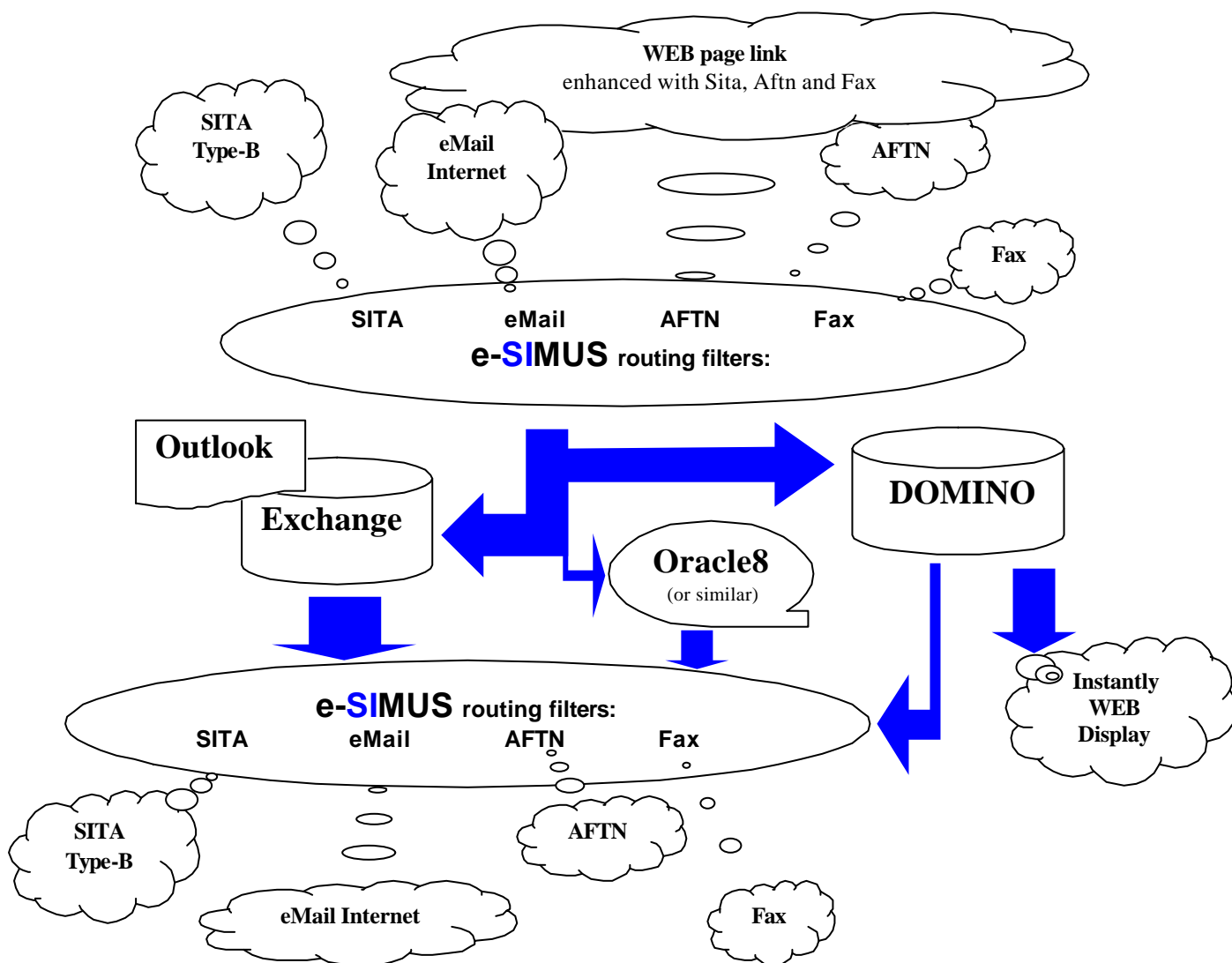


eSIMUS

DESCRIPTIONS

Extracted from the eSIMUS USER GUIDE
Covering only selected sections and chapters.



**eSIMUS the integration into one single product:
Exchange/Outlook or similar
with many additional features and services.**

1.2 - 1.9 OPTIONAL MODULES

The modules below are all optional. The modules topology is described below.

- **eSISITA - SITA/ARINC interface module.**
The module connects eSIMUS to the SITA/ARINC network. It includes SITA/ARINC message handling, message daemon, send & receive, message cleaning, and other control functions needed.
- **exSIMUS - eMail/Internet/MS Outlook/MS Exchange module.**
connects, converts and makes a bridge between SITA messages and the email composer MS Outlook/MS Exchange, so thus SITA messages are made available and composed on the email composer - it means only one message/email browser/composer is necessary.
Compose, send and receive IATA (SITA/ARINC) messages from/to MS Outlook/MS Exchange
- **eSISQL - SQL-database module.**
updates and downloads SITA/ARINC IATA messages, and even emails, from/to an SQL database. Attachments are supported.
The database has a default configuration for ORACLE8. Any other Ansi-SQL database can be used, such as Sybase, MS SQL, Informix, etc.
Nevertheless, eSISQL can interface Lotus Domino, MySQL and Oracle8i.
- **eSIWATCH - WinNT Service/Program control.** Stand-alone program and consists of all the functions that ensures that eSIMUS or SITA (**and any other service/program**) under WinNT, is online, operating and functioning.
If eSIMUS (or any other WinNT service/program) is not operating, eSIWATCH will automatically restart (or close) all processes necessary to get the program in operation again.
The eSIWATCH control list is set-up with a simple XML script, which the user can create and/or modify themselves.
- **eSIMAIL - Message Broadcast module.** Also available as stand-alone program, and consists of all the functions needed to create broadcast-lists (recipients addresses: SITA, ARINC, email, fax, X400) and broadcast the message to the recipients (single wise) on the different networks using simple commands.
Attachments and any SITATEX feature, is supported.
- **eSIAFTN - AFTN module.**
connects AFTN messages to eSIMUS so thus AFTN messages can be composed, send and received, on Outlook/Exchange.

- **eSIWSND - send SITA/ARINC from a WEB page.**
makes it possible to send SITA, ARINC and AFTN messages from a WEB site/page.
- **eSIWEB - displays instantly SITA/ARINC messages on a WEB page**
by sending the message to eSIWEB, getting it updated on a web-database, and instantly available and displayed on a WEB site/page.

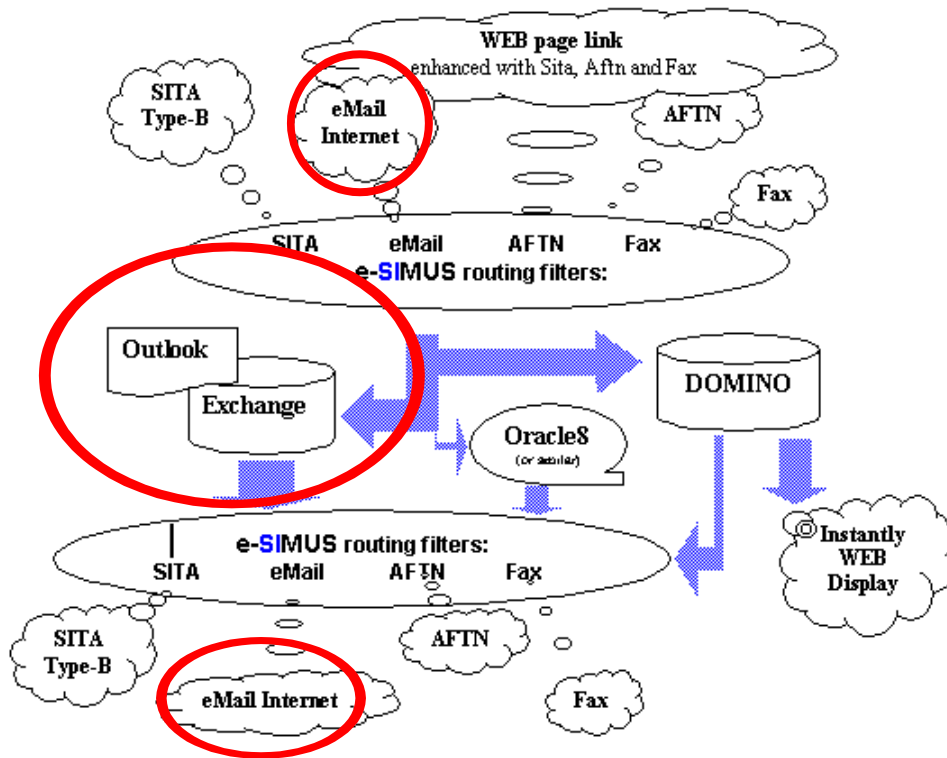
1.2 eSISITA - SITA interface Module (optional)

The SITA/ARINC Link Module makes it possible to connect to the SITA Message Type-B network.

The SITA/ARINC network can, transmit all kind of message formats and types like STX, X400, AFTN, Fax, Internet, FDS, Telex , and etc.. but can not interchange all those different types of messaging.

eSISITA is like a bridge and makes it possible to interchange all types of messages, emails, etc...

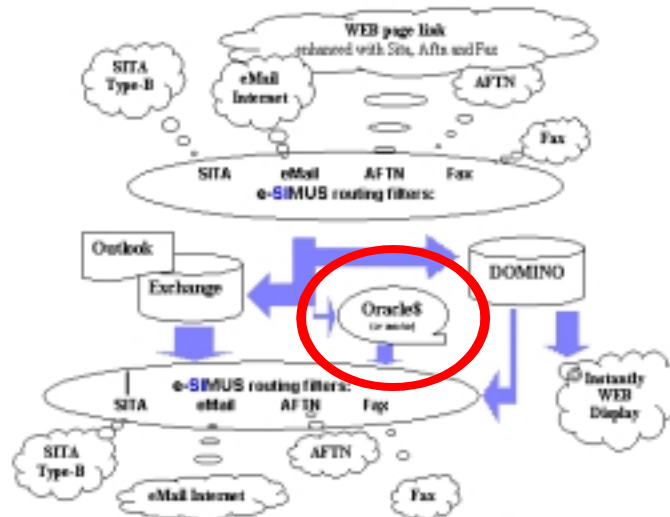
1.3 exSIMUS - eMail/Internet Module
(optional)



SITA/ARINC messages received are forwarded (and stored) to the appropriate recipients mailbox on the Intranet Server, and sends - email composed messages - from MS Outlook through the exSIMUS message handler to the SITA/ARINC, Email, AFTN and/or Fax address.

eSIMUS accepts cross-message addressing using SITA/ARINC, AFTN, Fax and Email addresses on the address book.

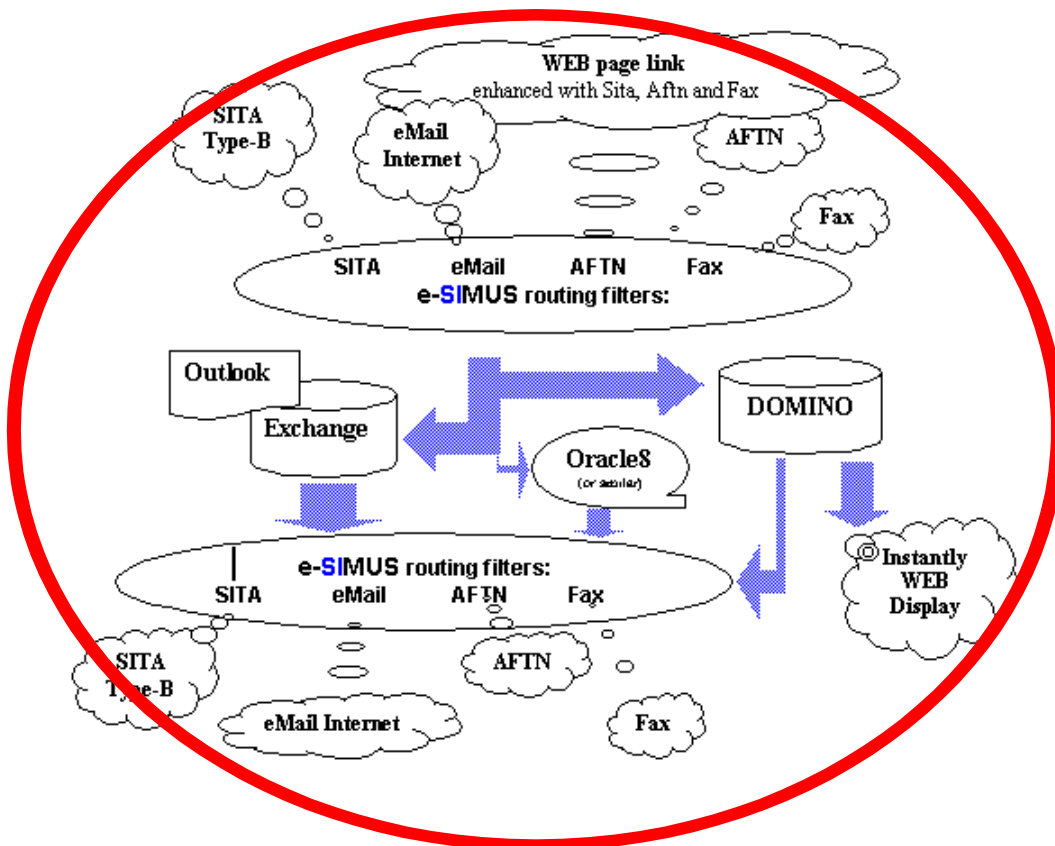
1.4 eSISQL - SQL Database Module (optional)



The SQL-Database stores received SITA/ARINC and Email messages and sends db-downloaded messages through eSIMUS message handling - via SITA/ARINC, Email, AFTN and/or Fax.

Besides that - the SQL Database Concept makes it easy to use an UNIX/LINUX message composer - even for SITA/ARINC messages.

1.5 eSIWATCH - WinNT Service/Program Control Module (optional)



All necessary programs for eSIMUS are supervised and controlled by eSIWATCH.

Based on a timer, eSIWATCH is constantly checking that programs and services from the definition control list are operating.

If a program or service is not functioning, eSIWATCH will:

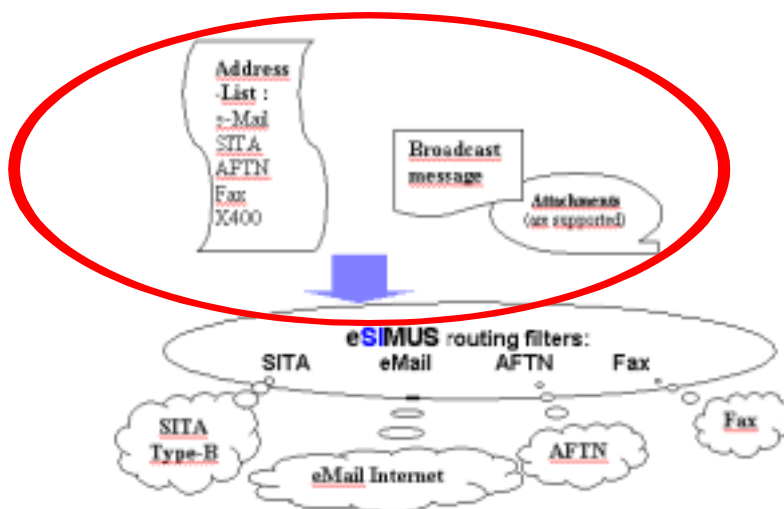
1. wait for the shut-down tolerance, based on an individual timer,
2. close the service/program if necessary and
3. start the service/program (definable) again.

eSIWATCH is designed so that:

- a defined process can be started by another program or service
- the starting program or service can be several programs or services
- if needed, the checked process can be killed before the start procedure takes place
- a log-on can be performed
- an e-mail can be sent
- all required parameters could be supplied on the program command line.

The eSIWATCH can supervise, control and restart any service/process under WinNT !

1.6 eSIMAIL - Message Broadcast Module (optional)



eSIMAIL provides a message broadcast service for single and multi-addressing possibilities.

All functions for broadcasting messages on the different networks from the same address list are provided in this module.

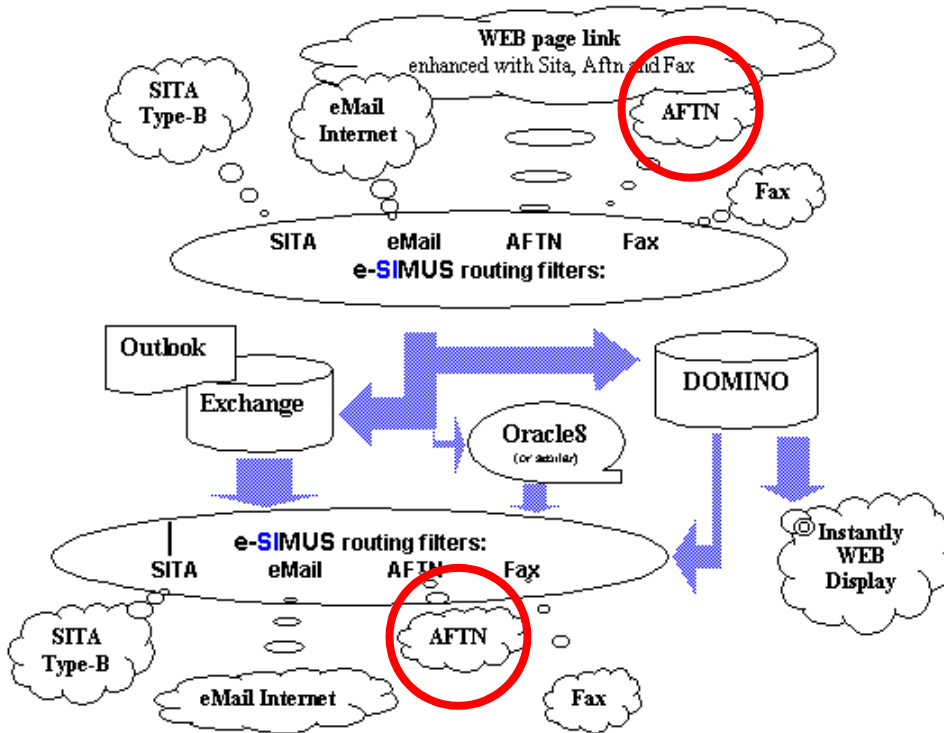
For SITA/ARINC messages are all features, - attachments, double signature, etc. - supported !

The module consists of all the functions to create broadcast-lists (recipients addresses: SITA/ARINC, email, fax, X400, AFTN) and broadcast a message to the recipients on the different networks using simple commands.

eSIMAIL handles email-, SITA/ARINC-, Fax/SITAFax-, AFTN and X400 - addresses from the same broadcast list and selects the communication transport automatically. This means:

- all broadcast lists are local and there is no registration or authorisation needed to broadcast messages.
- e-Mail addresses will be sent over the Internet or Intranet
- FAX addresses will be sent over a proprietary fax-connection, the Exchange fax-connection, or the SITA/ARINC nets fax feature.
- AFTN addresses will be sent over the AFTN-connection or the SITA/ARINC nets AFTN feature
- STX (normal) SITA/ARINC addresses will be sent
 - either over the Internet or Intranet, if an email address replacement can take place
 - or over the SITA/ARINC net.
- X400 addresses, will be sent over the SITA/ARINC net,
- FDS (SITAFax) will be sent over the SITA/ARINC net's SITAFAX feature

1.7 eSIAFTN - AFTN Interface Module
(optional)



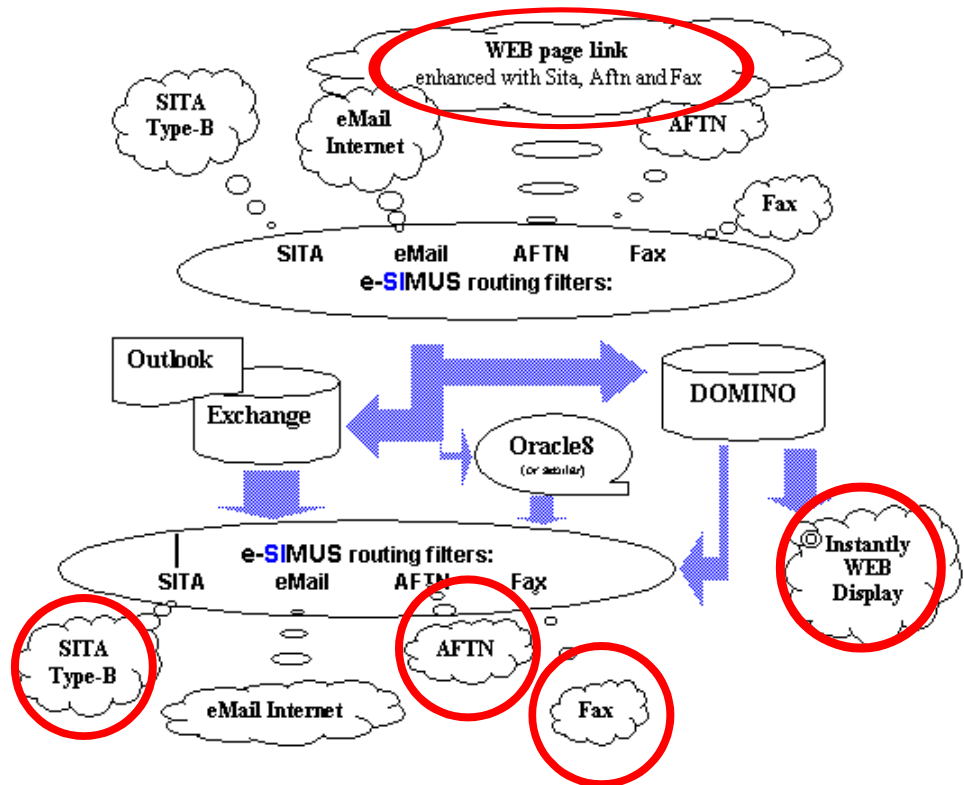
This module is optional - but requires exSIMUS.

The module consists of all functions needed when eSIMUS is connected to AFTN, and AFTN messages can be composed, send and received, on Outlook/Exchange.

The function is also available via the SITA/ARINC Link module.

The AFTN connection fulfils the requirements of ICAO, Annex 10.

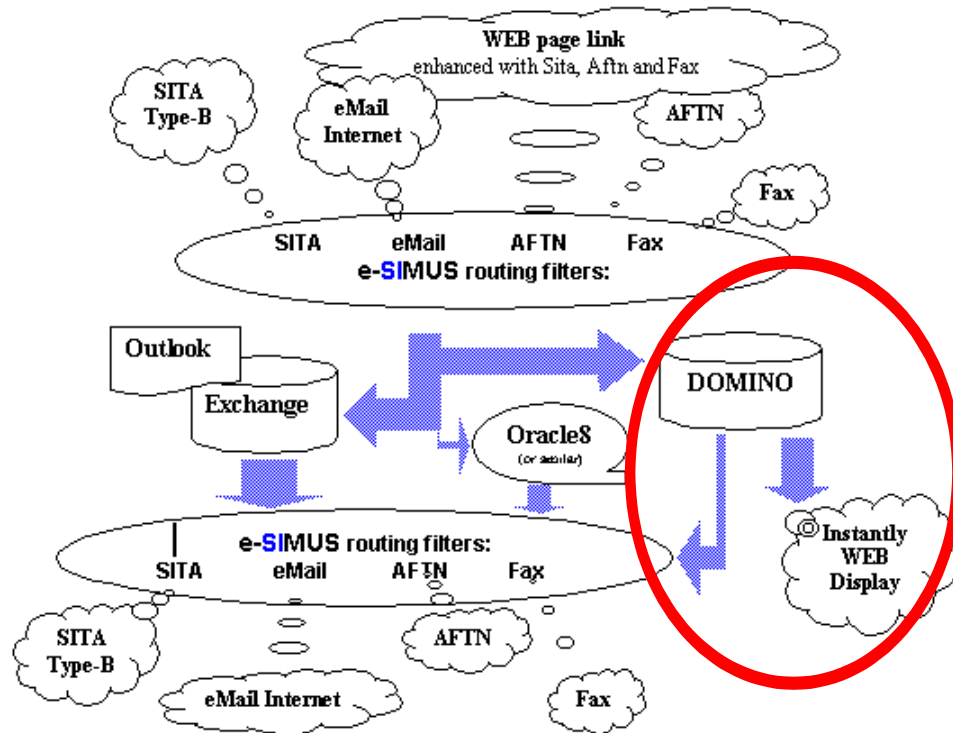
1.8 eSIWSND - send SITA/ARINC/etc. from a WEB page (optional)



The WEB page/site can be enhanced, to send SITA/ARINC (AFTN, X400, and Fax) messages from the WEB.

You can also send messages/emails from the WEB to eSIWEB, for instantly display on the WEB.

1.9 eSIWEB - displays messages/emails instantly on the WEB
(optional)



By sending messages/emails to eSIWEB, the information is instantly available on the WEB and can be displayed on a WEB page.

This module is used for displaying on the WEB: NOTAM's, Weather Reports, Flight Information, etc.