ISO/IEC TR 14143-4:2002-08 (E)

Information technology - Software measurement - Functional size measurement; Part 4: Reference model

Contents

Page

1. SCOPE 1

2. NORMATIVE REFERENCES 1

3. TERMS AND DEFINITIONS 2

4. ABBREVIATED TERMS 3

5. REFERENCE USER REQUIREMENTS 3
5.1. General requirements 3
5.2. Examples 5

6. REFERENCE FSM METHOD 6
6.1. General requirements 6
6.2. Example Use of Reference FSM Methods 6

ANNEX A: BUSINESS APPLICATION RUR (NORMATIVE) 7

A.1 RUR A1: Hotel Accommodation System (Reservation) 7
A.2 RUR A2: Hotel Accommodation System (Reservations) - Initial Requirement 17
A.3 RUR A3: Hotel Accommodation System (Reservations) - Mock-up 19
A.4 RUR A4: Adding automatic name look-up to Hotel Reservation System 19
A.5 RUR A5: Adding automatic name look-up to Hotel Reservation System 19
A.6 RUR A6: Adding automatic name look-up to Hotel Reservation System 20
A.7 RUR A7: TRAX Transaction Reporting 20
A.8 RUR A8: Requirements Paris Bourse Netting 38

ANNEX B: REAL TIME / CONTROL RUR (NORMATIVE) 46

B.1 RUR B1 : Basic Subtraction 46
B.2 RUR B2: Significantly larger function 46
B.3 RUR B3: Slightly larger function 46
B.4 RUR B4: User requirement of a single display field 47
B.5 RUR B5: User requirement for error messages 47
B.6 RUR B6: User requirement of user maintained error messages 47
B.7 RUR B7: User requirement of an internal function 47
B.8 RUR B8: Automatic line switching 48
B.9 RUR B9: Valve Control System 50
B.10 RUR B10: Gateway System 52
B.11 RUR B11: L-Euchre card game (minimal implementation) 78
B.12 RUR B12: L-Euchre system (Usable system implementation) 90
B.13 RUR B13: Standard Euchre system 90
B.14 RUR B14: Super Euchre system 90

ANNEX C: RUR REFERENCE LIST (INFORMATIVE) 91

C.1 RUR name: Sales/order system 91
C.2 RUR name: Travel arrangements 91
C.3 RUR name: Standing orders support 91
C.4 RUR name: Production Planning and control 91
C.5 RUR name: Marketing Information System 92

C.6 RUR name: Business Analysis 92
C.7 RUR name: Accounting System 92
C.8 RUR name: Payroll 92
C.9 RUR name: Purchasing 92
C.10 RUR name: Accounts Payable 93
C.11 RUR name: Human Resources System 93
C.12 RUR name: Revised Human Resources System 93
C.13 RUR name: Traffic Control System 93
C.14 RUR name: Student Selection System 93
C.15 RUR name: Stock Taking System 94
C.16 RUR name: Accounts Payable System 94
C.17 RUR name: Enhanced Accounts Payable System 94
C.18 RUR name: Package Routing 94
C.19 RUR name: Simple Library System 94
C.20 RUR name: Library System II 95