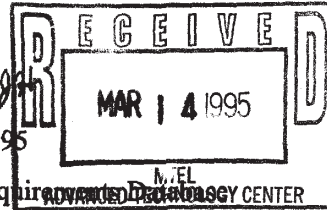


Interoffice Memorandum

To: Distribution
From: Jerry Huller
Date: March 13, 1995
Subject: Destineer Requirements Database Update



1. An update to the Destineer Functional Requirements Database (FRD) is now available. The update incorporates most of the changes discussed at the Requirements Review held in January. A few are still being worked on.
 - Remember that the new features may require that new transactions be identified and implemented.
2. I incorporated all inputs I had as of last Friday, and I generated the file "nocreq5.mdb." I also included proposed new requirements which are described in four memos dating from February 20 to March 9; their requirement ID starts with "aa-", to facilitate review.
3. A copy of the report of open requirements is attached. There are 594 outstanding requirements, counting 13 proposed new ones. Request that you review the report and identify any changes which are needed by April 28. If necessary, we will hold another technical session to update the FRD.
4. A copy of the latest version of the Functionality Matrix is also attached. It needs to be updated to reflect the changes in the FRD, particularly for release 1.0 (e.g., add SkyNews and SkyQuotes capabilities).
5. The above files are available on softcopy to ATC personnel.
 - The FRD is on the ATC network in ATC_DATA\RQMTS\nocreq5.mdb (Microsoft Access format)
 - The Functionality Matrix is on the ATC network in ATC_DATA\RQMTS\rel06j.xls (Microsoft Excel format)
6. The FRD is available to CEI and SAE personnel in the xfer directory on Puma.

Attachments (2)

FILE

Distribution: Ed Chwieseni
Bruce Deer
Stephen Oshinsky ✓
Roger Dauzat (SAE) - without attachments
Paul Keegan (SAE) - without attachments
Gar Spretz (CEI) - without attachments

cc: Jeff Nielson - without attachments
Dinesh Sheth

NWN Functional Requirements

Open Requirements

13-Mar-95

1

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MTEL1212278

ID: aa-ack-broadcast-msg **Assigned To:** **Counter: 1**

Brief Description: Provide the capability to send delivery & read acks to certain broadcasts.

Detailed Description: Destineer shall provide the capability to send delivery acknowledgement and a read acknowledgement of certain broadcast messages. The system will also provide the capability to limit the size of groups which have the acknowledgement features.

Issues Description:

Source: mtel-smo **Issues:** No

Subsystems: **Reference:**

ID: aa-ack-to-msg-reply **Assigned To:** **Counter: 2**

Brief Description: Provide the capability to send delivery & read acks to a msg reply.

Detailed Description: Destineer shall provide the capability to send delivery acknowledgement and read acknowledgement of a reply. For example, if you send me an MCR message, and I send you an MCR reply back, then I will receive delivery and/or read acknowledgement that you have gotten my reply.

 The ack may be provided to a PMU, PC terminal, fax machine, or voice mailbox.

Issues Description:

Source: mtel-smo **Issues:** No

Subsystems: **Reference:**

ID: aa-broadcast-mcr **Assigned To:** **Counter: 3**

Brief Description: Provide the capability to send broadcast MCR msgs.

Detailed Description: Destineer shall provide the capability to send broadcast Multiple Choice Response (MCR) messages.

Issues Description:

Source: mtel-smo **Issues:** No

Subsystems: **Reference:**

ID: aa-broadcast-news **Assigned To:** **Counter: 4**

Brief Description: Provide Skynews.

Detailed Description: Destineer shall provide the capability to distribute SkyNews. This is an existing UMS feature needed for Destineer.

Issues Description:

Source: UMS **Issues:** No

Subsystems: **Reference:**

ID: aa-broadcast-quotes **Assigned To:** **Counter: 5**

Brief Description: Provide SkyQuotes

Detailed Description: Destineer shall provide the capability to distribute SkyQuotes for 1-4 stocks twice each business day. This is an existing UMS feature needed for Destineer.

Issues Description:

Source: UMS **Issues:** No

Subsystems: **Reference:**

ID: aa-confirm-mcr-choice **Assigned To:** **Counter: 6**

Brief Description: Check for confirmation before sending MCR choice.

Detailed Description: Destineer shall provide the capability for a user to confirm an MCR choice before sending the MCR response.

Issues Description:

Source: mtel-jh **Issues:** No

Subsystems: **Reference:**

ID: aa-customer-individual-enable-dis **Assigned To:** **Counter: 7**
Brief Description: Authorize individual turn on/off of acks.
Detailed Description: Destineer shall provide the capability for a customer to authorize associated subscribers to individually enable and disable delivery and read acknowledgments.
Issues Description:
 Source: mtel-smo **Issues:** No
 Subsystems: **Reference:**

ID: aa-disable-pmu-acks **Assigned To:** **Counter: 8**
Brief Description: Provide capability to disable delivey & read acks for PMU.
Detailed Description: Destineer shall provide the capability for a subscriber to disable delivery and read acknowledgments for a PMU
Issues Description:
 Source: mtel-smo **Issues:** No
 Subsystems: **Reference:**

ID: aa-log-msgs **Assigned To:** **Counter: 9**
Brief Description: Store a log of all outgoing messages.
Detailed Description: Destineer shall provide the capability to store a log of all messages sent by a subscriber. This is essentially an autocopy of all message sent out.
Issues Description:
 Source: mtel-smo **Issues:** No
 Subsystems: **Reference:**

ID: aa-mt-trouble-ticket-send **Assigned To:** **Counter: 10**
Brief Description: Provide the capability to send trouble ticket bewteen MTs.
Detailed Description: Destineer shall provide the capability to send a trouble ticket from one Master Terminal to another. Destineer shall provide the capability for the operator to attach a text or voice message to the trouble ticket
Issues Description:
 Source: mtel-mg **Issues:** No
 Subsystems: **Reference:**

ID: aa-multi-response **Assigned To:** **Counter: 11**
Brief Description: Can respond with MCR and canned response.
Detailed Description: Destineer shall provide the capability for a subscriber to respond to a Multiple Choice Response (MCR) message with an MCR response and with a canned response, which may be initiated at different times.

Scenario: a caller leaves the following MCR message for PIN 9999999: "What's the status of the proposal? a) accepted b) rejected". The recipient sends the 1st response from the canned message list: "Will get back to you". At some time later, the recipient sends the 2nd response from the MCR list: "accepted". [Source: Stephen]
Issues Description:
 Source: mtel-smo **Issues:** No
 Subsystems: **Reference:**

ID: aa-originate-canned-msg**Assigned To:****Counter: 12****Brief Description:** Provide capability to send canned message to NOC.**Detailed Description:** Destineer shall provide the capability for a subscriber to originate sending a canned message addressed to the NOC. The objective is to offer advanced information/transaction service with a simple Tango type PMU device.

A customer subscribes to "special services and option" from Destineer. His/her NOC record is configured with this new option. A special set of CANNED MESSAGES is loaded into the PMU. The subscriber can send any of these special canned messages to the NOC without first receiving a message from the NOC, i.e., the subscriber can originate a canned message to the NOC. This canned message is addressed to the NOC, which analyzes the message and takes appropriate action on that message.

- Example 1: Canned message "10" for a subscriber is defined as "send local weather information now." When the PMU sends canned message 10 to the NOC, the NOC will get the weather information from the information service provider and send it to the subscriber PMU.

- Example 2: Canned Message "17" for a subscriber is defined as "call home (601-123-4567) and deliver a voice message that 'I will be late.'" When the PMU sends this message to the NOC, the NOC will call the home number and deliver the recorded message "I will be late."

In this implementation a simple PMU will have up to 128 canned messages that can be used for these type of applications. By implementing this functions with simple PMU, we move into advanced functionality (kind of agent service) without waiting on an advanced PMU.

Issues Description:**Source:** mtel-bp
Subsystems:**Issues:** No
Reference:**ID: aa-real-time-track-msgs****Assigned To:****Counter: 13****Brief Description:** Provide real-time tracking of certain subscriber actions.**Detailed Description:** Destineer shall provide real-time tracking of the following items, considered as a single subscriber transaction:

- message entry,
- messages sent (and attempts),
- message acknowledgments and replies,
- attempts to check on acknowledgments and replies.

Issues Description:**Source:** mtel-smo
Subsystems:**Issues:** No
Reference:**ID: access-db-people****Assigned To:****Counter: 14****Brief Description:** Restrict access to authorized people**Detailed Description:** Data services shall make data available only to authorized persons as defined by the System Operator.**Issues Description:****Source:** cet
Subsystems:**Issues:** No
Reference: SR1-5.2.2.2.a, SR1-5.2.2.1, SR1-5.4.4Data Management
Security Management**ID: access-db-processes****Assigned To:****Counter: 15****Brief Description:** Restrict access to data to authorized processes**Detailed Description:** Data shall be accessible only to authorized processes as defined by the System Operator.**Issues Description:****Source:**
Subsystems:**Issues:** No
Reference: SR1-5.2.2.2.aData Management
Security Management

ID: access-delinquent-accts **Assigned To: SAE/CEI** **Counter: 16**

Brief Description: Denial of service to subscribers whose accounts are delinquent

Detailed Description: The system shall deny service to subscribers whose accounts are not current.

Issues Description: This may be based on billing data or flags in the subscriber profile.

Source: cet

Issues: No

Subsystems: **Reference:** SR1-5.4.4.b-1

Application Message Transfer
Business Support System Interface
Character User Interface
Core Messaging
Data Management
Fax Message Transfer
Interactive Voice Response User Interface
RF Message Transfer

ID: access-files **Assigned To: SAE/CEI** **Counter: 17**

Brief Description: Use OS security for file access

Detailed Description: The system shall make use of operating system provided file access permissions as one of its security mechanisms.

Issues Description:

Source: cet

Issues: No

Subsystems: **Reference:** SR1-5.4.4.a-2, SR1-5.2.2.2.a-1

Master Terminal

ID: adhoc-distribution-list **Assigned To: SAE/CEI** **Counter: 18**

Brief Description: Adhoc distribution lists

Detailed Description: Destineer shall provide the capability for non-subscribers and subscribers to create "on-the-fly" temporary distribution lists. The system shall be able to process temporary distribution lists.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems: **Reference:** SR1-5.3.3.g

Destineer Access for Mac
Interactive Voice Response User Interface
MHS Mail Transfer

ID: agent-msg-transport **Assigned To:** **Counter: 19**

Brief Description: Transport an agent message to and from a PMU.

Detailed Description: Destineer shall provide the capability to transport an agent message to a PMU or from a PMU.

Issues Description:

Source: cet

Issues: No

Subsystems: **Reference:** CET RR 1/25/95

Application Message Transfer
Core Messaging
Data Management
Messaging Application Programming Interface
RF Message Transfer

ID: alarm-br

Assigned To:

Counter: 20

Brief Description: Report 5 alarms for BRs.

Detailed Description: Destineer shall provide the capability to report the following Base Receiver alarm conditions:

- 1) Receiver failure (loss of injection, etc.). This alarm shall latch until reset remotely.
- 2) Cabinet intrusion. This info will give NOC personnel knowledge of the time a door was opened and again when the door is closed.
- 3) Loss of AC power (input from UPS). A change of state must be reported.
- 4) Alarm on reset. Each CPU reset shall cause an alarm to be generated.
- 5) Lack of forward channel sync time-out. Each change of state shall be reported. As a design goal, an adjustable time out period is needed, for example, 10 seconds, 1 minute, 5 minutes, 1 hour.

Source document: Destineer Interoffice Memo, Neal Smith, subject: Alarm Functionality, dated January 12, 1995.

Issues Description:

Source: cet

Issues: No

Subsystems:

Reference: CET RR 1/25/95

Integrated Network Management System

ID: alarm-bt

Assigned To:

Counter: 21

Brief Description: Report 8 alarms for BTs.

Detailed Description: Destineer shall provide the capability to report the following Base Transmitter alarm conditions:

- 1) Average power output hi/lo limit. A station must generate an alarm if limits are exceeded;. Once set, this alarm must be cleared remotely in order to prevent repetitive alarms on key up.
- 2) Secondary average RF power output hi/lo limit. If a remote power sensor is used, a station must generate an alarm if limits are exceeded;. Once set, this alarm must be cleared remotely in order to prevent repetitive alarms on key up.
- 3) Reflected power hi limit. This condition requires remote clearing.
- 4) Secondary reflected power hi limit. This condition requires remote clearing.
- 5) Power amplifier module fault, to include forward and reflected power limits, module current limits, PA temperature and fan failure. This condition requires remote clearing.
- 6) Exciter fault. This condition requires remote clearing.
- 7) Door intrusion alarm. A change of state must be reported. This information will give NOC personnel knowledge of the time a door was opened and again when the door is closed.
- 8) High temperature cutback alarm. This condition requires remote clearing.

Source document: Destineer Interoffice Memo, Neal Smith, subject: Alarm Functionality, dated January 12, 1995.

Issues Description: Is a separate requirement needed for the 9 CE alarms?

Source: cet

Issues: Yes

Subsystems:

Reference: CET RR 1/25/95

ID: alarm-contents

Assigned To: ALL

Counter: 22

Brief Description: Alarm contents reporting

Detailed Description: Alarms sent to the Integrated Network Management Subsystem by Destineer components shall contain device identifier and alarm type identifier.

Issues Description:

Source: OP

Issues: No

Subsystems:

Reference: SR1-5.4.1.h-1

Character User Interface

6

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MTEL1212283

ID: audit-event-def **Assigned To:** **Counter:** 28
Brief Description: Definition of audit events
Detailed Description: Audit events shall include: invalid user authentication attempts, logins by persons, process registrations, unsuccessful data access attempts by processes, changes to user security profiles by System Operators.
Issues Description: Detailed description needs rewording.
Source: cet **Issues:** Yes
Subsystems: **Reference:** BDM1-3.5.2.3.1.1 thru BDM1-3.5.2.3.1.5,BDM1-3.5.2.3.2.12,BDM1-3.
Security Management

ID: audit-event-selection **Assigned To:** **Counter:** 29
Brief Description: Dynamic Audit Event Selection.
Detailed Description: The system will be capable of dynamically selecting events for display.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** BDM1-3.5.2.3
Master Terminal
Security Management

ID: audit-exception-reports **Assigned To:** **Counter:** 30
Brief Description: Audit Exception Reports.
Detailed Description: The system shall include the capability to produce security exception and summary reports by user or role, access event, and domain.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** BDM1-3.5.2.7
Data Management
Master Terminal
Security Management

ID: audit-trail **Assigned To:** **Counter:** 31
Brief Description: maintain audit trail
Detailed Description: The system shall maintain an audit trail of security sensitive events.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** BDM1-3.5.2.3
Data Management
Security Management

ID: authen-files-maintenance **Assigned To:** **Counter:** 32
Brief Description: Create/Modify ID/Authentication Files.
Detailed Description: The system shall be able to create/modify ID & authentication files for subscribers and NOC users.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** BDM1-3.5.1.3.1.10
Data Management
Master Terminal
Security Management

ID: authentication-subscriber **Assigned To: CEI** **Counter: 33**
Brief Description: Authentication of subscribers prior to network access
Detailed Description: Subscriber access security shall authenticate the subscriber, third parties, and NOC operators before granting network access.
Issues Description: Reliable authentication requires encryption equipment in the PMU and NOC hardware platforms and secure key distribution. Is there a requirement for the UIs to support encryption at the point of entry?
Source: cet **Issues:** Yes
Subsystems: **Reference:** SR1-5.4.4.b-1, SR1-5.6.1.a(v)

Security Management

ID: authorization-revoke **Assigned To: CEI** **Counter: 34**
Brief Description: Revocation of User/Group Authorizations.
Detailed Description: The system shall be able to revoke authorization of subscribers and NOC users or groups of subscribers and NOC users.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** BDM1-3.5.1.3.1.4

Data Management
Master Terminal
Security Management

ID: billing-access **Assigned To: SAE** **Counter: 35**
Brief Description: Customer service access of billing data
Detailed Description: Customer service shall have access to subscriber configuration options, message recall, and billing queries. This implies a tightly coupled interconnect between the NOC and the billing system.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.2.3.g

Business Support System Interface
Data Management
Transaction Management

ID: billing-interconnect **Assigned To: SAE** **Counter: 36**
Brief Description: transaction data to be sent to billing system in real-time
Detailed Description: Selected transactions shall be sent to the billing system as they are stored in the transaction database. This is to facilitate up-to-the-minute billing data to be accessible by customer service.
Issues Description: What is the interconnect? Possibles are networked connection or simple RS232 protocol. This is not done in existing UMS system, and will require modifications in MIS systems.
Source: mtel-jjh **Issues:** Yes
Subsystems: **Reference:** BKM

Business Support System Interface
Data Management
Transaction Management

ID: br-message **Assigned To: SAE** **Counter: 37**
Brief Description: The base receiver forwards messages to the SC.
Detailed Description: The PMU will transmit messages to the base receiver. The Base receiver will forward the message to the sub controller.
Issues Description:
Source: sae-fpk **Issues:** No
Subsystems: **Reference:** SA2-2.1.2.a SA2-2.1.3.g

Subcontroller

ID: configuration-attributes-region **Assigned To: CEI** **Counter: 42**
Brief Description: Region attributes shall include POC for mgmt functions
Detailed Description: Points of contact (POCs) for each network management function shall be designated for each region.
Issues Description: There is no concept of a REGION in Destineer with respect to the RF. What is meant by a REGION? Is REGION a concept for network management/maintenance only?
Source: cet **Issues:** Yes
Subsystems: **Reference:** SR1-5.4.2.h, BDMI-3.2.1.5.1

ID: configuration-br-location **Assigned To: CEI/SAE** **Counter: 43**
Brief Description: The base receiver location will be known
Detailed Description: Destineer shall contain data to define locations of BRs.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.6.1.a.2

Data Management
Integrated Network Management
Master Terminal

ID: configuration-bt-location **Assigned To: CEI/SAE** **Counter: 44**
Brief Description: Destineer will maintain the base transmitter location.
Detailed Description: Destineer shall contain data to define locations of BTs.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.6.1.a.2

Data Management
Integrated Network Management
Master Terminal

ID: configuration-coverage **Assigned To: ALL** **Counter: 45**
Brief Description: Configuration coverage requirements
Detailed Description: The system configuration shall be able to support 500 coverage areas and 55 zones of operation.
Issues Description:
Source: **Issues:** No
Subsystems: **Reference:**

Integrated Network Management

ID: configuration-data-access **Assigned To: CEI** **Counter: 46**
Brief Description: Access to configuration data
Detailed Description: The system shall provide Destineer processes with access to configuration data.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-3.5.1.1.a, SR1-5.5.5.C

ID: configuration-database **Assigned To: CEI** **Counter: 47**
Brief Description: The system shall maintain a configuration database.
Detailed Description: The system shall maintain a configuration database.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.4.2.f

Integrated Network Management

ID: configuration-gui **Assigned To: CEI** **Counter: 48**
Brief Description: A GUI is required for manipulating configuration data
Detailed Description: A user interface shall be provided for the display and manual entry/change of managed object attribute values in the configuration database.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.4.2.d, BDM1-3.2.1.4.7.2
Data Management
Integrated Network Management
Master Terminal

ID: configuration-gui-report **Assigned To: CEI** **Counter: 49**
Brief Description: A GUI is required for configuration report generation
Detailed Description: The system shall include a report generation tool for reporting configuration information.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.5.5.b, SR1-5.4.2.h, BDM1-3.2.4
Data Management
Integrated Network Management
Master Terminal

ID: configuration-managed-objects-de **Assigned To: CEI/SAE** **Counter: 50**
Brief Description: Store default attributes in the DB
Detailed Description: The system shall store default attribute values for all managed objects.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.4.2.c, BDM1-3.2.1.6.1
Data Management
Integrated Network Management
Master Terminal

ID: configuration-min-managed-objec **Assigned To: CEI/SAE** **Counter: 51**
Brief Description: Minimum set of managed object attributes
Detailed Description: The system will store for each managed object the following set of attributes:
- device type, location, software name and version, network address, point of contact, status, and warranty expiration date
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.4.2.h, BDM1-3.2.1.2.4
Data Management
Integrated Network Management

ID: configuration-poc-attributes **Assigned To: CEI/SAE** **Counter: 52**
Brief Description: POC attributes shall include name, location, email, phone #
Detailed Description: The configuration database shall contain fields for names, addresses, email addresses and phone numbers for every designated Point of Contact (POC), if available.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.4.2.h, BDM1-3.2.1.5.3
Data Management
Integrated Network Management
Master Terminal

ID: configuration-sc-location **Assigned To: CEI/SAE** **Counter: 53**

Brief Description: Store SubController location data

Detailed Description: The system shall store the location of each subcontroller.

Issues Description:

Source: **Issues:** No

Subsystems: **Reference:**

Data Management
Integrated Network Management
Master Terminal

ID: configuration-topology **Assigned To: CEI/SAE** **Counter: 54**

Brief Description: Configuration of network topology

Detailed Description: The system shall describe logical relationships between managed objects.

Issues Description:

Source: cet **Issues:** No

Subsystems: **Reference:** SR1-5.4.2.d, BDM1-3.2.1.4.5.2

Data Management
Integrated Network Management
Master Terminal

ID: configuration-topology-add-delete **Assigned To: CEI/SAE** **Counter: 55**

Brief Description: Network components can be added and deleted to/from topology

Detailed Description: The system shall have the ability to add and delete network components in the configuration database.

Issues Description:

Source: cet **Issues:** No

Subsystems: **Reference:** SR1-5.4.2.b.3, BDM1-3.2.2.3

Data Management
Integrated Network Management
Master Terminal

ID: configuration-topology-network- **Assigned To: CEI** **Counter: 56**

Brief Description: A network map is required to view topology

Detailed Description: The system shall display topological configuration data in the form of a network map.

Issues Description:

Source: cet **Issues:** No

Subsystems: **Reference:** SR1-5.4.2.b

Data Management
Integrated Network Management
Master Terminal

ID: configuration-update-managed-ob **Assigned To: CEI/SAE** **Counter: 57**

Brief Description: Store current attributes of managed objects

Detailed Description: The system shall store current attributes for all managed objects in the configuration database, updating these attributes automatically as changes occur.

Issues Description:

Source: cet **Issues:** No

Subsystems: **Reference:** SR1-5.4.2.b.2

Data Management
Integrated Network Management

ID: configuration-zone-location **Assigned To: CEI/SAE** **Counter: 58**
Brief Description: The zone location shall be known.
Detailed Description: The zone location must be defined in geographic coordinates (latitude,longitude) to support the location of a PMU. A zone is also provided in a text format (greater New York area), recorded for the voice system, and stored as a fax map.
Issues Description:
Source: sac-fpk **Issues:** No
Subsystems: **Reference:** SR1-5.3..6.a

Data Management
Integrated Network Management
Master Terminal

ID: configuration-zones **Assigned To:** **Counter: 59**
Brief Description: Zones are included in the configuration database
Detailed Description: The system shall be able to add and delete zones (defined as a set of BTs) to/from the database. The database shall be configurable to support 1 or more zones.
Issues Description: Note that SysOps define zones, INM merely stores the zone configuration information. How does Customer Service reallocate zones to individual PMUs?
Source: cet **Issues:** Yes
Subsystems: **Reference:** SR1-5.2.5.e

Business Support System Interface
Data Management
Integrated Network Management
Master Terminal
RF Message Transfer
Subcontroller

ID: control-commands **Assigned To: SAE/CEI** **Counter: 60**
Brief Description: Managed devices and processes shall accept control commands
Detailed Description: All Destineer managed devices and NOC software processes must accept control commands from the Integrated Network Management function. Control commands shall include initialization, shutdown, reset, mode control and configuration control commands. Control commands shall be logged.
Issues Description:
Source: **Issues:** No
Subsystems: **Reference:**

ALL
Integrated Network Management
Transaction Management

ID: conversion-ascii-tiff **Assigned To: CEI** **Counter: 61**
Brief Description: An ASCII file to TIFF/F fax file conversion will be supported.
Detailed Description: The system will provide a service to convert an ASCII file to a TIFF/F fax file. A transaction will be generated when this feature is invoked.
Issues Description:
Source: cei-nps **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a

Fax Message Transfer

ID: conversion-email-tiff **Assigned To: CEI** **Counter: 62**

Brief Description: Convert an email message to TIFF/F format

Detailed Description: The system will provide a service to convert an e-mail message to a TIFF/F fax message. The only email body parts that will actually get converted are the ASCII text, and TIFF/F fax body parts. Since an email file can contain many other body parts, the non-convertable body parts will produce a single page that contains a message similar to "Message content of type x could not be converted to fax" where x is the type of body part that could not be converted. A transaction will be generated when this feature is invoked.

Issues Description:

Source: cei-nps **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a

Data Management
Fax Message Transfer

ID: coverage-info **Assigned To: CEI** **Counter: 63**

Brief Description: Coverage info

Detailed Description: The NOC shall provide a description of geographical area covered by Destineer transmitters and receivers. The description shall be offered in text, voice, and fax formats. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

Application Message Transfer
Character User Interface
Data Management
Destineer Access for Mac
Destineer Access For MS Windows
Interactive Voice Response User Interface
Master Terminal
Transaction Management

ID: coveragepage-confidential **Assigned To: CEI/SAE** **Counter: 64**

Brief Description: Place confidential on fax cover page

Detailed Description: The phrase "Confidential" shall appear on the cover page of outbound faxes that have been designated as such. Faxes designated as confidential with no cover page will be treated as non-confidential. When multiple faxes are sent in one phone call, all will have the same confidentiality. A transaction will indicate if the fax was sent confidential.

Issues Description:

Source: cei-nps **Issues:** No
Subsystems: **Reference:**

Data Management
Fax Message Transfer
Transaction Management

ID: coverage-generate**Assigned To: CEI****Counter: 65****Brief Description:** A cover page for an outbound fax can be specified.**Detailed Description:** When the keyword command to send a fax is received by the Fax Message Transfer subsystem, the subscriber's profile will determine if a cover page is generated. The subscriber's profile can specify no cover page, default system cover page, or a filed document cover page. If either the default system cover page, or a filed document is specified as the cover page, the Fax Message Transfer subsystem will generate the cover page on the fly before the fax is sent. This cover page will be stored in a temporary file and will be deleted after the fax is sent or the retry algorithm is exhausted. The following ASCII information will be overlaid on the cover page if applicable: PIN of sender, name of sender, PIN of recipient, name of recipient, "URGENT", "CONFIDENTIAL", fax number of recipient, number for customer service. A transaction will be generated when a cover page is created.**Issues Description:****Source:** cei-nps**Issues:** No**Subsystems:****Reference:** SRI-3.3.1.a

Application Message Transfer
Business Support System Interface
Character User Interface
Data Management
Destineer Access for Mac
Destineer Access For MS Windows
Fax Message Transfer
Integrated Network Management
Interactive Voice Response User Interface
Master Terminal
Messaging Application Programming Interface
Operator Dispatch
Transaction Management

ID: cs-api-fault_reporting**Assigned To: SAE/CEI****Counter: 66****Brief Description:** API for reporting faults**Detailed Description:** An API shall exist that enables customer service to report faults to Integrated Network Management System.**Issues Description:****Source:** cet**Issues:** No**Subsystems:****Reference:** SRI-5.5.2

Business Support System Interface
Integrated Network Management

ID: cs-api-subscriber_profile**Assigned To: SAE****Counter: 67****Brief Description:** API for subscriber profiles**Detailed Description:** An API shall exist that enables customer service to create, modify, and delete subscriber profiles.**Issues Description:****Source:** cet**Issues:** No**Subsystems:****Reference:** SRI-5.5.3.a.i

Business Support System Interface
Data Management

ID: cs-info-access-billing**Assigned To: SAE****Counter: 68****Brief Description:** Customer service shall have access to billing information**Detailed Description:** The Customer Service function shall have access to billing information.**Issues Description:** We assume existing customer service/billing system will be retained, so this is a non-development topic for NOC.**Source:** cet**Issues:** Yes**Subsystems:****Reference:** SRI-5.5.2

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ID: csi-set **Assigned To: CEI** **Counter: 75**

Brief Description: Set subscriber CSI

Detailed Description: The system shall be able to set the subscriber's CSI in the subscriber profile.

Issues Description:

Source: **Issues:** No

Subsystems: **Reference:** SR1-3.3.1.a

Application Message Transfer
Business Support System Interface
Character User Interface
Data Management
Destineer Access for Mac
Destineer Access For MS Windows
Interactive Voice Response User Interface
Master Terminal
Messaging Application Programming Interface
Operator Dispatch

ID: delivery-to-specific-zone **Assigned To:** **Counter: 76**

Brief Description: Deliver a message to a specific zone.

Detailed Description: Destineer shall provide the capability to deliver a message to all PMUs in a specific zone. This is sometimes referred to as Convention Center or Mall paging.

Issues Description:

Source: cet **Issues:** No

Subsystems: **Reference:** CET RR 1/25/95

Core Messaging
Data Management
RF Message Transfer

ID: device-clock-accuracy **Assigned To: CEI** **Counter: 77**

Brief Description: Clock accuracy to within 10 seconds

Detailed Description: Destineer software shall support the distribution and synchronization of NOC and subcontroller processor clocks within 10 seconds of the correct time of day.

Issues Description:

Source: **Issues:** No

Subsystems: **Reference:**

Integrated Network Management

ID: directory-service-store **Assigned To: CEI** **Counter: 78**

Brief Description: Storage for a directory service.

Detailed Description: The directory service shall store names, aliases, nick-names, mailbox addresses, and PINs.

Issues Description: How much do we expect of the directory service?

Need to merge w/ X.500 directory service.

Who/how is this service accessed?

Source: cet **Issues:** Yes

Subsystems: **Reference:** SR1-5.3.1.h

Data Management
X.500 Directory Service

ID: disable-pmu **Assigned To: CEI** **Counter: 79**

Brief Description: The system shall be able to disable a PMU

Detailed Description: The system operator or customer service representative shall be able to disable a PMU on command.

Issues Description: This is only feasible if a disable feature is provided in the PMUs.

Source: cet **Issues:** Yes
Subsystems: **Reference:**

Business Support System Interface
Data Management
Master Terminal
RF Message Transfer

ID: distribution-list **Assigned To: SAE/CEI** **Counter: 80**

Brief Description: Support subscriber defined distribution lists

Detailed Description: Subscriber may define many distribution lists. Each list may contain PINs, email addresses, fax phone numbers, voice phone numbers, and other lists. If the list contains one or more other lists, it must be expanded until it contains only addresses with no duplicates. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: mtel-bms **Issues:** No
Subsystems: **Reference:** SR1-5.3.1.g

Application Message Transfer
Business Support System Interface
Character User Interface
Core Messaging
Data Management
Destineer Access for Mac
Destineer Access For MS Windows
Interactive Voice Response User Interface
Master Terminal
Messaging Application Programming Interface
Operator Dispatch
Transaction Management
X.400 Mail Transfer

ID: dm-age-out **Assigned To: SAE** **Counter: 81**

Brief Description: Purging of old data.

Detailed Description: Data services shall delete data objects whose retention time has expired.

Issues Description:

Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.2.2.2.c, SR1-5.2.2.3.b, SR1-5.2.2.1

Data Management

ID: dm-api **Assigned To: SAE** **Counter: 82**

Brief Description: API for all database services.

Detailed Description: An Application Programming Interface (API) shall exist for all database services.

Issues Description: What's the performance impact of this requirement? What is driving this requirement? Or, is this a design solution?

Source: cet **Issues:** Yes
Subsystems: **Reference:** SR1-5.3.8.a, SR1-5.1.1.7.c

Data Management

ID: dm-backup-restore **Assigned To: SAE** **Counter: 83**
Brief Description: Backup and restoration of data.
Detailed Description: The DM function shall be able to backup and restore any data file or files which are selected by the system operator.
Issues Description:
 Source: **Issues: No**
 Subsystems: **Reference: SR1-5.2.2.3.c**

Data Management
Master Terminal

ID: dm-customer-profile **Assigned To: SAE** **Counter: 84**
Brief Description: Store customer profile
Detailed Description: The system shall store customer profiles which control uthorizations, preferences, limits, and configurations for multiple subscribers.
Issues Description:
 Source: **Issues: No**
 Subsystems: **Reference:**

Data Management
Master Terminal

ID: dm-data_availability **Assigned To: SAE** **Counter: 85**
Brief Description: Data availability.
Detailed Description: The system shall keep data available 99.98% of the time.
Issues Description:
 Source: **Issues: No**
 Subsystems: **Reference: SR1-5.2.2.2.e**

Application Management
Data Management
Integrated Network Management

ID: dm-information-services **Assigned To: SAE** **Counter: 86**
Brief Description: Provide information services
Detailed Description: The Information Services shall provide informative data available to subscribers such as stock figures, sports scores, and others.
Issues Description: Will agents be developed to provide these services? Information services have not yet been defined. Schema and accessor functions will be defined and developed as the services are defined.
 Source: **Issues: Yes**
 Subsystems: **Reference: SR1-5.2.2.1.h**

Agent

ID: dm-message_data **Assigned To: SAE** **Counter: 87**
Brief Description: Message Data
Detailed Description: The Message Data Service shall store and provide access to messages such as e-mail, binary data, FAX, text, and voice mail.
Issues Description:
 Source: **Issues: No**
 Subsystems: **Reference: SR1-5.2.2.1.b**

Data Management

ID: dm-modify-data **Assigned To: SAE** **Counter: 88**

Brief Description: Modification of data.

Detailed Description: The DM function shall modify data in a timely manner.

Issues Description:

Source: **Issues:** No

Subsystems: **Reference:** SR1-5.2.2.1

Data Management

ID: dm-multiple-databases **Assigned To: SAE** **Counter: 89**

Brief Description: Multiple database management.

Detailed Description: The DM function shall manage databases at multiple NOC sites.

Issues Description:

Source: **Issues:** No

Subsystems: **Reference:** SR1-5.5.5

Data Management

Integrated Network Management

ID: dm-operational_data **Assigned To: SAE/CEI** **Counter: 90**

Brief Description: Operational Data

Detailed Description: The Operational Data shall consist of data such as configuration of Destineer (system parameters), configuration of network equipment for technical management and administration, alarms, trouble tickets, provisioning data, and (network) performance statistics.

Issues Description:

Source: **Issues:** No

Subsystems: **Reference:** SR1-5.2.2.1.d

Data Management

Integrated Network Management

ID: dm-pmu_profile **Assigned To: SAE/CEI** **Counter: 91**

Brief Description: PMU profile

Detailed Description: The PMU Profile Data Service shall manage PMU profiles such as last PMU location with timestamp, PMU location expiration interval, PMU capabilities, and associated addresses.

Issues Description:

Source: **Issues:** No

Subsystems: **Reference:** SR1-5.2.2.1

Data Management

Master Terminal

RF Message Transfer

ID: dm-pre-defined-msg-qty **Assigned To:** **Counter: 92**

Brief Description: Data management shall store 128 pre-defined messages.

Detailed Description: The data management function shall be capable of storing a total of 128 pre-defined messages (64 standard plus 64 subscriber-defined)

Issues Description:

Source: **Issues:** No

Subsystems: **Reference:**

ID: dm-pre-provisioned **Assigned To: SAE** **Counter: 93**
Brief Description: Data management shall support pre-provisioned PMUs
Detailed Description: The PMU profile data service shall allow definition of pre-provisioned PMUs, by associating the PMU profile with a dummy subscriber profile.
Issues Description:
Source: bdm-gph **Issues:** No
Subsystems: **Reference:** derived

Business Support System Interface
Data Management
Master Terminal
RF Message Transfer

ID: dm-subscriber-profile **Assigned To: SAE** **Counter: 94**
Brief Description: Subscriber Profile
Detailed Description: The Subscriber Profile shall consist of service authorizations, preferences, limits, and configuration data for individual subscribers.
Issues Description:
Source: **Issues:** No
Subsystems: **Reference:** SR1-5.2.2.1.a

Data Management

ID: dm-transaction-data **Assigned To: SAE** **Counter: 95**
Brief Description: Transaction Data
Detailed Description: The system shall store transaction data.
Issues Description:
Source: **Issues:** No
Subsystems: **Reference:** SR1-5.2.2.1.c

Data Management
Transaction Management

ID: edi **Assigned To: CEI** **Counter: 96**
Brief Description: EDI interface gateway
Detailed Description: Supply an EDI interface to Destineer.
Issues Description: Needs more detailed requirement definition. Not all EDIs are the same.
Source: **Issues:** Yes
Subsystems: **Reference:**

EDI Message Transfer

ID: email-accept-email **Assigned To: CEI** **Counter: 97**
Brief Description: Accept forwarded email
Detailed Description: The system shall accept external email destined for a subscriber from any services which may be delivered via X.400, the Internet server, or other planned Destineer-external email gateways. A transaction shall be generated when this feature is invoked.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.1.1.3, NWN Email-pl

CC: Mail Transfer
MHS Mail Transfer
MS Mail Transfer
SMTP Mail Transfer
Transaction Management
X.400 Mail Transfer

ID: email-address-consistent **Assigned To: CEI** **Counter: 98**

Brief Description: Consistent email addresses
Detailed Description: The subscriber mail box address shall be represented in a way that is consistent with the addressing scheme used by the external email systems.
Issues Description: Must be consistent with external system's addressing.
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.3.3.c

CC: Mail Transfer
Character User Interface
Data Management
Destineer Access for Mac
Destineer Access For MS Windows
MHS Mail Transfer
MS Mail Transfer
SMTP Mail Transfer
X.400 Mail Transfer

ID: email-gateway **Assigned To: CEI** **Counter: 99**

Brief Description: Support messaging with external mail systems
Detailed Description: Destineer shall be able to exchange email with LAN email systems (specifically Lotus' cc:Mail, Microsoft Mail, and MHS Mail), Service Bureau public email systems (specifically Sprintmail 400, MCI Mail, AT&T Mail, and Internet Mail). Access to these commercial public systems may be via X.400 where the gateway is completely external to Destineer. The Destineer MTA shall communicate with the X.400 MTA using the X.400 Message Transfer (P1) Protocol. The other interface of the Destineer-X.400 gateway shall support the End-to-End Messaging Protocol. Destineer messages can be exchanged with the following external systems: X.400 network, Commercial Internet Exchange, and the G3 FAX network. The Destineer-X.400 gateway will be connected to the X.400 backbone which corresponds to the Access Unit introduced in the 1988 x.400 series of recommendations. For outgoing messages, Destineer shall perform address translation and routing of messages to the appropriate gateway. A transaction will be generated for all messages coming through the email-gateway.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.3.3.c,d,f, SA2-4.7

CC: Mail Transfer
Core Messaging
Data Management
MHS Mail Transfer
MS Mail Transfer
SMTP Mail Transfer
Transaction Management
X.400 Mail Transfer

ID: email-msg-compose **Assigned To: CEI** **Counter: 100**

Brief Description: Compose an email message
Detailed Description: A caller shall be able to create and edit an email message.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

Character User Interface
Destineer Access for Mac
Destineer Access For MS Windows
Master Terminal
Operator Dispatch

ID: email-unique **Assigned To: CEI** **Counter: 101**

Brief Description: Unique email address and mailbox

Detailed Description: Each Destineer email subscriber shall be assigned one or more unique email addresses.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i, NWN E-MAIL-pl

Application Message Transfer
CC: Mail Transfer
Character User Interface
Data Management
Destineer Access for Mac
Destineer Access For MS Windows
Interactive Voice Response User Interface
Master Terminal
Messaging Application Programming Interface
MHS Mail Transfer
MS Mail Transfer
Operator Dispatch
SMTP Mail Transfer

ID: encryption-algorithm **Assigned To:** **Counter: 102**

Brief Description: Provide capability for user supplied encryption algorithm

Detailed Description: The system shall provide the capability for invoking a user supplied encryption algorithm for either rf encryption or storage encryption.

Issues Description:

Source:

Issues: No

Subsystems:

Reference:

Data Management
Messaging Application Programming Interface
RF Message Transfer

ID: encryption-rf **Assigned To: SAE** **Counter: 103**

Brief Description: Provide encryption services over the RF

Detailed Description: Destineer shall provide over the air encryption to the PMU.

Issues Description:

Source: cet

Issues: No

Subsystems:

Reference: SR1-3.3.3.a.(iv)

Data Management
RF Message Transfer

ID: encryption-storage **Assigned To:** **Counter: 104**

Brief Description: Provide encryption for stored data

Detailed Description: The system shall provide encryption for stored data.

Issues Description:

Source:

Issues: No

Subsystems:

Reference: SR1-3-3-3-a.(iv)

Data Management

ID: equipment-location**Assigned To:** SAE**Counter:** 105**Brief Description:** Destineer will maintain the location of network hardware.**Detailed Description:** The system shall maintain the location of network-managed hardware. As a minimum, the location of the following equipment must be maintained:

- base transmitters
 - base receivers
 - subcontrollers
 - terminal servers
 - bridges/routers
 - processors running NOC subsystems
- The location will be kept in the following forms:
- latitude and longitude
 - site location descriptions in text and voice
- In addition, a POC for the equipment will be maintained.

Issues Description: Need to add location of SCs as separate requirement.**Source:** cet**Issues:** Yes**Subsystems:****Reference:** SRI-5.6.1.a.2

Data Management

Integrated Network Management

Master Terminal

RF Message Transfer

ID: fax-input-check-did**Assigned To:****Counter:** 106**Brief Description:** Provide the capability to validate DID for subscriber authorized for fax input.**Detailed Description:** Destineer shall have the capability to query the NOC to determine if a DID is assigned to a subscriber who is authorized for Fax Input Methods.**Issues Description:****Source:** mtel-ek**Issues:** No**Subsystems:****Reference:** CET RR 1/25/95**ID: fax-input-determine-multiple-pag****Assigned To:****Counter:** 107**Brief Description:** Detect if fax document is single or multiple pages.**Detailed Description:** Destineer shall have the capability to detect if a fax document is a single page or multiple pages.**Issues Description:****Source:** mtel-ek**Issues:** No**Subsystems:****Reference:** CET RR 1/25/95**ID: fax-input-determine-name-pin****Assigned To:****Counter:** 108**Brief Description:** Determine name(s) and PIN of msg destination for a fax document.**Detailed Description:** Destineer shall provide the capability to correctly determine the name and destination PIN of a message which is one of the following Fax Input Methods pre-printed forms:

- Form #1 (pre-defined message).

- Form #2 (post-it note messages).

Destineer shall provide the capability to correctly determine the SOURCE NAME, DESTINATION NAME, and destination PIN of a message which is one of the following Fax Input Methods pre-printed forms:

- Form #3 (pre-defined MCR message).

- Form #4 (free form MCR message).

Issues Description:**Source:** mtel-ek**Issues:** No**Subsystems:****Reference:** CET RR 1/25/95

ID: fax-input-perf **Assigned To:** **Counter: 113**

Brief Description: Handle 4 simultaneous calls. Complete processing within 1 minute (desired).

Detailed Description: The Fax Input Methods shall have the capability to handle 4 simultaneous calls. As a design goal, each call process will complete within 1 minute of completion of the document reception.

Issues Description:

Source: **Issues:** No
Subsystems: **Reference:** CET RR 1/25/95

ID: fax-input-transport-tags **Assigned To:** **Counter: 114**

Brief Description: Transport fax message to NOC with correct PINs & file tag.

Detailed Description: Destineer shall have the capability to correctly transport a message to the NOC with the destination PIN and file tag correctly indicated, for a message which is one of the following Fax Input Methods pre-printed forms:

- Form #1 (pre-defined message), file tag is ASCII.

- Form #2 (post-it note message), file tag is TIFF.

Destineer shall have the capability to correctly transport a message to the NOC with the SOURCE PIN, DESTINATION PIN, and MCR file tag correctly indicated, for a message which is one of the following Fax Input Methods pre-printed forms:

- Form #3 (pre-defined MCR message).

- Form #4 (free form MCR message).

Issues Description:

Source: mtel-ek **Issues:** No
Subsystems: **Reference:** CET RR 1/25/95

ID: fax-no-answer **Assigned To: CEI** **Counter: 115**

Brief Description: Don't answer phone if subscriber can't accept fax.

Detailed Description: The Fax Message Transfer subsystem will not answer an incoming fax phone call if the subscriber (based on DID) can not accept a fax. Subscribers can not accept messages if their mailbox is full.

Issues Description: Incoming calls are detected by a wink from the phone company. The Fax Message Transfer subsystem must wink back to get the DID. If it is then decided that this subscriber can not accept the fax and the Fax Message Transfer Subsystem never goes off hook, the phone company may consider the line disabled, and not route any more calls to it. Need to check with the service providers to get this resolved.

Source: cei-nps **Issues:** Yes
Subsystems: **Reference:** SR1-3.3.1.a

Data Management
Fax Message Transfer

ID: fax-on-demand-deliver **Assigned To: CEI** **Counter: 116**

Brief Description: One-call fax on demand will be supported.

Detailed Description: A calling external fax machine will be able to request the system to transmit a subscriber's previously specified faxes. The documents to be transmitted will be retrieved from the subscriber's profile and must have been specified at an earlier time through some user interface to Destineer. A transaction will be generated for each fax delivered.

Issues Description:

Source: cei-nps **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a

Fax Message Transfer

ID: fax-on-demand-mark **Assigned To: CEI** **Counter: 117**

Brief Description: Mark fax as Fax-on-Demand

Detailed Description: A subscriber shall be able to mark a fax as Fax-on-Demand. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i, SR1-5.2.2.1.a

Application Message Transfer
Character User Interface
Core Messaging
Data Management
Destineer Access for Mac
Destineer Access For MS Windows
Interactive Voice Response User Interface
Master Terminal
Messaging Application Programming Interface
Operator Dispatch

ID: fax-receive-from-ivr **Assigned To:** **Counter: 118**

Brief Description: Receive a fax from the IVR UI

Detailed Description: It will be possible for users to receive a fax over the same phone line that they are using to access the IVR. The user will have the ability to call from the handset of a fax machine, and request reception of specific faxes over the same line.

Issues Description:

Source:

Issues: No

Subsystems:

Reference: Mtel verbal

Interactive Voice Response User Interface

ID: fax-sub-retrieval **Assigned To: CEI** **Counter: 119**

Brief Description: Subscriber retrieval will be supported.

Detailed Description: A calling external fax machine will be able to poll the system to transmit a subscriber's previously specified faxes. The documents to be transmitted will be retrieved from the subscriber's profile, and must have been specified at an earlier time through some user interface to Destineer. For any faxes to be delivered, the subscriber's security code must be entered by the caller. The system will not prompt for the security code, but if it is not there no faxes will be transmitted. A transaction will be generated for each fax downloaded.

Issues Description:

Source: cei-nps

Issues: No

Subsystems:

Reference:

Data Management
Fax Message Transfer

ID: fax-to-text **Assigned To: SAE** **Counter: 120**

Brief Description: Convert fax to text

Detailed Description: Provide the capability to convert a fax to text.

Issues Description:

Source: cei-gws

Issues: No

Subsystems:

Reference: SR1-3.3.3.a.iv

Core Messaging
Data Management
Fax Message Transfer

RF Message Transfer

ID: fpc-msg-data-type **Assigned To:** SAE **Counter:** 127
Brief Description: FPC shall support different data types in messages
Detailed Description: The FPC will pass messages without regard to the data type.
Issues Description:
Source: sae-dvs **Issues:** No
Subsystems: **Reference:** SR1-5.3.2.c

RF Message Transfer

ID: fpc-msg-division **Assigned To:** SAE **Counter:** 128
Brief Description: FPC will manage the division of forward path PMU messages
Detailed Description: The FPC will manage the division of forward path PMU messages into segments as required for transmission using the over-the-air protocol. The FPC will maintain information on which segments of the message have been successfully sent to the PMU and which segments are pending. The FPC will handle re-sending those segments which are indicated as having failed transmission.
Issues Description:
Source: sae-dvs **Issues:** No
Subsystems: **Reference:** BKM

RF Message Transfer

ID: fpc-msg-grade **Assigned To:** SAE **Counter:** 129
Brief Description: Guaranteed grade of message delivery for specified groups of subscribers
Detailed Description: Destineer shall be capable of providing a guaranteed grade of RF message service to a group of subscribers.
Issues Description: What does "guaranteed" indicate? Are the specified groups promised a time frame (eg. 30 seconds) during which messages will be delivered or are certain algorithms to be used to handle retry? Will guaranteed messages take precedent over national or regional messages?
What are the legal implications of "guarantee"?
Remove the word "guarantee"?
Define "guarantee" - how does it relate to "priority" & subscriber groups?
Source: sae-dvs **Issues:** Yes
Subsystems: **Reference:** SR1-5.2.4.d

Core Messaging

RF Message Transfer

ID: fpc-msg-length **Assigned To:** SAE **Counter:** 130
Brief Description: FPC must handle variable length messages.
Detailed Description: Destineer shall support variable length messages.
Issues Description:
Source: sae-dvs **Issues:** No
Subsystems: **Reference:** SR1-5.3.2.d

RF Message Transfer

ID: fpc-msg-response **Assigned To:** SAE **Counter:** 131
Brief Description: FPC will indicate when transmission of a FP PMU message is complete or failed
Detailed Description: The FPC will send an indication that transmission of a FP PMU message is complete when the last receive acknowledgement for that message is received. If a FP PMU message cannot be delivered (as indicated by message received acknowledgement(s) not being received or the forward path interfaces being down or not being able to locate the PMU), the FPC will send an indication that transmission of a FP PMU message has failed.
Issues Description:
Source: sae-dvs **Issues:** No
Subsystems: **Reference:** BKM

Core Messaging

Data Management

RF Message Transfer

ID: fpc-raw-data-rate **Assigned To: SAE** **Counter: 137**

Brief Description: Zone forward channel raw data rate.

Detailed Description: The system shall support a continuous raw data rate of >= 24,000 bps per zone in the forward channel.

Issues Description:

Source: cet **Issues:** No
Subsystems: **Reference:** SR1-4.6.b

ID: fpc-reverse-channel-allocation **Assigned To: SAE** **Counter: 138**

Brief Description: FPC will assign reverse channel slots

Detailed Description: The FPC will assign slots in the reverse channel section of the RF cycle. Reverse path slot assignments will be made to maximize utilization of the reverse path resources.

Issues Description:

Source: sae-dvs **Issues:** No
Subsystems: **Reference:** SR1-5.6.2

Data Management
Integrated Network Management
RF Message Transfer

ID: fpc-reverse-channel-scheduling **Assigned To: SAE** **Counter: 139**

Brief Description: PMUs reverse channel time shall be based on location.

Detailed Description: Reverse path scheduling for a PMU shall be based on the proximity of all PMUs in the zone to base receivers (allowing non-interfering PMUs to transmit simultaneously).

Issues Description: What is the real requirement?

Source: sae-jmc **Issues:** Yes
Subsystems: **Reference:** SR1-5.6.2.g

Data Management
RF Message Transfer

ID: fpc-satellite-interface **Assigned To: SAE** **Counter: 140**

Brief Description: FPC shall provide access to satellite interfaces

Detailed Description: The FPC shall provide interfaces to the satellites to be used for forward path message transmissions to base transmitters. The FPC will support interfaces to multiple satellite channels and support mapping zones to those satellite channels.

Issues Description:

Source: sae-dvs **Issues:** No
Subsystems: **Reference:** SA2-3.5.1

Integrated Network Management
RF Message Transfer

ID: fpc-secondary-path **Assigned To: SAE** **Counter: 141**

Brief Description: FPC routes messages to BTs via land lines as secondary path

Detailed Description: The FPC will route forward path messages to the BTs via a land line connection if the primary path through the satellite link is not available.

Issues Description:

Source: sae-dvs **Issues:** No
Subsystems: **Reference:** SA2-2.1.4.c

Integrated Network Management
RF Message Transfer

ID: info-service-multicast-options **Assigned To: CEI** **Counter: 142**

Brief Description: Set multicast options

Detailed Description: A subscriber shall be able to select multicast options such as advertising, national/regional/local information, stock quotations, news, and weather. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cei-gws **Issues:** No
Subsystems: **Reference:** SR1-5.3.7.b

Application Message Transfer
Business Support System Interface
Character User Interface
Data Management
Destineer Access for Mac
Destineer Access For MS Windows
Master Terminal
Messaging Application Programming Interface
Operator Dispatch
Transaction Management

ID: info-service-query **Assigned To: CEI** **Counter: 143**

Brief Description: Delivery of information when queried

Detailed Description: Destineer shall provide a service which delivers information to a subscriber on a query basis. All requests for service or data must be verified and authorized. Delivery shall be available through all offered services A transaction shall be generated when this feature is invoked.

Issues Description: Need to clarify scope of NWN - does this include wireless services or are these external service. Via any service per Dinesh 8/23/93

Source: cei-gws **Issues:** No
Subsystems: **Reference:** SR1-5.3.7

Agent
Application Message Transfer
Core Messaging
Data Management
Fax Message Transfer
RF Message Transfer
Transaction Management
X.400 Mail Transfer

ID: internet-authenticate-user **Assigned To: CEI** **Counter: 144**

Brief Description: Authenticate subscriber access via the Internet

Detailed Description: Destineer shall verify the claimed identity of a subscriber by matching the PIN with the corresponding security code as part of the process of a person accessing Destineer via the Internet. Mtel does not want Destineer services accessed via a telnet or rlogin session. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.7.1

Application Message Transfer
Character User Interface
Data Management
Destineer Access for Xwindows
Security Management

ID: internet-authorize-user **Assigned To:** CEI **Counter:** 145
Brief Description: Authorize subscriber
Detailed Description: Destineer shall determine which service(s) the authenticated subscriber is entitled to as part of the process of a person accessing Destineer via the Internet.
Issues Description: Mtel has indicated that they do not want NWN services accessed via telnet or rlogin sessions where this requirement would apply.
Source: cei-jdg **Issues:** Yes
Subsystems: **Reference:** SR1-5.7.1

ID: internet-domain-name-service **Assigned To:** CEI **Counter:** 146
Brief Description: Allow lookup of addresses by names and vice-a-versa
Detailed Description: Destineer shall be able to map host names into registered Internet addresses and vice-versa.
Issues Description: This will initially be provided by UUNET and may be later done within the NWN. Name service could be provided within the NOC using NIS initially.
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.7.1.f

SMTP Mail Transfer
X.400 Mail Transfer
X.500 Directory Service

ID: internet-email **Assigned To:** CEI **Counter:** 147
Brief Description: Internet email server for Destineer/Mtel
Detailed Description: The NWN will have access/connection to the Internet (Commercial Internet Exchange) and an address for their domain.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SA2-4.7-p4-16, NWN E-MAIL-p1, SR1-5.3.3.c

ID: internet-ftp-disallow **Assigned To:** CEI **Counter:** 148
Brief Description: Do not allow transfer of files into or out of Destineer
Detailed Description: The system shall not allow FTP (File Transfer Protocol) file transfers into or out of Destineer.
Issues Description: Can the system be effectively maintained with this restriction?
Source: cei-jdg **Issues:** Yes
Subsystems: **Reference:** SR1-5.7.1.2

Operations

ID: internet-packet-route **Assigned To:** CEI **Counter:** 149
Brief Description: Route TCP/IP packets
Detailed Description: Destineer shall route TCP/IP packets between the NOC TCP/IP local area network and the Commercial Internet Exchange(CIX)
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.7.1

SMTP Mail Transfer

ID: internet-telnet-disallow **Assigned To: CEI** **Counter: 150**
Brief Description: Do not allow telnet sessions
Detailed Description: The system shall not allow a telnet session (either inbound or outbound) to be established on any Destineer processor.
Issues Description: Can the system be effectively maintained with this restriction?
Source: cei-jdg **Issues:** Yes
Subsystems: **Reference:** SR1-5.7.1.2,NWN E-MAIL-p1

Operator

ID: ivr-customer-svc-access **Assigned To: CEI** **Counter: 151**
Brief Description: Access customer service from the IVR.
Detailed Description: A caller ,shall be able to contact a customer service representative from the IVR menu.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:**

ID: ivr-ods-access **Assigned To: CEI** **Counter: 152**
Brief Description: Access to ODS via the IVR
Detailed Description: The Operator Dispatch System shall be accessible from the IVR menu.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:**

ID: language-translation **Assigned To: CEI/SAE** **Counter: 153**
Brief Description: Language translation
Detailed Description: Destineer shall provide the capability to translate from one language to another. A transaction shall be generated when this feature is invoked.
Issues Description: What translations are required?
May be implemented with human translator. NWN will allow a language translator to be plugged in when automatic content translation becomes technically feasible. The design and implementation teams will insure that plugging in a translator is simple and isolated activity for Mtel or a third party to do. Until then, if Mtel or a third party wants to provide the service, human translators will be required.
Source: cei-gws **Issues:** No
Subsystems: **Reference:** SR1-3.3.3.a.i

Application Message Transfer
Business Support System Interface
Character User Interface
Core Messaging
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Destineer Access for Mac
Destineer Access For MS Windows
Interactive Voice Response User Interface
Master Terminal
Messaging Application Programming Interface
Operator Dispatch
Transaction Management

Character User Interface
Data Management
Destineer Access for Mac
Destineer Access For MS Windows
Destineer Access for Xwindows
Interactive Voice Response User Interface
Master Terminal
Operator Dispatch

ID: mbox-advance-next-msg **Assigned To:** CEI **Counter:** 158

Brief Description: Advance to next message in the mailbox

Detailed Description: A subscriber shall be able to advance to the next message in the mailbox.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

Character User Interface
Destineer Access for Mac
Destineer Access For MS Windows
Destineer Access for Xwindows
Interactive Voice Response User Interface
Master Terminal
Operator Dispatch

ID: mbox-back-previous-msg **Assigned To:** CEI **Counter:** 159

Brief Description: Backup to previous message in the mailbox

Detailed Description: A subscriber shall be able to backup to the previous message in the mailbox. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

Character User Interface
Destineer Access for Mac
Destineer Access For MS Windows
Destineer Access for Xwindows
Interactive Voice Response User Interface
Master Terminal
Operator Dispatch

ID: mbox-full-no-answer **Assigned To:** CEI **Counter:** 160

Brief Description: Don't answer if mailbox is full

Detailed Description: For an incoming call the phone DID will not answer if the subscriber's mailbox is full. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

Fax Message Transfer
Interactive Voice Response User Interface
Operator Dispatch

ID: mbox-message-summary **Assigned To:** CEI **Counter:** 161

Brief Description: Report message summary

Detailed Description: A subscriber shall be able to view/listen to a summary of selected messages in his mailbox. Information that is presented in a message summary shall be configurable.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i

Application Message Transfer
Business Support System Interface
Character User Interface
Destineer Access for Mac
Destineer Access For MS Windows
Destineer Access for Xwindows
Interactive Voice Response User Interface
Interactive Voice Response User Interface
Master Terminal
Messaging Application Programming Interface
Operator Dispatch

ID: mbox-name-alias **Assigned To:** SAE/CEI **Counter:** 162

Brief Description: Name aliases for email access

Detailed Description: A subscriber's mailbox will have name aliases for email service provider access. The name aliases represent the names by which the subscriber is known for access from other email service providers

Issues Description:

Source: cct

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i, UMS X.400 Email System(Features and Functions)

Data Management
X.400 Mail Transfer
X.500 Directory Service

ID: mbox-retransmit-msg **Assigned To:** CEI/SAE **Counter:** 163

Brief Description: Retransmit a message

Detailed Description: A subscriber shall be able to retransmit any message in his mailbox from all user interfaces which support a message send function. Provided Destineer has the conversion capabilities required.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i

Application Message Transfer
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Destineer Access For MS Windows
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Operator Dispatch

ID: mbox-retrieve-by-doc-number **Assigned To:** CEI **Counter:** 164

Brief Description: Retrieve filed message by document number
Detailed Description: A subscriber shall be able to retrieve filed messages from his mailbox by specifying its document number.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i, IVR Call Fax Flow Manual-2.6

Application Message Transfer
Business Support System Interface
Character User Interface
Data Management
Destineer Access for Mac
Destineer Access For MS Windows
Interactive Voice Response User Interface
Master Terminal
Messaging Application Programming Interface
Operator Dispatch

ID: msg-address-PMU **Assigned To:** **Counter:** 165

Brief Description: Address a message to a PMU.
Detailed Description: Destineer shall provide the capability to address a message to a PMU.

Issues Description:

Source: cet **Issues:** No
Subsystems: **Reference:** CET RR 1/25/95

Application Message Transfer
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Destineer Access for Xwindows
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Messaging Application Programming Interface
Operator Dispatch
RF Message Transfer

ID: msg-annotate **Assigned To:** CEI **Counter:** 166

Brief Description: Annotate a message
Detailed Description: Provide the capability for a subscriber to create/edit/delete a text or voice annotation for a message. A transaction shall be generated when this feature is invoked. The annotation may be created, edited, and deleted independent of the associated message. However, if a message is deleted any associated annotations would also be deleted.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

Application Message Transfer
Character User Interface
Core Messaging
Data Management
Destineer Access for Mac
Destineer Access For MS Windows
Interactive Voice Response User Interface

ID: msg-arrival-notification **Assigned To:** SAE **Counter:** 167

Brief Description: Send notification for arriving messages.
Detailed Description: Destineer will be able to send a notification to the recipient that a new message has been received. See prof-delivery-content-parts which specifies the content of the arrival notification message. A transaction shall be generated when this feature is invoked.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.1.1.3, NWN Email Briefing-p2

Core Messaging
Data Management

ID: msg-auto-copy **Assigned To:** CEI **Counter:** 168

Brief Description: Automatically forward a message with copy
Detailed Description: Provide the capability for a subscriber to configure his mailbox to automatically forward his received messages to another PIN and keep a copy of all forwarded messages also. The subscriber who forwards messages with auto copy is referred to as the initiating subscriber. The initiating subscriber gets a copy of all messages forwarded. When a subscriber forwards his messages to another subscriber, a message similar to the following message is delivered to the new recipient's PIN: "MESSAGES WILL BE FORWARDED WITH AUTO COPY FROM name/PIN xxxxxx". When forwarding is cancelled by the initiating subscriber or by customer service, a message similar to the following message is sent to the former destination PIN: "MESSAGE FORWARDING WITH AUTO COPY FROM name/PIN xxxxxx CANCELED". If a subscriber attempts to forward with auto copy his messages to another subscriber who has his PIN forwarded or has disallowed delivery of forwarded messages, the initiating subscriber has forwarding with auto copy to that PIN immediately cancelled. The initiating subscriber will receive an error message explaining why his forwarding to that PIN was disallowed. A transaction shall be generated when this feature is invoked.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i, IVRFCFM-2.5.1

Application Message Transfer
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Transaction Management

ID: msg-auto-follow **Assigned To:** CEI **Counter:** 169

Brief Description: Configure follow me
Detailed Description: A subscriber shall be able to enable/disable the NOC to track the subscribers PMU location and automatically forward messages to the user's PMU when he is not at "home". A transaction shall be generated when this feature is invoked.
Issues Description: Does this requirement provide the capability for the subscriber to override the delivery address in the Delivery Table? Does this requirement imply the need to specify "spacial delivery" options?
Source: cei-jdg **Issues:** Yes
Subsystems: **Reference:** SR1-3.3.1.a.i, NWN Email-p2

Application Message Transfer
Character User Interface
Core Messaging
Data Management
Destineer Access for Mac
Destineer Access For MS Windows

Master Terminal
Messaging Application Programming Interface
Operator Dispatch
Transaction Management

ID: msg-autodelivery **Assigned To:** SAE/CEI **Counter:** 170

Brief Description: autodelivery of messages based on type
Detailed Description: A subscriber shall be able to cause the system to automatically deliver all incoming messages to a specified address. Autodelivery can be specified for each classification of message.
Issues Description: Assumed that all message are also stored in users mailbox for some given time. Closed
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.1.1.3,NWN Email-p2

Application Message Transfer
Character User Interface
Core Messaging
Destineer Access for Mac
Destineer Access For MS Windows
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Master Terminal
Messaging Application Programming Interface
Operator Dispatch

ID: msg-canned-entry **Assigned To:** SAE/CEI **Counter:** 171

Brief Description: enter and modify canned messages for a PMU
Detailed Description: The system has several groups of canned messages. Each subscriber may have 128 canned messages stored on the system and in his PMU. The subscriber must be able to change his custom messages. The modified list of canned messages must then be downloaded to the PMU. A transaction shall be generated when the canned messages are downloaded and when they are sent to a PMU. To save airtime a token message identifier (special character and a number) is broadcast instead of the entire text.
Issues Description: This function is highly dependant on PMU specifications and OTAP capabilities.
Source: mtl-jjh **Issues:** No
Subsystems: **Reference:** SR1-5.1.1.1.c, Protocol Document

Application Message Transfer
Character User Interface
Core Messaging
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Destineer Access For MS Windows
Master Terminal
Messaging Application Programming Interface
Operator Dispatch
RF Message Transfer

ID: msg-canned-entry-parameters **Assigned To:** SAE/CEI **Counter:** 172

Brief Description: Parameters for canned messages supported
Detailed Description: Destineer canned messages may be defined such that they may contain variable parameters. For example, a canned message may contain a variable parameter which is used to specify a time. The parameter may be a text string of variable length. A special character will be used to indicate the end of a parameter. Parameters, if any, will be transmitted as specified in the Protocol Document.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.1.1.1.c, Protocol Document

Application Message Transfer
Character User Interface
Data Management

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Destineer Access for Mac
Destineer Access For MS Windows
Destineer Access for Xwindows
Master Terminal
Messaging Application Programming Interface
Operator Dispatch
RF Message Transfer

ID: msg-canned-entry-types **Assigned To:** CEI/SAE **Counter:** 173

Brief Description: Multiple types of canned messages supported
Detailed Description: Destineer will support multiple types of canned messages: custom(individual), system, and customer. Custom canned messages are specified by the subscriber and may be sent by the subscriber from his PMU(s). Customer canned messages are specified by a customer and may be sent by the subscribers that customer is paying for from their PMUs. System canned messages are specified by Mtel and may be sent by any subscriber from their PMU(s).

Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.1.1.1.c, Protocol Document

Character User Interface
Character User Interface
Core Messaging
Data Management
Destineer Access for Mac
Destineer Access for Xwindows
Master Terminal
Messaging Application Programming Interface
RF Message Transfer

ID: msg-canned-msg-reply **Assigned To:** SAE **Counter:** 174

Brief Description: Send canned message from PMU
Detailed Description: While reading a message on a PMU, a subscriber may pick one of the canned messages to send back to the original message sender.

Issues Description:
Source: **Issues:** No
Subsystems: **Reference:**

ID: msg-comment **Assigned To:** SAE/CEI **Counter:** 175

Brief Description: Add message comment
Detailed Description: Provide the capability for a subscriber to add a voice or text comment to a redirected message. A transaction shall be generated when this feature is invoked.

Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

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Master Terminal
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Operator Dispatch
Transaction Management

ID: msg-deferred-delivery-cancel **Assigned To:** CEI **Counter:** 184

Brief Description: Cancel deferred delivery

Detailed Description: Destineer shall provide the originator of a message with the capability to cancel delivery of a previously submitted message that has been marked for deferred delivery. Cancellation has to be requested at least N minutes prior to the time and date of the deferred delivery.

Issues Description: Is this a good requirement? What is the value of N?

Source: cei-jdg **Issues:** Yes

Subsystems: **Reference:** SRI-5.7.1.2.a.iv, BB-p61-B.20

ID: msg-deferred-delivery-limit **Assigned To:** SAE/CEI **Counter:** 185

Brief Description: deferred delivery limit

Detailed Description: The date and time of delivery must be within a predetermined delta T which will be a system-defined parameter.

Issues Description:

Source: mtel-jws **Issues:** No

Subsystems: **Reference:** SRI-3.3.1.a.i

Application Message Transfer
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Core Messaging
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Destineer Access For MS Windows
Integrated Network Management
Interactive Voice Response User Interface
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Messaging Application Programming Interface
Operator Dispatch
Transaction Management

ID: msg-define-alternate-delivery **Assigned To:** **Counter:** 186

Brief Description: Define alternate delivery address for messages

Detailed Description: The system shall provide the capability to define the alternate delivery address for each classification of message.

Issues Description:

Source: **Issues:** No

Subsystems: **Reference:** issue2 , page 4 , DRI 2/25/94

Application Message Transfer
Character User Interface
Core Messaging
Data Management
Destineer Access for Mac
Destineer Access For MS Windows
Master Terminal
Operator Dispatch

ID: msg-define-escalation-hierarchy **Assigned To: CEI** **Counter: 187**

Brief Description: Define escalation hierarchy for messages

Detailed Description: A subscriber shall be able to define an escalation hierarchy for delivery of each classification of messages. The hierarchy is made up of an ordered list of N items (address, alias, or distribution list, where N is system configurable). The subscriber will be able to define a duration (hours, minutes, and seconds) within which a receipt notification(s) must be received or the message is escalated, e.g., the message is sent to the next item in the list. The subscriber may also define how many (default of one) receipt notifications must be received within the duration specified to prevent escalation of the message. A transaction shall be generated each time a message is sent out and a receipt notification is received.

Issues Description:

Source: cei-gws **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i, SR1-5.2.2.1.a

Application Message Transfer
Character User Interface
Core Messaging
Data Management
Destineer Access for Mac
Destineer Access For MS Windows
Master Terminal
Operator Dispatch

ID: msg-delete **Assigned To: CEI/SAE** **Counter: 188**

Brief Description: Automatic and manual message purging

Detailed Description: A subscriber shall be able to manually delete messages from his/her mailbox and have them automatically deleted based on class of service retention times. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.3.2.b.b, IVRF CFM-2.7

Application Message Transfer
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Core Messaging
Data Management
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Messaging Application Programming Interface
Operator Dispatch

ID: msg-delivery-acknowledgement **Assigned To: CEI** **Counter: 189**

Brief Description: Msg delivery acknowledgement

Detailed Description: Send a delivery acknowledgement to a subscriber when the message is successfully delivered to the recipient. A transaction shall be generated when this feature is invoked.

Issues Description: When is message status triggered for a multi-destination message? Can the originator request notification on, for example, a per-recipient basis?

Source: cei-jdg **Issues:** Yes
Subsystems: **Reference:** SR1-3.3.1.a.i, BB-p61-B.21

X.400 Mail Transfer

ID: msg-delivery-cancel **Assigned To:** SAE/CEI **Counter:** 190

Brief Description: Cancel a message being delivered.

Detailed Description: A service will be provided to cancel the delivery of a message. If the delivery is waiting to retry, all retries will be aborted. If the delivery is in progress, then the transmission of the message will be terminated.

Issues Description:

Source: nps-cei **Issues:** No
Subsystems: **Reference:** Mtel Verbal

Business Support System Interface
Character User Interface
Core Messaging
Destineer Access for Mac
Destineer Access For MS Windows
Interactive Voice Response User Interface
Master Terminal
Messaging Application Programming Interface
Operator Dispatch
RF Message Transfer
Subsystem Field9 Release Notes
X.400 Mail Transfer

ID: msg-delivery-retry **Assigned To:** SAE/CEI **Counter:** 191

Brief Description: Retry delivery of a message

Detailed Description: The NOC must be able to resend messages that have not been delivered as specified by a service-specific retry algorithm.

Issues Description:

Source: mtel-jws **Issues:** No
Subsystems: **Reference:** SR1-5.3.1.a.ii

Application Message Transfer
Core Messaging
Data Management
EDI Message Transfer
Interactive Voice Response User Interface
International Message Transfer
RF Message Transfer
X.400 Mail Transfer

ID: msg-delivery-selected-to-address **Assigned To:** **Counter:** 192

Brief Description: Deliver messages from selected originators to a specified address.

Detailed Description: Destineer shall provide the capability for a subscriber to specify that messages originating from a specific subscriber or list of subscribers be delivered to a designated address. The system shall allow a configurable number of selections per message classification per subscriber.

Issues Description:

Source: cet **Issues:** No
Subsystems: **Reference:** CET RR 1/25/95

Application Message Transfer
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Messaging Application Programming Interface
Operator Dispatch

ID: msg-document-name **Assigned To:** CEI **Counter:** 193

Brief Description: Give a message a document name

Detailed Description: A subscriber shall be able to create/edit/delete one voice name and/or one text name associated with a filed message.
A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i

Application Message Transfer
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Data Management
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Master Terminal
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Operator Dispatch
Transaction Management

ID: msg-document-number **Assigned To:** CEI/SAE **Counter:** 194

Brief Description: Assign document-number to a message

Detailed Description: A subscriber shall be able to assign an optional document number to a filed message. A document number is unique within each subscriber's mailbox. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i

Application Message Transfer
Character User Interface
Core Messaging
Data Management
Destineer Access for Mac
Destineer Access For MS Windows
Interactive Voice Response User Interface
Master Terminal
Messaging Application Programming Interface
Operator Dispatch

ID: msg-extended-delivery **Assigned To:** SAE **Counter:** 195

Brief Description: extended delivery of a message
Detailed Description: Destineer shall provide a service called Extended Delivery for RF transmissions. Extended delivery is the automatic characterization of a message as low priority based on message length. The message will be held for a predetermined minimum hold time. The message will be treated as normal after a maximum hold time passes ONLY if system loading permits.
Issues Description: FPK will resolve issues.
Define "extended delivery".
How does extended delivery interact with priority?
What is the criteria for selecting a message for extended delivery?
Is it after some minimum hold time?
Is it after the system falls below some load level? What part of the system must fall below a certain load level?
Is it before a max hold time?
Source: mtel-jws **Issues:** Yes
Subsystems: **Reference:** SR1-3.3.1

ID: msg-extended-delivery-classify **Assigned To:** CEI **Counter:** 196

Brief Description: automatically classify messages as extendend delivery
Detailed Description: Incoming messages will be examined to determine if they should be sent as extendend delivery. The decision will be based upon message length. Each subscriber authorized for extended delivery will have maximum message length for normal messages. Messages longer than this maximum will automatically be classified as extended delivery.
Issues Description: FPK will resolve issues. See related msg-extended-delivery.
Source: mtel-jms **Issues:** Yes
Subsystems: **Reference:** SR1-3.3.1.a UMS 3.0

ID: msg-file **Assigned To:** CEI/SAE **Counter:** 197

Brief Description: File a msg message
Detailed Description: A subscriber shall be able to store a filed message long term with an optional document number, optional document name, and optional voice annotation.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

Application Message Transfer
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ID: msg-forward

Assigned To: CEI

Counter: 198

Brief Description: Forward a message with no copy

Detailed Description: A subscriber shall be able to forward a message to a PIN. The subscriber who forwards his messages is referred to as the initiating subscriber. When a subscriber forwards his messages to another subscriber, a message similar to the following message is delivered to the new recipient's PIN: "MESSAGES WILL BE FORWARDED FROM name/PIN xxxxxx". When forwarding is cancelled by the initiating subscriber or by customer service, a message similar to the following message is sent to the former destination PIN: "MESSAGE FORWARDING FROM name/PIN xxxxxx CANCELED". The initiating subscriber does not get a copy of any of the messages while the forwarding is in effect. If a subscriber attempts to forward his messages to another subscriber who has his PIN forwarded or has disallowed delivery of forwarded messages, the initiating subscriber has forwarding to that PIN immediately cancelled and receives a message similar to the following message: "FORWARDING TO PIN xxxxxx CURRENTLY NOT ALLOWED". A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cei-jdg

Issues: Yes

Subsystems:

Reference: SR1-3.3.1.a.i, IVRFCFM-2.5

Application Message Transfer
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Core Messaging
Data Management
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Destineer Access For MS Windows
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Messaging Application Programming Interface
Operator Dispatch

ID: msg-forward-hide

Assigned To: SAE/CEI

Counter: 199

Brief Description: Blind message forward

Detailed Description: A subscriber may prevent originators from knowing that messages to the subscriber are being forwarded to another subscriber.

Issues Description:

Source: cet

Issues: No

Subsystems:

Reference:

Application Message Transfer
Character User Interface
Core Messaging
Data Management
Destineer Access for Mac
Destineer Access For MS Windows
Destineer Access for Xwindows
Interactive Voice Response User Interface
Master Terminal
Messaging Application Programming Interface
Operator Dispatch

ID: msg-forward-indicate

Assigned To: CEI

Counter: 200

Brief Description: Indicate forwarding of a message.

Detailed Description: Each message forwarded with or without autocopy from a subscriber to another subscriber will include an indication that the message was forwarded and from whom. The initiating subscriber will be identified by PIN and name.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i, IVRFCFM-2.5

Application Message Transfer
Character User Interface

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MTEL1212327

Core Messaging
Data Management
Destineer Access for Mac
Destineer Access For MS Windows
Destineer Access for Xwindows
Interactive Voice Response User Interface
Master Terminal
Messaging Application Programming Interface
Operator Dispatch

ID: msg-forward-selected **Assigned To:** **Counter:** 201

Brief Description: Forward messages from selected originators.

Detailed Description: Destineer shall provide the capability for a subscriber to automatically forward (autocopy or forward with no copy) messages originating from a specific subscriber or list of subscribers to another subscriber's mailbox. The system shall allow a configurable number of selections per message classification per subscriber.

Issues Description:

Source: cet **Issues:** No
Subsystems: **Reference:** CET RR 1/25/95

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ID: msg-hold-auto-release **Assigned To:** CEI **Counter:** 202

Brief Description: Release messages from HOLD and deliver messages

Detailed Description: A subscriber may place a classification of message on hold for a specified duration. The system must have the ability to return to service a classification of messages whose hold duration has expired. The system must then deliver messages that are on hold.

Issues Description: Should hold be for classifications of messages or for services? Do we want to hold delivery of text, voice, fax, binary, or mixed messages or do we want to hold delivery of all messages in a mailbox to email, fax, voice, or wireless outbound services? This requirement is written to hold classifications of messages not services.

Source: mtel-bms **Issues:** Yes
Subsystems: **Reference:** SR1-3.3.1.a.i

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ID: msg-hold-delivery **Assigned To: CEI** **Counter: 203**

Brief Description: Hold delivery of messages

Detailed Description: A subscriber shall be able to place delivery of incoming messages of a specific classification on hold until the subscriber releases them or until the hold time expires. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

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ID: msg-hold-manual-release **Assigned To: CEI** **Counter: 204**

Brief Description: Manually release messages from hold

Detailed Description: The subscriber has the option to tell the system to remove a classification of message from hold. When this occurs, the NOC must then send messages which have been waiting. This function will override any automatic release from hold.

Issues Description:

Source: mtel-bms **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

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ID: msg-input-never-busy **Assigned To: CEI** **Counter: 205**

Brief Description: Never busy msg input

Detailed Description: Destineer will be capable of supporting a "never busy" input method for a subscriber. For the fax service this equates to "never busy fax".

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i, IVR Fax Call Flow Manual-1.0

Application Message Transfer
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X.400 Mail Transfer

ID: msg-mark-confidential **Assigned To: CEI** **Counter: 206**

Brief Description: Mark message as confidential.
Detailed Description: A subscriber shall be able to designate a message as confidential. A confidential message can not be forwarded to another Destineer subscriber. This requirement will not be supported by SMTP email. Confidential messages can be sent to an external address.

Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i. BB-p60-B.10 (BB=Blue Book)

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X.400 Mail Transfer

ID: msg-mark-for-delivery **Assigned To: CEI** **Counter: 207**

Brief Description: Mark message for delivery
Detailed Description: A subscriber shall be able to mark a message for delivery from his mailbox.

Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a SR1-5.2.2.1.a

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ID: msg-mbox **Assigned To: CEI** **Counter: 208**

Brief Description: Mailbox for each subscriber
Detailed Description: Each subscriber will have a message mailbox (message store). Each mailbox will have an associated identification number and a security code. Each mailbox will contain:
held messages
deferred delivery messages
deleted (but not yet purged) messages
new messages
messages saved by the subscriber using the "file" command. Each filed message can be given a document number (optional), a document name (optional), and a voice or text annotation (optional).

Issues Description: Are multiple types of message in a mailbox supported? Yes
Is the mailbox model presented in the User Interface?
Source: cei-jdg **Issues:** Yes
Subsystems: **Reference:** SR1-3.3.1.a.i. UMS X.400 Email System (Features and Functions)

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RF Message Transfer
SMTP Mail Transfer
X.400 Mail Transfer

ID: msg-non-delivery-ack **Assigned To:** SAE **Counter:** 209

Brief Description: Send non-delivery acknowledgement for a message

Detailed Description: A non-delivery acknowledgement shall be sent to the originator when the originator's non-delivery acknowledgement delay time expires. The originator sets the desired non-delivery acknowledgement delay in his subscriber profile. A transaction shall be generated when this feature is invoked. Non-subscribers will be able to determine non-delivery acknowledgments by checking on message status.

Issues Description: What is the desired content of the system ack message.

Source: cei-jdg

Issues: Yes

Subsystems:

Reference: SR1-3.3.1.a.i, SR1-5.3.1

Core Messaging
Data Management

ID: msg-non-delivery-ack-notification **Assigned To:** CEI **Counter:** 210

Brief Description: Notification of non-delivery ack

Detailed Description: Destineer shall be able to send a notification to tell the recipient that a non-delivery acknowledgement message has been received. The notification shall be sent to the address specified in the subscribers delivery table. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i

Core Messaging
Data Management

ID: msg-non-subscriber **Assigned To:** SAE/CEI **Counter:** 211

Brief Description: Destineer shall be able to send messages to non-subscribers.

Detailed Description: Destineer shall send messages and replies to subscribers and non-subscribers. Non-subscribers can receive messages if connected to Destineer via a public phone system or private network (e.g., email). Message can be sent to non-subscriber via outdial voice phone system, fax or email if the correct address (phone number) is known.

Issues Description:

Source: sae-jmc

Issues: No

Subsystems:

Reference: SR1-5.1.1.2

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Fax Message Transfer

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Operator Dispatch

ID: msg-priority **Assigned To:** SAE **Counter:** 216

Brief Description: message priority
Detailed Description: The NOC must be able to prioritize messages as urgent, normal, or low priority. Urgent messages should be queued and processed, at all stages, before normal messages. Low-priority messages should be queued and processed after normal messages. Priority is determined by grade of service purchased by a subscriber. Subscribers must be able to purchase low, normal, or high priority service as a default message type. Low priority messages will be held for a predetermined time to normalize service expectations. All extended deliver messages are low priority.
Issues Description: FPK will rewrite.
Assigned to all, must be broken out into composite requirements during further analysis and design.
How does this interact with extended delivery? - None, extended deliver is another service (FPK)
Source: mtel-jws **Issues:** Yes
Subsystems: **Reference:** SR1-5.2.6

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MHS Mail Transfer
Operator Dispatch
RF Message Transfer
X.400 Mail Transfer

ID: msg-priority-override **Assigned To:** SAE **Counter:** 217

Brief Description: Message sender can override default priority for a message.
Detailed Description: The message priority is set by the subscriber recipient of the message. If, however, the message sender is a subscriber and wishes to send a message at a higher priority, the NOC should send the message at the high priority.
A transaction is generated for the sender for the service.
Issues Description: Guys, ETC to research the "real" requirement here.
Source: mtel-jws **Issues:** Yes
Subsystems: **Reference:** SR1-5.3.1 BKM

ID: msg-read-ack-notification **Assigned To:** CEI **Counter:** 218

Brief Description: Notify originator that read ack has arrived
Detailed Description: A subscriber shall be able to configure his/her profile so that an arrival notification message is sent when a read acknowledgement is received. A transaction shall be generated when this option is invoked.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

Core Messaging
Data Management

ID: msg-read-acknowledgment **Assigned To:** **Counter:** 219

Brief Description: Send read acknowledgement for a message
Detailed Description: A read-acknowledgment shall be sent to the originator, when the message is read by the recipient. A non-subscriber shall be able to obtain a read acknowledgement by checking on message status. Read acknowledgement is requested on a per-message basis.

Issues Description:
Source: mtel-jjh **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i, SR1-5.1.1.1.b.iii

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ID: msg-receive **Assigned To:** CEI **Counter:** 220

Brief Description: Accept new message
Detailed Description: Accept a message and store as a new message for the subscriber. A transaction shall be generated when this feature is invoked.

Issues Description: Define what classification of message each service can receive.
Fax - fax, (binary)
Email - text, voice, fax, binary, mixed
AMT - text, voice, fax, binary, mixed
Wireless - text, binary
IVR UI - text, voice, fax

Source: cei-jdg **Issues:** Yes
Subsystems: **Reference:** SR1-3.3.1.a.i

Application Message Transfer
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Data Management
EDI Message Transfer
Fax Message Transfer
Interactive Voice Response User Interface
International Message Transfer
MHS Mail Transfer
SMTP Mail Transfer
Transaction Management
X.400 Mail Transfer

ID: msg-receive-timeout **Assigned To:** CEI **Counter:** 221

Brief Description: The system will have message receive timeouts.
Detailed Description: The system will terminate any phone call that exceeds the subscriber's maximum message session timeout value.

Issues Description:
Source: cei-nps **Issues:** No
Subsystems: **Reference:**

ID: msg-redirect **Assigned To: CEI/SAE** **Counter: 222**

Brief Description: Redirect a message

Detailed Description: A subscriber shall be able to redirect(Mtel) a message to another subscriber, distribution list, or external address. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SRI-3.3.1.a.i

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ID: msg-release-held-messages **Assigned To: CEI** **Counter: 223**

Brief Description: Release held messages

Detailed Description: A subscriber shall be able to release his held messages on a classification by classification basis.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SRI-3.3.1.a.i

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Transaction Management

ID: msg-reply **Assigned To: CEI** **Counter: 224**

Brief Description: Reply to a message

Detailed Description: A subscriber shall be able to send a reply to a message. The behavior of a reply message is identical to a new message except that there is an association between the reply message and the message being replied to. Non-subscribers can receive replies using the claim check mechanism.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SRI-3.3.1.a.i

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Master Terminal
Messaging Application Programming Interface
Operator Dispatch
Transaction Management

ID: msg-request-delivery ack **Assigned To: CEI** **Counter: 225**

Brief Description: Request delivery acknowledgement
Detailed Description: A subscriber shall be able to request a delivery acknowledgement message.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

Application Message Transfer
Character User Interface
Core Messaging
Data Management
Destineer Access for Mac
Interactive Voice Response User Interface
Messaging Application Programming Interface
Operator Dispatch
RF Message Transfer
Transaction Management
X.400 Mail Transfer

ID: msg-request-non-delivery-ack **Assigned To: CEI** **Counter: 226**

Brief Description: Request non-delivery acknowledgement
Detailed Description: The originator of a message shall be able to request the system to send the originator a non-delivery acknowledgement message.
Issues Description: External email systems do not support the Destineer concept of timed non-delivery acks.
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

Application Message Transfer
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Master Terminal
Messaging Application Programming Interface
Operator Dispatch
Transaction Management

ID: msg-request-not-read-ack **Assigned To: CEI** **Counter: 227**

Brief Description: Request message not-read acknowledgement
Detailed Description: The originator of a message shall be able to request Destineer to send the originator a not-read acknowledgement message if the recipient does not read the message within a specified time delay.
Issues Description: How do you specify the time delay for a non-subscriber? The user interface could prompt for it. Is this a real requirement? Yes per Denish 8/23/93
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.ii

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Operator Dispatch
X.400 Mail Transfer

ID: msg-request-read-ack **Assigned To:** CEI **Counter:** 228

Brief Description: Request read acknowledgement
Detailed Description: The originator of a message shall be able to request the system send the originator a read acknowledgement message.
Issues Description:
 Source: cei-jdg **Issues:** No
 Subsystems: **Reference:** SR1-3.3.1.a.i

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Transaction Management

ID: msg-retrieve **Assigned To:** CEI **Counter:** 229

Brief Description: Retrieve a message
Detailed Description: A subscriber shall be able to read his new or filed messages. A transaction shall be generated when this feature is invoked.
Issues Description:
 Source: cei-jdg **Issues:** No
 Subsystems: **Reference:** SR1-3.3.1.a.i

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ID: msg-routing-to-agents **Assigned To: SAE** **Counter: 233**

Brief Description: Route messages to correct agent

Detailed Description: Any message can be sent to a variety of services (FAX, Email, buying services, etc.). Based on the type of message content and the recipients subscriber profile, the system must decide which service will handle each message. Then, it must pass the message to the agent for that service.
NOTE: Non-subscribers do not have profiles, the message type determines what service will handle the message.

Issues Description: FPK will rewrite the requirement.

Source: mtel-bms **Issues:** Yes

Subsystems: **Reference:** SA1-5.1, SA2-1.3.1, SR1-5.1.1.4.b, SR1-5.1.1.7, SR1-5.3.1, SR1-5.3.4.c

Agent Transfer
Core Messaging
Data Management

ID: msg-selected-delivery **Assigned To: CEI** **Counter: 234**

Brief Description: Send selected messages

Detailed Description: A subscriber shall be able to send selected messages to a specified address (e.g. all new messages to default fax number).

Issues Description: This is different from the current system - what is the real requirement?

Source: cei-jdg **Issues:** No

Subsystems: **Reference:** SR1-3.3.1.a.i

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ID: msg-selected-delivery-auto **Assigned To: CEI** **Counter: 235**

Brief Description: Deliver selected messages to a specific address

Detailed Description: A subscriber shall be able to automatically deliver selected messages (based on the originator of a message only) to a specific address. A transaction shall be generated when this feature is invoked.

Issues Description: May messages be forwarded to another subscriber's PMU? If so what are the restrictions (default could be to disallow forwarding of messages to a PMU)?
How are forwarded messages selected? Yes per Dinesh 8/23/93

Source: cei-jdg **Issues:** Yes

Subsystems: **Reference:** SR1-5.1.1.3.NWN Email-p2, IVRFCFM-2.5

ID: msg-send **Assigned To: CEI** **Counter: 236**

Brief Description: Send a message

Detailed Description: A subscriber shall be able to send messages to an external address (fax number, email address, or voice phone number) or to a distribution list or to a subscriber PIN. A nonsubscriber shall be able to send a message to a PIN only.

Issues Description:

Source: cei-jdg **Issues:** No

Subsystems: **Reference:** SR1-3.3.1.a.i, IVR Fax Call Flow Manual-2.4

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CC: Mail Transfer
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MHS Mail Transfer
MS Mail Transfer
Operator Dispatch
RF Message Transfer
SMTP Mail Transfer
X.400 Mail Transfer

ID: msg-sender-id **Assigned To:** CEI **Counter:** 237

Brief Description: Add sender id to a message
Detailed Description: Allow a user to add an alphanumeric or numeric sender id to a message.
Issues Description: Is the sender id delivered with the outbound message? If so, define the message format requirement for each outbound service.
Source: cei-jdg **Issues:** Yes
Subsystems: **Reference:** SR1-3.3.1.a.i

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ID: msg-service-broadcast **Assigned To:** CEI **Counter:** 238

Brief Description: Broadcast message to subscribers with specific service.
Detailed Description: A service shall be provided which will allow broadcasting a message to all subscribers who have a particular messaging service. A transaction shall be generated when this feature is invoked.
Issues Description: For Mtel: Is this a real requirement? For System Operator or Customer Service or both?
Source: cei-jdg **Issues:** Yes
Subsystems: **Reference:** SR1-3.3.1.a.v

Application Message Transfer
Core Messaging
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Master Terminal
Messaging Application Programming Interface
RF Message Transfer

ID: msg-status **Assigned To: SAE/CEI** **Counter: 239**

Brief Description: Provide on-line message status

Detailed Description: A message sender (including non-subscribers), must be able to query the system for the current status of a message. Status may be returned as successful/unsuccessful delivery, read/unread, or may include a message reply from the recipient. This is an authorized service on a subscriber basis. A subscriber can disallow reporting of status for messages addressed to him/her. The possible statuses of message may be different for each message type (i.e., FAX does not offer a read status).

Issues Description:

Source: cet

Issues: No

Subsystems:

Reference: SR1-5.3.1

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ID: msg-status-cfg **Assigned To: CEI/SAE** **Counter: 240**

Brief Description: Configure message number for status checking

Detailed Description: A subscriber shall be able to configure a message number with between two and seven digits.

Issues Description:

Source: OP

Issues: No

Subsystems:

Reference: CET

ID: msg-status-cfg-store **Assigned To: SAE** **Counter: 241**

Brief Description: Store configurable message number

Detailed Description: Store the subscriber configurable message number (between two and seven digits) in the subscriber profile.

Issues Description:

Source:

Issues: No

Subsystems:

Reference:

ID: msg-status-check **Assigned To: SAE/CEI** **Counter: 242**

Brief Description: Denote whether or not the message status has been queried.

Detailed Description: Destineer shall be able to determine whether or not the status of a message has been checked by a user.

Issues Description:

Source: cet

Issues: No

Subsystems:

Reference: CET

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ID: msg-status-check-allow **Assigned To:** **Counter: 243**

Brief Description: Allow checking of message status

Detailed Description: A subscriber shall be able to allow or disallow checking the status for messages addressed to the subscriber.

Issues Description:

Source: **Issues:** No
Subsystems: **Reference:**

ID: msg-status-reporting-auto **Assigned To:** **Counter: 244**

Brief Description: Automatically report message status at specified events.

Detailed Description: Destineer shall provide the capability for a caller to automatically obtain status information on a message at any or all of the following events associated with a message:

- 1) successful delivery to the primary or alternate delivery address,
- 2) message read by the recipient,
- 3) reply received by the NOC from any of the recipients,
- 4) after a caller specified elapsed time from the time the message was sent by the caller.

Message status reporting must not report delivery or read acknowledgment information blocked by subscribers. The caller shall have the capability to address the message status information to a fax or voice phone number, email address, or subscriber PIN. Note: Auto claim check redemption is now referred to automatic message status reporting.

Issues Description:

Source: cet **Issues:** No
Subsystems: **Reference:** CET RR 1/25/95

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ID: msg-status-reporting-manual **Assigned To:** **Counter: 245**

Brief Description: Report message status when requested.

Detailed Description: Destineer shall provide the capability for a caller to obtain status information on a message by providing the message number and one of the addressed PINs. Status information shall consist of the time the message was delivered to the primary or alternate delivery address of each recipient, time the message was read by each recipient, and all replies received from the recipients. Message status reporting must not report delivery or read acknowledgment information blocked by subscribers.

Issues Description:

Source: cet **Issues:** No
Subsystems: **Reference:** CET RR 1/25/95

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Messaging Application Programming Interface
Operator Dispatch

ID: msg-track-end-to-end **Assigned To:** SAE **Counter:** 246

Brief Description: End to end message tracking
Detailed Description: Destineer shall generate and maintain message tracking data for a message, from origination to message delivery, including any requested acknowledgements and associated replies.

Issues Description:
Source: mtel-jjh **Issues:** No
Subsystems: **Reference:** SR1-5.3.1,Mtel design team decision, SR1-5.2.1.c

ALL

ID: msg-type **Assigned To:** **Counter:** 247

Brief Description: Can support various message types.
Detailed Description: Destineer shall support the following minimum set of message types: fax, text (including numeric), voice, mixed, binary, and video. Note that e-mail is not a message type. (There is no delivery table option for e-mail).

Issues Description:
Source: **Issues:** No
Subsystems: **Reference:**

ID: msg-addressing **Assigned To:** **Counter:** 248

Brief Description: Provide capability for TO, CC, BCC, reply, delivery ack & read ack addresses.
Detailed Description: Destineer shall provide the capability for a user to address messages as follows:

- Primary address (referred to as the "TO" address), a list of addresses to which the message is to be delivered.
- Copy address (referred to as the "CC" address), a list of addresses to which a copy of the message is to be delivered.
- Blind [carbon] copy address (referred to as the "BCC" address), a list of addresses to which a copy of the message is to be delivered. The BCC list of addresses is not available for review by primary or copy addressees.
- Reply address, a list of addresses to which any replies to the message are to be delivered.
- Delivery ack address, a list of addresses to which all delivery acknowledgements associated with the message are to be delivered.
- Read ack address, a list of addresses to which all read acknowledgements associated with the message are to be delivered.

Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** CET RR 1/25/95

ID: multi-lingual-general **Assigned To:** CEI **Counter:** 249

Brief Description: General requirement for multi-lingual capabilities.
Detailed Description: There shall be no dependencies on English for the operation of Destineer. Support for different languages using the same function in parallel shall be provided. All on-line documentation, operational screens, error messages, help messages, etc., must be easily replaced by another language. NO HARDCODED TEXT. All text must be isolated into modules or files. The meaning of the messages must be clearly documented to aid in translation.

Issues Description:
Source: mtel-bms **Issues:** No
Subsystems: **Reference:** SR1-3.5.2.2 SR1-3.5.1.2.c

ID: multi-lingual-operator-static **Assigned To: SAE/CEI** **Counter: 250**

Brief Description: Operator interface available in variety of languages.

Detailed Description: All text seen by the operations and support personnel (on-line documentation, operator screens, error messages, help messages, logs, reports, etc.) must be available in all supported languages. The language of preference will be shipped with the system. There is currently no requirement to allow the operations and support personnel to change the language once the system is installed. However, as the system is designed, the team should see if it is feasible to provide an alternate language on operation screens on selected monitors. For instance, Canada might prefer a system where selected customer service operators would look at screens in French rather than English.

Issues Description:

Source: mtel-bms

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i, SR1-3.3.3.a.i, SR1-3.5.1.2, SR1-3.5.2.2

ID: multi-lingual-user-dynamic **Assigned To: CEI** **Counter: 251**

Brief Description: User interface switched to user's preferred language

Detailed Description: A user may hear or view prompts in a language other than the selected language of the host country. The system shall support automatic switching based on entered PIN or via a menu selection made by the user. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: mtel-bms

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i, SR1-3.3.3.a.i, SR1-3.5.1.2, SR1-3.5.2.2

ID: multi-lingual-user-static **Assigned To: CEI** **Counter: 252**

Brief Description: User interface defaults to local language.

Detailed Description: All user prompts must be available in all supported languages. The language of preference will be shipped with the system.

Issues Description:

Source: mtel-bms

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i, SR1-3.3.3.a.i, SR1-3.5.1.2, SR1-3.5.2.2

ID: multicast-to-group **Assigned To: SAE** **Counter: 253**

Brief Description: Multicast to a group of subscribers

Detailed Description: The system shall be able to multicast messages to a group of subscribers.

Issues Description:

Source:

Issues: No

Subsystems:

Reference: SR1-5.3.8.d

RF Message Transfer

ID: network-alarm **Assigned To: SAE/CEI** **Counter: 254**

Brief Description: Post alarms to warn of impending problems

Detailed Description: Destineer shall post alarms when specified performance parameters are predicted to be out of tolerance within a specified warning time.

Issues Description:

Source: cct

Issues: No

Subsystems:

Reference:

ID: network-alarm-classification **Assigned To:** **Counter: 255**

Brief Description: alarm message severity levels

Detailed Description: The system shall classify alarms into severity levels (e.g., critical, major, minor, warning or clear).

Issues Description:

Source: OP

Issues: No

Subsystems: **Reference:** SR1-5.4.1.b-1

Data Management

Integrated Network Management

ID: network-alarm-diagnosis **Assigned To: CEI** **Counter: 256**

Brief Description: Automatically diagnose fault from alarms

Detailed Description: The system shall automatically diagnose faults based on patterns of alarms and previous experience. Fault diagnosis will be resolved to the lowest level possible, limited by the ability of Destineer devices to generate informative alarms and perform effective diagnostic tests.

Issues Description:

Source: cet

Issues: No

Subsystems: **Reference:** SR1-5.4.1.f-2

Data Management

Integrated Network Management

ID: network-alarm-display **Assigned To: CEI** **Counter: 257**

Brief Description: Display alarms at operator console

Detailed Description: Operator-selected filtered alarms shall be displayed to the system operator.

Issues Description:

Source: cet

Issues: No

Subsystems: **Reference:** SR1-5.4.1.b, SR1-5.4.3, SR1-5.4.4

Data Management

Integrated Network Management

ID: network-alarm-fault-correlation **Assigned To: CEI** **Counter: 258**

Brief Description: Correlate alarms received to alarm cause

Detailed Description: The system shall correlate alarms with faults based on previous experience.

Issues Description:

Source: cet

Issues: No

Subsystems: **Reference:** SR1-5.4.1.f-1

Data Management

Integrated Network Management

ID: network-alarm-log **Assigned To: CEI** **Counter: 259**

Brief Description: Log alarm messages

Detailed Description: The system shall log alarm messages.

Issues Description:

Source: cet

Issues: No

Subsystems: **Reference:** SR1-5.4.1.b-2

Integrated Network Management

Transaction Management

ID: network-alarm-log-content **Assigned To: CEI** **Counter: 260**

Brief Description: Alarm log data contents
Detailed Description: Logged alarm data shall include the alarm severity level, time stamp, device identifier and TBD.
Issues Description: Get latest log content from Andy.
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.4.1.c-1

Integrated Network Management

ID: network-alarm-monitor **Assigned To: CEI** **Counter: 261**

Brief Description: Monitor all alarms from all devices
Detailed Description: The system shall monitor alarms from all Destineer devices able to generate alarms. Alarms from remote devices are assumed to be transported by SNMP protocol. Alarms from NOC-local devices may be SNMP or other interface protocol.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.4.1.a-1

Integrated Network Management

ID: network-alarm-notification **Assigned To: CEI** **Counter: 262**

Brief Description: Personnel notified when alarms occur
Detailed Description: The system shall notify system operators based on the evaluation of fault severity and predefined escalation procedures.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.4.1.c-2

Integrated Network Management

ID: network-analyze_data **Assigned To: CEI** **Counter: 263**

Brief Description: Analyze performance data
Detailed Description: Destineer shall support the ability to analyze and display performance data and statistics, especially with respect to traffic reliability (BER) and resource usage statistics.
Issues Description: Note that we anticipate analysis will be performed using an analysis tool such as SAS based on data obtained through the API. Only minimal simple trend analysis for advance fault warning will be performed directly by online FM subsystem.
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.4.3.c-3, SR1-5.4.3.d, SR1-5.5.4.d

ID: network-api-pm **Assigned To: CEI** **Counter: 264**

Brief Description: Provide API for performance data
Detailed Description: The PM function shall provide an API for performance data and statistics (This allows interfacing to a trending or data analysis tool for growth predictions and network modelling) and for supporting offline requests for performance data.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.4.3.f, SR1-5.3.8.c

ID: network-archive **Assigned To: CEI/SAE** **Counter: 265**

Brief Description: Archive performance data
Detailed Description: Destineer shall store performance data to the performance archive.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** CET

ID: network-auto-recovery **Assigned To: CEI/SAE** **Counter: 266**

Brief Description: Activate redundant equipment

Detailed Description: As a design goal, Destineer shall provide the capability to activate available redundant hardware and software without a perceived interruption of service.

Issues Description:

Source: cet

Issues: No

Subsystems:

Reference: SR1-5.2.4.h-2

ALL

Integrated Network Management

ID: network-br-location **Assigned To: CEI** **Counter: 267**

Brief Description: The base receiver location will be known

Detailed Description: Destineer configuration database shall contain data to define locations of BRs.

Issues Description:

Source: cet

Issues: No

Subsystems:

Reference: SR1-5.6.1.a.2

ID: network-cm-interface **Assigned To: CEI** **Counter: 268**

Brief Description: Monitor serviced devices

Detailed Description: The system operator shall be able to monitor the state of devices.

Issues Description:

Source: cet

Issues: No

Subsystems:

Reference: SR1-5.4.1.i-11

Integrated Network Management

ID: network-component-switchover **Assigned To: CEI** **Counter: 269**

Brief Description: Automatically or manually switch control components

Detailed Description: The system shall be able to automatically or manually switch control between redundant network components.

Issues Description: What is the max acceptable time to switchover in case of a failure? Is it "no perceived impact on user" time? Define what constitutes a successful switchover.

Source: cet

Issues: Yes

Subsystems:

Reference: SR1-5.2.4.h,g

Application Management

Data Management

Integrated Network Management

Master Terminal

ID: network-configure-fault-condition **Assigned To: CEI** **Counter: 270**

Brief Description: Configurable fault conditions

Detailed Description: The system operator shall be able to specify the attribute thresholds that indicate fault conditions.

Issues Description:

Source: cet

Issues: No

Subsystems:

Reference: SR1-5.4.1.b-3

Data Management

Integrated Network Management

Master Terminal

ID: network-control-initialization **Assigned To: CEI/SAE** **Counter: 271**

Brief Description: Initialize all or part of the system

Detailed Description: The system shall provide the capability to initialize operations in all or part of the network

Issues Description:

Source: cet

Issues: No

Subsystems:

Reference: SR1-5.4.2.c

ALL

ID: network-control-maintenance-on- **Assigned To:** **Counter: 272**

Brief Description: Network control shall support upgrades and maintenance

Detailed Description: The system shall allow network control on a on-demand basis to support hardware or software maintenance or upgrades without interrupting network service. The NOC and its software shall be configured so that on-demand maintenance of on-line components will not result in any perceivable loss of service to a zone or an individual subscriber. In other words, the maximum on-demand down time for the NOC (e.g., for system upgrades) shall be zero.

Issues Description:

Source:

Issues: No

Subsystems:

Reference:

ALL

ID: network-control-maintenance-sch **Assigned To:** **Counter: 273**

Brief Description: Network control shall support scheduled upgrades and maintenance

Detailed Description: The system shall allow network control on a scheduled basis to support hardware or software maintenance or upgrades without interrupting network service. The NOC and its software shall be configured so that scheduled maintenance of on-line components will not result in any perceivable loss of service to a zone or an individual subscriber. In other words, the maximum scheduled down time for the NOC (e.g., for system upgrade) shall be zero.

Issues Description: Is the system required to support scheduled, but "unattended", upgrades?

Source:

Issues: Yes

Subsystems:

Reference:

ALL

ID: network-control-reset-default **Assigned To: CEI** **Counter: 274**

Brief Description: Reset managed objects to default values

Detailed Description: The system shall have the ability to reset managed objects to their default configuration.

Issues Description:

Source: cet

Issues: No

Subsystems:

Reference: SR1-5.4.2.c

Data Management

Integrated Network Management

Master Terminal

ID: network-control-selected-noc **Assigned To:** **Counter: 275**

Brief Description: Network control can be effected from selected NOC sites

Detailed Description: The system shall be capable of performing network control for the entire Destineer network from selected NOC sites.

Issues Description: The network needs more definition. Suggest local NOCs (LNOC) and central NOCs (CNOC) be the terms used to separate management capabilities. CNOCs could manage LNOCs.

Source: cet

Issues: Yes

Subsystems:

Reference: SR1-5.2.4.f

Application Management

Data Management

Integrated Network Management

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Master Terminal

ID: network-control-termination **Assigned To: CEI/SAE** **Counter: 276**

Brief Description: Terminate network operations
Detailed Description: The system shall be able to terminate network operations, over all or part of the network, on command.

Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.4.2.c

ALL

ID: network-control-tests **Assigned To: CEI** **Counter: 277**

Brief Description: Control testing of network devices
Detailed Description: The system shall be able to activate BITE and other diagnostic tests, automatically or on request of the system operator.

Issues Description:
Source: **Issues:** No
Subsystems: **Reference:** SR1-5.4.1.e, SR1-5.4.3.b-3

Integrated Network Management
Master Terminal

ID: network-control-traffic-growth **Assigned To: CEI** **Counter: 278**

Brief Description: Network control shall support traffic growth
Detailed Description: The system shall allow network control to accommodate changes and growth in traffic.

Issues Description:
Source: **Issues:** No
Subsystems: **Reference:**

Application Management
Integrated Network Management
Master Terminal

ID: network-data-trouble-tickets **Assigned To: CEI** **Counter: 279**

Brief Description: Trouble ticket contents
Detailed Description: Trouble tickets shall include the date and time that the fault was first noted, the suspected device, and the resolution.

Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.4.1.i-3

ID: network-dedicated-msg-status-line **Assigned To:** **Counter: 280**

Brief Description: Dedicated lines for message status.
Detailed Description: Destineer shall provide the capability to configure the system to provide dedicated phone lines for message status reporting (formerly known as claim check redemption).

Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** CET RR 1/25/95

Integrated Network Management
Interactive Voice Response User Interface
Master Terminal

Integrated Network Management
Master Terminal

ID: network-recovery-actions-specify **Assigned To: CEI** **Counter: 287**

Brief Description: Specify network automatic recovery actions
Detailed Description: The system operator shall be able to specify automatic recovery actions for responding to specific alarms.
Issues Description: Auto-recovery will be restricted to well-defined cases, per Mtel's wishes.
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.2.4.j-1

Data Management
Integrated Network Management
Master Terminal

ID: network-report-cpu-mem **Assigned To:** **Counter: 288**

Brief Description: Report CPU and memory utilization.
Detailed Description: Destineer shall collect, save, and display CPU and memory utilization of all its processors capable of reporting the information using SNMP.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** CET RR 1/25/95

Integrated Network Management
Master Terminal

ID: network-sc-configure **Assigned To:** **Counter: 289**

Brief Description: Configure the subcontroller.
Detailed Description: Destineer shall provide the capability to configure the subcontroller with all its associated terminal servers and base receivers from the Master Terminal.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** CET RR 1/25/95

Integrated Network Management
Master Terminal
Subcontroller

ID: network-snmp **Assigned To: All** **Counter: 290**

Brief Description: Processors shall report SNMP data.
Detailed Description: All SNMP-capable processors in the Destineer network shall report SNMP data to Integrated Network Management.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.4.1

ALL

ID: network-software-updates **Assigned To: CEI/SAE** **Counter: 291**

Brief Description: Distribute software updates
Detailed Description: The system shall be able to distribute software updates to selected network devices throughout the network.
Issues Description: Selected devices are defined to be those network devices that support software upgrades via a non-proprietary network protocol supported by the system.
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.5.5.c, SR1-5.4.2.a.1, SR1-5.2.4.b, BDM1-3.2.3.3

ID: network-trend-alarm **Assigned To:** CEI **Counter:** 292
Brief Description: Post alarms to warn of impending performance problems
Detailed Description: Destineer shall post alarms when specified performance parameters are predicted to be out of tolerance within a specified warning time.
Issues Description:
 Source: **Issues:** No
 Subsystems: **Reference:**

Integrated Network Management

ID: network-trouble-tickets-log **Assigned To:** CEI **Counter:** 293
Brief Description: Maintain a trouble ticket log
Detailed Description: The system shall maintain a log of trouble tickets, containing sequential, timestamped trouble tickets describing network faults, including related alarms, diagnostic and recovery actions.
Issues Description:
 Source: **Issues:** No
 Subsystems: **Reference:** SR1-5.4.1k

Data Management
Integrated Network Management

ID: ods-authorizations **Assigned To:** CEI **Counter:** 294
Brief Description: The operator has the same authorizations as the user or subscriber.
Detailed Description: A dispatch operator has authorizations to perform the same functions as the caller. A subscriber security code is required to access subscriber functions for a PIN.
Issues Description:
 Source: CEI-RJZ **Issues:** No
 Subsystems: **Reference:** ODSN-1-2

ID: ods-greeting **Assigned To:** CEI **Counter:** 295
Brief Description: When operator acts for a subscriber the name and greeting will be displayed.
Detailed Description: When an ODS operator selects a subscriber's PIN, either to act on behalf of that subscriber, or to send a message to that subscriber, the subscriber's text name (if any) and text greeting (if any) will be displayed.
Issues Description:
 Source: CEI-RJZ **Issues:** No
 Subsystems: **Reference:** ODSN-2-1

ID: ods-interface **Assigned To:** CEI **Counter:** 296
Brief Description: ODS allows a caller to communicate with an operator.
Detailed Description: The operator dispatch subsystem allows a caller (subscriber or non-subscriber) to communicate by telephone with an operator who can perform Destineer functions (e.g. enter text messages, read messages, etc.) on their behalf. A caller can contact an operator by calling a specific telephone number or by making an appropriate selection from the IVR menu.
Issues Description:
 Source: CEI-RJZ **Issues:** No
 Subsystems: **Reference:** ODSN-1-1

ID: ods-standard-numeric **Assigned To:** CEI **Counter:** 303

Brief Description: ODS will convert specific keywords to numbers.
Detailed Description: The ODS will convert subscriber specific keywords to numbers for numeric pages.
Issues Description: Is this some type of keyword dictionary that is subscriber specific? That is, does the operator enter a number or does the system lookup and compress to a number? Ask SMO for guidance.
Source: CEI-RJZ **Issues:** Yes
Subsystems: **Reference:** ODSN-1-13, Hong Kong ODS

ID: ods-transactions **Assigned To:** CEI **Counter:** 304

Brief Description: ODS will generate transactions to measure operator performance.
Detailed Description: The ODS will generate transactions to measure operator performance.
Issues Description: What transactions and information need to be recorded to measure performance?
call connect time
functions performed
logon time - logoff time
operator id
device id
Source: CEI-RJZ **Issues:** Yes
Subsystems: **Reference:** ODSN-1-14

ID: performance-alarms **Assigned To:** CEI **Counter:** 305

Brief Description: report performance alarms
Detailed Description: The network manager or SNMP agent shall post alarms when specified performance parameters are out of tolerance.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** BDM1-3.4.4, SR1-5.4.3.a-2

Integrated Network Management

ID: performance-post-data **Assigned To:** ALL **Counter:** 306

Brief Description: Applications post performance data
Detailed Description: Destineer applications shall post performance data.
Issues Description:
Source: **Issues:** No
Subsystems: **Reference:**

ALL

ID: performance-roundtrip **Assigned To:** **Counter:** 307

Brief Description: Provide roundtrip time of 15 seconds (design goal).
Detailed Description: As a design goal, the roundtrip time for a message shall be 15 seconds or less. Roundtrip time is defined as the time from when a user receives system confirmation that the message has been sent until the user receives delivery acknowledgement. For the purposes of this requirement, a message may be one of the following types: numeric, voice (less than 15 seconds), text (less than To Be Determined characters).
Issues Description: Are the message types and sizes representative?
Source: cet **Issues:** Yes
Subsystems: **Reference:** CET RR 1/25/95

Application Message Transfer
Character User Interface
Core Messaging
Data Management
Destineer Access for Mac
Destineer Access For MS Windows

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Destineer Access for Xwindows
Interactive Voice Response User Interface
Master Terminal
Messaging Application Programming Interface
Operator Dispatch
RF Message Transfer
Subcontroller
X.400 Mail Transfer

ID: pkg-interconnect-third-party **Assigned To:** CEI **Counter:** 308

Brief Description: The system will provide interconnections for third party sub-systems

Detailed Description: Destineer shall allow for interconnection to sub-systems EXTERNAL to the NOC developed by third-parties. A sub-system developed by a third party shall conform to a specific application program interface (API) or an interface specification (protocol specification) for an Destineer sub-system. A general protocol will be defined. The third party will NOT have direct access to Destineer services and database. A third party system may connect directly to Destineer to request services and data. However, the third party system WILL be subject to verification and authorization checks for all services and data requested. Destineer shall provide a high level service interface which will allow the development of customized services.

Issues Description: A general interface to NWN must be defined. Needs further definition of level of interface. Somewhere between C, C++ API and Visual Programming. FPK and GWS will resolve.

Source: sac-fpk **Issues:** Yes
Subsystems: **Reference:** SR1-3.5.1.1.a

ID: pkg-sys-package **Assigned To:** CEI/SAE **Counter:** 309

Brief Description: The system will be designed to be sold as a product.

Detailed Description: The system will be designed to be sold as a product. There is a Basic system which does not provide a specific service but is rather the framework and support for all of the services - such as database handling, subscriber lookup, authorization, verification, tracking, etc. This list of Basic system functions will be defined as the functions are identified during analysis and design. Each of the supported services (FAX, Email, voice mail, text messages) can be sold separately. For example an Destineer system can be sold to another country without the IVR and FAX services. The list of supported services will expand with time. Each supported service must meet the following requirements: 1) A service can be added or deleted without affecting other services. 2) Each service is isolated in its own module that can be independently improved without affecting other services. 3) Each module or service must be fully documented. To be a product, the size of the database should be configurable without recompiling the programs - this allows a country to add 10,000 customers easily. To be a product the hardware configuration should be scalable - the system manager should be able to add 10 more lines to the IVR with only minor parameter updates.

Issues Description:
Source: sae-fpk **Issues:** No
Subsystems: **Reference:** SR1-3.5

ID: pkg-sys-service-menu-prompts **Assigned To:** CEI **Counter:** 310

Brief Description: Menus and prompts reflect the services purchased by the subscriber.

Detailed Description: The menus and prompts shown to subscribers must reflect the service features the subscriber has purchased. The menus and prompts will not show any functions that are not available to the subscriber. The menus and prompts for non-subscribers will only show public functions available to non-subscribers.

Issues Description: The CET recommends this requirement not apply to unconnected applications (specifically Access).

Source: mtel-bms **Issues:** Yes
Subsystems: **Reference:** CET meeting 8/19/93

ID: pkg-sys-service-packaging **Assigned To:** CEI/SAE **Counter:** 311

Brief Description: Service supported by Destineer can be sold to a Destineer customer.

Detailed Description: Services can be collected and sold as a package to a customer of Destineer, such as a large corporation, where all the corporations employees receive a single set of services. The packages will clearly define the services and classes of service purchased. A group of subscribers belonging to a customer can be manipulated as a unit.

Issues Description: Mtel must decide if a single subscriber can be grouped into a larger group for definition and billing purposes. ***
Dinesh said YES to this 8/19/93.***

Source: sae-fpk **Issues:** No
Subsystems: **Reference:** SR1-3.5

ID: pkg-system-subsystem-interdepen **Assigned To:** CEI/SAE **Counter:** 312

Brief Description: Destineer services shall not be dependent on other services.

Detailed Description: A service offered by Destineer (i.e. FAX, EMAIL, Voice mail) shall not require the purchase of another service. For example, someone who wants a FAX service must not be forced to have an Email package also. NOTE - remember that user interfaces for services must also be designed to be independent of other services.

Issues Description:

Source: sae-fpk **Issues:** No
Subsystems: **Reference:** SR1-3.5.2.1.2

ID: pm-params **Assigned To:** **Counter:** 313

Brief Description: Standard performance parameters

Detailed Description: The basic set of performance parameters shall include current, average and peak values for %CPU utilization, disk utilization, I/O bandwidth where measurable, message delay time, and message rate.

Issues Description: Note that the parameters measured may not correspond exactly to the identities and meanings of those parameters in UMS, as NWN will employ different hardware and operating system software.

Source: **Issues:** No
Subsystems: **Reference:** SR1-5.4.3

Integrated Network Management System
Master Terminal

ID: pmu-access-control **Assigned To:** SAE **Counter:** 314

Brief Description: PMU usage in unauthorized zones shall be denied.

Detailed Description: PMU transmission in unauthorized zones shall be denied. The Profile should include fields to indicate service range (international, nationwide, regional, zonal) and authorized regions and zones.

Issues Description:

Source: sae-jmc **Issues:** No
Subsystems: **Reference:** SR1-5.6.1

Data Management
RF Message Transfer

ID: pmu-availability **Assigned To:** SAE **Counter:** 315

Brief Description: The availability of a PMU must be maintained on Destineer

Detailed Description: Destineer shall store PMU availability. The PMU will inform Destineer of power on/off and when changing zones.

Issues Description:

Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.6.1.a.3

Data Management
RF Message Transfer

ID: present-error-msg **Assigned To: CEI** **Counter: 320**
Brief Description: All errors are presented
Detailed Description: An inappropriate entry will cause an error message. Error messages will always be presented after the error regardless of the help level selected.
Issues Description:
 Source: mtel-bms **Issues:** No
 Subsystems: **Reference:** IVR - X.400 Email Call Flow 2.9

Application Message Transfer
Business Support System Interface
Character User Interface
Destineer Access for Mac
Destineer Access For MS Windows
Destineer Access for Xwindows
Interactive Voice Response User Interface
Master Terminal
Messaging Application Programming Interface
Operator Dispatch

ID: present-help-ivr **Assigned To: CEI** **Counter: 321**
Brief Description: On line help for IVR
Detailed Description: Destineer IVRs will provide on-line help messages that explain menu options available in the current menu.
Issues Description:
 Source: mtel-bms **Issues:** No
 Subsystems: **Reference:** IVR - X.400 Email Call Flow 2.9

ID: prof-auth-alternate-delivery **Assigned To: CEI** **Counter: 322**
Brief Description: Maintain alternate delivery in profile
Detailed Description: Destineer shall maintain authorization for a subscriber to have Alternate Delivery.
Issues Description:
 Source: cet **Issues:** No
 Subsystems: **Reference:** Issue 4, page 7 DRI 2/5/94

Business Support System Interface
Data Management
Master Terminal

ID: prof-auth-escalate-hierarchy **Assigned To: CEI** **Counter: 323**
Brief Description: Message escalation
Detailed Description: Destineer shall maintain authorization for a subscriber to set up and use an escalation hierarchy for message delivery.
Issues Description:
 Source: cei-jdg **Issues:** No
 Subsystems: **Reference:** SR1-3.3.1.a.i. SR1-5.2.2.1.a

Business Support System Interface
Data Management
Master Terminal

ID: prof-block-read-ack **Assigned To:** CEI/SAE **Counter:** 327

Brief Description: Configure read acknowledgement service

Detailed Description: A subscriber shall be able to block the sending of read and not read acknowledgement messages when they were requested by the sender. If a message sender is requesting read or not read acknowledgements and the recipient has blocking activated, the privacy of the recipient subscriber will be honored.

Issues Description:

Source: cet **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i, SR1-5.2.2.1.a

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ID: prof-block-redirect **Assigned To:** **Counter:** 328

Brief Description: Subscriber may block receiving redirected messages

Detailed Description: A subscriber may select to not receive redirected messages.

Issues Description:

Source: mtel-bms **Issues:** No
Subsystems: **Reference:** Master Terminal User's Guide 6-26

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ID: prof-change-security-code **Assigned To:** CEI **Counter:** 329

Brief Description: Change subscriber security code

Detailed Description: A subscriber shall be able to change his subscriber security code. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

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ID: prof-configure-message-delivery **Assigned To: SAE** **Counter: 330**

Brief Description: Allow subscriber to specify message delivery.

Detailed Description: A subscriber shall be able to configure how different types of incoming messages are delivered.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i

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ID: prof-configure-retry-algorithm **Assigned To: CEI** **Counter: 331**

Brief Description: Configure retry algorithm for service

Detailed Description: A subscriber shall be able to configure the retry algorithm for each service by setting the following variables:

number of retries
delta cycle interval
delta retry interval
delta priority
delta retries
cycle interval
final cycle
max number of cycles

Issues Description: Are these subscriber selectable from the assigned UIs? LBD to resolve.

Source: cei-jdg

Issues: Yes

Subsystems:

Reference: SR1-3.3.1.a.i

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ID: prof-customer-flexible **Assigned To:** CEI **Counter:** 332

Brief Description: An authorized subscriber can change profile attributes.

Detailed Description: Destineer shall provide the capability for an authorized subscriber to change his/her profile attributes. A change may be made by a request to Destineer Customer Service or via Access software. The change can be made independent of changes made by other authorized subscribers. When a subscriber's profile attributes are changed, a transaction shall be generated.

The customer who pays for the subscriber identifies whether a subscriber is authorized to change his/her profile attributes (to add or delete features).

Issues Description:

Source: cet **Issues:** No
Subsystems: **Reference:**

ID: prof-customer-group-defaults **Assigned To:** CEI **Counter:** 333

Brief Description: Customer has multiple sets of service defaults for its subscribers.

Detailed Description: Destineer shall provide the capability for a customer to have multiple sets of default profile attributes.

The defaults specify the services each subscriber within a customer group is authorized for, the limits set on those authorized services, and the initial service preferences (plan data). For example, a customer's sales force, the engineers, and all remaining employees may all have a different set of service defaults. Each customer group would be uniquely identified and each subscriber would belong to one group as specified by the customer.

Issues Description:

Source: cet **Issues:** No
Subsystems: **Reference:**

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ID: prof-customer-interface **Assigned To:** CEI **Counter:** 334

Brief Description: Menu and prompt defaults for a customer.

Detailed Description: Destineer shall provide the capability for a customer to have the same customization of menus and prompts. This customization applies to all subscribers belonging to the customer.

Issues Description:

Source: cet **Issues:** No
Subsystems: **Reference:** SR1-3.5.2.1.b

ID: prof-customer-single-defaults **Assigned To: CEI** **Counter: 335**

Brief Description: Customer has single set of service defaults for all subscribers.

Detailed Description: Destineer shall provide the capability for a customer to have a single set of default profile attributes. These defaults apply to all subscribers belonging to the customer.

The defaults specify the services each subscriber is authorized for, the limits set on those authorized services, and the initial service preferences (plan data). The customer defaults may be for a certain class of service or may be custom defaults agreed to between Mtel and the customer.

Issues Description:

Source: cet

Issues: No

Subsystems:

Reference: SR1-3.5.2.1.b

ID: prof-default-acks **Assigned To: CEI** **Counter: 336**

Brief Description: Store default ack msgs

Detailed Description: The Subscriber Profile shall store subscriber-defined default acknowledgment messages for delivery, non-delivery, read, and not-read acknowledgements.

Issues Description: Does this requirement apply to notifications only?

Source: cet

Issues: Yes

Subsystems:

Reference: SR1-5.1.1.1.c

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ID: prof-define-escalation-hierarchy **Assigned To: CEI** **Counter: 337**

Brief Description: Define escalation hierarchy

Detailed Description: A subscriber shall be able to define an escalation hierarchy for alternate message delivery. The hierarchy is made up of a ordered list of 5 items(address, alias, or distribution list). The subscriber will be able to define a duration (hours, minutes, and seconds) within which delivery acknowledgement(s) must be received or the message is escalated (i.e., the message is sent to the next item in the list). The subscriber may also define how many (default of one) delivery acknowledgements must be received within the duration specified to prevent escalation of the message.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i, SR1-5.2.2.1.a

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Operator Dispatch

ID: prof-define-notif-message **Assigned To:** CEI **Counter:** 338

Brief Description: Define msg sent to notify of a received msg

Detailed Description: Subscriber may define the message sent to notify him that he has received a message. For instance the notification of a voice message might be set to "Call Skytalk"

Issues Description:

Source: mtel-bms

Issues: No

Subsystems:

Reference: Master Terminal User's Guide 6-26

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ID: prof-delivery-address **Assigned To:** CEI **Counter:** 339

Brief Description: Edit default delivery address for each message classification

Detailed Description: A subscriber shall be able to edit his default delivery address for each message classification. This is the address for primary delivery of all new messages of the classification. Examples are: fax phone number for fax messages, PMU address for text messages.

This requirement is referenced by requirement msg-arrival-notification.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i, SR1-5.2.2.1.a

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ID: prof-delivery-content-parts

Assigned To: CEI/SAE

Counter: 340

Brief Description: Subscriber chooses which content parts are delivered

Detailed Description: A subscriber shall be able to specify which parts of a message content is delivered to an address. The subscriber may specify any of the following:

- the subject line and originator's name,
 - entire message content(default),
subject line only,
 - number of characters of body(if applicable)
 - number of characters of content(if body is not applicable), or
 - notification only.
- A transaction shall be generated.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i

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ID: prof-delivery-info

Assigned To: CEI

Counter: 341

Brief Description: Store delivery information

Detailed Description: Destineer shall be able to store delivery information per classification of message. The following information will be stored:

- Whether or not to delete the message after delivery
- Whether or not messages are on hold
- Hold release time
- Primary delivery address
- Primary delivery address type
- Alternate delivery address
- Alternate delivery address type
- Whether or not forwarding is enabled
- Whether or not autocopy is enabled
- Forwarding address
- Whether or not to notify upon the arrival of new messages
- Notification address
- Notification address type
- Notification content specification
- Whether or not to notify upon arrival of acknowledgements

Issues Description:

Source:

Issues: No

Subsystems:

Reference: issue 6, page 7 of DRI 2/5/94

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ID: prof-dist-list-edit **Assigned To:** CEI **Counter:** 342

Brief Description: Edit distribution list
Detailed Description: A subscriber shall be able to edit a list of recipients. A transaction shall be generated when this feature is invoked.
Issues Description:
 Source: cei-jdg **Issues:** No
 Subsystems: **Reference:** SR1-3.3.1.a.i, SR1-5.2.2.1.a

ID: prof-dist-list-store **Assigned To:** CEI/SAE **Counter:** 343

Brief Description: Store distribution lists
Detailed Description: The Subscriber Profile shall store distribution lists.
Issues Description:
 Source: cet **Issues:** No
 Subsystems: **Reference:** SR1-5.3.1.f, SR1-5.3.1.g, SR1-5.3.8.b, SR1-5.3.8.d

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ID: prof-enable-escalation-hierarchy **Assigned To:** CEI/SAE **Counter:** 344

Brief Description: Enable/disable escalation hierarchy.
Detailed Description: A subscriber shall be able to enable/disable message escalation. A transaction shall be generated when this feature is invoked.
Issues Description:
 Source: CER **Issues:** No
 Subsystems: **Reference:** SR1-3.3.1.a.i, SR1-5.2.2.1.a

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ID: prof-esn-storage **Assigned To: CEI** **Counter: 345**
Brief Description: Store ESN for all PMUs
Detailed Description: The profile shall contain the ESN of a PMU assigned to a subscriber. Each PMU is assigned a unique ESN.
Issues Description: The reference states that the ESN must be encrypted for transmission over the RF. True/False?
Source: cet **Issues:** Yes
Subsystems: **Reference:** SR1-5.4.4.b

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ID: prof-fax-call-where-terminated **Assigned To: CEI** **Counter: 346**
Brief Description: Enable call restart where terminated
Detailed Description: A subscriber shall be able to enable/disable restarting fax retries from the last good page if the previous try was terminated before completion. Enabling will cause the retry to start after the last good page. Disabling will cause retries to restart from page one. A transaction shall be generated when this feature is invoked.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i, SR1-5.2.2.1.a

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ID: prof-fax-cover-page **Assigned To: CEI** **Counter: 347**
Brief Description: Set fax cover page preference
Detailed Description: A subscriber shall be able to set fax cover page preference to none, filed document, or default system cover page. Each cover page will be overlaid with ASCII information that will be converted to facsimile data. This ASCII information can consist of the following: PIN of the sender, PIN of the recipient, name of the sender, name of the recipient, urgent and/or confidential marking, fax number of the recipient, and the number to Customer Service to call if a problem occurred during transmission. A transaction shall be generated when this feature is invoked.
Issues Description: Is the number for Customer Service required?
Should Sender ID be added to the coverpage?
Source: cei-jdg **Issues:** Yes
Subsystems: **Reference:** SR1-3.3.1.a.i, SR1-5.2.2.1.a

ID: prof-follow-me-international **Assigned To: CEI** **Counter: 348**
Brief Description: Follow me international
Detailed Description: A subscriber shall be able to route messages to another country. A transaction shall be generated when this feature is invoked.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

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ID: prof-follow-me-nationwide **Assigned To:** CEI **Counter:** 349

Brief Description: Follow subscriber across US

Detailed Description: A subscriber may purchase service local to his home zone or nationwide coverage. If a subscriber does not have nationwide coverage he may purchase follow me service to cover occasional trips. This includes the number of days he has extended coverage.

Issues Description:

Source: mtel-bms

Issues: No

Subsystems:

Reference: Master Terminal User's Guide 6-10

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ID: prof-greeting **Assigned To:** CEI **Counter:** 350

Brief Description: Voice and text greeting

Detailed Description: There will be one voice and one text greeting available per subscriber per interactive service. A transaction shall be generated when greetings are edited.

Issues Description:

Source:

Issues: No

Subsystems:

Reference: issue 2, page 9 DRI 2/5/94

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ID: prof-limits-on-list-usage **Assigned To:** CEI **Counter:** 354

Brief Description: Subscribers have limits on size and number of defined lists

Detailed Description: Each subscriber will have a limit on the number of lists he may have defined. Each list will also be limited to by the number of entries it may contain. Long lists can be created by imbedding other lists in a list.

Issues Description:

Source: mtel-bms

Issues: No

Subsystems:

Reference: Master Terminal User's Guide 6-14

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ID: prof-max-seq-number **Assigned To:** CEI/SAE **Counter:** 355

Brief Description: Maximum sequence number

Detailed Description: A subscriber may select the maximum sequence number for RF messages addressed to his/her RF devices. When this maximum sequence number is reached, sequence numbering will start over at zero.

Issues Description:

Source: fpk

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i

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ID: prof-max-session-time **Assigned To:** CEI **Counter:** 356

Brief Description: Each interactive interface has a max session time

Detailed Description: Subscribers have a max session time they can use each of the available interactive interfaces.

Issues Description:

Source: mtel-bms

Issues: No

Subsystems:

Reference: Master Terminal User's Guide 6-14

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ID: prof-msg-priority-per-service **Assigned To: CEI** **Counter: 360**

Brief Description: Message priority for each service

Detailed Description: The Subscriber Profile shall store maximum allowed message priority (urgent, normal) for each service based on class of service purchased. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.2.4.d, SR1-5.2.6.a

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ID: prof-msg-retention-time **Assigned To: CEI** **Counter: 361**

Brief Description: Set message retention time.

Detailed Description: The on-line retention time for message data shall be controlled by parameters (hours, days) in the subscriber profile. Separate retention times can be set for new, filed, and deleted messages.

Issues Description:

Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.2.2.2.c, SR1-5.2.2.3.b

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ID: prof-msg-sequence-numbering **Assigned To: CEI/SAE** **Counter: 362**

Brief Description: Enable message sequence numbering

Detailed Description: A subscriber shall be able to enable/disable message sequence numbering for messages sent out the RF forward path. It is an end user aid to determine if all RF messages have been received and only applies to alphanumeric and numeric messages over the RF.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i, SR1-5.2.2.1.a

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ID: prof-msg-store **Assigned To: CEI** **Counter: 363**

Brief Description: Store messages

Detailed Description: Subscribers shall be able to file messages on command.

Issues Description:

Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.3.2.b

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ID: prof-non-delivery-ack-delay **Assigned To:** CEI **Counter:** 364

Brief Description: Set non-delivery ack delay.
Detailed Description: A subscriber shall be able to set his non-delivery acknowledgement delay (with respect to the delivery time) between the system-wide values set by the NOC.
Issues Description: Is there a requirement to set system value? A requirement to set a system value has been entered. The requirement is prof-non-receipt-notification-delay.
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i, SR1-5.2.2.1.a

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ID: prof-notify-delivery-ack **Assigned To:** CEI **Counter:** 365

Brief Description: Notify subscriber of delivery/non-delivery
Detailed Description: Subscriber may select to receive notification that he has received a delivery acknowledgement or a non-delivery acknowledgement.
Issues Description:
Source: mtel-bms **Issues:** No
Subsystems: **Reference:** Master Terminal User's Guide 6-26

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ID: prof-place-sequence-numbers **Assigned To: CEI** **Counter: 366**

Brief Description: Specify the placement of sequence numbers

Detailed Description: When messages are given sequence numbers, the subscriber may indicate whether the sequence number appears before or after the message. Applies to RF messages only.

Issues Description:

Source: mtel-bms

Issues: No

Subsystems:

Reference: Master Terminal User's Guide 6-20

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ID: prof-pmu-definition **Assigned To: CEI** **Counter: 367**

Brief Description: Define PMU characteristics

Detailed Description: Destineer shall have the capability to define and store the characteristics and functionality of each PMU.

Issues Description:

Source: mtel-bms

Issues: No

Subsystems:

Reference: Master Terminal User's Guide 6-5,SR1-5.3.1.a, SR1-5.6.1.a.1

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ID: prof-present-help **Assigned To: CEI** **Counter: 368**

Brief Description: Present help to the user

Detailed Description: All Destineer user interfaces will contain context sensitive help that is expected to be product dependant (i. e., Windows help will conform to Windows standard help, Macintosh to Macintosh standards, etc).

Issues Description:

Source: cet

Issues: No

Subsystems:

Reference: CET

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ID: prof-present-menu-ivr **Assigned To: CEI** **Counter: 369**

Brief Description: Control presentation of IVR menus

Detailed Description: The subscriber may control the presentation of IVR menus. The subscriber may select to have menus presented:

- 1) All the time (all options for the current menu are presented),
 - 2) Once (options are presented once after changing menus).
 - 3) Menu title only (the names of the menus are presented once after changing menus).
- While inside a menu, the subscriber may request all options be presented.

Issues Description:

Source: cet

Issues: No

Subsystems:

Reference: IVR Call Flow Manual

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Interactive Voice Response User Interface

ID: prof-presentation-sequence **Assigned To:** CEI **Counter:** 370

Brief Description: Control message presentation sequencing.

Detailed Description: A subscriber shall be able to control the sequencing of messages when replayed (voice) or presented in a message list (text user interface).

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i, SR1-5.2.2.1.a

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ID: prof-read-ack-authorize **Assigned To:** **Counter:** 371

Brief Description: Authorize read ack confirm.

Detailed Description: Destineer shall provide the capability for a subscriber to be authorized to confirm read acknowledgments on a message by message basis.

Issues Description:

Source: cet

Issues: No

Subsystems:

Reference: CET RR 1/25/95

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ID: prof-read-ack-confirm **Assigned To:** **Counter:** 372

Brief Description: User confirms read ack before sending.

Detailed Description: Destineer shall provide the capability for a subscriber to confirm or deny the sending of a read acknowledgment for each message that is read.

Issues Description:

Source: cet

Issues: No

Subsystems:

Reference: CET RR 1/25/95

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ID: prof-reset-sequence **Assigned To: CEI** **Counter: 373**

Brief Description: Sequence numbers may be reset at midnight

Detailed Description: Subscriber may select to have sequence numbers for RF message sequencing reset at midnight.

Issues Description:

Source: mtel-bms

Issues: No

Subsystems:

Reference: Master Terminal User's Guide 6-20

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ID: prof-restrict-usage-code-selections **Assigned To: CEI** **Counter: 374**

Brief Description: Reject obvious usage codes

Detailed Description: Reject usage codes that are the same or the reverse of the subscriber's security code.

Issues Description:

Source: mtel-bms

Issues: No

Subsystems:

Reference: Master Terminal User's Guide 6-22

Data Management

ID: prof-sender-csi **Assigned To: CEI** **Counter: 375**

Brief Description: Enable sending sender's fax CSI

Detailed Description: A subscriber shall be able to enable/disable sending sender fax CSI.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i, SR1-5.2.2.1.a

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ID: prof-sender-id **Assigned To: CEI** **Counter: 376**

Brief Description: Enable sender id

Detailed Description: A subscriber shall be able to enable/disable his automatic sender identification.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i, SR1-5.2.2.1.a

Application Message Transfer
Business Support System Interface

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ID: prof-set-fax-interval **Assigned To:** CEI **Counter:** 377

Brief Description: Set interval to forward all faxes

Detailed Description: A subscriber shall be able to set the time interval or number of messages after which all faxes are sent to his primary delivery address for fax messages. This capability allows the user to consolidate fax messages into one phone call. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i, SR1-5.2.2.1.a

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ID: prof-set-forward-expiration-time **Assigned To:** CEI **Counter:** 378

Brief Description: Set expiration time for forwarding

Detailed Description: When a subscriber sets forwarding, with or without auto copy enabled, the subscriber must set a time for forwarding to expire. To set the expiration time the subscriber may specify a delta time, which is added to the current date and time, or may specify a specific date and time in the future. When the forwarding time expires, the subscriber who is receiving the forwarded messages will get a message stating that messages are no longer being forwarded to his/her account.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i, SR1-5.2.2.1.a, IVRXECFM-2.4

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MTEL1212377

ID: prof-set-outdial-security-code **Assigned To:** CEI **Counter:** 379

Brief Description: Set outdial security code

Detailed Description: A subscriber shall be able to set his outdial security code. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i, SR1-5.2.2.1.a

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ID: prof-set-purge-interval **Assigned To:** SAE/CEI **Counter:** 380

Brief Description: Set message purge interval

Detailed Description: Destineer shall provide each subscriber with a default purge interval for new and filed messages that is not modifiable by the subscriber through a user interface.

Issues Description: What's the max interval allowed for each folder before automatic purging?
Relationship to "class of service"?
Shouldn't be modifiable by subscriber.
How is the interval measured? (time, # of messages)

Source: cei-jdg **Issues:** Yes
Subsystems: **Reference:** SR1-3.3.1.a.i

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ID: prof-set-usage-key **Assigned To:** CEI **Counter:** 381

Brief Description: Set usage key

Detailed Description: A subscriber shall be able to set the value for his classification-specific usage key.

Issues Description: Is there a usage key for each message classification or a usage key for each service gateway? That is, does the subscriber have the capability to protect messages by classification (text, fax, voice, binary, combined) regardless of the way they entered the system, or does the subscriber have the capability to protect entry of all message classifications from a specific service (voice, fax, email, wireless, application)?

Source: cei-jdg **Issues:** Yes
Subsystems: **Reference:** SR1-3.3.1.a.i, SR1-5.2.2.1.a

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ID: prof-set-voice-document-name-len **Assigned To: CEI** **Counter: 382**

Brief Description: Set max voice document name length

Detailed Description: Destineer shall the capability to set a maximum voice document name length on a per subscriber basis not changable by the subscriber.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i, SR1-5.2.2.1.a

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ID: prof-speed-dial **Assigned To: CEI** **Counter: 383**

Brief Description: List of phone numbers for speed dial

Detailed Description: Subscriber may define a list of phone numbers to use for speed dial. The length of this list is limited. The outdial service may use speed dial numbers

Issues Description:

Source: mtel-bms

Issues: No

Subsystems:

Reference: Master Terminal User's Guide 6-14

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ID: prof-store-info-svc-subs **Assigned To: CEI** **Counter: 384**

Brief Description: Store information service subscriptions

Detailed Description: Information service subscriptions can be added, deleted, edited, and stored for each subscriber.

Issues Description: Is Information Service a RF service only?
Is this a subscriber modifiable option?
CET action.

Source: cet

Issues: Yes

Subsystems:

Reference: SR1-5.5.3.b(ii), SR1-5.1.1.7.a, SR1-5.3.8b

ID: prof-store-pmu-location **Assigned To: CEI** **Counter: 385**

Brief Description: Store PMU location

Detailed Description: Destineer shall store the location of PMUs.

Issues Description:

Source: cet

Issues: No

Subsystems:

Reference: SR1-5.1.1.6, SR1-5.6.1.a.2

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MTEL1212379

ID: prof-subscriber-csi **Assigned To: CEI** **Counter: 386**

Brief Description: Enable sending subscriber's fax CSI
Detailed Description: A subscriber shall be able to enable/disable sending of subscriber's fax CSI.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i, SR1-5.2.2.1.a

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ID: prof-subscriber-name **Assigned To: CEI** **Counter: 387**

Brief Description: Multiple name forms for a subscriber's name.
Detailed Description: There will be one voice and one text name available per subscriber.

Issues Description:

Source: **Issues:** No
Subsystems: **Reference:** issue 3, page 10, DRI 2/5/94

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ID: prof-temp-disconnect **Assigned To: CEI** **Counter: 388**

Brief Description: Disconnect subscriber from service
Detailed Description: A subscriber may be temporarily disconnected from service. This disconnect will inhibit the subscriber from using the system but not disturb his profile.

Issues Description:

Source: mtel-bms **Issues:** No
Subsystems: **Reference:** Master Terminal User's Guide 6-10

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ID: prof-time-format **Assigned To:** CEI **Counter:** 389

Brief Description: Choice of time stamp formats
Detailed Description: Destineer shall store the format that a subscriber wishes to see time in. Options for time are the 12 and 24 hour clock; options for date are ddmmyy or mmddy.

Issues Description:

Source: mtel-bms **Issues:** No
Subsystems: **Reference:** Master Terminal User's Guide 6-14

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ID: prof-time-stamping **Assigned To:** CEI **Counter:** 390

Brief Description: Enable time stamping
Detailed Description: A subscriber shall be able to enable or disable replay time stamping.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i, SR1-5.2.2.1.a

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ID: prof-update-history **Assigned To:** CEI **Counter:** 391

Brief Description: Keep history of updates
Detailed Description: Keep a history of updates to subscriber's services and equipment. Information kept should include: date service or device added or updated, who made the updates. Therefore, ALL updates to subscriber's profile must record the transaction.

Issues Description:

Source: mtel-bms **Issues:** No
Subsystems: **Reference:** Master Terminal User's Guide 6-5

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ID: prof-voice-annotation-length **Assigned To:** CEI **Counter:** 392

Brief Description: Max voice annotation length

Detailed Description: A subscriber shall be assigned a maximum length of a voice annotation based on the purchased class of service.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i, SR1-5.2.2.1.a

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ID: prof-voice-comment-length **Assigned To:** CEI **Counter:** 393

Brief Description: Max voice comment length

Detailed Description: A subscriber shall be assigned a maximum length of a voice comment based on the purchased class of service.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i, SR1-5.2.2.1.a

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ID: read-ack-authorize **Assigned To:** SAE **Counter:** 394

Brief Description: Provide the capability for a customer to send read acks from a PMU.

Detailed Description: Provide the capability for a customer to send read acks from a PMU. Sending read acknowledgements from a PMU involves using additional airtime for what some consider a "luxury" service. This a subscriber authorized service to restrict the use of read acks to premium customers. In any case, the use of read acks shall be an option on the PMU that requires special authorization. The Destineer system will not allow for selection of any non authorized function. The PMU must support read ack option. The OTAP protocol to the PMU must support read acks.

Issues Description: Is this PMU specific?

Source: mtel-jjh **Issues:** Yes
Subsystems: **Reference:** SR1-5.3.1

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ID: read-ack-confirm **Assigned To: CEI** **Counter: 395**

Brief Description: Provide the capability for a customer to disallow the read ack from being sent.
Detailed Description: Provide the capability for a customer to disallow the read ack from being sent. The recipient of a message has the right to disallow people from knowing when he reads his messages. This service is to be provided on a message-by-message basis by asking the recipient to confirm the read acknowledgement before it is sent by the PMU. A transaction shall be generated when this feature is invoked. (requirement not for fax or e-mail.)
Issues Description: This service is considered unachievable. To allow a PMU holder the option to stop the read receipt from being sent means that every message requires an extra step to access. Forcing customers to do this will likely result in FEW read receipts being generated. Also, our trusting message sender is completely unaware of what is happening with the message and thinks it has been lost. The system is unable to inform him. If this service is provided at all, it should be amended to disallow read receipts on ALL messages for a subscriber. This would allow a "friendly" warning to the message sender that the recipient will not allow read receipts.

Source: mtel-jjh **Issues:** Yes
Subsystems: **Reference:** SR1-5.1.1.1.e

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ID: redundant-data **Assigned To: SAE** **Counter: 396**

Brief Description: Keep redundant copy of all persistent data
Detailed Description: Destineer shall maintain redundant copies of all persistent data physically located on another storage device than the original copy.

Issues Description:
Source: cei-gws **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

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ID: reply-3rd_party

Assigned To: CEI

Counter: 397

Brief Description: send reply to 3rd party

Detailed Description: A subscriber entering a message shall be able to send a reply or acknowledgment to a third party other than him/herself. This allows the message sender to control who gets the reply and/or read receipt for a message. A transaction shall be generated when this feature is invoked. GAR

Issues Description: Can the 3rd party be a non-subscriber? Yes per Dinesh 8/23/93 - How to do this still must be determined.

Source: mtel-jjh

Issues: Yes

Subsystems:

Reference: SR1-5.3.1.d

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ID: report--msg-conversion

Assigned To: SAE

Counter: 398

Brief Description: Report message conversions available

Detailed Description: A subscriber shall be able to obtain a report that shows what message conversions are authorized for his/her account.

Issues Description:

Source: cci-jdg

Issues: No

Subsystems:

Reference: SR1-5.3.1

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MTEL1212384

ID: report-account-usage-activity

Assigned To: SAE/CEI

Counter: 399

Brief Description: Account usage activity report

Detailed Description: A subscriber shall be able to request a report on the detailed usage activity of their account during the last n days (n has a system configurable maximum number of days). Each report includes:

- type of transaction (identifies activity)
- date/time of transaction
- meaningful information related to the activity being reported

The report shall include transactions which identify the following activities:

- Receive a message
- Send a message
- Reply to a message
- Redirect a message
- Wait on the line for message status
- Request and creation of a delivery acknowledgement
- Request and creation of a read acknowledgement
- Request and creation of a nondelivery acknowledgement
- Request and creation of a not read acknowledgement
- Request for a message status
- Check a message status
- Delivery of a message to a PMU
- Delivery of a message to a fax number
- Delivery of a message to an Email gateway
- All transactions that report profile changes

The report shall be requested from a user interface and generated by the Business Support System. The subscriber shall be able to direct the system to deliver the report to a specified address.

Issues Description:

Source: cei-gws

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i, IVR-FAX Call Flow 2.10.2

ID: report-account-usage-summary

Assigned To: SAE/CEI

Counter: 400

Brief Description: Summary report on account activity

Detailed Description: A subscriber shall be able to receive a summary report of activity on his/her account. The report will contain the number of transactions reported during a specified time frame for the following activities:

- Receive a message
- Send a message
- Reply to a message
- Redirect a message
- Wait on the line for message status
- Request and creation of a delivery acknowledgement
- Request and creation of a read acknowledgement
- Request and creation of a nondelivery acknowledgement
- Request and creation of a not read acknowledgement
- Request for a message status
- Check on a message status
- Delivery of a message to a PMU
- Delivery of a message to a fax number
- Delivery of a message to an Email gateway
- All transactions that report profile changes

The report shall be requested from a user interface and generated by the Business Support System. The subscriber shall be able to direct the system to deliver the report to a specified address.

Issues Description:

Source:

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i, IVR-Fax Call Flow 2.10.2

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ID: report-delivery-notification **Assigned To:** SAE **Counter:** 401

Brief Description: Notify delivery of subscriber report
Detailed Description: Destineer will be capable of notifying a subscriber that a authorized subscriber report that he has requested has been delivered. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i, IVR Fax Call Flow Manual-1.0

Core Messaging
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ID: report-distribution-list **Assigned To:** CEI **Counter:** 402

Brief Description: Distribution list report
Detailed Description: A subscriber shall be able to request a report containing the contents of distribution lists in his profile. For each distribution list, the report includes:
list number
total entries
all destinations
For each destination, the report contains:
destination type (PIN, email address, phone number)
destination number
destination name (if any) A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cei-gws **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i, IVR-FAX Call Flow 2.10.2

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ID: report-mbox-billing-summary **Assigned To: CEI** **Counter: 403**

Brief Description: Mailbox billing summary report
Detailed Description: A subscriber shall be able to request a report showing their current billing information.
Issues Description: Define contents of report more specifically. Do UI's need to allow the billing report to be requested? Do we offer delivery through Destineer outbound services?
Source: cei-gws **Issues:** Yes
Subsystems: **Reference:** SR1-3.3.1.a.i, IVR-FAX Call Flow 2.10.2

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ID: report-mbox-storage **Assigned To: CEI** **Counter: 404**

Brief Description: Mailbox storage report
Detailed Description: A subscriber shall be able to receive a summary information on all stored messages in his mailbox. For each message, the report includes:
- date/time message was delivered
- number of pages (if fax)
- bytes of storage (if page, email, or voice)
- status(new, filed, held, deleted)
- originating mailbox (if copied)
- CSI (if fax)
- senderID
- maximum storage allocated
- storage used

A transaction shall be generated when this feature is invoked.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i, IVR-FAX Call Flow 2.10

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ID: report-subscriber-configuration **Assigned To: CEI** **Counter: 405**

Brief Description: Mailbox configuration report
Detailed Description: A subscriber shall be able to request a report on the configuration of their mailbox. Each report includes:
functions authorized for each service
function state (enabled/disabled)
storage capacity for each service
list capacity.
Issues Description:
Source: cei-gws **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i, IVR-FAX Call Flow 2.10.2

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ID: rf-dynamic scheduling **Assigned To:** SAE **Counter:** 406

Brief Description: Provide alterable scheduling policy to forward path.
Detailed Description: Destineer must have configurable parameters for RF scheduling policy.
Issues Description: Identify configurable scheduling parameters.
Source: mtel-jjh **Issues:** Yes
Subsystems: **Reference:** SR1-5.6.2.b

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ID: rf-info-service-multicast **Assigned To:** SAE **Counter:** 407

Brief Description: Multicast of information over the RF
Detailed Description: Destineer shall provide a service which multicasts information over the RF to a specific group of subscribers. The group is defined by an address. The system must be able to download an address to any PMU in order to turn the service on and off. A transaction shall be generated when this feature is invoked.
Issues Description: Is there a requirement that multicast messages be acknowledged?
Source: cei-gws **Issues:** Yes
Subsystems: **Reference:** SR1-5.3.7.b

Data Management
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ID: rf-retransmit **Assigned To:** SAE **Counter:** 408

Brief Description: RF shall re-transmit a message until a protocol ack is received.
Detailed Description: The NOC shall re-transmit a message until a protocol acknowledgment is received or the retry algorithm is complete.
Issues Description:
Source: sae-jmc **Issues:** No
Subsystems: **Reference:** SR1-5.3.1.a.ii

Data Management
RF Message Transfer

ID: rf-roaming **Assigned To:** SAE **Counter:** 409

Brief Description: Roaming capabilities for subscribers must be continuous.
Detailed Description: Roaming capabilities (messaging services provided as a PMU moves from zone to zone) must be continuous (without interruption of service/loss of messages) and consistent (same as stationary unit) to mobile units/subscribers. The user should not be required to announce new location.
Issues Description:
Source: sae-jmc **Issues:** No
Subsystems: **Reference:** SR1-5.3.1 SR1-3.1.a SR1-3.2.d

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RF Message Transfer

ID: rf-throughput-time **Assigned To:** SAE **Counter:** 410

Brief Description: RF throughput within 60 seconds.
Detailed Description: Destineer shall begin OTAP transmission of a normal-priority message to an active destination PMU whose location is known within 60 seconds after receiving the complete message.
Issues Description: ETC to clarify requirement
Source: **Issues:** Yes
Subsystems: **Reference:** SR1-5.2.5.(f)

ID: **rpc-command-msg-del-ack** **Assigned To:** SAE **Counter:** 411
Brief Description: RPC must process delivery ack messages from PMUs.
Detailed Description: The RPC must detect message delivery acknowledgement (msg successfully delivered to recipient PMU/PCMCIA) from PMUs.
Issues Description:
Source: sae-jmc **Issues:** No
Subsystems: **Reference:** SR1-5.1.1.1.b.i

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RF Message Transfer

ID: **rpc-command-msg-read-ack** **Assigned To:** SAE **Counter:** 412
Brief Description: RPC must process read ack messages from PMUs.
Detailed Description: The RPC must detect and process message read acknowledgement (recipient has read message) from PMUs. This acknowledgement shall be relayed to the originator of the message received.
Issues Description:
Source: sae-jmc **Issues:** No
Subsystems: **Reference:** SR1-5.1.1.1.b.iii

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RF Message Transfer

ID: **rpc-consolidate-msgs** **Assigned To:** SAE **Counter:** 413
Brief Description: The RPC must consolidate duplicated messages from multiple subcontrollers.
Detailed Description: The RPC must select and/or consolidate duplicated messages received from multiple subcontrollers.
Issues Description:
Source: sae-jmc **Issues:** No
Subsystems: **Reference:** SA2-2.1.4.a.i

RF Message Transfer

ID: **rpc-msg-data-format** **Assigned To:** SAE **Counter:** 414
Brief Description: Reverse path message shall support various message types.
Detailed Description: Message types received by the Reverse Path Controller can be of various data formats (i.e. binary, Group 3 and Group 4 facsimile, image, text, and voice).
Issues Description:
Source: sae-jmc **Issues:** No
Subsystems: **Reference:** SR1-5.3.2.c

Core Messaging
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ID: **rpc-msg-data-length** **Assigned To:** SAE **Counter:** 415
Brief Description: Reverse path message shall support messages of various lengths.
Detailed Description: Reverse path message shall support messages of various lengths. The maximum message length may be restricted by the over the air protocol. The length shall also be restricted by Destineer/NOC system. The length shall be restricted by the subscriber definition.
Issues Description:
Source: sae-jmc **Issues:** No
Subsystems: **Reference:** SR1-5.3.2.d

Data Management
RF Message Transfer

ID: rpc-pmu-location **Assigned To:** SAE **Counter:** 416

Brief Description: The PMU's general location must be determined and updated.

Detailed Description: The RPC shall provide for updating the general location of PMUs (in relation to base receivers/zones). Each time a message is received from a PMU a list of base receivers which received the message is returned from the subcontroller. This information shall be used to determine the general location of the PMU.

Issues Description:

Source: sae-jmc

Issues: No

Subsystems:

Reference: SR1-3.1.e, SR1-5.3.6.c.v, SR1-5.6.1

Data Management

RF Message Transfer

Subcontroller

Transaction Management

ID: rpc-pmu-usage **Assigned To:** SAE **Counter:** 417

Brief Description: PMU usage in unauthorized zones shall be denied.

Detailed Description: PMU transmission in unauthorized zones shall be denied by the NOC. The Subscriber Profile should include fields to indicate service range (nationwide, regional, zonal) and authorized regions and zones.

Issues Description: How do we notify the PMU that it is in an unauthorized zone and messages will not be allowed (i.e. quit sending messages)?

Source: sae-jmc

Issues: Yes

Subsystems:

Reference: SR1-5.6.1

Business Support System Interface

Data Management

Master Terminal

RF Message Transfer

ID: rpc-raw-data-rate **Assigned To:** SAE **Counter:** 418

Brief Description: Brief Description: Zone reverse channel raw data rate.

Detailed Description: The system shall support a simultaneous per zone reverse channel raw data rate of $\geq 9,600$ bps.

Issues Description:

Source: cet

Issues: No

Subsystems:

Reference: SR1-4.6.c

RF Message Transfer

ID: rpc-receive-msgs **Assigned To:** SAE **Counter:** 419

Brief Description: The reverse path is responsible for collecting messages from PMUs.

Detailed Description: The primary responsibility of the reverse path controller is to collect messages received from PMUs via the subcontroller's reverse path controller communication port.

Issues Description:

Source: sae-jmc

Issues: No

Subsystems:

Reference: SA2-2.1.4

RF Message Transfer

ID: rpc-receive-partial-msg **Assigned To:** SAE **Counter:** 420

Brief Description: The RPC is responsible for receiving partial messages.

Detailed Description: Long messages up to the maximum length of an OTAP message must be transmitted in smaller message packets. The RPC shall receive these partial messages and "build" a complete message with the packets in the proper order.

Issues Description:

Source: sae-jmc

Issues: No

Subsystems:

Reference: SA2-2.1.5.f

RF Message Transfer

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ID: rpc-reverse-channel-schedule **Assigned To: SAE** **Counter: 421**

Brief Description: The RPC is responsible for handling request for reverse channel transmit time.

Detailed Description: The RPC is responsible for detecting reverse channel time slot requests and passing them on to the Forward Path Controller for scheduling. A slot request shall contain the message length.

Issues Description: FPK to resolve the reference.

Source: sae-jmc **Issues:** Yes
Subsystems: **Reference:** SR1-5.6.2

Data Management
RF Message Transfer

ID: satellite-bidirectional **Assigned To: SAE** **Counter: 422**

Brief Description: Destineer shall provide bidirectional data via satellite.

Detailed Description: Destineer shall provide a data distribution and collection service. Satellite traffic shall be routed bidirectionally between Destineer and the satellite network,

Issues Description: How can a satellite be bidirectional ? How does this service enable distribution where satellite signals cannot reach ?

This refers to link with external satellite services - need to reword to clarify. Example: use NWN as a "backup" satellite service. FPK has action to resolve this issue.

Source: sae-fpk **Issues:** Yes
Subsystems: **Reference:** SR1-5.1.1.4.c

ID: sc-alarm **Assigned To: SAE** **Counter: 423**

Brief Description: The subcontroller will report internal alarms

Detailed Description: The subcontroller will collect and report internal subcontroller alarms to the NOC. The internal alarms are alarms that occur on the subcontroller.

Issues Description:

Source: sae-fpk **Issues:** No
Subsystems: **Reference:** SA2-2.1.4.e

Integrated Network Management
RF Message Transfer
Subcontroller

ID: sc-base-receiver **Assigned To: SAE** **Counter: 424**

Brief Description: The subcontroller will receive message from the base receiver.

Detailed Description: The subcontroller is responsible for receiving messages from the base receivers. These messages are messages from the PMU/PCMIA .

Issues Description:

Source: sae-fpk **Issues:** No
Subsystems: **Reference:** SR1-10. SA2-2.1.4

Subcontroller

ID: sc-base-transmitter **Assigned To: SAE** **Counter: 425**

Brief Description: The subcontroller communicates messages to base transmitters.

Detailed Description: The subcontroller is responsible for distributing messages received from the NOC to the base transmitters (BT). This is the alternate method (backup) to send messages to the BT. The SC will receive a single message for a zone and distribute to all BT in that zone that are connected to that SC.

Issues Description:

Source: sae-fpk **Issues:** No
Subsystems: **Reference:** SR1-10. SA2-2.1.4

Subcontroller

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MTEL1212391

ID: sc-br-consolidate **Assigned To:** SAE **Counter:** 426

Brief Description: Consolidate messages received from multiple base receivers.

Detailed Description: The subcontroller is connected to one or more base receivers. It will accept received messages from all connected BRs and forward a single correct message to the RPC. The received message can be duplicated from a single PMU transmission, which is picked up by multiple BRs. When the received message contains errors the sub controller attempts to rebuild a correct message from several copies of the same message. A message from a base receiver consists of one or more blocks. A message from a BR has indicators that specify which blocks are good or bad.

The message to the RPC will contain indicators of which blocks of the message are good or bad. The message to the RPC will also contain a list of all base receivers that received any part of the message. This is message reconstitution.

Issues Description:

Source: sac-fpk **Issues:** No

Subsystems: **Reference:** SA2-2.1.4

Subcontroller

ID: sc-fault-recovery **Assigned To:** SAE **Counter:** 427

Brief Description: The SC shall optionally support failover.

Detailed Description: The subcontroller shall optionally be configured to support failover to a backup subcontroller, if redundant equipment is available.

Issues Description: SAE requirement, re-review.

Source: sac-fpk **Issues:** No

Subsystems: **Reference:** SR1-5.4.1, SR1-5.4.2

Integrated Network Management

ID: sc-message-forward **Assigned To:** SAE **Counter:** 428

Brief Description: The SC shall forward management messages to the INM.

Detailed Description: The subcontroller shall forward alarm and statistics messages from the base transmitters and base receivers to Integrated Network Management.

Issues Description:

Source: sac-fpk **Issues:** No

Subsystems: **Reference:** SR1-5.4.1, SR-5.4.3

Integrated Network Management

ID: sc-proxy-config_control **Assigned To:** SAE **Counter:** 429

Brief Description: SCs can send and receive configuration data and update operating software.

Detailed Description: Subcontrollers shall have the capability to send and receive configuration data and update operating software for assigned base receivers and base transmitters.

Issues Description:

Source: OP **Issues:** No

Subsystems: **Reference:** SR1-5.4.1.g

Integrated Network Management
Master Terminal
Subcontroller

ID: sc-proxy-diagnostic **Assigned To:** SAE **Counter:** 430

Brief Description: Subcontrollers can send/receive assigned device diagnostic commands.

Detailed Description: Subcontrollers shall have the capability to send and receive diagnostic commands of the assigned base transmitters and base receivers.

Issues Description:

Source: OP **Issues:** No

Subsystems: **Reference:** SR1-5.4.1.g

Integrated Network Management
Master Terminal
Subcontroller

ID: sc-proxy-polling **Assigned To:** SAE **Counter:** 431
Brief Description: Subcontroller can polling assigned devices.
Detailed Description: Subcontrollers shall have the capability to poll the status of assigned base transmitters and base receivers.
Issues Description: Which commands?
Source: cet **Issues:** Yes
Subsystems: **Reference:** SR1-5.4.1.g

Integrated Network Management
Master Terminal
Subcontroller

ID: sc-statistics **Assigned To:** SAE **Counter:** 432
Brief Description: The SC shall report statistics on communication and internal operations.
Detailed Description: The subcontroller shall report statistics on communication and its internal operations. The statistics include: data packets received, data packets sent, and communication errors on a per interface.
Issues Description:
Source: sac **Issues:** No
Subsystems: **Reference:** SR1-5.4.3.d, SA2-2.1.4

Integrated Network Management

ID: sc-throughput **Assigned To:** SAE **Counter:** 433
Brief Description: Subcontroller throughput within 2.0 seconds.
Detailed Description: A message received at a base receiver and passed to a subcontroller shall be delivered to the NOC within 2.0 seconds (1 frame time plus delay).
Issues Description:
Source: **Issues:** No
Subsystems: **Reference:**

Subcontroller

ID: scada **Assigned To:** CEI **Counter:** 434
Brief Description: Supervisory Control and Data Acquisition
Detailed Description: Destineer shall provide the capability to exchange information such as telemetry with stationary and/or mobile PMUs that are typically unmanned. SCADA service will support either or both of data acquisition and control. Because of the RF cycle time, this is not a "realtime" service. A transaction shall be generated when this feature is invoked.
Issues Description:
Source: cei-gws **Issues:** No
Subsystems: **Reference:** SR1-5.3.5

Agent

ID: scada-acquisition-query **Assigned To:** CEI **Counter:** 435
Brief Description: SCADA acquisition by query
Detailed Description: Destineer shall be able to acquire data from the PMU using a query mechanism. A transaction shall be generated when this feature is invoked.
Issues Description:
Source: cei-gws **Issues:** No
Subsystems: **Reference:** SR1-5.3.5.b

Agent

ID: scada-acquisition-reported **Assigned To:** CEI **Counter:** 436
Brief Description: SCADA acquisition by PMU reporting
Detailed Description: Destineer shall be able to acquire data from a PMU that reports periodically. A transaction shall be generated when this feature is invoked.
Issues Description:
 Source: cei-gws **Issues:** No
 Subsystems: **Reference:** SR1-5.3.5.b

Agent

ID: scada-acquisition-reported-async **Assigned To:** CEI **Counter:** 437
Brief Description: SCADA acquisition by PMU reporting async
Detailed Description: Destineer shall be able to acquire data from a PMU that reports asynchronously. A transaction shall be generated when this feature is invoked.
Issues Description:
 Source: cei-gws **Issues:** No
 Subsystems: **Reference:** SR1-5.3.5.b

Agent

ID: scada-control-async **Assigned To:** CEI **Counter:** 438
Brief Description: SCADA async control
Detailed Description: Destineer shall be able to send controls to a PMU asynchronously. A transaction shall be generated when this feature is invoked.
Issues Description:
 Source: cei-gws **Issues:** No
 Subsystems: **Reference:** SR1-5.3.5.c

Agent

ID: scada-control-basis **Assigned To:** CEI **Counter:** 439
Brief Description: SCADA control basis
Detailed Description: Destineer shall be able to send controls to a PMU on both a confirmed and unconfirmed basis. A transaction shall be generated when this feature is invoked.
Issues Description:
 Source: cei-gws **Issues:** No
 Subsystems: **Reference:** SR1-5.3.5.c

Agent

ID: scada-control-periodically **Assigned To:** CEI **Counter:** 440
Brief Description: SCADA periodic control
Detailed Description: Destineer shall be able to send controls to a PMU periodically. A transaction shall be generated when this feature is invoked.
Issues Description:
 Source: cei-gws **Issues:** No
 Subsystems: **Reference:** SR1-5.3.5.c

Agent

ID: scada-control-timed **Assigned To:** CEI **Counter:** 441
Brief Description: SCADA control at pre-scheduled times
Detailed Description: Destineer shall be able to send controls to a PMU at pre-scheduled times. A transaction shall be generated when this feature is invoked.
Issues Description:
 Source: cei-gws **Issues:** No
 Subsystems: **Reference:** SR1-5.3.5.c

Agent

ID: scheduled_maintenance **Assigned To: ALL** **Counter: 442**

Brief Description: No loss of service during scheduled maintenance.

Detailed Description: The NOC and its software shall be configured so that scheduled maintenance of on-line components will not result in any perceivable loss of service to a zone or an individual subscriber. In other words, the maximum scheduled down time for the entire Destineer system shall be zero.

Issues Description:

Source: Mtel

Issues: No

Subsystems:

Reference:

ID: scripting-language-design **Assigned To: SAE** **Counter: 443**

Brief Description: Design Core Messaging for a scripting language.

Detailed Description: Core Messaging subsystem shall be designed to enable it to be driven by a scripting language.

Issues Description:

Source:

Issues: No

Subsystems:

Reference: CET

Core Messaging

ID: scripting-language-implement **Assigned To: SAE** **Counter: 444**

Brief Description: Implement a scripting language for Core Messaging.

Detailed Description: The capability shall be implemented to enable users to configure Core Messaging with a scripting language.

Issues Description:

Source:

Issues: No

Subsystems:

Reference: CET

Core Messaging

ID: security-gui-view **Assigned To: CEI/SAE** **Counter: 445**

Brief Description: Access to GUI based on role of user

Detailed Description: Access to GUI functions shall be based on roles. The menu selections and the GUIs available to any given user depends on the role of the person is playing at the moment. During a session, a subscriber may be a originator and a recipient. The menu selections are different for the roles. The general categories of users are system operator, customer service representative, customer, subscriber, caller, originator, and recipient. Within the general group, there are levels of authorized functions for security.

Issues Description: Define categories of NWN users and roles within each category. -- The general categories system operator, customer service representative, customer, subscriber, caller, originator, and recipient have been added to the glossary.

Source: cet

Issues: No

Subsystems:

Reference: SR1-5.2.1

ID: send-test-msg **Assigned To: CEI** **Counter: 446**

Brief Description: Send a test message

Detailed Description: Destineer shall be able to send a test message to subscribers. A transaction will be generated that identifies this message as a test message (so it could be unbillable).

Issues Description:

Source: mtel-bms

Issues: No

Subsystems:

Reference: Master Terminal User's Guide 6-5

Business Support System Interface

Master Terminal

Operator Dispatch

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MTEL1212395

ID: serial-interface-config **Assigned To:** **Counter: 447**

Brief Description: Can configure serial interface to accept messages of selected classifications.

Detailed Description: Destineer shall have the capability to configure a serial interface to accept only messages of selected classifications (e.g., video mail).

Issues Description:

Source: cet **Issues:** No
Subsystems: **Reference:**

Application Management
Messaging Application Programming Interface

ID: service-area-location **Assigned To: SAE** **Counter: 448**

Brief Description: Provide marketing service area location.

Detailed Description: A marketing service area (MSA) shall be defined by geographic coordinates (latitude,longitude) to support the location of a PMU. The MSA shall be described by text and by a voice system.

Issues Description:

Source: sae-fpk **Issues:** No
Subsystems: **Reference:** SR1-5.3.6.a

Master Terminal

ID: shared-distribution-list **Assigned To: CEI** **Counter: 449**

Brief Description: Store shared distribution lists

Detailed Description: Distribution lists which may only contain PINs but may be used by multiple subscribers shall be provided. By CET decree, this is a future/deferred capability.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.3.3.g

Application Message Transfer
Character User Interface
Core Messaging
Data Management
Destineer Access for Mac
Destineer Access For MS Windows
Destineer Access for Xwindows
Interactive Voice Response User Interface
Master Terminal
Messaging Application Programming Interface
Operator Dispatch
X.400 Mail Transfer

ID: shared-distribution-lists **Assigned To:** **Counter: 450**

Brief Description: Provide shared distribution lists.

Detailed Description: Destineer shall provide the capability for subscribers to share distribution lists. A shared distribution list is one which may only contain PINs but can be used by multiple subscribers.

Issues Description:

Source: cet **Issues:** No
Subsystems: **Reference:** CET RR 1/25/95

Application Message Transfer
Business Support System Interface
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Destineer Access for Mac
Destineer Access For MS Windows

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Destineer Access for Xwindows
Interactive Voice Response User Interface
Master Terminal
Messaging Application Programming Interface
Operator Dispatch
X.400 Mail Transfer

ID: single-noc-capability **Assigned To: ALL** **Counter: 451**

Brief Description: Single NOC provides full system capability.
Detailed Description: As a design goal, no single NOC site failure shall impact the perceived functionality of the system.
Issues Description:
 Source: cet **Issues:** No
 Subsystems: **Reference:**

ALL

ID: sm-access-functions **Assigned To:** **Counter: 452**

Brief Description: Access to functions will be secure.
Detailed Description: Access security will be enforced for access to NOC software functions. The intent is that third party agents can't get into subscriber profiles and database.)
Issues Description:
 Source: bdm-gph **Issues:** No
 Subsystems: **Reference:** SR1-5.4.4?

Integrated Network Management System

ID: sm-access-levels **Assigned To:** **Counter: 453**

Brief Description: SM shall enforce different levels of access rights
Detailed Description: Access security for data and functions shall allow multiple levels of access rights. For example, some data may be completely inaccessible to some users, available read-only to other users, and available for edit to a third class of users. These access rights will be reflected in the capabilities table.
Issues Description:
 Source: **Issues:** No
 Subsystems: **Reference:**

Integrated Network Management System

ID: sm-alarm **Assigned To:** **Counter: 454**

Brief Description: SM shall send alarms
Detailed Description: SM shall send alarms to FM on security violations including authentication failure and unauthorized access attempts.
Issues Description:
 Source: **Issues:** No
 Subsystems: **Reference:**

Integrated Network Management System

ID: sm-audit-log **Assigned To:** **Counter: 455**

Brief Description: Audit Exception Reports.
Detailed Description: SM shall log security audit data to a security log data service.
Issues Description:
 Source: **Issues:** No
 Subsystems: **Reference:**

Integrated Network Management System

ID: sm-field_encryption **Assigned To:** **Counter: 456**
Brief Description: Certain data should be kept encrypted
Detailed Description: Certain data fields of the subscriber profile (subscriber security code, usage security codes) and all operator login passwords shall be stored in encrypted form.
Issues Description:
Source: **Issues:** No
Subsystems: **Reference:**

Integrated Network Management System

ID: sm-passwords-interface_specific **Assigned To:** **Counter: 457**
Brief Description: Destineer will use passwords for specific terminals and devices
Detailed Description: Destineer NOC software will associate passwords with specific interfaces.
Issues Description: This is largely an OS requirement. If the OS can associate a password with a specific terminal, we can support this. Access security on software interfaces can easily use distinct access passwords for different interfaces.
Source: bdm-gph **Issues:** Yes
Subsystems: **Reference:** derived

Integrated Network Management System

ID: sm-passwords-must_change **Assigned To:** **Counter: 458**
Brief Description: Destineer will employ must-change passwords
Detailed Description: Destineer NOC software will enforce a must-change policy on passwords for new subscribers.
Issues Description: Enforcement of this policy requires support from IVR, other interface points. This is more a user interaction requirement than a security requirement.
Source: bdm-gph **Issues:** Yes
Subsystems: **Reference:** derived

Integrated Network Management System

ID: speech-recognition **Assigned To:** **Counter: 459**
Brief Description: Provide speech recognition of menu selections.
Detailed Description: The Destineer IVR User Interface shall recognize and respond to spoken digits, "pound" and "star" in lieu of DTMF tones for all menu selections.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** CET RR 1/25/95

Interactive Voice Response User Interface

ID: subscriber-capacity **Assigned To: ALL** **Counter: 460**
Brief Description: 1,000,000 subscriber capacity.
Detailed Description: As a minimum, the system shall be capable of supporting 1,000,000 subscribers based on the scenario:
55 zones of operation (with even subscriber distribution among zones),
2400 messages/hour per zone,
80% / 20% forward/reverse ratio in the OTAP frame,
3000 bytes average forward message length,
400 bytes average reverse message length,
3.5 bits per byte compression factor, and
13% busy hour call rate.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** SA1-3.1

ALL

ID: test-equipment-bite **Assigned To: ALL** **Counter: 465**

Brief Description: Destineer equipment avail. for monitoring and testing resources

Detailed Description: Diagnostics equipment shall be provided within Destineer to support monitoring and testing of all network resources including subcontrollers, base receivers, base transmitters, multiplexers and NOC elements.

Issues Description:

Source: OP

Issues: No

Subsystems:

Reference: SR1-5.4.1.g-12

ID: text-forward-selected-to-address **Assigned To: CEI** **Counter: 466**

Brief Description: Forward to an address selected text messages

Detailed Description: A subscriber shall be able to automatically forward (autocopy or forward with no copy) selected text messages (based on the originator of the message) to an address or distribution list. Optionally, all other messages would have delivery notification level of service only. When a subscriber forwards selected messages to another subscriber, the following message is delivered to the new recipient "SELECTED MESSAGES WILL BE FORWARDED FROM name/PIN xxxxxx". When forwarding is cancelled by the initiating subscriber or by customer service the following message is sent to the former destination PIN: "MESSAGE FORWARDING FROM name/PIN xxxxxx CANCELED". The subscriber who forwards messages is referred to as the initiating subscriber. Unless auto copying, the initiating subscriber does not get a copy of any of the forwarded messages while the forwarding is in effect. If a subscriber attempts to forward his messages to another subscriber who has his PIN forwarded or has disallowed delivery of forwarded messages, the initiating subscriber has forwarding to that PIN immediately cancelled and receives the following message: "FORWARDING TO PIN xxxxxx CURRENTLY NOT ALLOWED".

Issues Description: May messages be forwarded to another subscriber's PMU? If so what are the restrictions (default could be to disallow forwarding of messages to a PMU)?

How are forwarded messages selected? Do it per Dinesh 8/23/93.

Is this still a valid requirement? (JH, 2/95)

Source: cei-jdg

Issues: Yes

Subsystems:

Reference: SR1-5.1.1.3, IVRFCFM-2.5

ID: text-msg-compose **Assigned To: CEI** **Counter: 467**

Brief Description: Compose a text message

Detailed Description: A caller shall be able to edit, play, and erase a text message. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i

Business Support System Interface
Character User Interface
Destineer Access for Mac
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Destineer Access for Xwindows
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Master Terminal
Operator Dispatch

ID: text-to-speech **Assigned To: CEI** **Counter: 468**

Brief Description: Translate text to speech

Detailed Description: Destineer shall be able to translate ASCII text to speech.

Issues Description:

Source: cei-gws

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i

Interactive Voice Response User Interface

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ID: tm-access-api **Assigned To:** **Counter: 469**
Brief Description: TM will have an API
Detailed Description: Destineer shall provide an Application Program Interface for access to all transaction data types (e.g., IVR connect transactions).
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-3.5.2.1.e, SR1-5.5.4.b

Transaction Management

ID: tm-configure **Assigned To:** **Counter: 470**
Brief Description: Provide capability to turn on/off data logging via a GUI in real-time.
Detailed Description: Destineer shall provide the capability to configure transactions on a per-process basis (that is, be able to turn data logging on and off). The configuration shall be controllable by a graphical user interface (GUI), which allows reconfiguration of a process in real-time.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** CET RR 1/25/95

Transaction Management

ID: tm-data-availability **Assigned To: Mtel** **Counter: 471**
Brief Description: TM to ensure availability of transaction data
Detailed Description: Destineer shall ensure 99.999% availability of transaction data.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.5.4.c-3

Transaction Management

ID: tm-data-billing-access **Assigned To: Mtel** **Counter: 472**
Brief Description: TM shall provide transaction data for billing.
Detailed Description: Destineer shall provide transaction data to Mtel and third party billing systems.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.5.4.b

Business Support System Interface
Transaction Management

ID: tm-data-filtered **Assigned To: Mtel** **Counter: 473**
Brief Description: TM to record the transaction data types specified by operator.
Detailed Description: Destineer shall record selected transaction data types. Note that some minimal subset of critical information (e.g., performance data, billing data) will always be recorded, and will not be under system operator control.
Issues Description:
Source: cet **Issues:** No
Subsystems: **Reference:** SR1-5.5.4.a

Master Terminal
Transaction Management

ID: tm-exceptions **Assigned To:** **Counter: 474**

Brief Description: Provide capability to exclude selected processes from TM.

Detailed Description: Destineer shall provide the capability to exclude certain designated processes from transaction management. A remote subcontroller, if it were allowed to generate transactions, would create too much Frame Relay Traffic.

Issues Description:

Source: cet **Issues:** No
Subsystems: **Reference:** CET RR 1/25/95

Transaction Management

ID: tm-review **Assigned To:** **Counter: 475**

Brief Description: Provide capability to view TM data using a GUI and filter.

Detailed Description: Destineer shall provide the capability to view transaction data in real-time using a GUI. The GUI shall provide the capability to apply a filter (by date, by time, and/or by any other field stored in the transaction database).

Issues Description:

Source: **Issues:** No
Subsystems: **Reference:** CET RR 1/25/95

Transaction Management

ID: tm-store **Assigned To:** **Counter: 476**

Brief Description: Store transaction data and support on-line and batch queries.

Detailed Description: Destineer shall provide the capability to write transaction data to a database. The database shall handle both on-line queries (for customer support) and batch queries (for billing and MIS use).

Issues Description:

Source: cet **Issues:** No
Subsystems: **Reference:** CET RR 1/25/95

Transaction Management

ID: tm-trace-data **Assigned To:** **Counter: 477**

Brief Description: Provide the capability to trace a user's actions through the system.

Detailed Description: Destineer shall provide the capability to trace a user's actions (such as send a page, modify user profile) on the system. Transactions will be generated for all events associated with a user action. These transactions will be linked to the user's first action. A user is a subscriber, a non-subscriber, an ODS operator, a Customer Service Representative (CSR), etc.

Reference documents include: (1) OMT Design Model Transaction Management, Version 2.0, Document B180, (2) Interface Control Document Transaction Management, Version 3.0, Document B181, and (3) List of transactions for Destineer System, Version 0.1, August 1994.

Issues Description:

Source: cet **Issues:** No
Subsystems: **Reference:** CET RR 1/25/95

Transaction Management

ID: transaction-fpc **Assigned To: SAE** **Counter: 478**

Brief Description: Support billing of FPC activity by subscribers.

Detailed Description: For each message processed, the FPC will record the date/time, message type, message length, grade of delivery, destination zone and number of slots allocated in the reverse channel. Information will be stored in the transaction database.

Issues Description:

Source: sac-dvs **Issues:** No
Subsystems: **Reference:** SR1-5.2.3.a

RF Message Transfer
Transaction Management

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ID: transaction-logging **Assigned To: SAE** **Counter: 479**

Brief Description: Log transactions

Detailed Description: The system must log transaction information for statistic, performance, and billing purposes.

Issues Description:

Source: mtel-jws

Issues: No

Subsystems:

Reference: SR1-5.2.2.1.b, c, e, SR1-Table 1

Application Management
Application Message Transfer
Business Support System Interface
Character User Interface
Core Messaging
Data Management
EDI Message Transfer
Fax Message Transfer
Integrated Network Management
Interactive Voice Response User Interface
Master Terminal
Master Terminal
Operator Dispatch
RF Message Transfer
Security Management
Transaction Management
X.400 Mail Transfer

ID: transaction-rpc **Assigned To: SAE** **Counter: 480**

Brief Description: RPC shall create transactions for billing.

Detailed Description: The reverse path controller shall generate a transaction for each message received. Included in the transaction will be the zone/receiver the message was received on, the message type(Slot Request, ACK, Data Packet, etc...), and the message length.

Issues Description:

Source: sae-jmc

Issues: No

Subsystems:

Reference: SR1-5.5.4

RF Message Transfer
Transaction Management

ID: ui-character-internet-interface **Assigned To: CEI** **Counter: 481**

Brief Description: Character user interface for access.

Detailed Description: A character based user interface will be provided for callers who access Destineer directly via the Internet. A transaction shall be generated when this feature is invoked.

GAR

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-5.2.1.c

ID: ui-character-serial-interface **Assigned To: CEI** **Counter: 482**

Brief Description: Character user interface for access.

Detailed Description: A character based user interface will be provided for callers who access Destineer directly via the serial external interface. A transaction shall be generated when this feature is invoked.

GAR

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-5.2.1.c

ID: ui-directory **Assigned To:** **Counter: 483**

Brief Description: A directory service shall be available.

Detailed Description: A directory service shall be available to assist identification of recipient's <service> mailbox address. This service does not have to be X.500 initially. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cet

Issues: No

Subsystems:

Reference: first issue, page 5, DRI 2-5-94

Application Message Transfer
Business Support System Interface
Character User Interface
Data Management
Destineer Access for Mac
Destineer Access For MS Windows
Destineer Access for Xwindows
Interactive Voice Response User Interface
Master Terminal
Messaging Application Programming Interface
Operator Dispatch
X.400 Mail Transfer

ID: ui-dtmf **Assigned To: CEI** **Counter: 484**

Brief Description: DTMF user interface

Detailed Description: A DTMF-only based user interface shall be provided for callers. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: UMS Tone Beep

ID: ui-gui **Assigned To: CEI** **Counter: 485**

Brief Description: Interactive graphical user interface

Detailed Description: A graphical user interface will be provided for callers.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-5.2.1.c

Destineer Access for Mac
Destineer Access For MS Windows
Destineer Access for Xwindows

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ID: ui-internet-email

Assigned To: CEI

Counter: 486

Brief Description: Internet user interface for sending email messages

Detailed Description: Destineer shall provide a email messaging internet user interface that has the following requirements(* functions are subscriber only):

- *email-annotate
- *email-autocopy
- *email-autofollow
- *email-comment
- *email-concatenate
- email-deferred-delivery
- *email-defined-escalation-hierarchy
- *email-delete
- email-directory
- *email-document-number
- *email-file
- *email-forward
- *email-forward-to-selected-address
- email-grade-of-delivery
- email-mark-confidential
- email-msg-compose
- *email-hold-delivery
- email-request-non-receipt-notification
- *email-msg-retrieve
- *email-name
- email-request-receipt-notification
- *email-redirect
- *email-release-held-email-messages
- *email-reply
- *email-review-held-email-messages
- *email-save
- email-send
- email-sender-ID
- *email-send-external
- *email-set-usage-key
- *email-usage-key
- *ui-manage-profile
- coverage-info
- msg-adhoc-list
- ui-online-help
- *ui-mailbox-maintenance

A transaction shall be generated when this feature is invoked.

NOTE: Nonsubscribers will not be able to request receipt and non-receipt notification.

Issues Description:

Source: cci

Issues: No

Subsystems:

Reference:

ID: ui-internet-text

Assigned To: CEI

Counter: 487

Brief Description: Internet user interface for sending text messages

Detailed Description: Destinee shall provide a text messaging Internet user interface that has the following requirements(* functions are subscriber only):

- *text-annotate
- *text-autocopy
- *text-comment
- *text-concatenate
- text-deferred-delivery
- *text-defined-escalation-hierarchy
- *text-delete
- text-directory
- *text-document-number
- *text-file
- *text-forward
- *text-forward-to-selected-address
- text-grade-of-delivery
- text-mark-confidential
- text-msg-compose
- *text-hold-delivery
- text-request-non-receipt-notification
- *text-msg-retrieve
- *text-name
- text-request-receipt-notification
- *text-redirect
- *text-release-held-text-messages
- *text-reply
- *text-review-held-text-messages
- *text-save
- text-send
- text-sender-ID
- *text-set-usage-key
- *text-usage-key
- *ui-manage-profile
- coverage-info
- msg-adhoc-list
- ui-online-help
- *ui-mailbox-maintenance

A transaction shall be generated when this feature is invoked.

NOTE: Nonsubscribers will not be able to request receipt and non-receipt notification.

Issues Description:

Source:
Subsystems:

Issues: No
Reference:

ID: ui-ivr-email

Assigned To: CEI

Counter: 488

Brief Description: Voice user interface for sending email messages

Detailed Description: Destineer shall provide a voice messaging user interface for email that has the following requirements(* functions are subscriber only):

- *email-annotate
- *email-autocopy
- *email-autofollow
- *email-comment
- *email-concatenate
- *email-deferred-delivery
- *email-define-escalation-hierarchy
- *email-delete
- email-directory
- *email-document-number
- *email-file
- *email-forward
- *email-forward-to-selected-address
- *email-hold-delivery
- *email-msg-retrieve
- *email-name
- *email-redirect
- *email-release-held-email-messages
- *email-review-held-email-messages
- *email-save
- *email-set-usage-key
- *email-usage-key
- multi-lingual-user-dynamic
- *ui-manage-profile
- ui-coverage-info
- ui-online-help
- *ui-mailbox-maintenance

A transaction shall be generated when this feature is invoked.

Issues Description:

Source:

Issues: No

Subsystems:

Reference:

ID: ui-ivr-fax

Assigned To: CEI

Counter: 489

Brief Description: IVR user interface for fax messages

Detailed Description: Destinceer shall provide a fax messaging IVR user interface that has the following requirements(* functions are subscriber only):

- *fax-annotate
- *fax-autocopy
- *fax-comment
- *fax-concatenate
- fax-deferred-delivery
- *fax-defined-escalation-hierarchy
- *fax-delete
- fax-directory
- *fax-document-number
- *fax-file
- *fax-forward
- *fax-forward-to-selected-address
- fax-grade-of-delivery
- fax-mark-confidential
- fax-immediate
- *fax-hold-delivery
- fax-request-non-receipt-notification
- *fax-retrieve
- *fax-name
- *fax-off-peak
- *fax-on-demand
- fax-request-receipt-notification
- *fax-redirect
- *fax-release-held-messages
- *fax-reply
- *fax-retrieve
- *fax-review-held-messages
- *fax-save
- *fax-send-from-mbox
- *fax-send-new-mbox
- fax-sender-ID
- *fax-set-usage-key
- *fax-usage-key
- *ui-manage-profile
- coverage-info
- ui-online-help
- *ui-mailbox-maintenance
- *ui-internet-fax

A transaction shall be generated when this feature is invoked.

NOTE: Nonsubscribers will not be able to request receipt and non-receipt notification.

Issues Description:

Source:
Subsystems:

Issues: No
Reference:

ID: ui-ivr-fax-retries

Assigned To: CEI

Counter: 490

Brief Description:

Detailed Description: A subscriber shall be able to set the number of fax retries. The options are Minimum Retries, Normal Retries, or Maximum Retries, with a note to the user that if thers aren't acceptable, contact 1-800-sky-user for additional options.

Issues Description:

Source:
Subsystems:

Issues: No
Reference: issue 5, page 14, DRI 2/5/94

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ID: ui-ivr-feature-description **Assigned To:** CEI **Counter:** 491

Brief Description: Standard feature description option

Detailed Description: The DTMF system will implement on each menu a standard option to reach feature descriptions.

Issues Description:

Source:

Issues: No

Subsystems:

Reference:

ID: ui-ivr-prof-fax-set-retries **Assigned To:** CEI **Counter:** 492

Brief Description: Provide for a subscriber to select one of the fax retry options via the DTMF UI.

Detailed Description: A DTMF UI subscriber shall be able to select one of the fax retry options. The options are minimum Retries, Normal Retries, or Maximum Retries, with a note to the user that if these are not acceptable, contact 1-800-sky-user for additional options.

Issues Description:

Source:

Issues: No

Subsystems:

Reference: issue 3, page 8, DRI 2/5/94

ID: ui-ivr-text **Assigned To:** CEI **Counter:** 493

Brief Description: IVR user interface for sending text messages

Detailed Description: Destineer shall provide a text messaging IVR user interface that has the following requirements(* functions are subscriber only):

- *text-annotate
- *text-autocopy
- *text-comment
- *text-concatenate
- text-deferred-delivery
- *text-defined-escalation-hierarchy
- *text-delete
- *text-document-number
- *text-file
- *text-forward
- *text-forward-to-selected-address
- text-grade-of-delivery
- text-mark-confidential
- text-msg-compose
- *text-hold-delivery
- text-request-non-receipt-notification
- *text-msg-retrieve
- *text-name
- text-request-receipt-notification
- *text-redirect
- *text-release-held-messages
- *text-reply
- *text-save
- text-send
- text-sender-ID
- *text-set-usage-key
- *text-usage-key
- multi-lingual-user-dynamic
- *ui-manage-profile
- *ui-record-greeting
- ui-coverage-info
- adhoc-distribution-list
- ui-online-help
- *ui-mailbox-maintenance

A transaction shall be generated when this feature is invoked.

Issues Description:

Source:

Issues: No

Subsystems:

Reference:

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MTEL1212409

ID: ui-ivr-voice

Assigned To: CEI

Counter: 494

Brief Description: Voice user interface for sending voice messages

Detailed Description: Destineer shall provide a voice messaging user interface that has the following requirements(* functions are subscriber only):

- *voice-annotate
- *voice-autocopy
- *voice-comment
- *voice-concatenate
- voice-deferred-delivery
- *voice-defined-escalation-hierarchy
- *voice-delete
- voice-directory
- *voice-document-number
- *voice-file
- *voice-forward
- *voice-forward-to-selected-address
- voice-grade-of-delivery
- voice-mark-confidential
- voice-msg-compose
- *voice-hold-delivery
- voice-request-non-receipt-notification
- *voice-retrieve
- *voice-name
- voice-request-receipt-notification
- *voice-redirect
- *voice-release-held-voice-messages
- *voice-reply
- *voice-review-held-voice-messages
- *voice-save
- voice-send
- voice-sender-ID
- *voice-set-usage-key
- *voice-skip
- *voice-usage-key
- *voice-record-greeting
- multi-lingual-user-dynamic
- *ui-manage-profile
- coverage-info
- msg-adhoc-list
- ui-online-help
- *ui-mailbox-maintenance

A transaction shall be generated when this feature is invoked.

NOTE: Nonsubscribers will not be able to request receipt and non-receipt notification.

Issues Description:

Source:

Issues: No

Subsystems:

Reference:

ID: ui-mailbox-maintenance **Assigned To: CEI** **Counter: 495**

Brief Description: User interface for maintaining mailbox.

Detailed Description: Destineer shall provide user interface which allows subscribers to manage messages of all types contained in their mailbox. A transaction shall be generated when this feature is invoked. Required functions are:

- mbox-advance-next-msg
- mbox-back-previous-msg
- mbox-retransmit-msg
- mbox-configuration-report
- mbox-distribution-list-report
- mbox-message-summary
- mbox-storage-report
- mbox-usage-report

Issues Description:

Source: cei-jdg
Subsystems:

Issues: No
Reference: SR1-3.3.1.a.i, SR1-5.2.1.c

ID: ui-manage-profile **Assigned To: CEI** **Counter: 496**

Brief Description: User interface to manage subscriber profile.

Detailed Description: Destineer shall provide an interface to allow a subscriber to manage their profile. A transaction shall be generated when this feature is invoked. The following profile functions are included:

- prof-change-security-code
- prof-define-escalation-hierarchy
- prof-delivery-content-parts
- prof-disallow-forward
- prof-display-msg-transformation
- prof-distribution-list
- prof-escalate-messaging
- prof-follow-me
- prof-menu-preferences
- prof-msg-replay-sequence
- prof-msg-retention-time
- prof-msg-sequence-numbering
- prof-non-receipt-notification-delay
- prof-receipt-notification
- prof-sender-csi
- prof-sender-id
- prof-set-outdial-code
- prof-set-security-code
- prof-subscriber-csi
- prof-time-stamping
- prof-set-encryption-preference

NOTE: Nonsubscribers will not be able to request receipt and non-receipt notification.

Issues Description:

Source: cei-jdg
Subsystems:

Issues: No
Reference: SR1-3.3.1.a.i, SR1-5.2.1.c

ID: ui-multi-lingual **Assigned To: CEI** **Counter: 497**

Brief Description: Multi-lingual user interface

Detailed Description: Packaged user computer interfaces such as Destineer Access shall be multi-lingual. The interface shall support different languages configured statically (sold in a specific language). There shall be no dependency on English. Interfaces will be functionally equivalent in different language environments.

Issues Description:

Source: cei-gws
Subsystems:

Issues: No
Reference: SR1-3.5.1.2, SR1-5.2.1.b

- Application Message Transfer
- Character User Interface
- Destineer Access for Mac

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Destineer Access For MS Windows
Destineer Access for Xwindows
Interactive Voice Response User Interface
Master Terminal
Messaging Application Programming Interface
Operator Dispatch
X.400 Mail Transfer

ID: ui-multi-lingual-dynamic **Assigned To: CEI** **Counter: 498**

Brief Description: Dynamic multi-lingual user interface

Detailed Description: All user interfaces will come in a version which allows the user to choose the language dynamically (user selectable at runtime).

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.5.1.2, SR1-5.2.1.b

Application Message Transfer
Character User Interface
Destineer Access for Mac
Destineer Access For MS Windows
Destineer Access for Xwindows
Interactive Voice Response User Interface
Master Terminal
Messaging Application Programming Interface
Operator Dispatch
X.400 Mail Transfer

ID: ui-non-ivr-prof-fax-set-retries **Assigned To: CEI** **Counter: 499**

Brief Description: Provide a subscriber the ability to select the fax retry options via a UI

Detailed Description: A subscriber shall be able to select one of the fax retry options as well as set the retry algorithm variables. The options are Minimum Retries, Normal Retries, Maximum Retries, or Custom Retry Settings.

Issues Description:

Source: **Issues:** No
Subsystems: **Reference:** issue 5, page 8, DRI document 2/5/94

ID: ui-online-help **Assigned To: CEI** **Counter: 500**

Brief Description: Provide online help to users

Detailed Description: As part of subscriber user interface Destineer shall provide online help on theory of operation of Destineer, error conditions, how to configure their subscriber profile, how to use available services, ways to keep service charges to a minimum, scenarios for using various services or features. A transaction shall be generated when this feature is invoked.

Issues Description: Needs more specific definition.

Source: cei-jdg **Issues:** Yes
Subsystems: **Reference:** SR1-5.2.1.c

ID: ui-query **Assigned To: CEI** **Counter: 501**

Brief Description: User query

Detailed Description: A subscriber shall be able to query Destineer for information. Examples of information are stock quotations, customer billing information, national/regional/local information, weather, and news. A transaction shall be generated when this feature is invoked.

Issues Description: Reword to emphasize UI. How different from other UI.

Source: cei-gws **Issues:** No
Subsystems: **Reference:** SR1-5.3.7.c

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ID: ui-record-greeting **Assigned To:** CEI **Counter:** 502

Brief Description: Record text greeting

Detailed Description: A subscriber shall be able to have text and/or voice greeting for each service authorized.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-3.3.1.a.i

ID: ui-serial-email **Assigned To:** CEI **Counter:** 503

Brief Description: Serial user interface for sending email messages

Detailed Description: Destineer shall provide a serial user interface which will allow subscribers to perform multiple email messaging functions via a PSTN dial-up modem connection to Destineer. The user interface must be available for use on MS-DOS, MS-Windows 3.1, Macintosh System 7, Unix prompt, and X-Windows operating environments. The following requirements must be supported (* functions are subscriber only):

- *email-annotate
- *email-autocopy
- *email-autofollow
- *email-comment
- *email-concatenate
- email-deferred-delivery
- *email-defined-escalation-hierarchy
- *email-delete
- email-directory
- *email-document-number
- *email-file
- *email-forward
- *email-forward-to-selected-address
- email-grade-of-delivery
- email-mark-confidential
- email-msg-compose
- *email-hold-delivery
- email-request-non-receipt-notification
- *email-msg-retrieve
- *email-name
- email-request-receipt-notification
- *email-redirect
- *email-release-held-email-messages
- *email-reply
- *email-review-held-email-messages
- *email-save
- email-send
- email-sender-ID
- *email-send-external
- *email-set-usage-key
- *email-usage-key
- *ui-manage-profile
- coverage-info
- msg-adhoc-list
- ui-online-help
- *ui-mailbox-maintenance

A transaction shall be generated when this feature is invoked.

NOTE: Nonsubscribers will not be able to request receipt and non-receipt notification.

Issues Description:

Source:

Issues: No

Subsystems:

Reference:

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MTEL1212413

ID: ui-serial-fax

Assigned To: CEI

Counter: 504

Brief Description: Serial user interface for sending fax messages

Detailed Description: Destineer shall provide a serial user interface which will allow subscribers to perform multiple text messaging functions via a PSTN dial-up modem connection to Destineer. The user interface must be available for use on MS-DOS, MS-Windows 3.1, Macintosh System 7, Unix prompt, and X-Windows operating environments. The following requirements must be supported (* functions are subscriber only):

- *fax-annotate
- *fax-autocopy
- *fax-comment
- *fax-concatenate
- fax-deferred-delivery
- *fax-defined-escalation-hierarchy
- *fax-delete
- fax-directory
- *fax-document-number
- *fax-file
- *fax-forward
- *fax-forward-to-selected-address
- fax-grade-of-delivery
- fax-mark-confidential
- fax-immediate
- fax-send-original
- *fax-hold-delivery
- fax-request-non-receipt-notification
- *fax-msg-retrieve
- *fax-name
- *fax-off-peak
- *fax-on-demand
- fax-request-receipt-notification
- *fax-redirect
- *fax-release-held-messages
- *fax-reply
- *fax-retrieve
- *fax-review-held-messages
- *fax-save
- *fax-send-from-mbox
- *fax-send-new-mbox
- fax-sender-ID
- *fax-set-usage-key
- *fax-usage-key
- multi-lingual-user-dynamic
- *ui-manage-profile
- coverage-info
- ui-online-help
- *ui-mailbox-maintenance

A transaction shall be generated when this feature is invoked.

NOTE: Nonsubscribers will not be able to request receipt and non-receipt notification.

Issues Description:

Source:
Subsystems:

Issues: No
Reference:

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MTEL1212414

ID: ui-serial-text

Assigned To: CEI

Counter: 505

Brief Description: Serial user interface for sending text messages

Detailed Description: Destineer shall provide a serial user interface which will allow subscribers to perform multiple text messaging functions via a PSTN dial-up modem connection to Destineer. The user interface must be available for use on MS-DOS, MS-Windows 3.1, Macintosh System 7, Unix prompt, and X-Windows operating environments. The following requirements must be supported (* functions are subscriber only):

- *text-annotate
- *text-autocopy
- *text-comment
- *text-concatenate
- text-deferred-delivery
- *text-defined-escalation-hierarchy
- *text-delete
- text-directory
- *text-document-number
- *text-file
- *text-forward
- *text-forward-to-selected-address
- text-grade-of-delivery
- text-mark-confidential
- text-msg-compose
- *text-hold-delivery
- text-request-non-receipt-notification
- *text-msg-retrieve
- *text-name
- text-request-receipt-notification
- *text-redirect
- *text-release-held-text-messages
- *text-reply
- *text-review-held-text-messages
- *text-save
- text-send
- text-sender-ID
- *text-set-usage-key
- *text-usage-key
- *text-record-greeting
- multi-lingual-user-dynamic
- *ui-manage-profile
- coverage-info
- msg-adhoc-list
- ui-online-help
- *ui-mailbox-maintenance

A transaction shall be generated when this feature is invoked.

NOTE: Nonsubscribers will not be able to request receipt and non-receipt notification.

Issues Description:

Source:
Subsystems:

Issues: No
Reference:

ID: ui-set-retention

Assigned To:

Counter: 506

Brief Description: User interface for retention times.

Detailed Description: A user interface shall be provided to allow the system operator to set default on-line retention times for all data types.

Issues Description:

Source: cet
Subsystems:

Issues: No
Reference: SR1-5.2.2.2.c, SR1-5.2.2.3.b

Application Message Transfer
Character User Interface
Interactive Voice Response User Interface

ID: universal-access-interface-subscri **Assigned To: CEI** **Counter: 512**

Brief Description: Universal Access allows subscriber to access his mailboxes
Detailed Description: When a subscriber calls own personal 800 number and enters his/her security code, the menu allows him/her to select any of the authorized service menus.

Issues Description:
Source: mtel-bms **Issues:** No
Subsystems: **Reference:** UMS Release 3.1

Character User Interface
Interactive Voice Response User Interface

ID: usage-security-code-check **Assigned To: CEI/SAE** **Counter: 513**

Brief Description: Usage security code will be checked on incoming messages.
Detailed Description: The system shall provide the capability for a subscriber to block acceptance of messages if the sender does not enter a valid usage security code chosen by the subscriber. This capability will be supported on a service-by-service basis as supported by the messaging protocol of the service.,

Issues Description: The Fax Message Transfer subsystem has no way to prompt for a usage code, so the caller will need to know to enter these digits. This could be confusing for users, and could create many calls to customer service if a subscriber has his fax use enabled, but did not explain to people sending his faxes how to use it. Resolution: Nothing this requirement must stay as is

Source: cei-nps **Issues:** No
Subsystems: **Reference:**

Application Message Transfer
Business Support System Interface
Character User Interface
Core Messaging
Data Management
Destineer Access for Mac
Destineer Access For MS Windows
Fax Message Transfer
Interactive Voice Response User Interface
Master Terminal
Messaging Application Programming Interface
Operator Dispatch
RF Message Transfer
X.400 Mail Transfer

ID: usage-security-code-enable **Assigned To:** **Counter: 514**

Brief Description: Enable and disable usage security code
Detailed Description: A subscriber shall be able to enable/disable his/her usage security code for each service. A transaction shall be generated when this feature is invoked.

Issues Description: Usage security code cannot be enforced for all services.
Source: **Issues:** Yes
Subsystems: **Reference:** SR1-3.3.1.a.i, SR1-5.2.2.1.a

Application Message Transfer
Character User Interface
Data Management
Destineer Access for Mac
Destineer Access For MS Windows
Interactive Voice Response User Interface
Master Terminal

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MTEL1212417

Messaging Application Programming Interface
Operator Dispatch

ID: usage-security-code-set **Assigned To:** **Counter: 515**

Brief Description: Set usage security code

Detailed Description: A subscriber shall be able to set the value of the usage security code on a service by service basis. A transaction shall be generated when this feature is invoked.

Issues Description: Usage security codes cannot be supported on all services.

Source: **Issues:** Yes

Subsystems: **Reference:** SR1-3.3.1.a.i, SR1-5.2.2.1.a

Application Message Transfer
Character User Interface
Data Management
Destineer Access for Mac
Destineer Access For MS Windows
Fax Message Transfer
Interactive Voice Response User Interface
Master Terminal
Messaging Application Programming Interface
Operator Dispatch

ID: use-new-pin **Assigned To:** CEI **Counter: 516**

Brief Description: If PIN has changed, inform caller and use new PIN

Detailed Description: If a caller has entered a PIN that has changed, Destineer shall inform the caller of the new PIN for a certain time period. Destineer shall continue processing using the new PIN. A table will be kept to indicate how long the old PIN/new PIN association is kept.

Issues Description:

Source: mtel-bms **Issues:** No

Subsystems: **Reference:** UMS Release 3.1

Application Message Transfer
Business Support System Interface
Character User Interface
Data Management
Destineer Access for Mac
Destineer Access For MS Windows
Destineer Access for Xwindows
Interactive Voice Response User Interface
Master Terminal
Messaging Application Programming Interface
Operator Dispatch
X.400 Mail Transfer

ID: user-profile-net_services **Assigned To:** **Counter: 517**

Brief Description: Identification of network services per user

Detailed Description: The user authorization profile shall identify subscriber services available to each subscriber.

Issues Description:

Source: cet **Issues:** No

Subsystems: **Reference:** BDM1-3.5.1.3.1.11.1, SR1-5.6.1.a(iv)

ID: virtual-network **Assigned To: CEI** **Counter: 518**
Brief Description: Virtual Private Data Networks
Detailed Description: A developer shall be able to establish a Virtual Private Data Network using Destineer. As with third-party applications, the developer will NOT be given direct access to NOC services or database. All requests for service and data must be verified and authorized.
Issues Description: Needs further definition
Source: cei-gws **Issues:** Yes
Subsystems: **Reference:** SR1-5.3.8

ID: voice-auto-copy **Assigned To: CEI** **Counter: 519**
Brief Description: Forward a voice message with copy
Detailed Description: A subscriber shall be able to forward (Mtel) a voice message to another subscriber. The subscriber who forwards messages with auto copy is referred to as the initiating subscriber. The initiating subscriber gets a copy of all messages forwarded. When a subscriber forwards his messages to another subscriber, the following message is delivered to the new recipient's PIN: "MESSAGES WILL BE FORWARDED WITH AUTO COPY FROM name/PIN xxxxxx". When forwarding is cancelled by the initiating subscriber or by customer service, the following message is sent to the former destination PIN: "MESSAGE FORWARDING WITH AUTO COPY FROM name/PIN xxxxxx CANCELED". If a subscriber attempts to forward with auto copy his messages to another subscriber who has his PIN forwarded or has disallowed delivery of forwarded messages, the initiating subscriber has forwarding with auto copy to that PIN immediately cancelled. The initiating subscriber will receive an error message explaining why his forwarding to that PIN was disallowed. A transaction shall be generated when this feature is invoked.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i, IVRFCFM-2.5.1

ID: voice-broadcast **Assigned To: CEI** **Counter: 520**
Brief Description: Voice broadcast to subscribers
Detailed Description: A service shall be provided which will allow broadcasting a voice message to all subscribers who have voice messaging service. A transaction shall be generated when this feature is invoked.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.v

ID: voice-concatenate **Assigned To: CEI** **Counter: 521**
Brief Description: Concatenate voice messages
Detailed Description: A subscriber shall be able to concatenate/unconcatenate voice messages A transaction shall be generated when this feature is invoked.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

ID: voice-deferred-delivery **Assigned To: CEI** **Counter: 522**
Brief Description: Defer delivery until future time
Detailed Description: A caller shall be able to send a voice message for future delivery at a specified date and time (time of day voice message).
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

ID: voice-define-alternate-delivery **Assigned To:** **Counter: 523**

Brief Description:

Detailed Description: "Destineer shall provide the capability to define the alternate delivery address for each service."

Issues Description:

Source: **Issues:** No
Subsystems: **Reference:** issue2 , page 4 , DRI 2/25/94

ID: voice-delete **Assigned To: CEI** **Counter: 524**

Brief Description: Delete voice mail message

Detailed Description: A subscriber shall be able to delete a voice mail message. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

ID: voice-delivery-acknowledgement **Assigned To: CEI** **Counter: 525**

Brief Description: Notify subscriber of voice delivery

Detailed Description: Destineer shall be able to send a delivery acknowledgement to notify the subscriber recipient that a new voice message has been received.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

ID: voice-delivery-notification **Assigned To: CEI** **Counter: 526**

Brief Description: Notify subscriber of voice dleivery ack

Detailed Description: Destineer shall be able to send a notification to notify the subscriber recipient that a delivery acknowledgement has been received.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

ID: voice-document-number **Assigned To: CEI** **Counter: 527**

Brief Description: Assign document-number to voice message

Detailed Description: A subscriber shall be able to assign a document number to a filed voice message. A subscriber may assign a document number to a message that is about to be filed or has previously been filed. A document number is unique within each subscriber's mailbox. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

ID: voice-file **Assigned To: CEI** **Counter: 528**

Brief Description: File a voice message

Detailed Description: A subscriber shall be able to store a filed voice message long term with a optional document number, optional document name, and optional voice annotation. A transaction shall be generated when this feature is invoked.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i

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ID: voice-forward **Assigned To: CEI** **Counter: 529**

Brief Description: Forward a voice message with no copy

Detailed Description: A subscriber shall be able to forward a voice message to an address or distribution list. The subscriber who forwards his messages is referred to as the initiating subscriber. When a subscriber forwards his messages to another subscriber, the following message is delivered to the new recipient's PIN: "MESSAGES WILL BE FORWARDED FROM name/PIN xxxxxx". When forwarding is cancelled by the initiating subscriber or by customer service the following message is sent to the former destination PIN: "MESSAGE FORWARDING FROM name/PIN xxxxxx CANCELED". The initiating subscriber does not get a copy of any of the messages while the forwarding is in effect. If a subscriber attempts to forward his messages to another subscriber who has his PIN forwarded or has disallowed delivery of forwarded messages, the initiating subscriber has forwarding to that PIN immediately cancelled and receives the following message: "FORWARDING TO PIN xxxxxx CURRENTLY NOT ALLOWED".

Issues Description:

Source: cei-jdg
Subsystems:

Issues: No
Reference: SR1-3.3.1.a.i, IVRFCFM-2.5

ID: voice-forward-selected-to-address **Assigned To: CEI** **Counter: 530**

Brief Description: Forward to an address selected voice messages

Detailed Description: A subscriber shall be able to automatically forward (autocopy or forward with no copy) selected voice messages (based on the originator of a message only) to an address or distribution list. Optionally, all other messages would have delivery notification level of service only. When a subscriber forwards selected messages to another subscriber, the following message is delivered to the new recipient "SELECTED MESSAGES WILL BE FORWARDED FROM name/PIN xxxxxx". When forwarding is cancelled by the initiating subscriber or by customer service the following message is sent to the former destination PIN: "MESSAGE FORWARDING FROM name/PIN xxxxxx CANCELED". The subscriber who forwards messages is referred to as the initiating subscriber. Unless auto copying, the initiating subscriber does not get a copy of any of the forwarded messages while the forwarding is in effect. If a subscriber attempts to forward his messages to another subscriber who has his PIN forwarded or has disallowed delivery of forwarded messages, the initiating subscriber has forwarding to that PIN immediately cancelled and receives the following message: "FORWARDING TO PIN xxxxxx CURRENTLY NOT ALLOWED". A transaction shall be generated when this feature is invoked.

Issues Description: May messages be forwarded to another subscriber's PMU? If so what are the restrictions (default could be to disallow forwarding of messages to a PMU)?

How are forwarded messages selected? Yes per Dinesh 8/23/93

Source: cei-jdg
Subsystems:

Issues: Yes
Reference: SR1-5.1.1.3, IVRFCFM-2.5

ID: voice-hold-delivery **Assigned To: CEI** **Counter: 531**

Brief Description: Hold delivery of voice messages

Detailed Description: A subscriber shall be able to place delivery of incoming voice messages to the voice service on hold until the subscriber releases them or until the hold time expires. A transaction shall be generated when this feature is invoked.

Issues Description:

Source:
Subsystems:

Issues: No
Reference:

ID: voice-mark-confidential **Assigned To: CEI** **Counter: 532**

Brief Description: Mark message as confidential

Detailed Description: A caller shall be able to mark a voice message as confidential.

Issues Description:

Source: cei-jdg
Subsystems:

Issues: No
Reference: SR1-3.3.1.a.i

ID: voice-msg-compose **Assigned To: CEI** **Counter: 533**
Brief Description: Compose a voice message
Detailed Description: A caller shall be able to record, play, skip forward and backward, and erase a voice message A transaction shall be generated when this feature is invoked.
Issues Description: Add requirement to set forward/backward skip duration.
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SRI-3.3.1.a.i

ID: voice-name **Assigned To: CEI** **Counter: 534**
Brief Description: Give a voice message a document name
Detailed Description: A subscriber shall be able to create/edit/delete the document name of a filed voice message. A transaction shall be generated when this feature is invoked.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SRI-3.3.1.a.i

ID: voice-non-delivery-acknowledgem **Assigned To: SAE** **Counter: 535**
Brief Description: Send non-delivery acknowledgement for voice
Detailed Description: Destineer shall be able to send a non-delivery acknowledgement to the originator. A transaction shall be generated when this feature is invoked.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SRI-3.3.1.a.i

ID: voice-non-delivery-notification **Assigned To: CEI** **Counter: 536**
Brief Description: Send non-delivery notification for voice
Detailed Description: Destineer shall be able to send a notification to the subscriber that a non-delivery acknowledgement has arrived. A transaction shall be generated when this feature is invoked.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SRI-3.3.1.a.i

ID: voice-not-read-acknowledgement **Assigned To: CEI** **Counter: 537**
Brief Description: Notify originator of voice message not-read
Detailed Description: Destineer shall be able to send a not-read acknowledgement to notify the originator that a voice message has not been read.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SRI-3.3.1.a.i

ID: voice-not-read-notification **Assigned To: CEI** **Counter: 538**
Brief Description: Notify subscriber of voice message not read
Detailed Description: Destineer shall be able to send a notification to the subscriber that a not-read acknowledgement has arrived.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SRI-3.3.1.a.i

ID: voice-set-usage-key **Assigned To: CEI** **Counter: 551**

Brief Description: Set voice usage key
Detailed Description: A subscriber shall be able to set the value of the voice usage key.
Issues Description:
 Source: cei-jdg **Issues:** No
 Subsystems: **Reference:** SR1-3.3.1.a.i, SR1-5.2.2.1.a

ID: voice-skip **Assigned To: CEI** **Counter: 552**

Brief Description: Skip forward/backward
Detailed Description: A subscriber shall be able to skip forward and backward when listening to or composing a voice message.
Issues Description:
 Source: cei-jdg **Issues:** No
 Subsystems: **Reference:** SR1-3.3.1.a.i

ID: voice-skip-length **Assigned To: CEI** **Counter: 553**

Brief Description: Set the forward and backward skip length
Detailed Description: A system parameter shall be supplied which can be set to a desired number of seconds to skip forward and backward in a voice file while composing or listening to a voice file. A transaction shall be generated when this feature is invoked.
Issues Description:
 Source: **Issues:** No
 Subsystems: **Reference:**

ID: voice-to-text **Assigned To: SAE** **Counter: 554**

Brief Description: Voice to text translation
Detailed Description: Destineer shall provide the capability to translate voice to text.
Issues Description: Need to add voice digit recognition as another requirement.
 Source: cei-gws **Issues:** Yes
 Subsystems: **Reference:** SR1-3.3.3.a.ii

ID: voice-to-text-digits **Assigned To: SAE** **Counter: 555**

Brief Description: Destineer will allow for entry of digits and yes/no via voice.
Detailed Description: Speaker independent voice recognition shall be provided for digits and yes/no on the voice interface. The digit input can be used for message entry and all menu selections.
Issues Description:
 Source: **Issues:** No
 Subsystems: **Reference:**

ID: voice-usage-key **Assigned To: CEI** **Counter: 556**

Brief Description: Usage key to allow sending of voice messages
Detailed Description: A subscriber shall be able to enable/disable his/her usage key for voice messages.
Issues Description:
 Source: cei-gws **Issues:** No
 Subsystems: **Reference:** SR1-3.3.1.a.i

ID: x400 **Assigned To: CEI** **Counter: 557**

Brief Description: Support X.400 protocol suite

Detailed Description: As a design goal, for electronic messaging service, the CCITT X.400 protocol suite shall be supported to allow customers to submit messages from an X.400 application. Some functions provided by the X.400 server may not be supported by other email servers such as the Internet server.

Issues Description: Is this too general a requirement?

Source: cei-jdg

Issues: Yes

Subsystems:

Reference: SR1-5.7.1.2.a.iv

X.400 Mail Transfer

ID: x400-admd **Assigned To: CEI** **Counter: 558**

Brief Description: Support X.400 protocol suite in a ADMD

Detailed Description: The Mtel X.400 Management Domain shall be managed by Mtel under license by the FCC. ADMD stands for Administration Management Domain and is a Management Domain managed by a FCC-licensed organization. A Management Domain is a collection of User Agents, Message Stores, and Message Transfer Agents managed by an organization. This would be a major change in the scope X.400 service provided by Mtel. This will probably require a significant investment of time to determine what is required to become an ADMD and how Mtel should market this new level of service.

Issues Description: Is this requirement necessary? LBD to resolve.

Source: cei-jdg

Issues: Yes

Subsystems:

Reference: SR1-5.7.1.2.a.iv

X.400 Mail Transfer

ID: x400-alternate-recipient-allow **Assigned To: CEI** **Counter: 559**

Brief Description: Allow alternate recipient

Detailed Description: An originator shall be able to specify that the message being submitted can be delivered to an alternate recipient.

Issues Description: Clarify alternate recipient.

Source: cei-jdg

Issues: Yes

Subsystems:

Reference: SR1-5.7.1.2.a.iv, BB-p69-B.3 (BB=Blue Book)

X.400 Mail Transfer

ID: x400-conversion-indicate **Assigned To: CEI** **Counter: 560**

Brief Description: Indicate content conversion.

Detailed Description: Destineer shall be able to indicate to the recipient that a Message Transport Service (MTS) performed Encoded Information Type (EIT) conversion of a delivered message, e.g., ASCII to EBCDIC. The recipient is informed of the resulting type(s).

Issues Description: Is this a good requirement?

Source: cei-jdg

Issues: Yes

Subsystems:

Reference: SR1-5.7.1.2.a.iv, BB-p61-B.15

X.400 Mail Transfer

ID: x400-conversion-prohibit **Assigned To: CEI** **Counter: 561**

Brief Description: Prohibit conversion by recipient.

Detailed Description: The originator shall be able to instruct the MTS (message transfer system) that implicit encoded information type (EIT) conversion(s) should not be performed.

Issues Description: This indication is supported by the OSIware X.400. This would need to be supported by Core Messaging. A user might indicate that no conversion is to be made if they thought there would be a loss of information in doing so. Does Mtel want to support this?

Is this a good requirement?

Source: cei-jdg

Issues: Yes

Subsystems:

Reference: SR1-5.7.1.2.a.iv, BB-p60-B.13

X.400 Mail Transfer

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ID: x400-delivery-report **Assigned To: CEI** **Counter: 562**
Brief Description: Request X.400 delivery report
Detailed Description: A subscriber shall be able to request a X.400 delivery report be returned upon delivery or non-delivery of a message which they originated.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-3.3.1.a.i, SR1-5.2.2.1.a, BB TBD

X.400 Mail Transfer

ID: x400-delivery-time-stamp **Assigned To: CEI** **Counter: 563**
Brief Description: Indicate time and date of delivery.
Detailed Description: The Destineer MTS shall be able to indicate to the originator of an X.400 message the date and time of delivery.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.7.1.2.a.iv, BB-p61-B.22

X.400 Mail Transfer

ID: x400-disclose-other-recipients **Assigned To: CEI** **Counter: 564**
Brief Description: Disclose other recipients
Detailed Description: The originator shall be able to instruct the MTS when submitting a multi-recipient message to disclose the name of all other recipients to each recipient upon delivery. If distribution list(DL) was given as the recipient, then only the DL name will be disclosed.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.7.1.2.a.iv, BB-p62-B.25

ID: x400-explicit-conversion **Assigned To: CEI** **Counter: 565**
Brief Description: Specify explicit conversion
Detailed Description: The originator shall be able to request the MTS to perform a specified conversion. When a message is delivered after conversion, the recipient is informed of the original EIT and the current EIT(s) in the message.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.7.1.2.a.iv, BB-p62-B.30

X.400 Mail Transfer

ID: x400-grade-of-delivery-select **Assigned To: CEI** **Counter: 566**
Brief Description: Select grade-of-delivery(priority)
Detailed Description: The originator shall be able to request transfer through the MTS be urgent or non-urgent, rather than normal. The time periods and/or tariffs defined in Destineer by Mtel/CEI for low(non-urgent) and urgent transfer are longer and shorter, respectively, than that defined for normal. Urgent, normal, and low(non-urgent) are the relative message priorities.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.7.1.2.a.iv, BB-p63-B.32

X.400 Mail Transfer

ID: x400-ipm-auto-forward-indicate **Assigned To: CEI** **Counter: 567**

Brief Description: Indicate auto-forwarding of a message.

Detailed Description: The recipient shall be able to determine that a body of an incoming IPM contains an IPM that has been auto-forwarded. As with a forwarded IPM, an auto-forwarded IPM can be accompanied by information (time stamps, originator, etc.) associated with its original delivery. An auto-forwarded message consists of a IPM header filled in by the auto-forwarding UA or MS, with the auto-forwarded field set to true, and the forwarded message itself contained as a single body-part. When a user sets auto-forwarding instructions he may also specify a text comment. If his UA or MS subsequently performs auto-forwarding, this text comment is sent to the message originator as part of the non-receipt notification (assuming that interpersonal notification was requested by him). In Destineer Core Messaging will have to indicate that message have been forwarded automatically so that X.400 MTS can take appropriate action.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.7.1.2.a.iv, BB-p59-B.6, OE2-p200

Core Messaging
X.400 Mail Transfer

ID: x400-ipm-blind-copy **Assigned To: CEI** **Counter: 568**

Brief Description: Copies are blindly sent

Detailed Description: The originator of an IPM shall be able to specify one or more users who are intended recipients who are not disclosed to the primary or copy recipients. Whether or not these additional recipients are disclosed to one another is optional.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.7.1.2.a.iv, BB-p60-B.8

X.400 Mail Transfer

ID: x400-ipm-body-part-encryption-in **Assigned To: CEI** **Counter: 569**

Brief Description: Indicate encryption of a body part.

Detailed Description: The originator shall be able to indicate to the recipient that a particular part of the IPM body has been encrypted.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.7.1.2.a.iv, BB-p60-B.9

X.400 Mail Transfer

ID: x400-ipm-expiry-date-indicate **Assigned To: CEI** **Counter: 570**

Brief Description: Indicate expiry date

Detailed Description: The originator shall be able to indicate to the recipient the date and time after which he considers the IPM to be invalid.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.7.1.2.a.iv, BB-p62-B.29

X.400 Mail Transfer

ID: x400-ipm-forwarded-indicate **Assigned To: CEI** **Counter: 571**

Brief Description: Indicate IPM was forwarded

Detailed Description: Destineer shall indicate whether or not the IPM has been received as the result of an auto-forward (CCITT).

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.7.1.2.a.iv, BB-p63-B.31

X.400 Mail Transfer

ID: x400-ipm-header-create **Assigned To: CEI** **Counter: 572**

Brief Description: Create an IPM header

Detailed Description: Create an IPM (interpersonal message header) which the user fills in. The header fields are This IPM, Originator, Authorizing users, Primary recipients, Copy recipients, Blind copy recipients, Replied to IPM, Obsolete IPMs, Related IPMs, Subject, Expiry time, Reply time, Reply recipients, Importance, Sensitivity, Auto-forwarded, and Extensions.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-5.7.1.2.a.iv, OE2-p198

X.400 Mail Transfer

ID: x400-ipm-importance-indicate **Assigned To: CEI** **Counter: 573**

Brief Description: Indicate IPM assessed importance

Detailed Description: The originator shall be able to indicate his assessment (low, normal, or high) of the importance of the IPM. This does not effect the grade of delivery. Action taken, if any, would be a local decision.

Issues Description: Not supported by OSIware X.400 API.

Source: cei-jdg

Issues: Yes

Subsystems:

Reference: SR1-5.7.1.2.a.iv, BB-p63-B.35

X.400 Mail Transfer

ID: x400-ipm-incomplete-copy-indicat **Assigned To: CEI** **Counter: 574**

Brief Description: Indicate that IPM is an imcomplete copy.

Detailed Description: The originator shall be able to indicate that this IPM is an incomplete copy of an IPM with the same IPM identification in that one or more body part, and/or heading fields of the original IPM are absent. This would be true when body part conversion was attempted but not completed on all body part for some reason.

Issues Description: Not supported by OSIware X.400 API.

Source: cei-jdg

Issues: Yes

Subsystems:

Reference: SR1-5.7.1.2.a.iv, BB-p64-B.36

X.400 Mail Transfer

ID: x400-ipm-language-indicate **Assigned To: CEI** **Counter: 575**

Brief Description: Indicate language type

Detailed Description: The originator shall be able to indicate the language type(s) of a submitted IPM.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-5.7.1.2.a.iv, BB-p64-B.38

X.400 Mail Transfer

ID: x400-ipm-message-identification **Assigned To: CEI** **Counter: 576**

Brief Description: Unique message identifier

Detailed Description: Destineer shall assign a globally (throughout the international X.400 domain) unique identifier to each message. The IPM identifier is composed of an O/R name of the originator and an identifier that is unique to that name..

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-5.7.1.2.a.iv, BB-p64.B.37

X.400 Mail Transfer

ID: x400-ipm-multi-part-body **Assigned To: CEI** **Counter: 577**

Brief Description: Support multi-parts in a IPM body.

Detailed Description: The originator shall be able to send to a recipient(s) an IPM with a body that is partitioned into several parts. The nature and attributes, or type, of each body part are conveyed along with each body part.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-5.7.1.2.a.iv, BB-p65-B.46

X.400 Mail Transfer

ID: x400-ipm-obsolete-indicate **Assigned To: CEI** **Counter: 578**

Brief Description: Indicate obsolete message

Detailed Description: The originator shall be able to indicate to the recipient that one or more IPMs he sent previously are obsolete. The IPM that carries this indication supersedes the obsolete IPM.

Issues Description: This is supported by OSIware but does Mtel want this to be supported? This would have to be implemented as part of Core Messaging. The added functionality may not be worth the effort to implement this.

Source: cei-jdg

Issues: Yes

Subsystems:

Reference: SR1-5.7.1.2.a.iv, BB-p66-B.52

X.400 Mail Transfer

ID: x400-ipm-originator-indicate **Assigned To: CEI** **Counter: 579**

Brief Description: Indicate IPM originator

Detailed Description: Destineer shall indicate the identity of the IPM originator to the recipient.

Issues Description:

Source: cei-jdg

Issues: No

Subsystems:

Reference: SR1-5.7.1.2.a.iv, BB-p66-B.55

X.400 Mail Transfer

ID: x400-ipm-reply-indicate **Assigned To: CEI** **Counter: 580**

Brief Description: Indicate a reply to an IPM

Detailed Description: The originator of an IPM shall be able to indicate to the recipient(s) that this IPM is being sent in reply to another IPM. the reply can be sent to 1) the recipients specified in the reply request; 2) the originator of the replied-to-message; 3) a DL; 4) other recipients. The recipients of the reply receive it as a regular IPM, together with an indication of which IPM it is a reply to.

Issues Description: This is supported by the OSIware X.400 API. Does Mtel want this supported? This would have to be supported by the Character UI and by a field in the generic message descriptor indicating the message ID of the original message.

Source: cei-jdg

Issues: Yes

Subsystems:

Reference: SR1-5.7.1.2.a.iv, BB-p69-B.73

X.400 Mail Transfer

ID: x400-ipm-request-reply **Assigned To: CEI** **Counter: 581**

Brief Description: Request a reply to an IPM

Detailed Description: The originator shall be able to request that a recipient send an IPM in reply to the IPM that carries the request. The originator can also specify the date by which any reply should be sent, and the user(s) and DLs to whom the originator requests be among the preferred recipients of any reply.

Issues Description: The OSIware X.400 API supports this functionality. This would need to be supported by the Character UI. Does Mtel want this supported?

Source: cei-jdg

Issues: Yes

Subsystems:

Reference: SR1-5.7.1.2.a.iv, BB-p68-B.72

X.400 Mail Transfer

ID: x400-ipm-sensitivity-indicate **Assigned To: CEI** **Counter: 582**

Brief Description: Indicate message sensitivity

Detailed Description: The originator of an IPM shall be able to specify the guidelines for the relative sensitivity of the message upon its receipt. The sensitivity indication should control such items as 1) whether the recipient should have to prove his identity to receive the IPM; 2) whether the IPM should be allowed to be printed on a shared printer; 3) whether the IPM originator should allow the recipient to forward the received IPM; 4) whether the IPM should be allowed to be auto-forwarded. Three specific levels of sensitivity above the default are defined: personal, private, and company-confidential.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.7.1.2.a.iv, BB-p70-B.80

X.400 Mail Transfer

ID: x400-ipm-typed-body **Assigned To: CEI** **Counter: 583**

Brief Description: Indicate IPM body type

Detailed Description: Destineer shall permit the nature and attributes of the body of the IPM to be conveyed along with the body.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.7.1.2.a.iv, BB-p71-B.90

X.400 Mail Transfer

ID: x400-latest-delivery-designate **Assigned To: CEI** **Counter: 584**

Brief Description: Designate latest time of delivery.

Detailed Description: The originator shall be able to specify the latest time by which the message is to be delivered. If the MTS cannot deliver by the time specified, the message is not delivered and is cancelled.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.7.1.2.a.iv, BB-p64-B.39

X.400 Mail Transfer

ID: x400-message-identify **Assigned To: CEI** **Counter: 585**

Brief Description: Identify message uniquely

Detailed Description: The MTS shall provide a unique identifier for a message.

Issues Description:

Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.7.1.2.a.iv, BB-p64-B.41

X.400 Mail Transfer

ID: x400-message-sequence-integrity **Assigned To: CEI** **Counter: 586**

Brief Description: Provide means by which a message sequence can be verified.

Detailed Description: The originator shall be able to provide to a recipient a means by which the sequence of messages from the originator to the recipient has been preserved (without message loss, re-ordering, or replay).

Issues Description: Not supported by OS/ware X.400 API. It is believed that most other vendors are not supporting this either.

Source: cei-jdg **Issues:** Yes
Subsystems: **Reference:** SR1-5.7.1.2.a.iv, BB-p64-B.44

X.400 Mail Transfer

ID: x400-msg-transfer-p1 **Assigned To: CEI** **Counter: 587**
Brief Description: Transfer a message via the P1 protocol
Detailed Description: Destineer MTA shall support the transfer of messages between Destineer and external message transfer agents(MTAs) via the CCITT P1 protocol. A transaction shall be generated when this feature is invoked.
Issues Description:
 Source: cei-jdg **Issues:** No
 Subsystems: **Reference:** SA2-4.7, OE2-p182

X.400 Mail Transfer

ID: x400-non-delivery-notification **Assigned To: CEI** **Counter: 588**
Brief Description: Notify message was not delivered.
Detailed Description: The MTS shall notify the originator if a submitted message was not delivered to the specified recipient(s). The reason the message was not delivered is included as part of the notification. When a message is not delivered after distribution list expansion, the notification will be sent to both the list owner and the message originator.
Issues Description:
 Source: cei-jdg **Issues:** No
 Subsystems: **Reference:** SR1-5.7.1.2.a.iv, BB-p65-B.47

ID: x400-original-eit-indicate **Assigned To: CEI** **Counter: 589**
Brief Description: Indicate original message EIT
Detailed Description: The original encoded information types (EITs) before conversion of a message shall be indicated in X.400 messages.
Issues Description:
 Source: cei-jdg **Issues:** No
 Subsystems: **Reference:** SR1-5.7.1.2.a.iv, BB-p66-B.54

X.400 Mail Transfer

ID: x400-originator-requested-alterna **Assigned To: CEI** **Counter: 590**
Brief Description: Allows originator to request alternate recipient.
Detailed Description: The originator shall be able to specify for each intended recipient on alternate recipient to which the MTS can deliver the message, if delivery is not possible. The alternate recipient can be a distribution list (DL). For purposes of determining success of delivery, delivery to the originator requested alternate recipient is equivalent to delivery to the intended recipient.
Issues Description: Not supported by OSIware X.400 API.
 Source: cei-jdg **Issues:** Yes
 Subsystems: **Reference:** SR1-5.7.1.2.a.iv, BB-p66-B.56

X.400 Mail Transfer

ID: x400-prevent-non-delivery-notific **Assigned To: CEI** **Counter: 591**
Brief Description: Prevent non-delivery notification
Detailed Description: The originator shall be able to instruct the MTS not to return a non-delivery notification if the message is undeliverable. This can be requested on a per-recipient basis.
Issues Description:
 Source: cei-jdg **Issues:** No
 Subsystems: **Reference:** SR1-5.7.1.2.a.iv, BB-p67-B.61

X.400 Mail Transfer

ID: x400-return-of-content **Assigned To: CEI** **Counter: 592**
Brief Description: Return content with non-delivery notification
Detailed Description: The originator shall be able to request that the content of a submitted message be returned with any non-delivery notification. This will not be done, however, if any encoded information type conversion has been performed on the message's content.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.7.1.2.a.iv, BB-p69-B.78

ID: x400-submission-time-stamp **Assigned To: CEI** **Counter: 593**
Brief Description: Time stamp submitted message
Detailed Description: The MTS shall indicate the date and time which a message was submitted to the MTS.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.7.1.2.a.iv, BB-p71-B.89

X.400 Mail Transfer

ID: x500 **Assigned To: CEI** **Counter: 594**
Brief Description: X.500 Directory Service
Detailed Description: For public directory service, the CCITT X.500 protocol suite shall be supported to allow customers to query the directory of Destineer from an X.400 or X.500 application. If a proprietary email directory service is used initially, X.500 will supersede it later. X.500 is more than just an email directory service. A transaction shall be generated when this feature is invoked.
Issues Description:
Source: cei-jdg **Issues:** No
Subsystems: **Reference:** SR1-5.7.1.2.a.v

Function Description Or Use Case	IVR	WinAccess	MacAccess	WinAccess Lite	MacAccess Lite	CUI	API	AMT / TME-X Server	Email	Fax	ISM	OSM (E-mail)	OSM (IVR)	OSM (Fax)	Core Msg	RtMgtr	FPC	RPC	Subcontroller	Master Terminal (Sys Op)	CM	DM-Subscriber Profile	DM-Message DS	DM-CM Data Svc	DM-PMU Data Svc	DM-Coverage Data Svc	AM	TM	Business Support Sys Int	Rt/Fmu Simulator	Sec Mgmt	Populate Database	Op Disp Sys	Fault Mgmt	Performance Mgmt		
19 Subscriber/Nonsubscriber Separation	5	1.00	1.00	1.00	1.00	4	5																														
20 Set Date/Time Preferences	1.00	7	7	6	7	6																5															
21 Set Delivery Table Options Play/Display Message	6	1.00	1.00	1.00	1.00	6.2	1.00	1.00														5															
22 Summary Information	5	5	6.2	5	6.2	5	6	6																													
23 Synchronize time with NOC Request/Provide System Information [*11]	1.1	1.1	1.1	1.1	1.1		1.1	1.1																6.7													
25 Secured - Encrypt a Msg Sysex - Proprietary Communications [*12]	1.1	1.1	1.1	1.1	1.1		1.1	1.1																													
27 Coverage - Coverage Report	7	7	7	7	7	1.00	7	7																	6												
28 Distrib List Report	1.00	1.00	1.00	1.00	1.00		1.00	1.00																													
29 Profile Retrieval - Profile Report	1.00	1.00	1.00	1.00	1.00		1.00	1.00																													
30 Security - Security Maint	1.00	1.00	1.00	1.00	1.00		1.00	1.00																													
31 Alternate Delivery Options	1.00	1.00	1.00	1.00	1.00		1.00	1.00																													
32 Alternate Delivery [*13] General Failure/Success Processing												7	1.00	7	6																						
34 Retries & Algorithm Deferred (Time of Day) Msg Delivery	5	7	7	6	7	6	5	5				7	1.00	7	7	1.1	7	5.6																			
36 Held Msg Delivery																																					
37 Msg State Processing																																					

Function Description Or Use Case	IVR	WinAccess	MacAccess	WinAccess Lite	MacAccess Lite	CU	API	AMT / TME-X Server	Email	Fax	ISM	OSM (E-mail)	OSM (IVR)	OSM (Fax)	Core Msg	RMgr	FPC	RPC	Subcontroller	Master Terminal (Sys Op)	CM	DM-Subscriber Profile	DM-Message DS	DM-CM Data Svc	DM-PMU Data Svc	DM-Coverage Data Svc	AM	TM	Business Support Sys Int	RF/PMU Simulator	Sec Mgmt	Populate Database	Op Disp Sys	Fault Mgmt	Performance Mgmt		
File: g:\excel\rdwdata\rd06j.xls																																					
38 Send Msg to Redefined Distribution List	6.2	1.00	1.00	7	7	7	7	7			6.2				6							6									6						
39 Support Multiple OSMs																																					
40 Obtain Config. Info. from Config. Mgmt. on Startup	6					7		6	6	7		1	1	1	7	1																					
41 Load BR Startup Config																																					
42 Support Multiple ISM's											6				4																						
43 Multiple FPZones [*3]																																					
44 Multiple Satellite Ports [*4]																																					
45 Broadcasts																																					
46 PMU Location Query																																					
47 PMU Location																																					
48 Convention Messaging [*14]																																					
49 Multiple Addr Vectors/Msg																																					
50 Restart Recovery																																					
51 RF/PM Interfaces																																					
52 RF/PM Interfaces																																					
53 RF Shut-down																																					
54 RF Failover																																					
55 Alpha & Scheduled Acks																																					
56 Tone Only Msgs																																					
57 Overlapping RP Zones [*15]																																					
58 Multi Sub-Channel Processing																																					
59 Aux Reverse Path Processing																																					
60 Download BRs																																					
61 Download BTs																																					
Download PMU Config																																					
62 Information (Needs Definition)																																					
63 Download PMU Canned Msgs																																					
Upload PMU Config (Needs																																					
64 Definition)																																					

Function Description Or Use Case	IVR	WinAccess	MacAccess	WinAccess Lite	MacAccess Lite	CUI	API	AMT / TME-X Server	Email	Fax	ISM	OSM (E-mail)	OSM (IVR)	OSM (Fax)	Core Msg	RTMgt	FPC	RPC	Subcontroller	Master Terminal (Sys Op)	CM	DM-Subscriber Profile	DM-Message DS	DM-CM Data Svc	DM-PMU Data Svc	DM-Coverage Data Svc	AM	TM	Business Support Sys Int	Rt/Pmu Simulator	Sec Mgmt	Populate Database	Op Disp Sys	Fault Mgmt	Performance Mgmt	
87 Add sender ID to redirected message	6	6	7	6	7	7	6	6	6		4				5.1							5														
88 Add sender ID to reply Allow / refuse callers to request coverage information	6	6	7	6	7	7	6	6	6		4				5.1							5														
89 Allow / refuse callers to request delivery acknowledgment	6	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00													6														
90 Override Delivery Ack Rqst with Subscr Profile State	6	1.00	1.00	1.00	1.00	6	1.00	1.00	1.00						6							6														
91 Allow / refuse callers to request read acknowledgment	6	1.00	1.00	1.00	1.00	6	1.00	1.00	1.00													6														
92 Override Read Ack Rqst with Subscr Profile State	6	1.00	1.00	1.00	1.00	6	1.00	1.00	1.00													6														
93 Allow / refuse callers to send you urgent messages	6	1.00	1.00	1.00	1.00	6	1.00	1.00	1.00													6														
94 Allow / refuse callers to use Message options menu [*19]	5																																			
95 Allow / refuse forwarded messages	6	1.00	1.00	1.00	1.00	7	1.00	1.00	1.00													6														
96 Override Forward Rqst with Subscr Profile State	6	1.00	1.00	1.00	1.00			7							7																					
97 Allow / refuse redirected messages	6	1.00	1.00	1.00	1.00	7	1.00	1.00	1.00																											
98 Override Redirect Rqst with Subscr Profile State	6	1.00	1.00	1.00	1.00																															
100 Cancel follow-me [*20]	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00																											
101 Cancel message being delivered [*21]	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	7	1.00	1.00																			
102 Cancel or return to previous menu	4	5	5	5	5	5																														
103 Change all usage codes	5	1.00	1.00	1.00	1.00	7	1.00	1.00	1.00																											
104 Change default sender ID	6	1.00	1.00	1.00	1.00	7	1.00	1.00	1.00																											

File: g:\excel\wddata\relo6j.xls	IVR	WinAccess	MacAccess	WinAccess Lite	MacAccess Lite	CU	API	AMT / TME-X Server	Email	Fax	ISM	OSM (E-mail)	OSM (IVR)	OSM (Fax)	Core Msg	RtMgtr	FPC	RPC	Subcontroller	Master Terminal (Sys Op)	CM	DM-Subscriber Profile	DM-Message DS	DM-CM Data Svc	DM-PMU Data Svc	DM-Coverage Data Svc	AM	TM	Business Support Sys Int	RtPmu Simulator	Sec Mgmt	Populate Database	Op Disp Sys	Fault Mgmt	Performance Mgmt	
Function Description Or Use Case																																				
Change document number of filed document	5	6	7	6	7	7	5	5			5				5								6													
Change e-mail usage code	5	1.00	1.00	1.00	1.00	1.00	1.00	1.00																												
Change fax usage code [*22]	5	1.00	1.00	1.00	1.00	1.00	1.00	1.00																												
Change other usage code	5	1.00	1.00	1.00	1.00	1.00	1.00	1.00																												
Change outdial security code	7	1.00	1.00	1.00	1.00	1.00	1.00	1.00																												
Change PMU usage code	5	1.00	1.00	1.00	1.00	1.00	1.00	1.00																												
Change subscriber security code	5	1.00	1.00	1.00	1.00	1.00	1.00	1.00																												
Change to different PIN	6																																			
Change voice usage code	5	1.00	1.00	1.00	1.00	1.00	1.00	1.00																												
Compose Email message	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00																												
Decrease Volume	4																																			
Delete distribution list	6	1.00	1.00	1.00	1.00	1.00	1.00	1.00																												
Delete fax phone number from distribution list	6.2	1.00	1.00	1.00	1.00	1.00	1.00	1.00																												
Delete list entry from distribution list	6.2	1.00	1.00	1.00	1.00	1.00	1.00	1.00																												
Delete list number from distribution list	6.2	1.00	1.00	1.00	1.00	1.00	1.00	1.00																												
Delete message from mailbox	5	5	7	5	7	5	5	5			5																									
Delete PIN from distribution list	6.2	1.00	1.00	1.00	1.00	1.00	1.00	1.00																												
Mark and deliver messages to default address in delivery table	6	7	7	7	7	7	6	6																												
Mark and deliver messages to e-mail address [*22]	7	7	7	7	7	7	6	6			7																									

Function Description Or Use Case	IVR	WinAccess	MacAccess	WinAccess Lite	MacAccess Lite	CUI	API	AMT / TME-X Server	Email	Fax	ISM	OSM (E-mail)	OSM (IVR)	OSM (Fax)	Core Msg	RftMgtr	FPC	RPC	Subcontroller	Master Terminal (Sys Op)	CM	DM-Subscriber Profile	DM-Message DS	DM-CM Data Svc	DM-PMU Data Svc	DM-Coverage Data Svc	AM	TM	Business Support Sys Int	Rf/Pnu Simulator	Sec Mgmt	Populate Database	Op Disp Sys	Fault Mgmt	Performance Mgmt		
Mark and deliver messages to 125 fax address [*22]	7	7	7	7	7	7	6	6	7	7	7	x		6																							
Mark and deliver messages to 126 PMU address [*23]	7	7	7	7	7	7	6	6			7																										
Send Msg to Subscr Specified	6.2	7	1.00	7	1.00	7	7	7			6.2	x		6	7																						
Deliver new messages to default address in delivery table	6	7	7	7	7	6.2	6	6			6				5																						
Deliver new messages to e-mail address	7	7	7	7	7	7	6	6			7	7			7																						
Deliver new messages to fax address	7	7	7	7	7	7	6	6			7			6.20	7																						
Deliver new messages to PMU address	7	7	7	7	7	7	6	6			7				7																						
131 Disconnect	4	5	6.2	5	6.2	4	5	5																													
Edit a message being composed	5	5	6.2	5	6.2	4																															
135 Edit a reply being composed	6	6	7	6	7	4																															
Edit a comment being composed	6	7	7	6	7	7																															
135 composed	6	7	7	6	7	7																															
File message with document number	5	6	7	6	7	5	5	5			5				5																						
File message without document number	5	6	7	6	7	6	5	5			5				5																						
Forward / don't forward all messages	6	1.00	1.00	1.00	1.00	6.2	1.00	1.00																													
Forward / don't forward binary messages	6	1.00	1.00	1.00	1.00	6.2	1.00	1.00																													
Forward / don't forward fax messages	6	1.00	1.00	1.00	1.00	6.2	1.00	1.00																													
Forward / don't forward mixed format messages	6	1.00	1.00	1.00	1.00	6.2	1.00	1.00																													
Forward / don't forward text messages	6	1.00	1.00	1.00	1.00	6.2	1.00	1.00																													
Forward / don't forward voice messages	6	1.00	1.00	1.00	1.00	6.2	1.00	1.00																													

File: g:\excel\wddata\relo6j.xls	IVR	WinAccess	MacAccess	WinAccess Lite	MacAccess Lite	CU	API	AMT / TME-X Server	Email	Fax	ISM	OSM (E-mail)	OSM (IVR)	OSM (Fax)	Core Msg	RtMgr	FPC	RPC	Subcontroller	Master Terminal (Sys Op)	CM	DM-Subscriber Profile	DM-Message DS	DM-CM Data Svc	DM-PMU Data Svc	DM-Coverage Data Svc	AM	TM	Business Support Sys Int	Rt/Pmu Simulator	Sec Mgmt	Populate Database	Op Disp Sys	Fault Mgmt	Performance Mgmt	
Function Description Or Use Case																																				
175 Play (display) messages with / without time-stamping	6	5	5	5	5	7																6														
176 Send redirected message in the future	6	7	7	7	7	7					5				7								6													
177 Send reply in the future	6	7	7	7	7	7					5				7								6													
178 Send text message	1.00	5	6.2	5	6.2	4	5	5			4	7	1.00	6.2	5	5																				
179 Send numeric message	4	5	6.2	5	6.2	4	5	5			4	7	1.00	6.2	5	5																				
180 Send voice message	4	1.00	1.00	1.00	1.00	6	6	6			4	1.00	1.00	7	5																					
181 Set default delay time for escalation	7.00	1.00	1.00	1.00	1.00	1	1.00	1.00														7														
182 Set default sender ID	6	1.00	1.00	1.00	1.00	7	1.00	1.00														6														
183 Set delay time for nondelivery acknowledgment	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00														6														
184 Set delay time for not-read acknowledgment	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00														6														
185 Speak / don't speak menu titles	5.7																																			
186 Speak menu options each time	5.7																																			
187 Speak menu options never	5.7																																			
188 Speak menu options once upon entering menu	5.7																																			
189 Speak short / long menu options	5.7																																			
190 Store / don't store all incoming messages in mailbox	6	1.00	1.00	1.00	1.00	6	1.00	1.00							6							6														
191 Store / don't store incoming binary messages in mailbox	6	1.00	1.00	1.00	1.00	6	1.00	1.00							6							6														
192 Store / don't store incoming fax messages in mailbox	6	1.00	1.00	1.00	1.00	6	1.00	1.00							6							6														

File: g:\excel\wddata\rel06j.xls	Function Description Or Use Case	IVR	WinAccess	MacAccess	WinAccess Lite	MacAccess Lite	CUI	API	AMT / TME-X Server	Email	Fax	ISM	OSM (E-mail)	OSM (IVR)	OSM (Fax)	Core Msg	RMgr	FPC	RPC	Subcontroller	Master Terminal (Sys Op)	CM	DM-Subscriber Profile	DM-Message DS	DM-CM Data Svc	DM-PMU Data Svc	DM-Coverage Data Svc	AM	TM	Business Support Sys Int	R/Pmu Simulator	Sec Mgmt	Populate Database	Op Disp Sys	Fault Mgmt	Performance Mgmt				
208	Use custom escalation hierarchy for message	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			1.00																								
209	Use custom escalation hierarchy for redirected message	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			1.00																								
210	Use custom escalation hierarchy for reply	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			1.00																								
211	Use distribution list as escalation hierarchy for message	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			1.00																								
212	Use distribution list as redirected message	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			1.00																								
213	Use distribution list as escalation hierarchy for reply	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			1.00																								
214	Use filed document as fax cover page	7	1.00	1.00	1.00	1.00	7	1.00	1.00	1.00	7	1.00	1.00			7	7																							
215	Use no fax cover page	7	1.00	1.00	1.00	1.00	7	1.00	1.00	1.00	6	1.00	1.00			7	7																							
216	Use system's default fax cover page	7	7	1.00	7	7	7	7	7	7	7	7	7			7	7																							
217	Wait on line until message is delivered	4	n/a	n/a	n/a	6.2	6.2	n/a	n/a	n/a	4	n/a	n/a			4	4																							
218	Wait on line until message is read	4	n/a	n/a	n/a	6.2	6.2	n/a	n/a	n/a	4	n/a	n/a			4	4																							
219	Wait on line until you receive reply	4	6	n/a	n/a	6.2	6.2	n/a	n/a	n/a	4	n/a	n/a			4	4																							
220																																								
221	Receive claim number	4	5	6.2	5	6.2	5	5	5	5	4	5	5			4	4																							
222	Record (edit) distribution list name	6.2	1.00	1.00	1.00	1.00	7	1.00	1.00	1.00	5	1.00	1.00			6	6																							
223	Record (edit) document annotation	5	6	1.00	1.00	1.00	7	6	6	6	5	1.00	1.00			5	5																							
224	Add annotation body part to msg	5	6	7	6	7	1.00	6	6	6	5	1.00	1.00			5	5																							

Function Description Or Use Case	IVR	WinAccess	MacAccess	WinAccess Lite	MacAccess Lite	CUI	API	AMT / TME-X Server	Email	Fax	ISM	OSM (E-mail)	OSM (IVR)	OSM (Fax)	Core Msg	RfMgr	FPC	RPC	Subcontroller	Master Terminal (Sys Op)	CM	DM-Subscriber Profile	DM-Message DS	DM-CM Data Svc	DM-PMU Data Svc	DM-Coverage Data Svc	AM	TM	Business Support Sys Int	Rf/Pmu Simulator	Sec Mgmt	Populate Database	Op Disp Sys	Fault Mgmt	Performance Mgmt	
240 Review binary messages	6	6	7	6	7	6	6	6															5													
241 Review e-mail messages	5	6	7	6	7	6	6	6															5													
242 Review fax messages	5	7	7	7	7	6	6	6															5													
243 Review filed messages	5	6	7	6	7	5	6	6															5													
244 Review filed messages with document numbers	6	6	7	6	7	6	6	6															5													
245 Review follow-me status	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00														x		1.00												
246 Review held messages	5	6	7	6	7	6	6	6															5													
247 Review marked messages	6	5	6	5	6	5	5	5																												
248 Review new messages	5	5	6.2	5	6.2	5	5	5															5													
249 Review PMU addresses	7	7	7	7	7	7	7	7																1.00												
250 Review text messages	5	5	6	5	6	5	5	5															6													
251 Review voice messages (CUI Summary Only)	5	7	7	7	7	6	7	7															6													
252 Select caller experience level	5	7	1.00	7	1.00	1.00	7	7															5													
253 Select caller language	1.00	7	1.00	7	1.00	1.1	7	7																												
254 Select placement of message sequence numbers	6	7	7	7	7	7	7	7																												
255 Select subscriber experience level	5	7	1.00	7	1.00	1.00	7	7																	x											
256 Select subscriber language	1.00	7	1.00	7	1.00	1.1	7	7																												
257 Send / don't send original sender's CSI	7	7	7	7	7	7	7	7															6													
258 Send / don't send own CSI	7	7	7	7	7	7	7	7															6													

File: g:\excel\wddata\rel06j.xls	IVR	WinAccess	MacAccess	WinAccess Lite	MacAccess Lite	CU	API	AMT / TME-X Server	Email	Fax	ISM	OSM (E-mail)	OSM (IVR)	OSM (Fax)	Core Msg	RMgr	FPC	RPC	Subcontroller	Master Terminal (Sys Op)	CM	DM-Subscriber Profile	DM-Message DS	DM-CM Data Svc	DM-PMU Data Svc	DM-Coverage Data Svc	AM	TM	Business Support Sys Int	Rf/Pmu Simulator	Sec Mgmt	Populate Database	Op Disp Sys	Fault Mgmt	Performance Mgmt				
259 Send fax (incoming)	7	7	7	7	7	5	5	5	5		5				6								4																
260 Send message in the future	5	7	7	7	7	5	5	5	5		5																												
Send message without waiting																																							
261 (immediate)	5	5	5	5	5	4	5	5	5	7	4				5																								
262 Transfer in MHS Mail message									5		5				5																								
263 Transfer in MS Mail message									5		5				5																								
264 Transfer in cc:Mail message									5		5				5																								
Transfer in multiple Ad Hoc									6		5				5																								
265 recipient message (any type)									6		5				5																								
Transfer in multiple body									6		6				5																								
266 X-400 message									6		6				5																								
Transfer Out X-400 message									6		6				5																								
267 to service provider									6		6				6																								
Deliver outgoing cc:Mail									6		6				6																								
268 message									6		6				6																								
Deliver outgoing MHS Mail									6		6				6																								
269 message									6		6				6																								
Deliver outgoing MS Mail									6		6				6																								
270 message									6		6				6																								
X-400 ISM generated Not									1.00																														
271 Read Ack [*25]									7																														
X-400 ISM generated									7																														
272 Nondelivery Ack									7																														
Transfer in X-400 Read Ack									1.00		5																												
273 Transfer in X-400 Read Ack									1.00		5																												
Transfer in X-400 Not Read									1.00		5																												
274 ack									7		5																												
Transfer in X-400 Delivery Ack									7		5																												
275 Transfer in X-400 Delivery Ack									7		5																												
Transfer in X-400 Nondelivery									7		5																												
276 ack									7		5																												
Support ECC Recipients in									1.00																														
277 Incoming message [*26]									1.00																														

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278 Transfer Out X.400 Read Ack [*27]												1.00			7																							
279 Transfer Out X.400 Not Read ack [*28]												1.00			7																							
280 Transfer Out X.400 Delivery Ack [*29]												1.00			1.00																							
281 Nondelivery ack												1.00			1.00																							
282 Transfer Out X.400 Probe Message [*30]												1.00			1.00																							
283 Respond to incoming X.400 Probe Message												1.00																										
284 X.400 OSM report transfer status to Core												6			6																							
285 Routing of message between UMS and Destineer [*31]																																						
286 Support Blind copy recipients for outgoing message [*32]												1.00																										
287 Transfer In SMTP User message												5			5																							
288 Transfer In SMTP Nondelivery ack												5			5																							
289 Transfer Out SMTP User message												1.00			1.00																							
290 Transfer Out SMTP Delivery Ack												1.00			1.00																							
291 Transfer Out SMTP Nondelivery Ack												1.00			1.00																							
294 Transfer Out message from a remote subscriber to non-subscriber [*33]												7			7																							
296																																						
297 Transfer in MHS Mail Read ack												5			5																							

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298	ack Transfer in MHS Mail Not Read								1.00		5				1.00																									
299	ack Transfer in MHS Mail Delivery								7		5				1.00																									
300	Nondelivery ack Transfer in MHS Mail								7		5				1.00																									
301	Read ack Transfer Out MHS Mail Not											1.00			1.00																									
302	ack Transfer Out MHS Mail Read											1.00			1.00																									
303	Delivery ack Transfer Out MHS Mail											1.00			1.00																									
304	Nondelivery ack Transfer Out MHS Mail											1			1.00																									
305																																								
306	Transfer in MS Mail Read ack								1.00		5				1.00																									
307	Nondelivery ack Transfer in MS Mail								7		5				1.00																									
308	Read ack Transfer Out MS Mail Not											1.00			1.00																									
309	ack Transfer Out MS Mail Read											1.00			1.00																									
310	Nondelivery ack Transfer Out MS Mail											1.00			1.00																									
311	ack Transfer Out MS Mail Delivery											1.00			1.00																									
312																																								
313	ack Transfer in cc:Mail Mail Read								1.00		5				1.00																									
314	Nondelivery ack Transfer in cc:Mail Mail								7		5				1.00																									
315	Read ack Transfer Out cc:Mail Mail Not											1.00			1.00																									
316	ack Transfer Out cc:Mail Mail Read											1.00			1.00																									

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Transfer Out cc:Mail Mail																																								
317 Nondelivery ack												1.00			1.00																									
Transfer Out cc:Mail Mail												1.00			1.00																									
318 Delivery ack												1.00			1.00																									
319																																								
Receive fax from external fax																																								
320 machine								7		6					5																									
Send fax to an external fax																																								
321 machine.										6					6																									
322 Retry on unsuccessful delivery												7	1.00	1.00	7	6	5																							
323 Cover page generation. [*34]																																								
Respond to Core Messaging's status request of outbound												1.00	1.00	1.00	1.00	1.00																								
324 delivery.												1.00	1.00	1.00	1.00	1.00																								
Cancel Outbound delivery upon												1.00	1.00	1.00	1.00	1.00																								
325 Core Messaging's request.												1.00	1.00	1.00	1.00	1.00																								
326 Fax On Demand												1.00	1.00	1.00	1.00	1.00																								
327 Subscriber Retrieval												1.00	1.00	1.00	1.00	1.00																								
Provide Transactions in UMS												1.00	1.00	1.00	1.00	1.00																								
328 form												1.00	1.00	1.00	1.00	1.00																								
329 Start NOC Subsystem																																								
330 Stop NOC Subsystem																																								
331 Start Application																																								
332 Shutdown Application																																								
333 Reset Application																																								
334 Set Application Mode																																								

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354 Provide Graphical Display of Device Status																				6	6																
355 Provide for sending cntrl msgs to devices																				1.00	1.00																
356 Provide for review, modify, and delete of config data																				6	6																
357 Provide for adding new devices Update on-line devices and processes while NOC is running																				7	7																
358 Generate Reports																					1.00																
359 Maintain device and process info repository																					1.00																
360 Distrib and Synchronize Time																					1.00																
361 Provide secure operations																					1.00																
362 Provide Alarm Reporting																																					
363 Provide Notification of Events																																					
364 Create Trouble Tickets based on Events																																					
365 Send Trouble Tickets to/from Customer Service																																					
366 Provide recovery actions from Events																																					
367 Modify Event Thresholds																																					
368 Modify Reporting Frequencies Contact personnel based on Events																																					
369 Maintain Event Logs Integrate Trouble Tickets w/ Existing UMS																																					
370																																					
371																																					
372																																					

