Certified e-Mail Protocol Implementation

What is it about?
Internet e-Mail has no non-repudiation service features, i.e. senders do not know whether a recipient has received an e-mail or not. Sending an e-Mail is just like sending a postcard. Certified electronic mail (ce-mail) addresses this gap with protocols providing non-repudiation security services like evidence of origin, submission, delivery and receipt. Recently, a ce-mail protocol for the current Internet e-Mail infrastructure has been proposed by researchers.

Goals?
» Extent SMTP and IMAP/POP3 specs with ce-mail protocol
» Prototypical implementation

Skills?
» Interest in e-Mail security features
» Know-how on e-Mail protocol suite

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