

Team HPT	<p style="text-align: center;">Requirement Form for Game-Ball Tracker</p>		5 th Version: 11/19/2007
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Date Update	Requirements	Sources	
	<p><i>Overall Function: Allows cameras to follow the hockey puck during a broadcasted game.</i></p>		
11/14/2007	<p>RF Tag</p> <ul style="list-style-type: none"> • Installed in middle of puck during manufacturing period (one-time installation) • As thin as a sheet of paper 	<p>Internet Dr. Zeng Dr. Kim</p>	
11/14/2007	<p>RF Antenna/Reader</p> <ul style="list-style-type: none"> • Reader contains RFID receiver • Antenna locates RFID tag in puck 	<p>Internet Team HPT</p>	
11/05/2007	<p>Camera Motor Base Operation</p> <ul style="list-style-type: none"> • Built in computer to calculate position of ball • Manual user override • Custom fittings for various cameras • Smooth rotational motion 	<p>Team HPT</p>	
11/19/2007	<p>Cost and Schedule</p> <ul style="list-style-type: none"> • All equipment will cost as much as \$1,000 per unit (camera motor base, RFID tag, base unit) • Limited 5 year transferable warranty • Design must be built and ready for testing by March of 2008 	<p>Internet Team HPT</p>	
11/05/2007	<p>Regulations</p> <ul style="list-style-type: none"> • Complies with part 15 of the FCC rules. Operation is subject to the following two conditions: <ul style="list-style-type: none"> ○ (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation 	<p>Internet</p>	
11/19/2007	<p>Alternative Approaches Considered</p> <ul style="list-style-type: none"> • Integrated Camera Circuit • 6-Camera Grid System 	<p>Team HPT</p>	