Contents

1 simpleConopsExample Theory

Built: 05 March 2017
Parent Theories: aclDrules

1.1 Datatypes

commands = go | launch | activate

people = Alice | Bob

principals = Staff people | Role roles | Ap num

roles = Commander | Operator

1.2 Theorems

[ApRule1_thm]

⊢ (M, Oi, Os) sat Name (Role Operator) controls prop launch ⇒
  (M, Oi, Os) sat
  reps (Name (Staff Bob)) (Name (Role Operator))
    (prop launch) ⇒
  (M, Oi, Os) sat
  Name (Staff Bob) quoting Name (Role Operator) says
  prop launch ⇒
  (M, Oi, Os) sat prop launch impf prop activate ⇒
  (M, Oi, Os) sat prop activate

[OpRule1_thm]

⊢ (M, Oi, Os) sat Name (Role Commander) controls prop go ⇒
  (M, Oi, Os) sat
  reps (Name (Staff Alice)) (Name (Role Commander)) (prop go) ⇒
  (M, Oi, Os) sat
  Name (Staff Alice) quoting Name (Role Commander) says
  prop go ⇒
  (M, Oi, Os) sat prop go impf prop launch ⇒
  (M, Oi, Os) sat
  Name (Staff Bob) quoting Name (Role Operator) says
  prop launch

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