality of the Undersea Window is complete and has been tested with a simulated setup involving a motor-controlled Sony analog camera while we await delivery of the final Pan-Tilt Unit. We are currently adding more complex (aggregate) functionality such as control over user presets, survey sweeps, and various administrative functions.

The device manager described in previous reports has been developed and tested with the Sony camera and the control codes have also been integrated for control over the final Pan-Tilt Unit, for which we are awaiting delivery. Once the unit arrives, further testing can be conducted. Similarly, the low-level control codes for the camera control will be modified for the actual Panasonic hardware once the necessary documentation is received.

Following testing on the individual components, the next stage in this process is to link the functionality with our evolving user interface prototype.

A high-level overview of the current WSDL functions can be obtained from our experimental server (which should thus not be considered stable, constantly available, or indicative of the final hardware performance expectations) at <http://www.underseawindow.com/uwcserver.php>

Developers who require the actual WSDL/SOAP definitions along with the function documentation, may access this via <http://www.underseawindow.com/uwcserver.php?wsdl>