

Failure Mode and Effects Analysis (FMEA) Workshop*

Delta Winnipeg
350 St. Mary Avenue, Winnipeg MB, R3C 3J2
Phone: 204-944-7243
Kildonan Room
Monday, March 29, 2010

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| 8:00 a.m. | Registration & Continental Breakfast |
| 8:30 – 8:45 | Welcome |
| 8:45 – 9:15 | Overview of Systems Approach |
| 9:15 – 9:30 | Video Presentation |
| 9:30 – 9:45 | Break |
| 9:45 – 10:00 | Overview of Human Factors Engineering (HFE) |
| 10:00 – 10:30 | Introduction to FMEA Step 1 and Step 2 |
| 10:15 – 10:45 | Small Group Exercise – Everyday FMEA |
| 10:45 – 11:00 | Break |
| 11:00 – 12:00 p.m. | <u>Group Work</u> Step 1: Selection of a High Risk Process and Team Step 2: Diagram the Process and the Sub-Processes |
| 12:00 – 12:45 | Lunch (provided) |
| 12:45 – 1:15 | Introduction to FMEA Step 3, Step 4, and Step 5 |
| 1:15 – 2:30 | <u>Group Work</u> Step 3: Brainstorm Potential Failure Modes and their Effects Step 4: Brainstorm Potential Causes Step 5: Prioritize Failure Modes |
| 2:30 – 2:45 | Introduction to FMEA Step 6 and Step 7 |
| 2:45 – 3:00 | Break |
| 3:00 – 3:30 | <u>Group Work</u> Step 6: Redesign Process Step 7: Analyze and Test the New Process |
| 3:30 – 3:45 | Introduction to FMEA Step 8 |
| 3:45 – 4:00 p.m. | Closing Remarks /Feedback |

*Workshop curriculum derived from the Canadian Failure Mode and Effects Analysis Framework[®] developed by ISMP Canada.