

91.550, Human-Robot Interaction
Fall 2007, Prof. Yanco

Assignment 2: Interface Design

Out: Thursday, 4 October 2007

Due: Thursday, 18 October 2007

Attached are two documents:

1. The iRobot reference guide for the PackBot EOD.
2. A Washington Post article, referenced in Endsley, Chapter 10, discussing the findings of an investigation into a friendly fire incident.

Using these two source documents, write up a short discussion of the interface design for each system, including how situation awareness is provided through the interface. In particular, you should note any problems in the designs that could cause confusion or operator errors. (While the Washington Post article is brief, it does present problems with the interface design.) For any problems that you've noted, discuss ways that the problems could be remedied in the interface design.

Your write up should be 2-3 pages long.