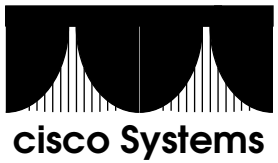
# PPP Authentication

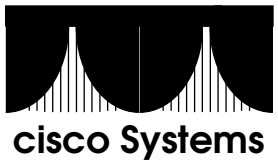
## 28 July 1994



# Definitions

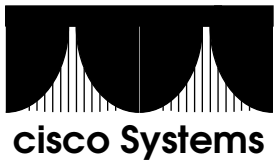
Authenticator - The peer that is requiring authentication credentials from the other peer.

Authenticatee - The peer that is providing authentication credentials to the other peer.



# Requirements

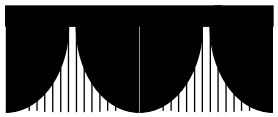
- Authenticator initiated
- Authenticator controls negotiation limits
- ...



# New Authentication Protocols

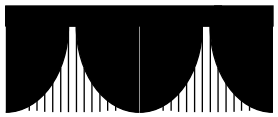
- Kerberos 4 & 5 (KAP)
- Token card and other challenge-response

  User interaction
  Machine to machine
  One or many (eg. how to indicate S/Key)
- Public Key (PEM or X.509)
- Peername first (a meta protocol)



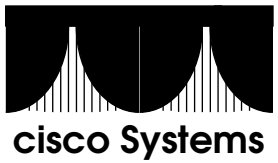
# Peername First

- Authenticatee declares a name
- Authenticator determines valid auth protocols
- Authenticatee chooses one
- Authenticate ...



# Peername First
# (obvious stuff)

- NAS's implement security policy
- Policies are associated with users.
- Policies are associated w/ auth mechanisms
- Auth mechanisms should be associated with users



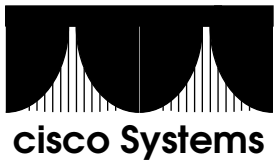
# Peername First (why?)

- Needed for multi-point access

  Different policies at different points

- One auth mech per user is overly restrictive

  Conflict with 1334 security language.
  Not an IETF thing.



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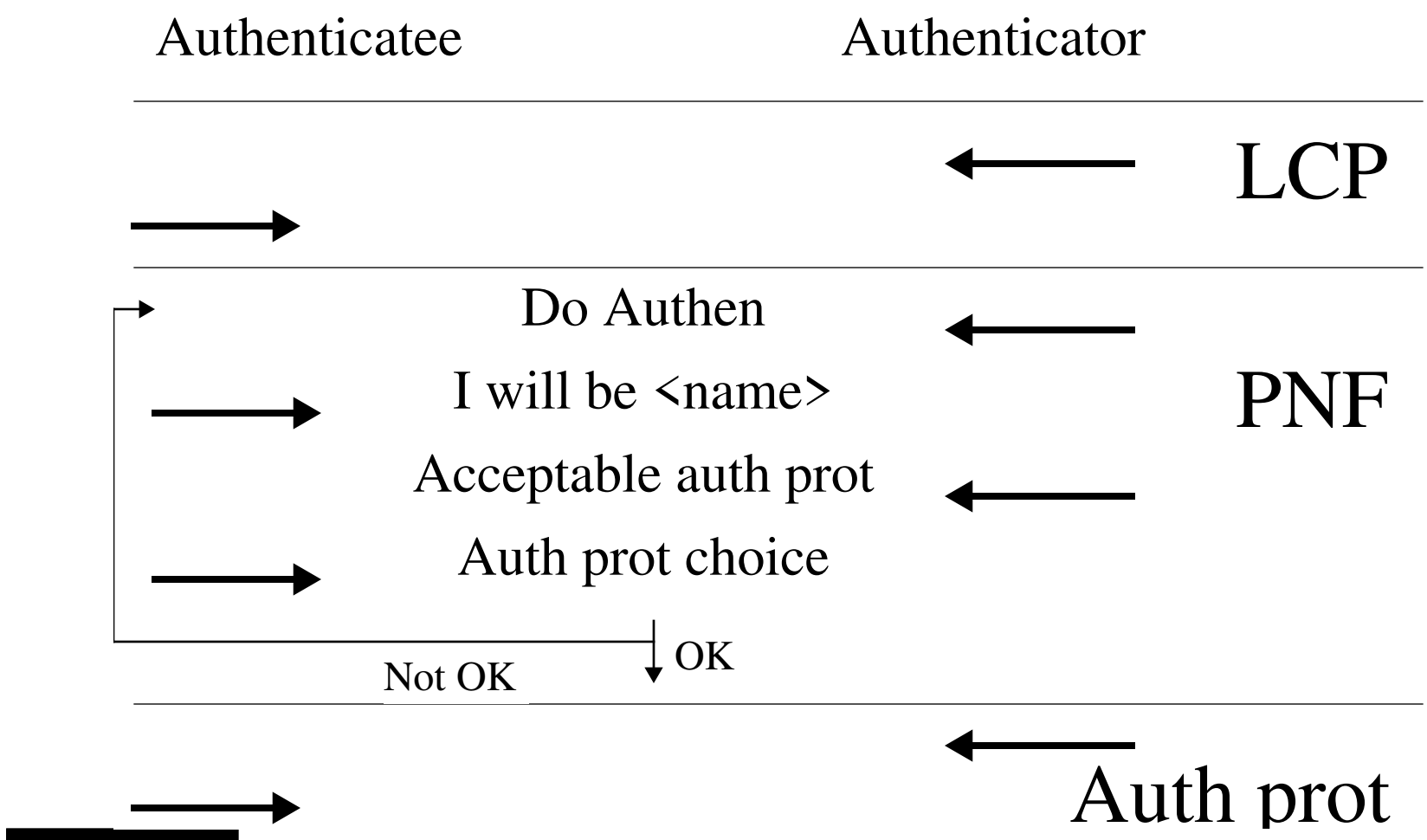


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