Choices in Secure Transmission

Basic technology based on encryption [DES, RSA]

For transmission, augmented with public keys that avoid risks due to key transmission and provide for authentication of senders.

Competing implementations:

- SST [Visa&microsoft], intended for commerce
- SEPP [Mastercard&Cybercash], also for cash Txs
- S-HTTP [EIT], used by NIIIP now for STEP data
- SSL [Netscape], used for multi-media data

Effort to bring protocols together [IETF, ARPA]:

---> SETP (secure electronic transfer protocol)