RSARSim and MSRDS How to Guide

## Software

* Microsoft Visual C# Express Edition
* Microsoft Visual Studio Standard, Professional, or Team Edition.

**Configuring the Package**

Unzip the RSARSim Project.

1. Place the Victims Folder in the “Microsoft Robotics Dev Studio 2008\store\media” directory
2. Place all bitmap and .DDS files in the “Microsoft Robotics Dev Studio 2008\store\media” directory
3. Run **DssProjectMigration** on the RSARSim project to update the file paths. To do this, open a Microsoft DSS Command Prompt and run the following command: DssProjectMigration /b- (*file path to RSARSim*)
4. The Pioneer 3DX Model comes standard with MSRDS, but is also included in the package.

**How to Create a Service**

Open the **Start** menu and choose the **DSS Command Prompt** command. If the command does not appear in the **Start** menu, choose **All Programs**, **Microsoft Robotics Developer Studio**, and then **DSS Command Prompt**. This opens a special Command Prompt window in the root directory of the installation path.

1. Type ‘md My’ to create a new directory for your projects
2. Type ‘cd My’ to move into that directory
3. Type ‘dssnewservice /service:<ServiceName>’

At this time, a Microsoft Visual Studio solution named <**ServiceName>.sln** is created in your directory. Load this solution using your C# editor

**Adding Custom Entities**

**Obj-to-Bos File Converter Tool (Obj2Bos.exe)**

All Custom models must be and .Obj file and are then converted to .bos using the obj-to-bos converter tool.

The ".obj" to ".bos" File Converter tool converts an Object simulation mesh file into an optimized binary file.

All 3d model and bitmap files are stored in the (Microsoft Robotics Dev Studio 2008/store/media) directory.