[CLAIMS]

[Claim 1]

A method for creating/issuing a distribution certificate including a reception certificate, a transmission certificate and a reading certificate in a system for distributing an electronic document including transmitting and receiving entities (101)/(102) and a distribution hub (103), the method comprising:

(a) transmitting, by a transmitting entity (101), a distribution message including a transmitter's electronic document to a receiving entity (102);

(b) creating, by a receiving entity (102), the reception certificate by acquiring essential information after receiving the distribution message;

(c) transmitting, by the receiving entity (102), the created reception certificate to the transmitting entity (101);

(d) completing, by the transmitting entity (101), verification for the received reception certificate and then, attaching verification information on an electronic signature certificate of the reception certificate to the received reception certificate; and

(e) transmitting, by the transmitting entity (101), the reception certificate attached to the verification information to a third party storage authority (104) and requesting the storage thereto,

wherein the verification information includes information related to the validity verification of the distribution certificate and information related to the

content verification of the distribution certificate.

[Claim 2]

The method of claim 1, wherein in the step (b), when the receiving entity (102) creates the reception certificate, the essential information includes electronic document information, a transmitter, a receiptor, a transmitter transmitting time, and a receiptor receiving time.

[Claim 3]

The method of claim 1, further comprising:

in the step (a), when the transmitting entity (101) tries the transmission of the distribution message to the receiving entity (102) but fails in the transmission of the distribution message,

(a1) requesting, by the transmitting entity (101), the transmission of the distribution message to a distribution relay server of the distribution hub (103);

(a2) creating, by the distribution relay server, the transmission certificate for the requested transmission;

(a3) transmitting, by the distribution relay server, the transmission certificate to the transmitting entity (101);

(a4) completing, by the transmitting entity (101), the verification for the received transmission certificate and then, attaching the verification information on the electronic signature certificate of

the transmission certificate to the received transmission certificate; and

(a5) transmitting, by the transmitting entity (101), the transmission certificate attached to the verification information to the third party storage authority (104) and requesting the storage thereto;

(a6) transmitting, by the distribution relay server, the distribution message to the receiving entity (102);

(a7) creating, by the receiving entity (102), the reception certificate immediately after receiving the electronic document;

(a8) transmitting, by the receiving entity (102), the reception certificate to the distribution relay server;

(a9) transmitting, by the distribution relay server, the reception certificate to the transmitting entity (101); and

(a10) performing, by the transmitting entity (101), steps (d) and (e) in order.

[Claim 4]

The method of claim 3, wherein in the step (a2), when the distribution relay server creates the transmission certificate, the essential information includes electronic document information, a transmitter, a receiptor, and a transmitter transmitting request time.

[Claim 5]

The method of claim 1, further comprising:

the system for distributing the electronic component further including a receiptor receives the electronic document from the receiving entity (102),

after the step (e),

(f1) reading, by the receiptor, the distribution message received by requesting the reading of the distribution message to the receiving entity (102);

(f2) creating, by the receiving entity (102), the reading certificate;

(f3) completing the verification for the received reading certificate and then, attaching the verification information on the electronic signature certificate of the reading certificate to the received reading certificate; and

(f4) transmitting, by the transmitting entity (101), the reading certificate attached to the verification information to the third party storage authority (104) and requesting the storage thereto.

[Claim 6]

The method of claim 3, further comprising:

after the step (a10),

(a11) reading, by the receiptor, the distribution message received by requesting the reading of the distribution message to the receiving entity (102);

(a12) creating, by the receiving entity (102), the reading certificate;

(a13) completing the verification for the received reading certificate and then, attaching the verification information on the electronic signature

certificate of the reading certificate to the received reading certificate; and

(a14) transmitting, by the transmitting entity (101), the reading certificate attached to the verification information to the third party storage authority (104) and requesting the storage thereto.

[Claim 7]

The method of claim 5 or 6, wherein when the receiving entity (102) creates the reading certificate, the necessary information includes electronic document information, a transmitter, a receiptor, a transmitter transmitting time, a receiptor receiving time, and a receiptor reading time.

[Claim 8]

A system for distributing an electronic document, comprising:

transmitting and receiving entities (101)/(102) that distribute an electronic document through a distribution messaging server transmitting and receiving a message based on an electronic document and issuing and managing a distribution certificate for message transmission and reception;

a distribution hub (103) that registers/manages the electronic addresses of the transmitting and receiving entities (101)/(102), sets an electronic document distribution path between the transmitting and receiving entities (101)/(102), performs message transmission when errors are created during an electronic document distribution process between the transmitting and receiving

entities (101)/(102), and issues the distribution certificate; and

a trusted third party storage authority (104) that receives and stores the distribution certificate;

wherein the distribution certificate includes a reception certificate for non-repudiation for the fact that a receiving entity (102) receives a message, a transmission certificate for verifying a transmission try of the transmit entity (101), and a reading certificate for non-repudiation for the fact that a receiptor reads the received message,

wherein the receiving entity (102) creating a reception certificate included the distribution certificate by acquiring essential information after receiving a distribution message from the transmitting entity (101), and transmitting the created reception certificate to the transmitting entity (101),

and the transmitting entity (101) completing verification for the received reception certificate and then, attaching verification information on an electronic signature certificate of the reception certificate to the received reception certificate, and transmitting the reception certificate to the third party storage authority (104) and requesting the storage thereto,

wherein the verification information includes information related to the validity verification of the distribution certificate and information related to the content verification of the distribution certificate.