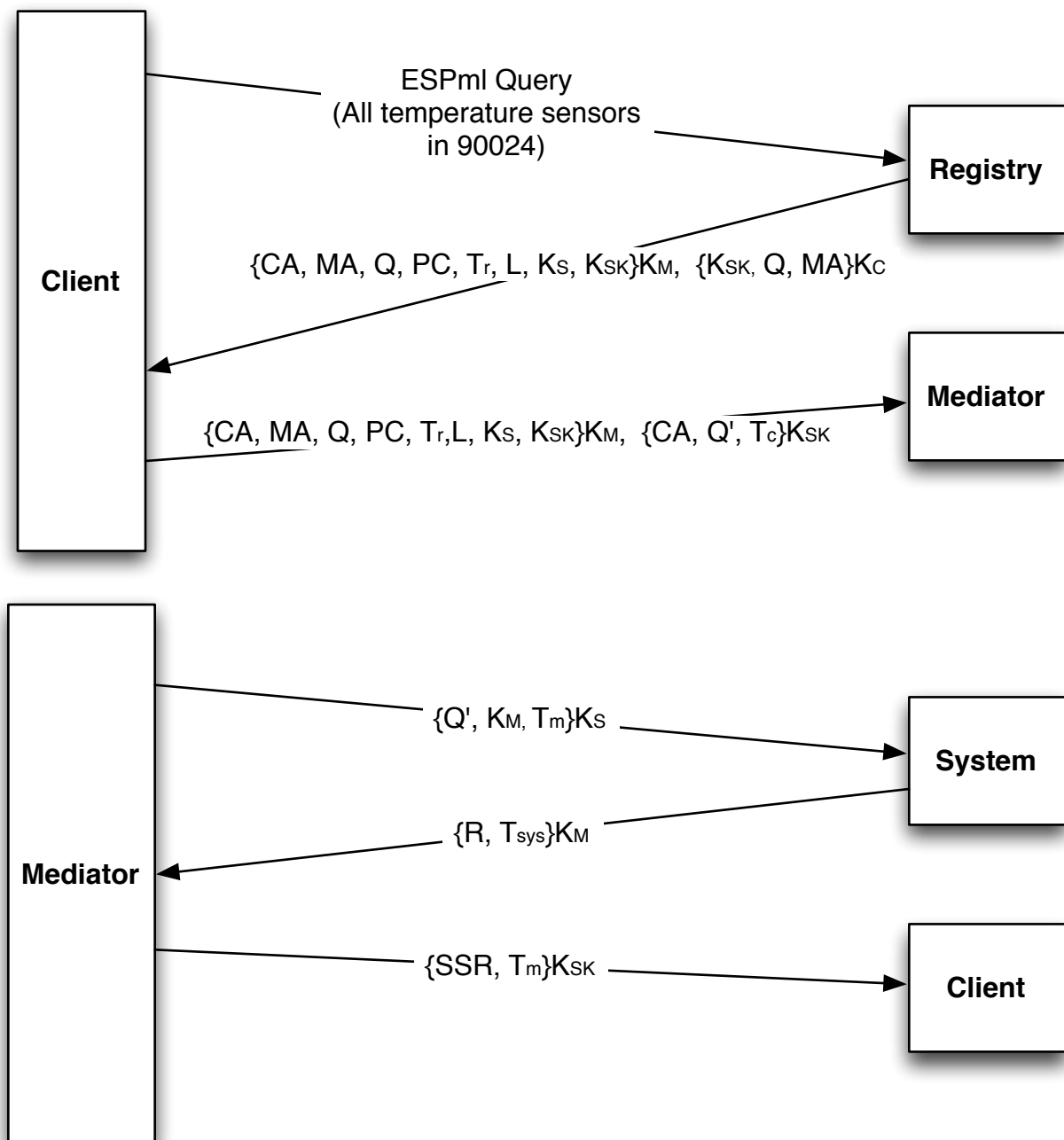


## Authentication and Privacy Control



Clients, Mediators, and Systems would register and send their key to the registry. Symmetric key encryption for communication. The Registry would be a large certificate client that has a public key available for all users.

Furthermore, sensors have registered privacy control rules in the registry.

CA = Client Address, MA = Mediator Address, Q = Query, Q' = Subset of Q, PC = Privacy Control, Tr/c/m/sys = Time stamps, L = Lifetime,  $K_{M/C/S/SK}$  = Keys for Mediator, Client, System, Session, SSR = Filtered or Selective Shared Response, R = Response