Product Description

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T-MEC, Travsys-Message Exchange Centre

Product Identity
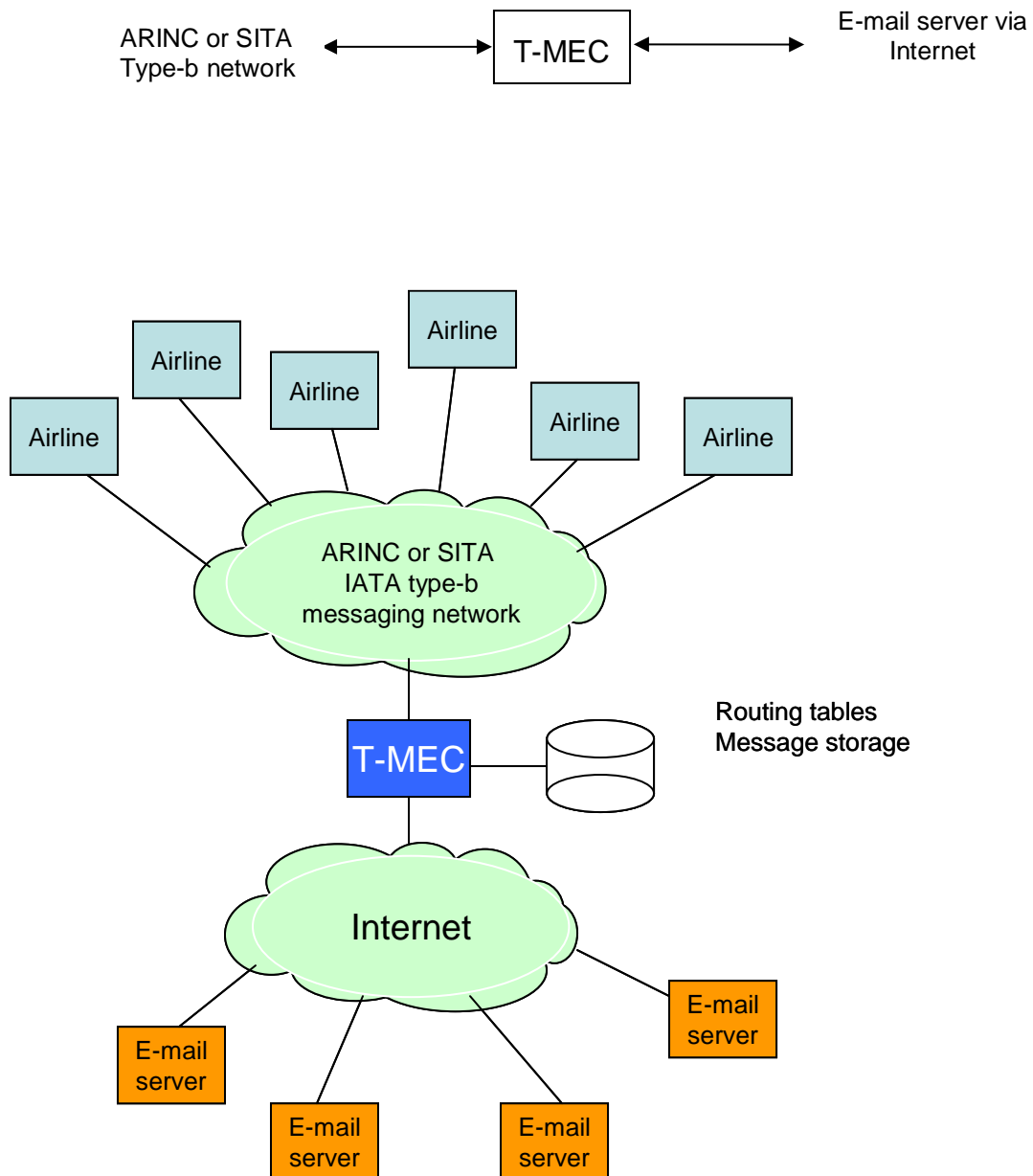
Order code: 010039

T-MEC

Outline Description

The earliest possibility of airlines to communicate with and between each other is by means of messages. The airlines created a message exchange network and the operators used teletype machines. Later on the teletype machines changed into computers and automatic message switching equipment. The airline community is calling these message IATA messages or type-b messages.

Nowadays, airlines are still exchanging many messages between computers as well as between individuals or departments.

Network providers have also developed special software to received and send these messages

on a computer workstation.

The Travsys T-MEC solution is creating the bridge between the traditional airline messaging and the modern e-mail systems using the Internet and standard mail clients.

ARINC or SITA Type-b network ←——————→ T-MEC ←——————→ E-mail server via Internet

Airline

Airline

Airline

Airline

Airline

Airline

Airline

ARINC or SITA
IATA type-b
messaging network

T-MEC

Routing tables
Message storage

Internet

E-mail server

E-mail server

E-mail server

E-mail server

Principle features

The airline type-b messages are routed based on the 7 character IATA type-b address. The Travsys T-MEC system converts these addresses to an email format. Also the message is converted from the text based format to rfc822 email format or vice versa.

- Messages can be retrieved by IMAP, HTML, and other specific delivery methods, and send by SMTP.

- Messages can be send to ARINC subscribers as well as SITA subscribers

- Messages can be saved on the local computer by moving messages from the 'inbox' to a dedicated folder when an IMAP/SMPT mail client is used

- Messages can be send to multiple addresses. A maximum of 49 addresses per message can be used

- All messages addresses to XXXyyzz@tmec.travsys.net will be send to the ARINC/SITA type-b address as indicated in the address.

- If a message is send to a nonexistent address an error response will be received with error code NAA (not available address)

- T-MEC messaging can be accessed by HTML browser directly at the mail server, or by IMAP/SMTP mail client capable of using SSL or STARTTLS protocol

- The T-MEC servers are running in a full redundant environment with hot standby server and storage replication

- T-MEC messages can use the double signature feature, where messages are charged to the airline directly using the airline designator.

- Multiple users can access the same mailbox either by HTML browser or IMAP/SMTP client

- T-MEC access can be created from any PC with an internet connection.

- The PC can be any standard PC with an HTML browser or IMAP/SMTP client like Outlook

- A T-MEC type-b mail account can be setup in a short period of time. The address needs to be registered with IATA and the account to be configured. The maximum period is expected to be 10 days)

- A T-MEC mail account has default 1GB of message storage. The user has to clean up its mailbox from time to time to prevent overflow

- Messages are charged based on characters send with the exception of some messages received from government agencies

- New addresses have to be requested via Travsys. Existing addresses can be moved to the T-MEC system on request of the address owner. Travsys has to manage this

transition.

Hardware and Software Prerequisites

Any standard PC capable of using an HTML browser or IMAP/SMTP mail client with SSL or STARTTLS protocol support like Outlook

Prerequisite

T-MEC agreement with Travsys

Standard Deliverables

No deliverables. T-MEC is provided as a service

Trademarks

- T-MEC is a trademark of Travsys BV

- **Windows** is a registered trademark of Microsoft Corporation.

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Travsys BV
Industrieweg 22
3738 JX Maartensdijk
The Netherlands