

EPC/RFID Implementation Guidelines

	Purpose	Knowledge Actions	Business Actions	Analysis Actions	Partners Actions
Investigate	Develop RFID/EPC knowledge	<ul style="list-style-type: none"> •Learn about EPC/RFID technology. 	<ul style="list-style-type: none"> •Understand business drivers. (compliance vs. transformation) •Secure Executive sponsorship & funding. 	<ul style="list-style-type: none"> •Identify use cases. 	<ul style="list-style-type: none"> •Learn about available resources in the EPC/RFID community. •Form a research based RFID project team.
Experiment	Gain hands-on experience in the lab	<ul style="list-style-type: none"> •Understand the technology and information flow. 	<ul style="list-style-type: none"> •Identify baseline work process and key measurements/ KPI (time, frequency, cost, benefit, etc.) 	<ul style="list-style-type: none"> •Conduct tag placement analysis. •Categorize product/package characteristics 	<ul style="list-style-type: none"> •Identify technology partners. •Test various RFID products. (hardware, tags, software)
Trial	Test targeted applications in the field (1 - 3 locations)	<ul style="list-style-type: none"> •Define and map the current Supply Chain processes. •Examine process and environmental related issues in the field. 	<ul style="list-style-type: none"> •Document EPC/RFID impacts to business processes. •Define testing success criteria before going into the pilot. 	<ul style="list-style-type: none"> •Define EPC system/ data architecture, and the EPC numbering scheme. •Obtain EPC Manager numbers. 	<ul style="list-style-type: none"> •Identify cost drivers. •Form a cross-functional RFID team. •Develop communication plan. (at least for internal purposes)
Pilot	Develop a scalable rollout solution	<ul style="list-style-type: none"> •Verify adoption strategy and cost items. (products, quantity, how and where to tag) 	<ul style="list-style-type: none"> •Decide which EPC reading to be added to the baseline. •Develop a long term plan based on pilot result. 	<ul style="list-style-type: none"> •Analyze the in-process data. (e.g. read rates & locations) •Validate performance in end-to-end systematic testing. 	<ul style="list-style-type: none"> •Coordinate testing w/ trading partners. •Select technology partners for pilot and rollout.
Deploy	Engage in phased rollout	<ul style="list-style-type: none"> •Develop a scoreboard of metrics to adjust implementation parameters. 	<ul style="list-style-type: none"> •Measure and track improvement of key measurements / KPI (key performance indicators). 	<ul style="list-style-type: none"> •Refine business cases for targeted RFID initiatives. 	<ul style="list-style-type: none"> •Ongoing collaboration with trading and technology partners on process/data flow improvement.