iMAX

USER’S MANUAL

Tenant Rental Assistance Certification System (TRACS) integrated Multifamily Access eXchange (iMAX) System

U.S. Department of Housing and Urban Development

October 2010
# Revision Sheet

<table>
<thead>
<tr>
<th>Release No.</th>
<th>Date</th>
<th>Revision Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rev. 1</td>
<td>3/21/08</td>
<td>Draft User Manual</td>
</tr>
<tr>
<td>Rev. 2</td>
<td>5/9/08</td>
<td>Final User Manual</td>
</tr>
<tr>
<td>Rev. 2.1</td>
<td>5/12/08</td>
<td>Updated sections 3.1 and 4.2.6.3 with screen shots.</td>
</tr>
<tr>
<td>Rev. 3</td>
<td>11/7/08</td>
<td>Updated sections</td>
</tr>
<tr>
<td>Rev. 3.1</td>
<td>1/5/09</td>
<td>Minor revisions to 2.2 and figure in 4.3.2; other minor edits</td>
</tr>
<tr>
<td>Rev. 3.2</td>
<td>1/15/09</td>
<td>Minor revisions upon review of PDF version by HUD TRACS Proj. Mgr.</td>
</tr>
<tr>
<td>Rev. 3.3</td>
<td>2/13/09</td>
<td>Revisions from HUD TRACS Proj. Mgr.</td>
</tr>
<tr>
<td>Rev. 3.4</td>
<td>2/25/09</td>
<td>Revisions from HUD TRACS Proj. Mgr.</td>
</tr>
<tr>
<td>Rev. 3.5</td>
<td>3/27/09</td>
<td>Additions to Appendix A</td>
</tr>
<tr>
<td>Rev 4</td>
<td>12/21/09</td>
<td>Draft User Manual for Task Order 09, Phase II of iMAX</td>
</tr>
<tr>
<td>Rev 4.1</td>
<td>2/18/10</td>
<td>Updated screen shots and minor editing</td>
</tr>
<tr>
<td>Rev. 5</td>
<td>4/30/10</td>
<td>User Manual update for Task Order 09, Re-host MAT into iMAX: new configuration diagrams in 2.1 and update to status messages.</td>
</tr>
<tr>
<td>Rev. 5.1</td>
<td>6/15/10</td>
<td>Updated print-out instructions for the ROB in section 3.1 Logging On.</td>
</tr>
<tr>
<td>Rev. 6</td>
<td>10/1/10</td>
<td>Final for TO09</td>
</tr>
</tbody>
</table>
I have carefully assessed the User’s Manual for the integrated Multifamily Access eXchange (iMAX) System, which includes the iMAX file transfer / receipt, the integrated Monthly Activity Transmission (iMAT), and Rules of Behavior (ROB) functionalities. This document has been completed in accordance with the requirements of the HUD System Development Methodology.

MANAGEMENT CERTIFICATION - Please check the appropriate statement.

______ The document is accepted.

______ The document is accepted pending the changes noted.

______ The document is not accepted.

We fully accept the changes as needed improvements and authorize initiation of work to proceed. Based on our authority and judgment, the continued operation of this system is authorized.

____________________________________  ______________________
James Legge
HUD IT Project Manager

____________________________________  ______________________
John Curry
TRACS Project Manager

____________________________________  ______________________
Carolyn Cockrell
TRACS Program Sponsor
iMAX USER'S MANUAL

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1.0 GENERAL INFORMATION
1.0 GENERAL INFORMATION

1.1 System Overview

The Tenant Rental Assistance Certification System (TRACS) is designed to process subsidy contracts, tenant rental assistance information, and owner requests for payment (vouchers). TRACS collects tenant data and voucher data for project-based programs and authorizes payment for subsidy programs. Payments are based upon the voucher, contract, and tenant data residing in the system. Owner Agents are required to meet the Compliance Rule of 2003, which requires the submission of their current and active certifications (tenant data) under contract in order to receive subsidy payments. The integrated Multifamily Access eXchange (iMAX) system provides a replacement for the previous TRACSMail system, enabling electronic submissions of certifications and vouchers into the TRACS system and storing all submission related data in an Oracle 10g database.

iMAX is a web-based communication system that provides Contract Administrators (CAs), Owners, Management Agents, and Service Bureaus who have subsidy contracts with HUD to transmit to HUD and to other Owners, Management Agents, and Service Bureaus and CAs registered with iMAX, tenant data and voucher data files. Files sent to HUD are logged, processed, and submitted to TRACS for payment processing by iMAX. iMAX also receives TRACS processing results and makes these results available to the external business partners of HUD.

iMAX provides two forms of access, a graphical user interface and a system-to-system communication interface. The graphical user interface is accessible through the Web Access Secure Systems (WASS) gateway at HUD. The system-to-system communication interface is available for software vendors of CAs, Owners, Management Agents, and Service Bureaus. The system-to-system communication interface provides the same set of functionality as the graphical user interface.

The iMAX system keeps all functions of the TRACSMail system. In addition, it acknowledges Monthly Activity Transmission (MAT) file submissions in a real-time manner with a unique transaction ID, which can be used later for audit log searches. The iMAX system also keeps audit logs for all MAT requests, TRACS responses, and other processing events. The iMAX system uses J2EE/web technologies. One of the benefits of the J2EE/web technology is that end users do not need to install any additional software. All the user needs is a work station, a web browser, and internet connection. In addition, file submission / download and user profile management are integrated seamlessly into the web interface so that end users do not need to go to different applications for file management and user management. Administration of the system has been made much easier from the web application as audit logging and user management have been integrated.

<table>
<thead>
<tr>
<th>Responsible Organization</th>
<th>Multifamily Housing Program Support Division</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Name</td>
<td>Integrated Multifamily Access Exchange (iMAX)</td>
</tr>
<tr>
<td>System Code</td>
<td>F87</td>
</tr>
<tr>
<td>PCAS Number</td>
<td>25178</td>
</tr>
<tr>
<td>System Category</td>
<td>Client Server</td>
</tr>
<tr>
<td>Operational Status</td>
<td>Phase I in operation / Phase II to be completed in 2010</td>
</tr>
<tr>
<td>System Environment</td>
<td>Oracle 10g, Java 1.5.x, SOAP 1.1, J2EE 1.5</td>
</tr>
</tbody>
</table>
1.2 Project References

The following table identifies any existing regulations, standards, or documents that are pertinent to the iMAX project.

<table>
<thead>
<tr>
<th>Reference</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUD System Development Methodology 6.02</td>
<td>09/04</td>
</tr>
<tr>
<td>iMAX – Initiate Phase – Needs Statement</td>
<td>10/07</td>
</tr>
<tr>
<td>iMAX – Define Phase – Functional Requirements Document</td>
<td>01/08</td>
</tr>
<tr>
<td>iMAX Industry Specification Document</td>
<td>02/08</td>
</tr>
<tr>
<td>iMAX Phase II Functional Requirements Document</td>
<td>01/10</td>
</tr>
<tr>
<td>iMAX Use Case Specifications</td>
<td>02/10</td>
</tr>
<tr>
<td>TRACS Task Order 09</td>
<td>09/09</td>
</tr>
</tbody>
</table>

1.3 Authorized Use Permission

Misuse of Federal Information through the HUD Secure Connection web site falls under the provisions of Title 18, United States Code, Section 1030. This law specifies penalties for exceeding authorized access, alterations, damage, or destruction of information residing on Federal Computers. System Administrators have access to an audit trail database that records the details of access by users.

1.4 Points of Contact

1.4.1 Information

The following is a list of the iMAX points of organizational contact (POCs) that may be needed for informational and troubleshooting purposes.

Users should always contact the Multifamily Help Desk first (see below).

<table>
<thead>
<tr>
<th>Role</th>
<th>Location</th>
<th>Contact</th>
</tr>
</thead>
</table>
| Multifamily Help Desk | U.S. Department of Housing and Urban Development  
451 7th St. SW  
Washington, DC 20410 | (800) 767-7588   
tracs@hud.gov |
1.0 General Information

<table>
<thead>
<tr>
<th>Role</th>
<th>Location</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Francine Bland</td>
<td>U.S. Department of Housing and Urban Development</td>
<td><a href="mailto:francine.q.bland@hud.gov">francine.q.bland@hud.gov</a></td>
</tr>
<tr>
<td>Government Technical Representative (GTR)</td>
<td>451 7th St. SW, Washington DC, 20410</td>
<td></td>
</tr>
<tr>
<td>James Legge</td>
<td>U.S. Department of Housing and Urban Development</td>
<td><a href="mailto:james.h.legge@hud.gov">james.h.legge@hud.gov</a></td>
</tr>
<tr>
<td>HUD IT Project Manager</td>
<td>451 7th St. SW, Washington DC, 20410</td>
<td></td>
</tr>
<tr>
<td>Carolyn Cockrell</td>
<td>U.S. Department of Housing and Urban Development</td>
<td><a href="mailto:carolyn.cockrell@hud.gov">carolyn.cockrell@hud.gov</a></td>
</tr>
<tr>
<td>TRACS Program Sponsor</td>
<td>451 7th St. SW, Washington DC, 20410</td>
<td></td>
</tr>
<tr>
<td>John Curry</td>
<td>U.S. Department of Housing and Urban Development</td>
<td><a href="mailto:john.j.curry@hud.gov">john.j.curry@hud.gov</a></td>
</tr>
<tr>
<td>TRACS Project Manager</td>
<td>451 7th St. SW, Washington DC, 20410</td>
<td></td>
</tr>
</tbody>
</table>

1.4.2 Coordination

The iMAX project will require coordination with various organizations, both government and non-government, to accomplish the tasks throughout the system life cycle. The table below lists these organizations, the coordination date and the phases in which Multifamily Housing coordinates tasks with these organizations.

<table>
<thead>
<tr>
<th>Organization</th>
<th>Support Function (Phase)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office of Multifamily Housing</td>
<td>Participate in requirements definition and user acceptance test activities.</td>
</tr>
<tr>
<td>TRACS Contractor</td>
<td>Define, Design, Build, Evaluate, Operate, Installation, Deployment, Project Management</td>
</tr>
<tr>
<td>HUD-IT Test Center</td>
<td>Implementation Coordination, Installation, Deployment</td>
</tr>
<tr>
<td>Computer Services, Operations, and Maintenance Group (CSOMG)</td>
<td>Provides infrastructure and production support.</td>
</tr>
<tr>
<td>Industry users</td>
<td>Performs verification and field-testing of iMAX software prior to releases being installed into production.</td>
</tr>
<tr>
<td>HUD Information Technology Service (HITS)</td>
<td>Provides support for web application and database servers and performs all production releases.</td>
</tr>
<tr>
<td>WASS</td>
<td>Web-access Sub-system – Security front-end – coordination will be required to determine the appropriate database design to store the TRACS rules of behavior date.</td>
</tr>
</tbody>
</table>
1.4.3 Help Desk

The Multifamily Helpdesk will be responsible for responding to any user questions or concerns. The Multifamily Helpdesk can be contacted by phone at 1-800-767-7588 or email at tracs@hud.gov.

1.5 Organization of the Manual

1.0 General Information

This section provides an overview of the iMAX project. It describes the system and provides a list of contacts, references, and acronyms and abbreviations.

2.0 System Summary

This section discusses the technical aspects of the iMAX system, while paying specific attention to data flows, configuration, and user access levels.

3.0 Getting Started

This section discusses how to log on to the iMAX system, changes the login password, and also provides a menu for all the different aspects of the system.

4.0 Using the System Online

This section discusses all of the different uses of the iMAX system for users and administrators. It goes into detail with step by step instructions for each function.

5.0 Querying

This section discusses the querying and retrieval capabilities of the iMAX system.

6.0 Reporting

This section does not apply to the iMAX system since it does not contain this feature.

Appendix A: Status Messages

This section explains the system’s status messages.

1.6 Acronyms and Abbreviations

The following table defines acronyms and abbreviations used throughout this document:
### 1.0 General Information

<table>
<thead>
<tr>
<th>ACRONYM</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA</td>
<td>Contract Administrator</td>
</tr>
<tr>
<td>IG</td>
<td>Inspector General</td>
</tr>
<tr>
<td>iMAT</td>
<td>Integrated Multifamily Access eXchange</td>
</tr>
<tr>
<td>iMAX</td>
<td>Integrated Multifamily Access eXchange</td>
</tr>
<tr>
<td>MAT</td>
<td>Monthly Activity Transmission</td>
</tr>
<tr>
<td>ROB</td>
<td>Rules of Behavior</td>
</tr>
<tr>
<td>SOAP</td>
<td>Simple Object Access Protocol</td>
</tr>
<tr>
<td>TRACS</td>
<td>Tenant Rental Assistance Certification System</td>
</tr>
<tr>
<td>WASS</td>
<td>Web Access Secure Sub-systems</td>
</tr>
</tbody>
</table>
2.0 SYSTEM SUMMARY
2.0 SYSTEM SUMMARY

iMAX is a replacement of the TRACSMail system. iMAX provides the same functionality of the TRACSMail system but is now available as a web browser graphical user interface and as a programmatic interface to software vendors. iMAX users can send one or more MAT files to TRACS for processing or to other iMAX users. iMAX users can also manage their TRACS user information, view MAT file submission to TRACS, view the status of those submissions, send and receive MAT files to other iMAX users, and view broadcast messages from TRACS administrators.

2.1 System Configuration

iMAX resides within HUD’s network but is accessible to authorized users outside of HUD. The two main ways to access iMAX are through a web browser or through vendor software that can interface with iMAX. Both means of access to iMAX are available 24 x 7 throughout the year. The diagrams below are high-level depictions of the iMAX system and its interfaces to users and to TRACS. The first diagram shows the system configuration for web browser users; the second shows the system configuration for vendor software users. (This user guide is only for web browser users.) “ROB” stands for the Rules of Behavior document explained in section 3.1 of this guide. Users must accept the ROB before proceeding with iMAX. (Vendor software users must accept the ROB before they can transmit MAT files.)
### 2.2 Data Flows

With iMAX you can upload files via the web browser or via vendor software that calls iMAX web services. iMAX routes the files to the appropriate iMAX user or to a staging area to send to TRACS. Files sent to TRACS are first processed and validated by the integrated Monthly Activity Transmission (iMAT) application approximately every 2 hours. Files that pass the edit validations are loaded into the TRACS mainframe database every 24 hours. TRACS processes the files during the nightly cycle and stores them in an FTP folder, which is then polled by iMAT to send to iMAX. iMAX then parses the files and routes to the appropriate iMAX users.

### 2.3 User Access Levels

HUD policy requires that all entities communicating electronically with HUD that are outside of HUD’s network be authenticated. Business partners wishing to communicate with HUD electronically are required to be registered and receive HUD business partner credentials, which is a WASS ID and password. You can register with HUD’s security services at HUD Secure Systems to receive the user ID and password. These credentials are required for each individual that does business with HUD. To register, go to the following web site: [https://hudapps.hud.gov/public/wass/public/participant/partreg_page.jsp](https://hudapps.hud.gov/public/wass/public/participant/partreg_page.jsp).

Whether communicating through a browser to access HUD resources or communicating directly with iMAX, clients will need to provide their credentials. Once a client is authenticated, depending on the system, the client may be asked to provide system-specific user credentials. All communications to iMAX require that the client also provide an iMAX user ID and password, previously known as the TRACSMail.
2.0 System Summary

user ID and password. The iMAX ID and password are available to a business entity rather than an individual.

2.3.1 Assigning iMAX Roles to Users

If you are a WASS Coordinator and want to assign the iMAX role to a user, follow the steps below.

1. Log in to WASS (see figure below).

![User Login Form]

ATTENTION: This computer system, and all the systems associated with this system for User Authorization and Authentication, are protected by a computer security system; unauthorized access to these systems is not permitted; and usage may be monitored.

NOTE: There is an inactivity timeout of 30 minutes. Please save your work periodically to avoid being logged out. Please also note that there is a 4 hour session timeout, after which, you will need to re-authenticate. You can then resume where you left off.

Content updated March 3, 2007

The WASS main menu displays (see figure below).
2. Under **System Administration**, click **User Maintenance**. The **User Maintenance** page displays (see figure below).

3. On the **User Maintenance** page, in the **User ID** field, enter the User ID of the user to whom you want to assign the iMAX role.
4. Click the **Search Users** button. If you entered a correct User ID, the **Maintain User** page displays, with the user’s ID in its title (see figure below).

![Maintain User M55511](image)

5. In the **Maintain User** page, from the **Choose a Function** drop-down list, select **Maintain User Profile – Roles** (see figure below).

![Maintain User M55511](image)

6. Click the **Submit** button. The **Assign / Unassign Roles for User** page displays (see figure below).
7. Under **IMAX – Integrated Multifamily Access Exchange**, select the check box for **IME – iMAX (TRACSMAIL replacement)**.

8. Click the **Assign / Unassign Roles** button (see figure below).

9. A confirmation message displays (see figure below). Click **OK**.
2.3.2 Assigning the iMAX Coordinator Action for WASS Coordinators ONLY

1. Follow steps 1–4 in the previous section 2.3.1. If you entered a correct User ID, the Maintain User page displays, with the user’s ID in its title (see figure below).

2. On the Maintain User page, from the Choose a Function drop-down list, select Maintain User Profile – Actions (see figure below).

3. Click the Submit button. The Assign / Unassign Action for User page displays (see figure below).
4. Scroll down to the heading **IMAX – Integrated Multifamily Access Exchange** (see figure below).

5. Select the check box for **COR - Coordinator**.

6. Click the **Assign/Unassign Actions** button (see figure above).
7. A confirmation message displays (see figure below). Click OK.

![Successful Transaction](image)

2.4 Contingencies and Alternate Modes of Operation

Please refer to the TRACS Contingency Plan.
3.0 GETTING STARTED
3.0 GETTING STARTED

The system access is controlled using WASS. Logging in with the WASS ID will make the iMAX system available to the user via link.

3.1 Logging On

1. Go to the Secure Systems URLs.
   a) If you are an internal HUD user: https://hudapps.hud.gov/ssmaster/index.cfm
   b) If you are an external user: https://hudapps.hud.gov/HUD_Systems/index.cfm

2. The following screen will appear:

   ![User Login]

   User ID
   [Input field]
   Password
   [Input field]

3. Type the WASS User ID and Password into the respective fields and click Login.

   ![User Login]

   User ID
   [Input field: M16004]
   Password
   [Input field: ********]

4. After logging into WASS, click the integrated Multifamily Access eXchange (iMAX) link in the Secure Systems main menu.

5. Do one of the following:

<table>
<thead>
<tr>
<th>If …</th>
<th>Do This</th>
</tr>
</thead>
<tbody>
<tr>
<td>The TRACS Rules of Behavior page displays (see following figure)…</td>
<td>Continue with Step 6.</td>
</tr>
<tr>
<td>The TRACS Rules of Behavior page does not display…</td>
<td>You have already accepted the TRACS Rules of Behavior within the last year. The iMAX login page displays instead. Continue with Step 13.</td>
</tr>
</tbody>
</table>
3.0 Getting Started

RULES OF BEHAVIOR

Internal/External HUD Users:

The Office of Multifamily Housing (MF) may grant system access to internal users (HUD employees, contractors) and external users (owners of multifamily property, management agents, contract administrators, service bureau and clients/customers who have a need to access the TRACS/F7 and/or the MF EIV systems for official HUD business only. Access is based on specific job function and only information to which you are authorized will be accessible.

The system user identification (User ID/password) issued to you is to be used solely in connection with the performance of your responsibilities in support of the HUD mission, and may not be used for personal or private gain. As a condition of receiving access, you agree to be responsible for the confidentiality of the assigned information, i.e., will not provide to anyone, accountable for all activity with your user identification, and that you will notify the MF TRACS Security Office (MFTRACSSECURITY@hud.gov) include User ID in writing upon leaving your place of employment or transfer to another position/office.

Additional rules of the system follow:

a. Log off or lock the system when leaving the system/workstation area.

b. Refrain from leaving passwords in the workstation area.

c. Passwords must be changed every 30 days (iMAX and TRACS Web). Avoid creating passwords that can be easily associated.

d. Your User ID will be suspended after 30 days of inactivity, and you will have to request re-authorization of access (MAX, TRACS Web-based Applications including MF EIV).

Rules of Behavior (full screen)
3.0 Getting Started

Rules of Behavior (detail)

6. Two hyperlinks for Security Training requirements display at the top, one for internal and one for external users. When you are ready, at the bottom of the page, select the CERTIFICATION check box.

7. Click the Accept button. A confirmation message displays.

You must accept the Rules of Behavior before continuing to use iMAX.

8. On the confirmation message, click OK. Your computer’s Print dialogue box displays.

If the sides of the ROB print-out are cut off, adjust the margin settings of your browser and reprint. To adjust the margins go to File > Page Setup and change the margin on all four sides to at least 0.5”. Click OK on the Page Setup dialog. Then click Reprint button at the bottom of the ROB page.

10. Sign the hard copy.

11. Transmit it to HUD according to one of the methods described at the top of the document under Instructions.

12. On the Rules of Behavior page, if you want to print the Rules of Behavior again, click the Reprint button and follow the instructions starting with the previous step 9. Otherwise, click the Continue to iMAX button.

13. The following screen will appear:

![Log on screen]

14. Enter your assigned TRACSMail/iMAX User ID and Password.

![Log on screen with entered credentials]

15. Click Log on on the right side of the screen.
16. The default page displays (see figure below).

3.2 System Menu

This section presents an overview of the three tabs comprising the application.

3.2.1 iMAX User Broadcasts

The Broadcasts tab allows you to view any messages that have been sent from the HUD Administrator. You can view when the message was sent and can also access previously sent messages. Upon clicking this tab, you will initially only be able to see the three most recent broadcast messages.

3.2.2 iMAX User Transmissions

The Transmissions tab allows you to upload and send files to HUD, as well as to other iMAX users (i.e., PBCAs, OAs, and Service Bureaus). This tab also allows you to view any and all files that have been sent to or received from HUD or any other iMAX user.

3.2.3 iMAX User Profile

The User Profile tab allows you to view and make any necessary changes to their iMAX profile or user password.
3.3 Changing Your Password

1. In order to change your password, click the Profile tab from any screen.

2. The My Profile page will appear. Click the Change Password link in the upper left corner.

3. Enter the current password, new password, and retype the new password in the required fields.

4. Click the Change Password button.

3.4 Exit System

1. To log off from iMAX, click the Logout link in the top right corner of the screen.

2. The system terminates the current user session and displays a page with the message, “You have been successfully logged off.”
4.0 USING THE SYSTEM (ONLINE)
4.0 USING THE SYSTEM

4.1 iMAX User Broadcasts

1. Click the Broadcasts tab in order to view received administrative broadcast messages.

<table>
<thead>
<tr>
<th>Date</th>
<th>Message ID</th>
<th>Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 8, 2008</td>
<td>30</td>
<td>The iMAX system will be offline from 10:00pm to 2:00am EST.</td>
</tr>
</tbody>
</table>

2. Click the Previous or Next links to view an earlier or later set of messages.

4.2 iMAX User Transmissions

4.2.1 Upload

1. Click the Transmissions tab followed by the Upload sub tab.

2. The system displays the following fields to be filled: Destinations, Subject, and MAT File.

3. In the Destinations field, type in the location where the file or files are being sent. To send the file or files to TRACS, type in TRACMPROD or TRACMTEST. You can also send the file to different iMAX users by typing their iMAX User ID. If you wish to send the file to multiple users, be sure to separate the destinations with a comma followed by a space.

4. In the Subject field, type a brief summary identifying the transmission (just as you would in the subject field of an e-mail).

5. In the MAT File field, click Browse... in order to select which .txt or .mat MAT file you would like to send.
Please be aware that iMAX can only upload .txt or .mat files.

6. After you select the file, under the MAT File field, a More Files hyperlink displays. If you want to upload additional files, click the More Files link. An additional MAT File field and Browse button display. Repeat the previous step 5.

7. At any point in the process you can start over by clicking Clear on the right hand side of the page.

8. After filling in the required fields and selecting all the files you want to upload, click Upload.

4.2.2 Sent to TRACS

This tab displays the files that have been sent to a TRACS destination, either TRACMPROD or TRACMTEST.

Note the Status column on the far right of the figure below. The status will update approximately every 2 hours.

<table>
<thead>
<tr>
<th>Transaction ID</th>
<th>To</th>
<th>Subject</th>
<th>Uploaded</th>
<th>Transmitted</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>TING0000000100164</td>
<td>TRACMPROD</td>
<td>Test</td>
<td>2008-05-09 15:16:20 EDT</td>
<td>N/A</td>
<td>Received</td>
</tr>
</tbody>
</table>

Explanation of statuses:

- **Received.** A file has been successfully uploaded.
- **Error.** A file contains a processing error and has not been transmitted to TRACS for processing.
- **Transmitted.** A file has passed processing validations and has been transmitted to TRACS for processing.

4.2.3 Received from TRACS

This tab displays the files that have been received from TRACS.
4.2.4 Sent to Others

This tab displays the files that have been sent to other iMAX Users. To view any file, click the link in the Attachment column.

<table>
<thead>
<tr>
<th>Transaction ID</th>
<th>To</th>
<th>Subject</th>
<th>Uploaded</th>
<th>Attachment</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1050720350000158</td>
<td>TRACM12004</td>
<td>4</td>
<td>2008-05-07 13:52:23 EDT</td>
<td>.txt</td>
</tr>
<tr>
<td>T1050720350000154</td>
<td>TRACM12004</td>
<td>files</td>
<td>2008-05-07 13:51:45 EDT</td>
<td>.txt</td>
</tr>
<tr>
<td>T1050720350000152</td>
<td>TRACM12004</td>
<td>hi</td>
<td>2008-05-07 13:58:22 EDT</td>
<td>.txt</td>
</tr>
<tr>
<td>T1050720350000121</td>
<td>TRACM12004</td>
<td>4</td>
<td>2008-05-07 13:29:07 EDT</td>
<td>.txt</td>
</tr>
</tbody>
</table>

4.2.5 Received from Others

This tab displays files that have been received from other iMAX Users.

<table>
<thead>
<tr>
<th>Transaction ID</th>
<th>From</th>
<th>Subject</th>
<th>Received</th>
<th>Attachment</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1050720350000160</td>
<td>TRACM12004</td>
<td>1</td>
<td>2008-05-08 11:33:20 EDT</td>
<td>T1050720350000160.txt</td>
</tr>
<tr>
<td>T1050720350000159</td>
<td>TRACM12004</td>
<td>1</td>
<td>2008-05-08 11:32:01 EDT</td>
<td>T1050720350000159.txt</td>
</tr>
<tr>
<td>T1050720350000154</td>
<td>TRACM12004</td>
<td>files</td>
<td>2008-05-07 13:51:46 EDT</td>
<td>T1050720350000154.txt</td>
</tr>
<tr>
<td>T1050720350000149</td>
<td>TRACM12004</td>
<td>files</td>
<td>2008-05-07 13:42:48 EDT</td>
<td>T1050720350000149.txt</td>
</tr>
<tr>
<td>T1050720350000143</td>
<td>TRACM12004</td>
<td>files</td>
<td>2008-05-07 13:40:44 EDT</td>
<td>T1050720350000143.txt</td>
</tr>
</tbody>
</table>

4.3 iMAX User Profile

4.3.1 Change Password

Please refer to section 3.3 for information.

4.3.2 Profile Management

1. Click the Profile tab followed by the Profile Management sub-tab.

2. Click Edit Profile on the right hand side of the screen; the following screen will appear:
4.0 Using the System

3. Make any necessary alterations in the correct field and then click **Update**.

### 4.4 Special Instructions for Error Correction

There are no special instructions needed for error corrections. The system will prompt you when an error occurs in the data entry. You will need to correct the error before the system will proceed.

### 4.5 Caveats and Exceptions

There are no caveats or exceptions applicable to iMAX.
5.0 QUERYING

5.1 Query Capabilities

Please refer to Section 4 in regards to the query capabilities of the iMAX system.

5.2 Query Procedures

Please refer to Section 4 in regards to the query procedures of the iMAX system.
6.0 REPORTING
6.0 REPORTING

6.1 Report Capabilities

Please refer to Section 4 in regards to the reporting capabilities of the iMAX system.

6.2 Report Procedures

Please refer to Section 4 in regards to the reporting procedures of the iMAX system.
APPENDIX A   STATUS MESSAGES
APPENDIX A  STATUS MESSAGES

The following table identifies the iMAX status messages.

<table>
<thead>
<tr>
<th>Status Code</th>
<th>Status Description</th>
<th>Clarification / Corrective Action for Errors</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Success</td>
<td>No corrective action is necessary.</td>
</tr>
<tr>
<td>300</td>
<td>Missing Files</td>
<td>System did not find an uploaded file. Please upload the file again.</td>
</tr>
<tr>
<td>400</td>
<td>Authentication of iMAX User ID and Password Failed</td>
<td>To verify the iMAX ID (TRACMXXXXX) and password, please contact the Multifamily Help Desk at 1-800-767-7588.</td>
</tr>
<tr>
<td>401</td>
<td>Authentication of WASS User ID and Password Failed</td>
<td>For assistance with WASS IDs (for example, M55551) issues, please contact the REACTAC at 1-888-245-4860.</td>
</tr>
<tr>
<td>403</td>
<td>(Forbidden). The WASS ID is not in the imaxuser LDAP group.</td>
<td>If you are WASS user, verify that your WASS ID (for example, M55551) has the iMAX role assigned. If you are a WASS Coordinator, make sure the iMAX action and iMAX roles are assigned. If not, have the role and/or action assigned. You will be added to the group within 24–48 hours.</td>
</tr>
<tr>
<td>405</td>
<td>LDAP Communication Error – System unavailable</td>
<td>System is currently unavailable. Please retry later.</td>
</tr>
<tr>
<td>500</td>
<td>Internal System Error – System unavailable</td>
<td>System is currently unavailable. Please retry later.</td>
</tr>
<tr>
<td>600</td>
<td>No Message Found in outbox</td>
<td>System found no messages in the sent to others outbox. No corrective action is necessary.</td>
</tr>
<tr>
<td>601</td>
<td>No Message Found in inbox</td>
<td>System found no messages in the received from others inbox. No corrective action is necessary.</td>
</tr>
<tr>
<td>602</td>
<td>No Results Found</td>
<td>System found no response files from TRACS for the specified period. No corrective action is necessary.</td>
</tr>
<tr>
<td>603</td>
<td>No Requests Found</td>
<td>System found no request files from the TRACS for processing. No corrective action is necessary.</td>
</tr>
<tr>
<td>604</td>
<td>No Broadcast Message</td>
<td>System found no Broadcast Messages. No corrective action is necessary.</td>
</tr>
</tbody>
</table>