XPRIZE Technical Outline

Introduction

* Prize Description
* Team Overview
* Basic Approach

Solution

* Baseline AUV
  + Design
  + Power
    - Saltwater Battery
      * Design
      * Chemistry
  + Electronics
  + Navigation
    - Command and Control
  + Communication
    - Acoustic Modem
  + Sensing
    - Sonar
      * Depth
      * Obstacle Avoidance
      * Imaging
  + Data Collection
  + Data Processing
    - Depth
    - Video
    - Sonar
    - Navigation
* Master AUV
  + Design
  + Electronics
  + Navigation
  + Communication
* Swarms
  + The Swarm
  + Deployment
    - Surface Vessels
    - Deployment Mechanism
    - Data Collection
  + Recovery
  + Abort
    - Abort Triggers
    - Recovering from an Abort
  + Shore Operations
  + Data Processing
* Timeline
* Budget
* Summary

Appendix