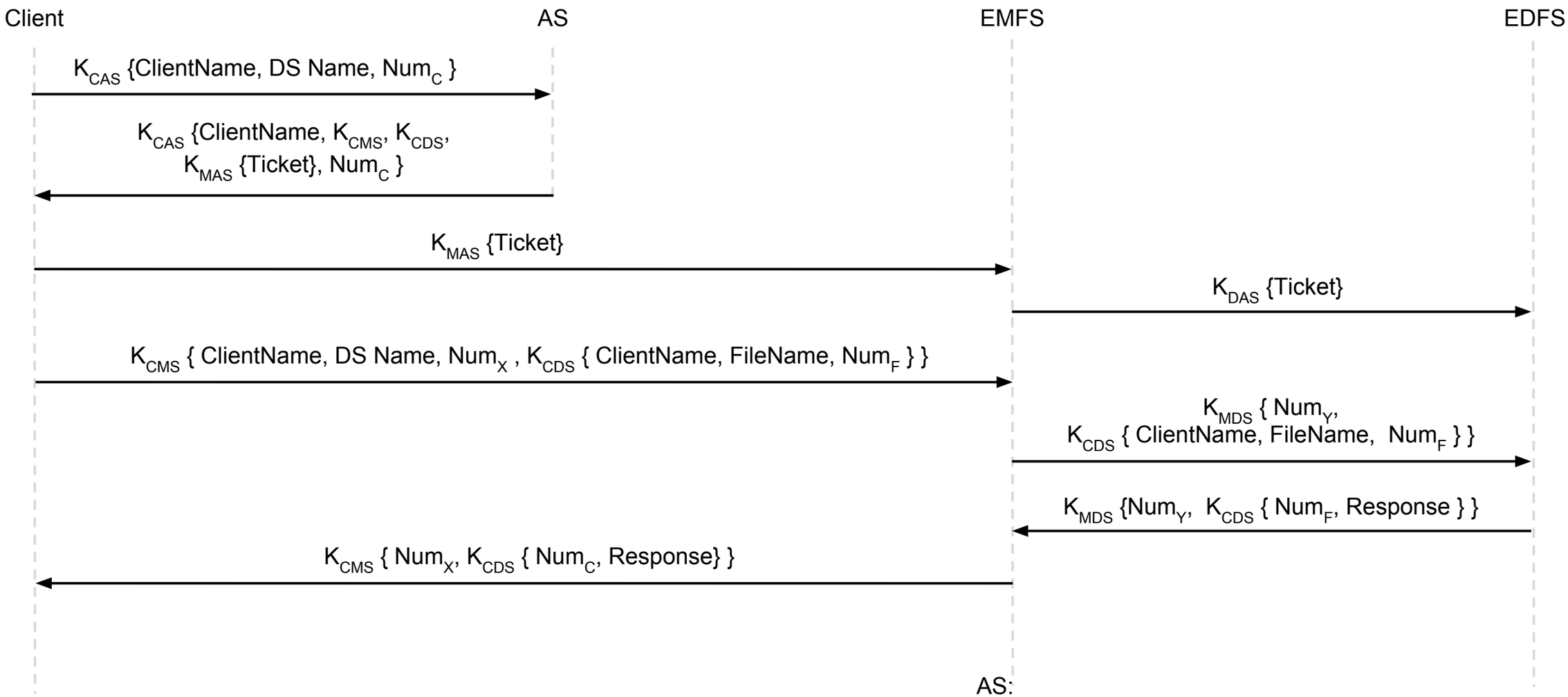
K_{MAS} {Ticket} = K_{MAS} { ClientName, DSName, K_{CMS}, K_{MDS}, K_{DAS} {Ticket}, Num_M }

K_{DAS} {Ticket} = K_{DAS} { ClientName, K_{MDS}, K_{CDS}, Num_D }



- K_{CAS} – Shared key between Client and AS // PREDEFINED
- K_{MAS} – Shared key between EMFS and AS // PREDEFINED
- K_{DAS} – Shared key between EDFS and AS // PREDEFINED
- K_{CMS} – Shared session key between Client and EMFS
- K_{CDS} – Shared session key between Client and EDFS
- K_{MDS} – Shared session key between EMFS and EDFS

AS:
Authentication Server

EDFS:
Department File Server

EMFS:
Master File Server (gateway between EDFS and Client)