EAP Client-side Transport
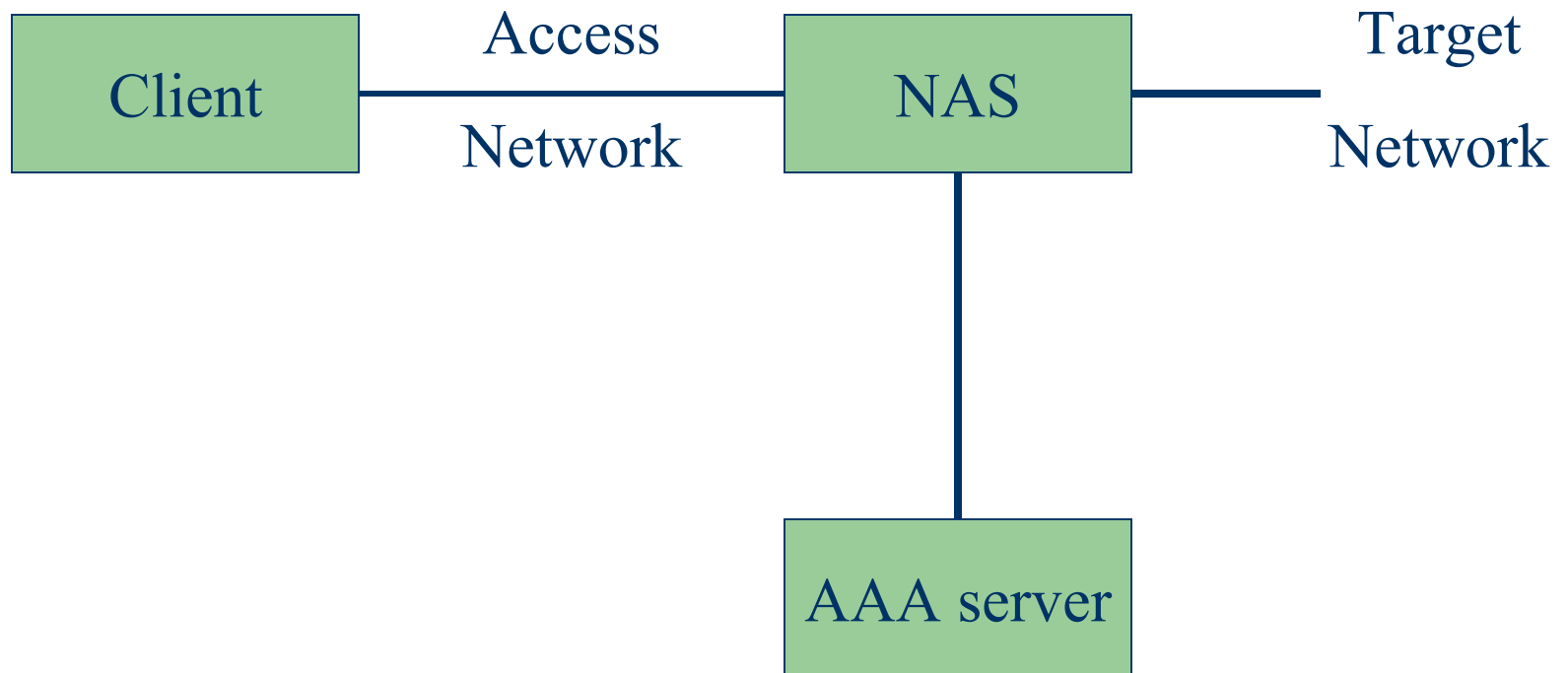
draft-boursetty-eap-cst-00.txt

IETF 57 EAP WG
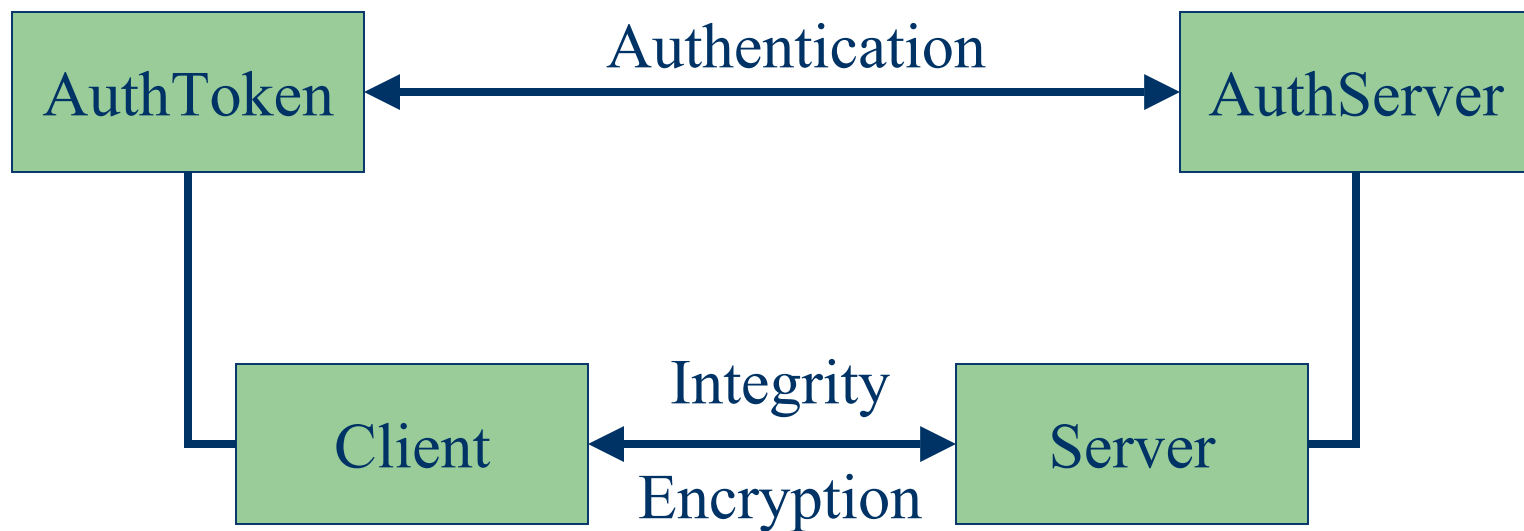
July 2003

A typical EAP setup

```
┌─────────┐       Access      ┌─────────┐      Target
│ Client  │──────────────────│   NAS   │─────────────
└─────────┘      Network      └─────────┘      Network
                                    │
                                    │
                              ┌──────────────┐
                              │  AAA server  │
                              └──────────────┘
```

A new EAP setup

AuthToken ←—— Authentication ——→ AuthServer

Client ←—— Integrity / Encryption ——→ Server
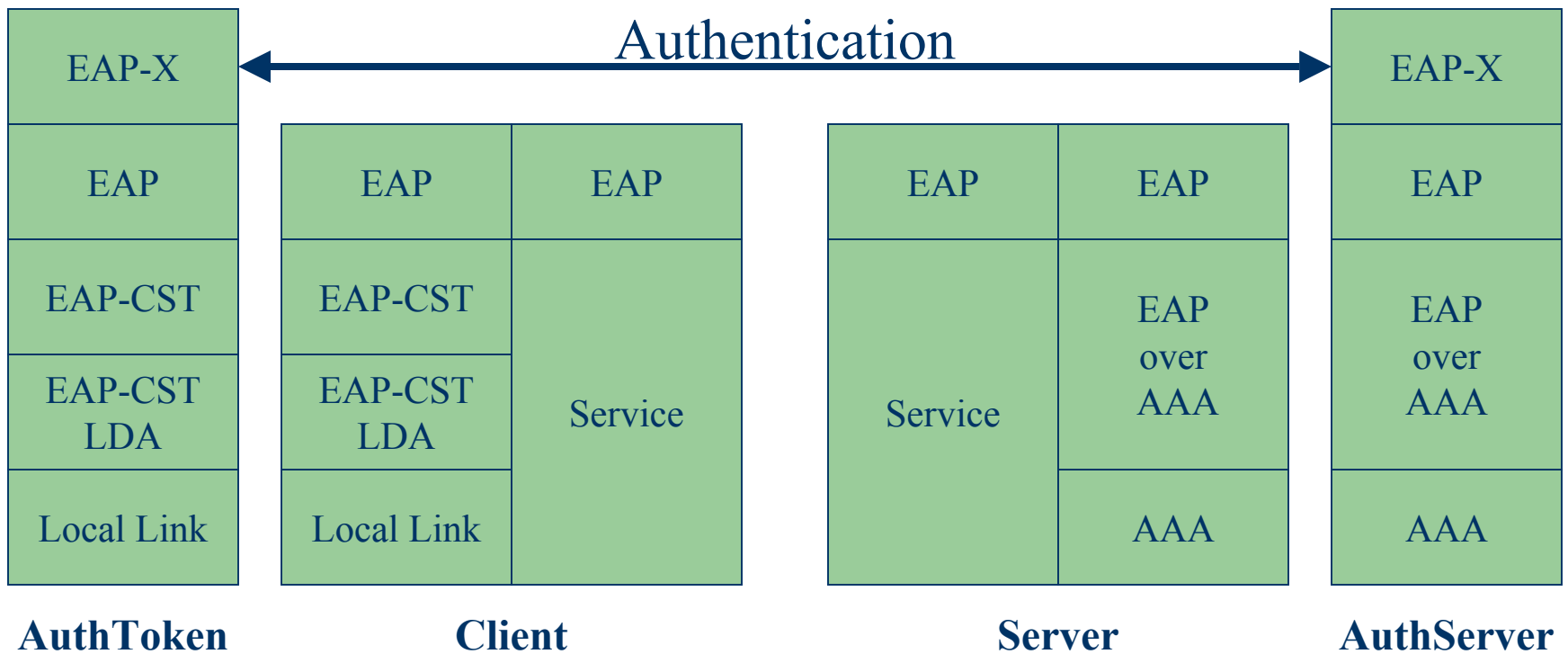
Why this new setup?

- Purpose of this setup:
  - Service separation
  - Interoperability
- Advantages of this setup:
  - Security on the client side
  - Flexibility on the Client side
  - Ease of deployment of the authentication method

The protocol stack

AuthToken	Client		Server		AuthServer
EAP-X					EAP-X
EAP	EAP	EAP	EAP	EAP	EAP
EAP-CST	EAP-CST			EAP over AAA	EAP over AAA
EAP-CST LDA	EAP-CST LDA	Service	Service		
Local Link	Local Link			AAA	AAA

Authentication

S 5

Why this new protocol stack?

- Broaden the scope encompassed by Authentication Tokens
- Distinguish the Authentication Token from the Local link

Thank you for your attention!

Any feedback welcome!

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FT R&D