Use Case, Goal, and Scenario Analysis of the Euronet System:
Comparing Methods and Results

Thomas A. Alspaugh
Institute for Software Research
University of California, Irvine
Irvine, CA 92697-3425 U.S.A.
alspaugh@ics.uci.edu

Annie I. Antón
College of Engineering
North Carolina State University
Raleigh, NC 27695-8207 U.S.A.
aianton@eos.ncsu.edu

ISR Technical Report #UCI-ISR-03-12
November 2003

Abstract: In this paper, we compare the results of three related requirements engineering efforts: an industrial requirements specification produced with a use case based process, a case study analyzing those use cases by means of goal analysis; and a second case study analyzing the original use cases with an integrated scenario analysis and management approach and software tool support. The scenario-based analysis proved more effective than either of the other two approaches. The results provide validation for both the integrated scenario analysis and the software tool.