

<b>Project Title:</b>	<b>Coagulation Plasma Pooling Process Upgrade</b>
<b>Client:</b>	Aventis Behring
<b>School Year:</b>	2002-2003
<b>Students:</b>	Jon Czernik
<b>Summary:</b>	For this particular project, I was to do an upgrade on the Operator Interface Terminal (OIT) for the Plasma Pooling Process at Aventis Behring. The OIT that is currently used is a Modicon PanelMate, and the updated OIT to be used is an Allen-Bradley Panel View 900. The OIT has displays that contain readouts of different values for the initial section of the Plasma Pooling Process. These readouts include temperatures, pressures, valves open/closed, agitator speeds, etc. There are two tanks to be monitored and each tank has its own screen on the OIT. These two screens were redesigned and implemented for the new OIT. Also, a new screen that contains the temperatures of both tanks at once was added for the operator's convenience. An alarm page was also implemented for the new OIT, and navigation was set up to get back and forth between screens. Lastly, a tag database was set up, converting registers from the PLC to tag names that the OIT can recognize so that the new OIT and OIT program could be tested for functionality.

**Figure 13 – Communication Protocol**

