VEKE Simulation Results

March 8, 2013

Phase 2
Unbounded Children, Two-Stage Interleaving

Key Distribution Time for 2 Children with Key Probability = 5.000000e-01

Key Distribution Time for 2 Children with Key Probability = 6.000000e-01

Key Distribution Time for 2 Children with Key Probability = 7.000000e-01

Key Distribution Time for 2 Children with Key Probability = 8.000000e-01

Key Distribution Time for 2 Children with Key Probability = 9.000000e-01

Key Distribution Time for 2 Children with Key Probability = 1

Key Distribution Time for 3 Children with Key Probability = 1.000000e−01

Key Distribution Time for 3 Children with Key Probability = 2.000000e−01

Key Distribution Time for 3 Children with Key Probability = 3.000000e−01

Key Distribution Time for 3 Children with Key Probability = 4.000000e−01

Key Distribution Time for 3 Children with Key Probability = 5.000000e−01

Key Distribution Time for 3 Children with Key Probability = 6.000000e−01

3

Key Distribution Time for 3 Children with Key Probability = 7.000000e−01

Key Distribution Time for 3 Children with Key Probability = 8.000000e−01

Key Distribution Time for 3 Children with Key Probability = 9.000000e−01

Key Distribution Time for 3 Children with Key Probability = 1

Key Distribution Time for 4 Children with Key Probability = 1.000000e−01

Key Distribution Time for 4 Children with Key Probability = 2.000000e−01

Key Distribution Time for 4 Children with Key Probability = 3.000000e−01

Average Re-Key Time (epochs)

Authentication Probability

Key Distribution Time for 4 Children with Key Probability = 4.000000e−01

Average Re-Key Time (epochs)

Authentication Probability

Key Distribution Time for 4 Children with Key Probability = 5.000000e−01

Average Re-Key Time (epochs)

Authentication Probability

Key Distribution Time for 4 Children with Key Probability = 6.000000e−01

Average Re-Key Time (epochs)

Authentication Probability

Key Distribution Time for 4 Children with Key Probability = 7.000000e−01

Average Re-Key Time (epochs)

Authentication Probability

Key Distribution Time for 4 Children with Key Probability = 8.000000e−01

Average Re-Key Time (epochs)

Authentication Probability

5

Key Distribution Time for 4 Children with Key Probability = 9.000000e−01

Key Distribution Time for 4 Children with Key Probability = 1

Key Distribution Time for 5 Children with Key Probability = 1.000000e−01

Key Distribution Time for 5 Children with Key Probability = 2.000000e−01

Key Distribution Time for 5 Children with Key Probability = 3.000000e−01

Key Distribution Time for 5 Children with Key Probability = 4.000000e−01

6

Key Distribution Time for 5 Children with Key Probability = 5.000000e-01

Average Re-Key Time (epochs)

Authentication Probability

Key Distribution Time for 5 Children with Key Probability = 6.000000e-01

Average Re-Key Time (epochs)

Authentication Probability

Key Distribution Time for 5 Children with Key Probability = 7.000000e-01

Average Re-Key Time (epochs)

Authentication Probability

Key Distribution Time for 5 Children with Key Probability = 8.000000e-01

Average Re-Key Time (epochs)

Authentication Probability

Key Distribution Time for 5 Children with Key Probability = 9.000000e-01

Average Re-Key Time (epochs)

Authentication Probability

Key Distribution Time for 5 Children with Key Probability = 1

Average Re-Key Time (epochs)

Authentication Probability

7

Key Distribution Time for 6 Children with Key Probability = 1.000000e−01

Key Distribution Time for 6 Children with Key Probability = 2.000000e−01

Key Distribution Time for 6 Children with Key Probability = 3.000000e−01

Key Distribution Time for 6 Children with Key Probability = 4.000000e−01

Key Distribution Time for 6 Children with Key Probability = 5.000000e−01

Key Distribution Time for 6 Children with Key Probability = 6.000000e−01

Key Distribution Time for 6 Children with Key Probability = 7.000000e−01

Key Distribution Time for 6 Children with Key Probability = 8.000000e−01

Key Distribution Time for 6 Children with Key Probability = 9.000000e−01

Key Distribution Time for 6 Children with Key Probability = 1