

# ESD.290 Special Topics in Supply Chain Management

## Business Impact of Auto-ID and RFID

Valuation of RFID Investments  
March 3, 2005

*(Note: This is an individual assignment)*

Assignment: Next time you go to a supermarket (or a store) to buy something, think what would be the steps required to do an analysis of the process and costs of your purchasing experience. Create also an RFID scenario of your choice that improves the purchasing experience you measured. Finally, do a write-up explaining your scenario and how you would create a model with the financial improvements that such scenario would mean for you. You don't have to actually do the calculations.

Please read [http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=478582](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=478582), the EPC Global White Paper and review the associated Value Calculator before doing this assignment for a possible methodology to be used but do innovate and invent your own methodology.

If you do not do the bonus question (which is optional), we expect less than two pages as a response to part 2 of this assignment.

*Note: Part 1 of Assignment 5 is worth 10 points, making the total points for this assignment 20 points.*

Bonus questions:

- 1 Implement your methodology and create a spreadsheet. Input test data when you visit the store.
- 2 Create a cost model for the store in terms of implementing the scenario you used.
- 3 At what tag price point does it make sense to tag a chewing gum package?