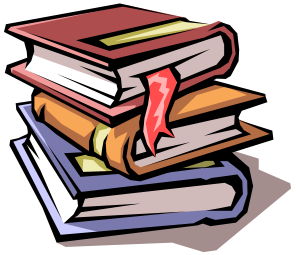
Document Management Tools and Process

Capt Grover Trask
FedEx Flight Operations

Publishing Process



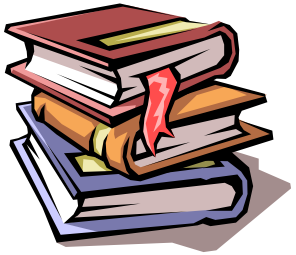
Publishing Process

Manage Ideas

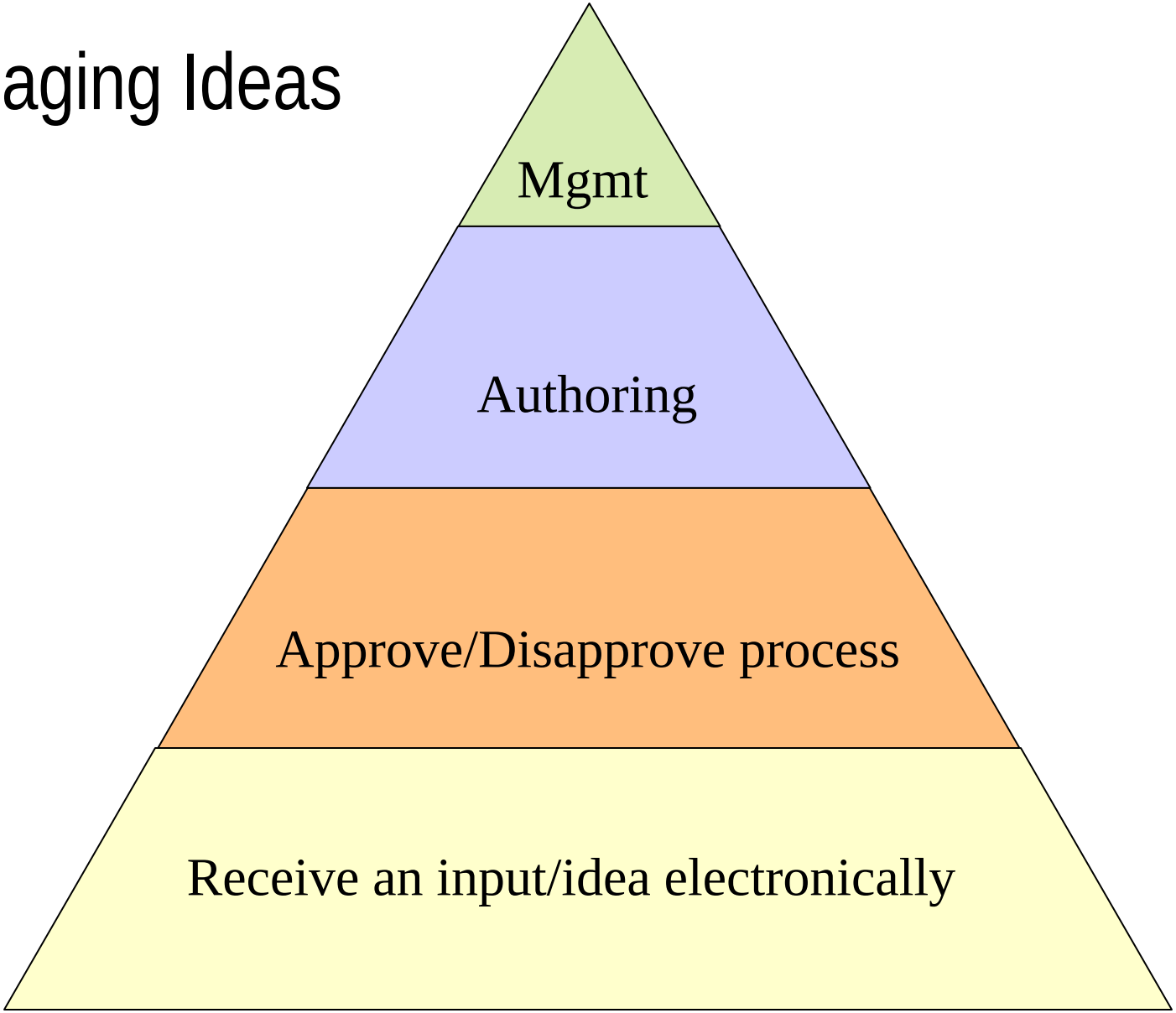
Author Documents

Manage Documents

Publish Document



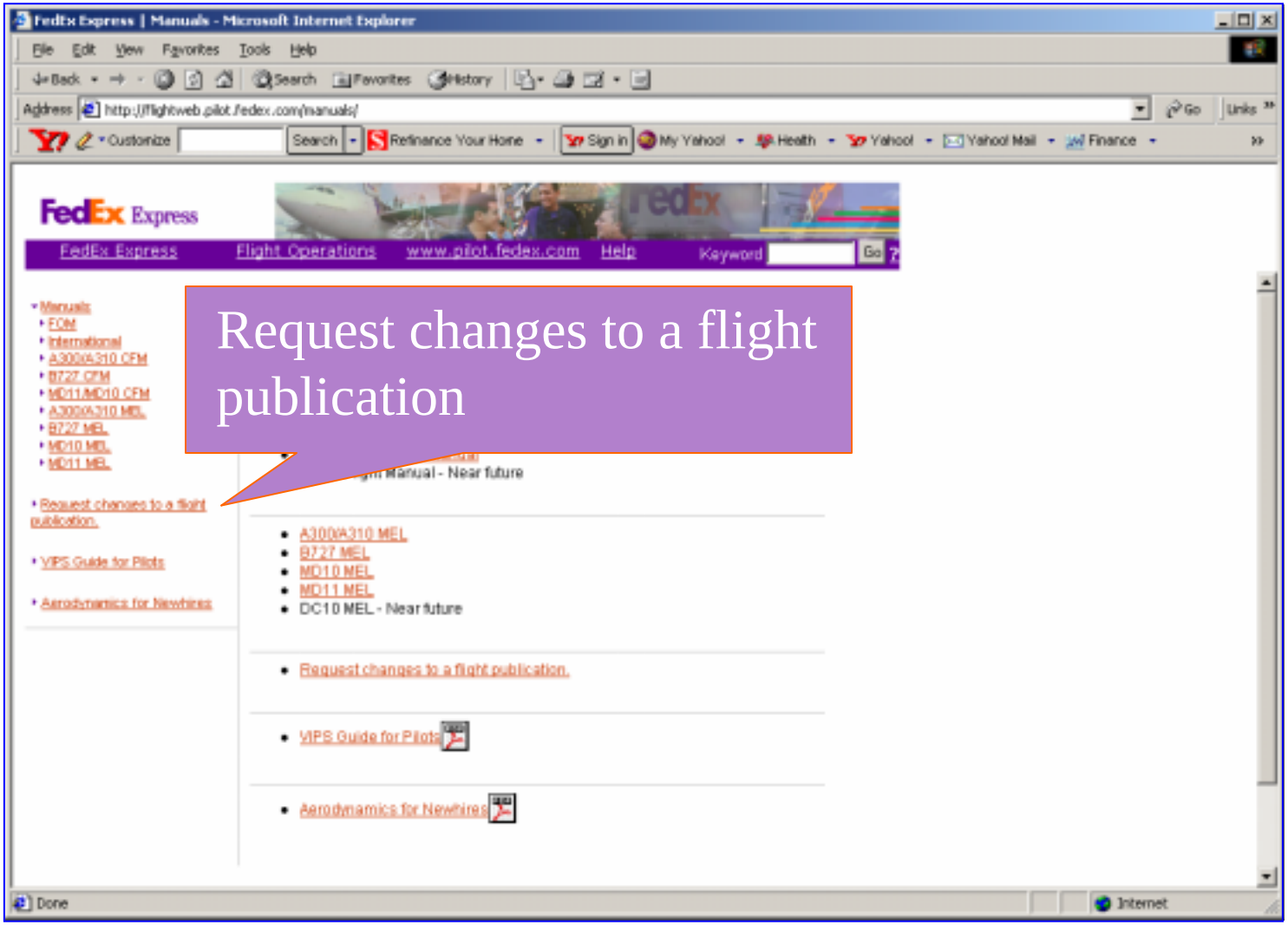
Managing Ideas



Development Tools

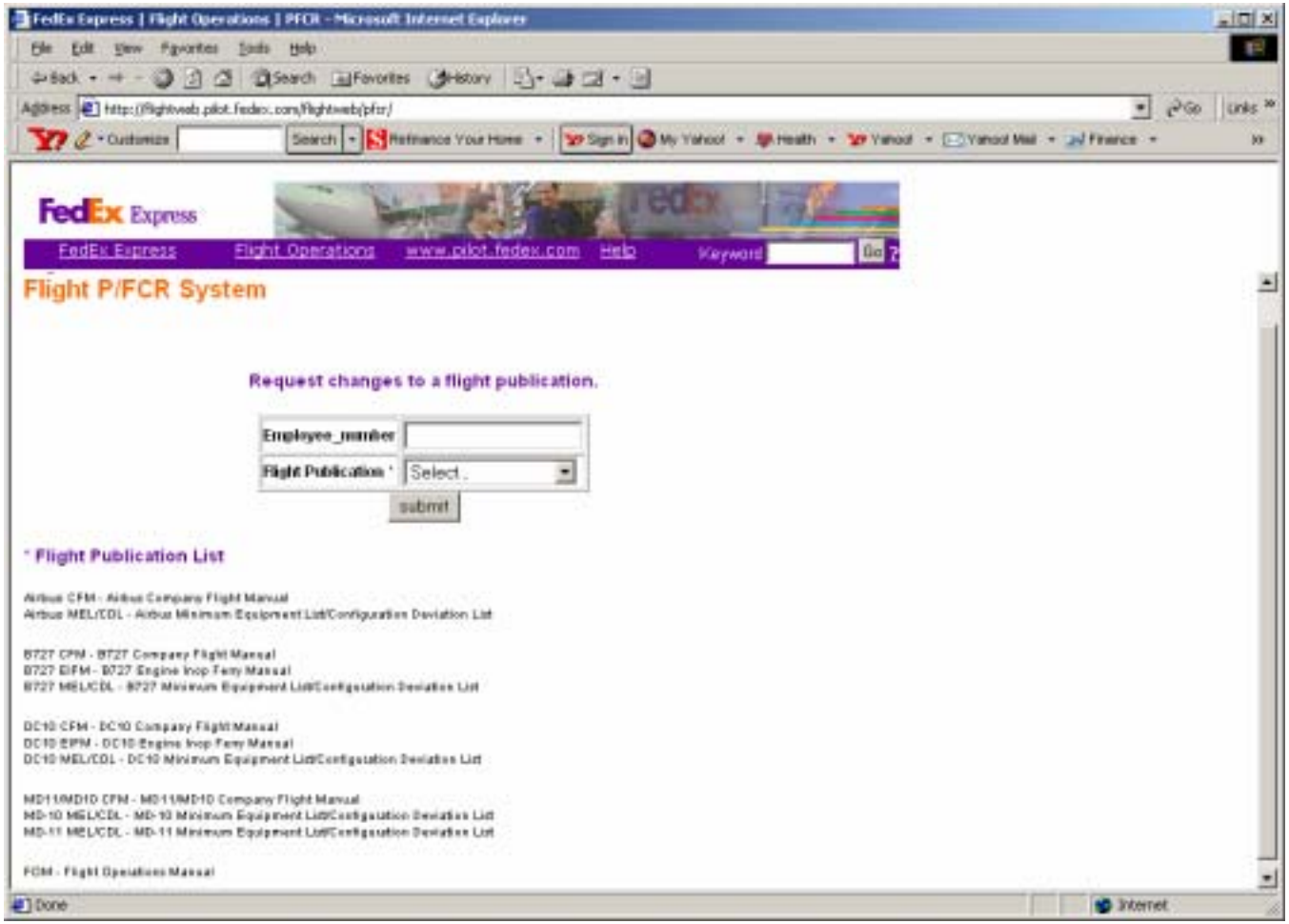
- Web interface to Documentum
  - Knowledge of Documentum scripting
  - Pearl scripts available free on the web (some editing of scripts)
  - Knowledge of HTML
- This was developed all in house with no programmer support.

Receiving Ideas/inputs

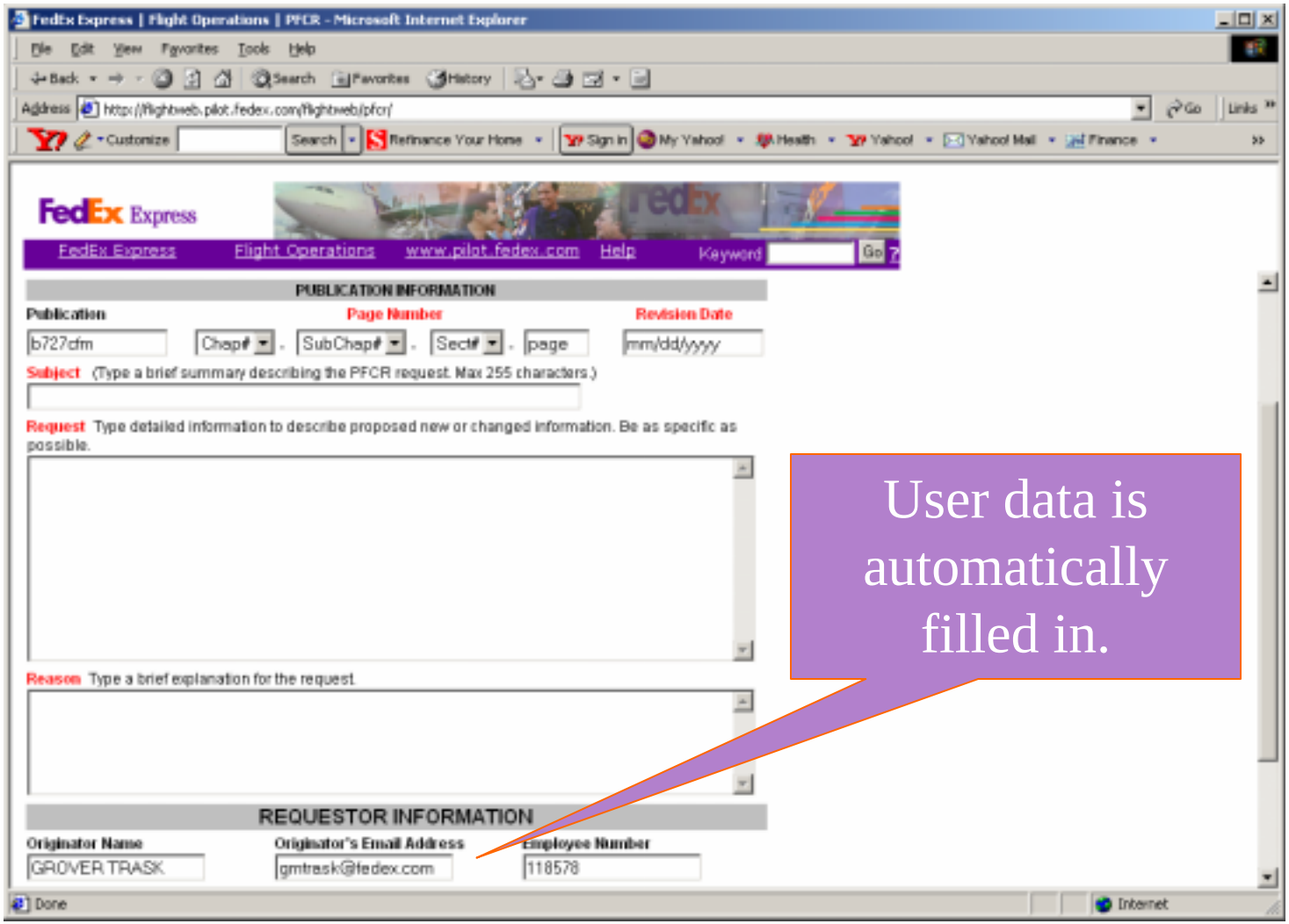


Request changes to a flight publication

Input Login Screen

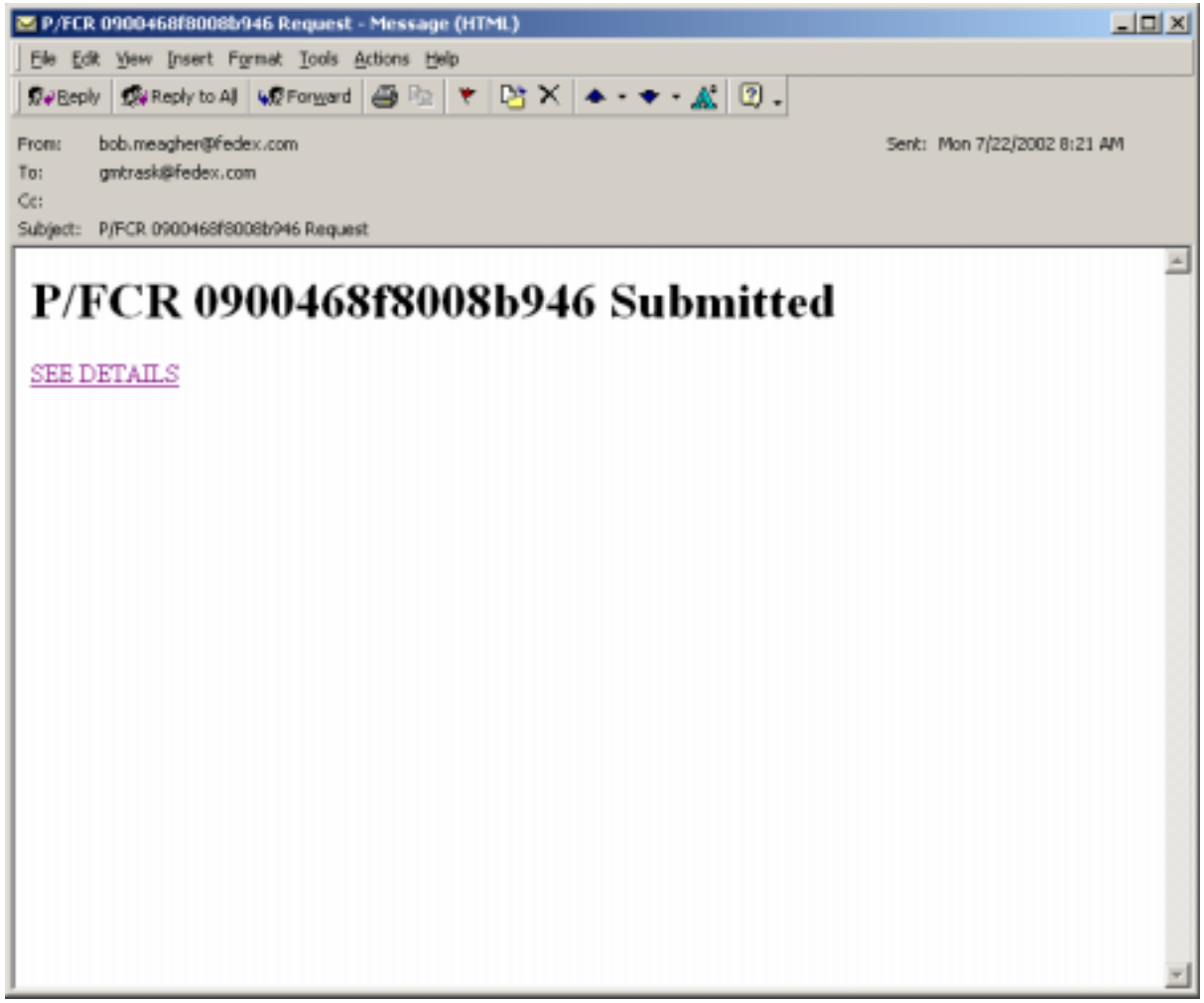


Input Web Form



User data is automatically filled in.

Managing Inputs – Email Notification



Managing Inputs – Email Notification

Flight Tech Support Home Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites History

Address http://flighttechsupport.aod.fedex.com/cgi-bin/pfcr/pfcr_getdetail.pl?obj_id=0900468f8008b946&user_id=gt1185788&publication=b727cfm&status=pending

Go Links

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P/FCR 0900468f8008b946 Details

PUBLICATION INFORMATION

Publication: b727cfm

Page Number: 2-8-1-18

MEL Item: na

Revision Date: 02/20/2002

Subject: Lower Cargo Smoke Warning

Request: Add a decision tree after Bottle "1 DISCH Button...Push Did the AGT LOW light come on after 15 secs? Yes...continue path No...Bottle #2 DISCH Button Push and continue path

Reason: I've watched students blow over this and not really get the meat of the note and continue without blowing the 2nd bottle. They read the note and continue the checklist waiting for the 15 seconds and have either forgotten or not completely understood the intent of the note. Just needs to be cleared up. No AGT Low...fire the 2nd bottle.

REQUESTOR INFORMATION

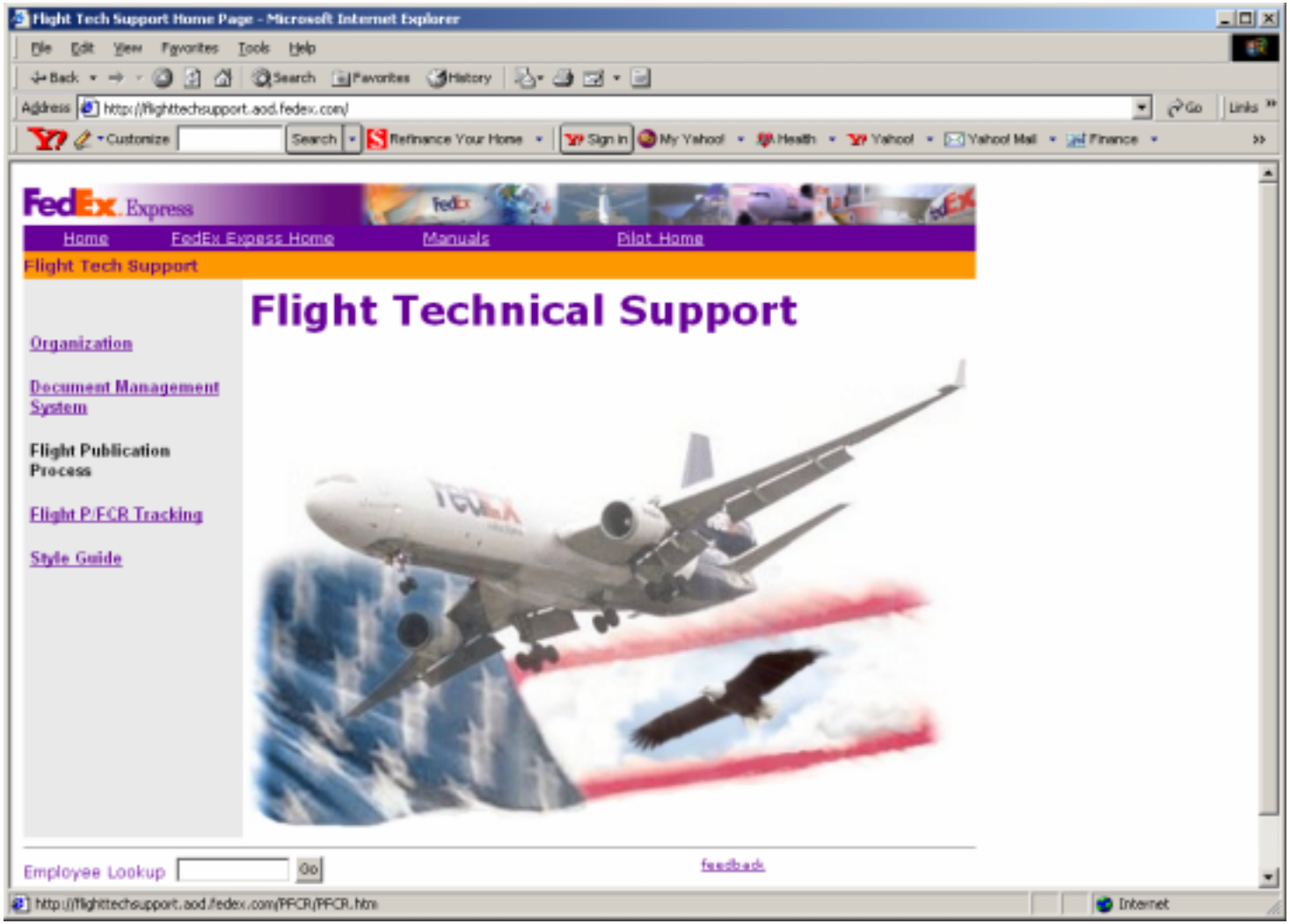
Name: ROBERT MEAGHER

Email Address: bob.meagher@fedex.com

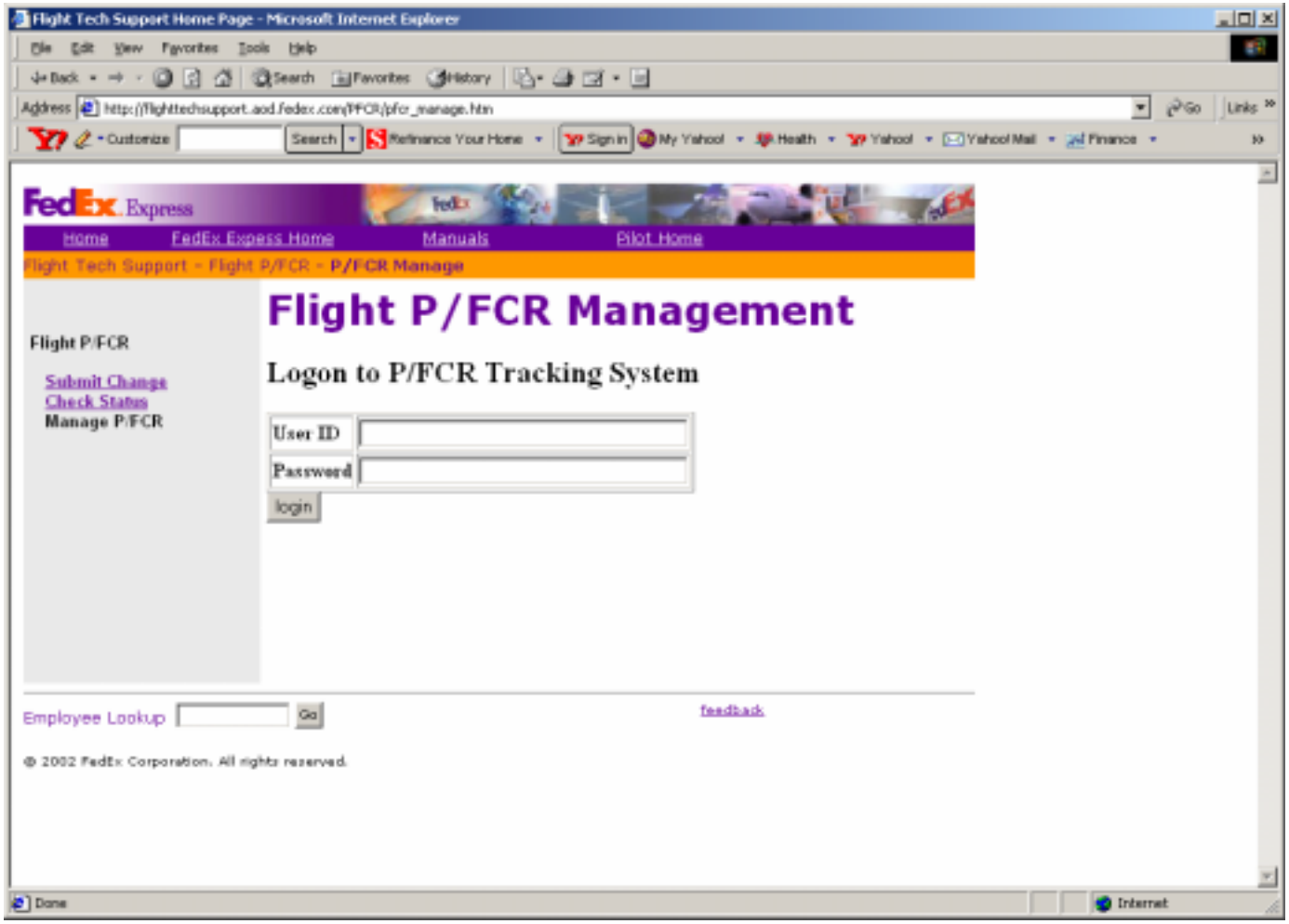
Employee Number: 429709

Done Internet

Managing Inputs

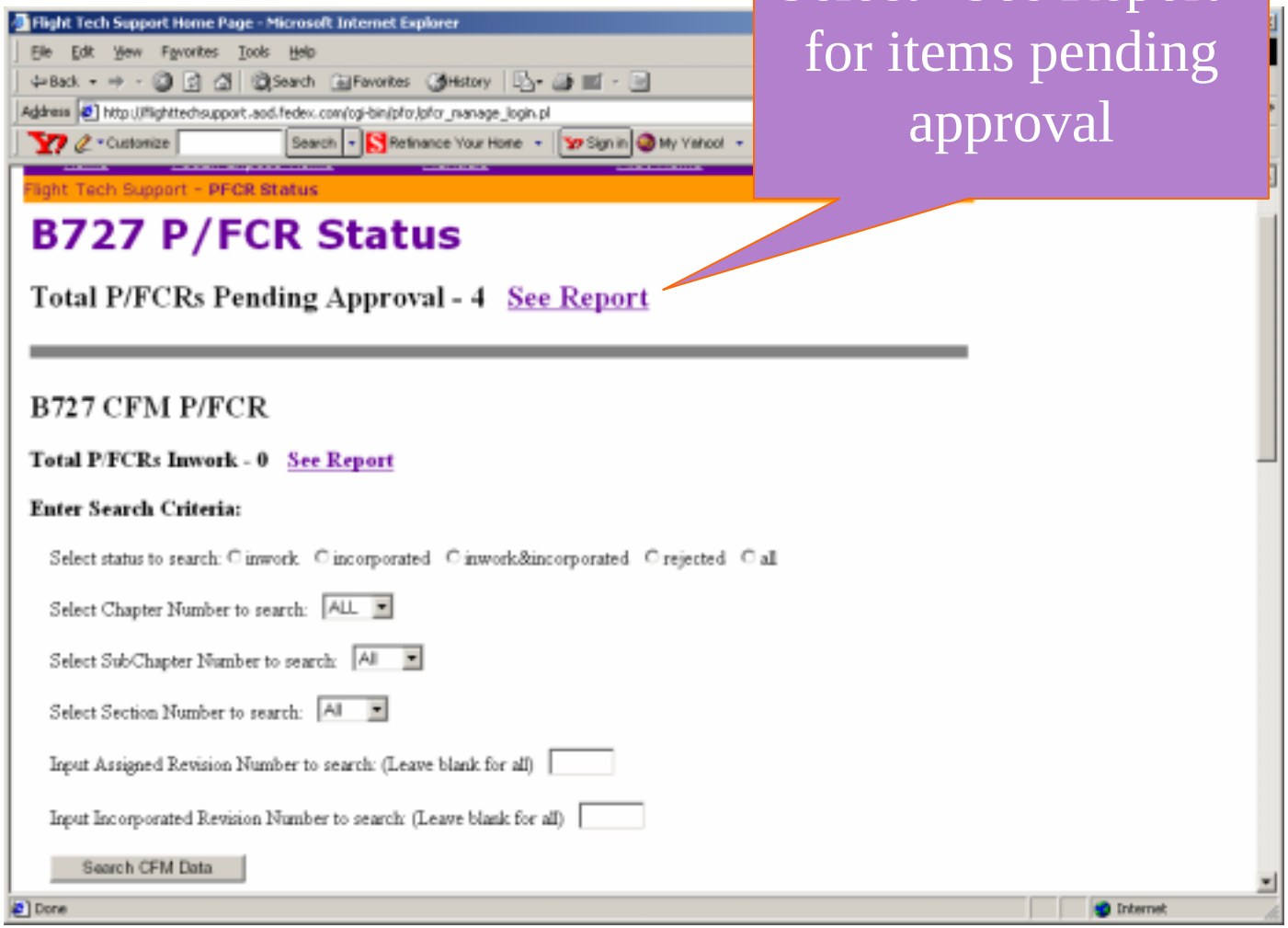


Management Login



Management Screen

Select "See Report" for items pending approval



Management Pending Approval

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Flight Tech Support - PFCR Status

B727 P/FCR's Status

B727 P/FCR's Pending Approval

P/FCR Number	Manual	Open Date	Page Number	MEL Item	Details
0900468f800721b7	b727cfm	3/28/2002 01:45:55 PM	2-5-2-19	na	DETAILS
Subject: landing distance chart/runway length requirements					
0900468f8008b946	b727cfm	7/22/2002 08:15:58 AM	2-8-1-18	na	DETAILS
Subject: Lower Cargo Smoke Warning					
0900468f8008b940	b727cfm	7/22/2002 08:14:40 AM	7-1-2-6	na	DETAILS
Subject: Climb Profile A; Description					

-------END PENDING APPROVAL REPORT-------

Employee Lookup Go

feedback

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Select details for supporting data

Management Pending Approval Details

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Address http://flighttechsupport.aod.fedex.com/cgi-bin/pfcr/pfcr_getdetail.pl?obj_id=0900468f800721b7&user_id=gt1185788&publication=b727cfm&status=pending

Go Links

Customize Search Refinance Your Home Sign In My Yahoo Health Yahoo! Yahoo! Mail Finance

P/FCR 0900468f800721b7 Details

PUBLICATION INFORMATION

Publication: b727cfm

Page Number: 2-5-2-19

MEL Item: na

Revision Date: 06/06/2001

Subject: landing distance chart/runway length requirements

Request: Currently there is no guidance as to the runway length required to land with the vref additive when landing flaps up and other flap/slat malfunctions. The current procedures state "dump if required". Is it required for the intended runway? Can I land at HTS with flaps up on a wet runway after adding 55 knots to vref? There is no chart or APLC feature that allows the pilot to input weight,speed,runway condition to make these determinations.

Reason: A chart or APLC feature is needed.

REQUESTOR INFORMATION

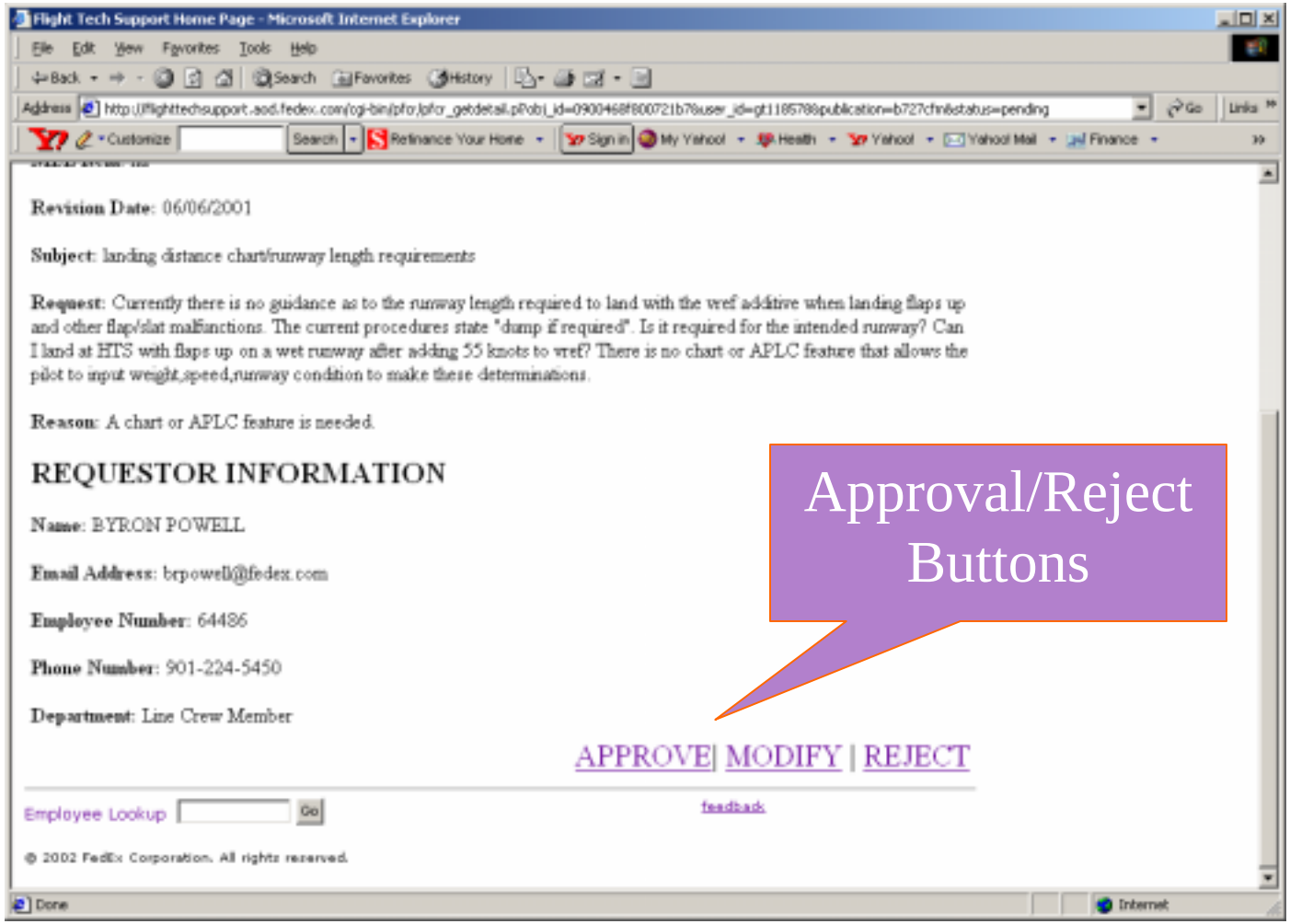
Name: BYRON POWELL

Email Address: bepowell@fedex.com

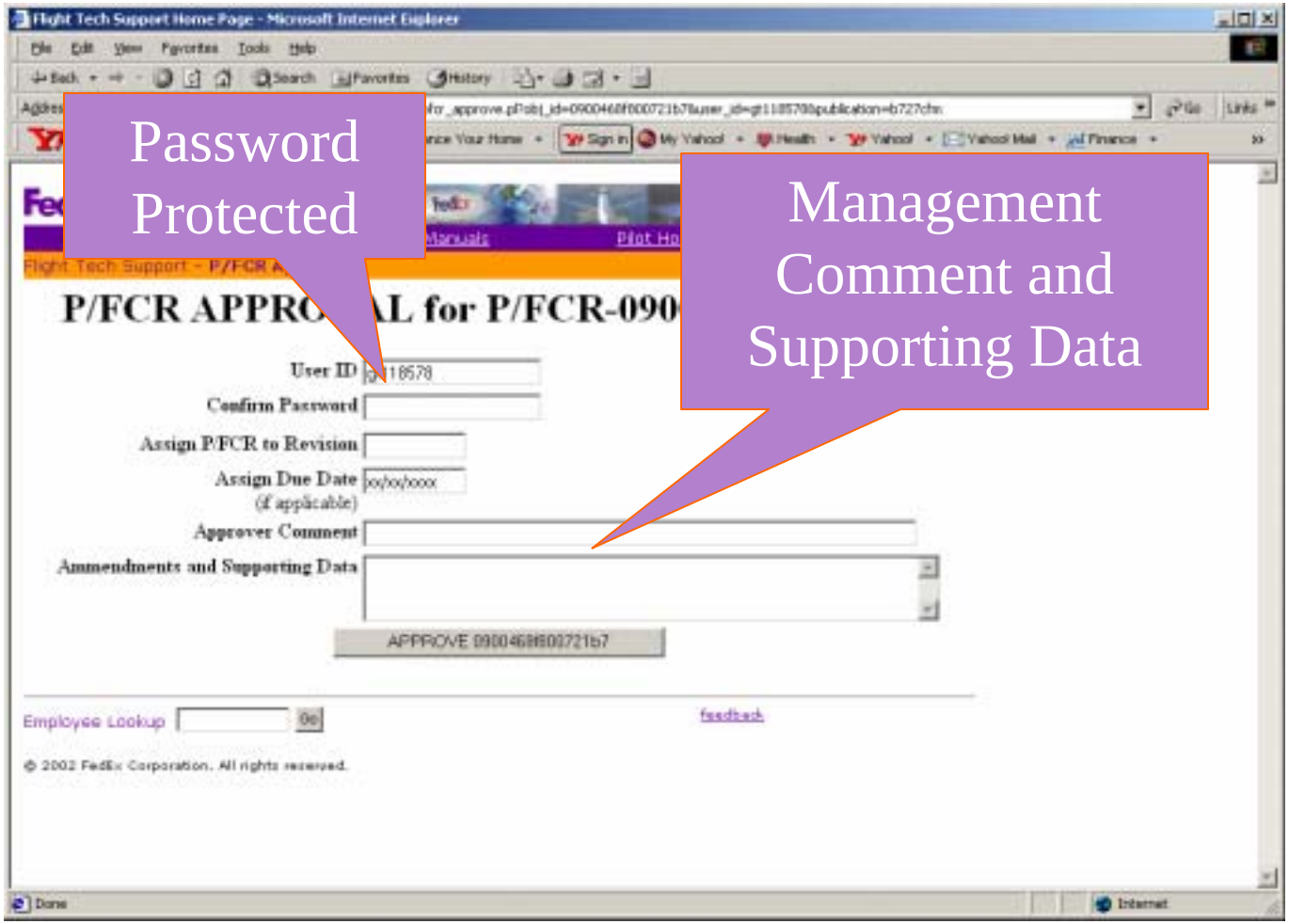
Employee Number: 64486

Done Internet

Management Approval Process



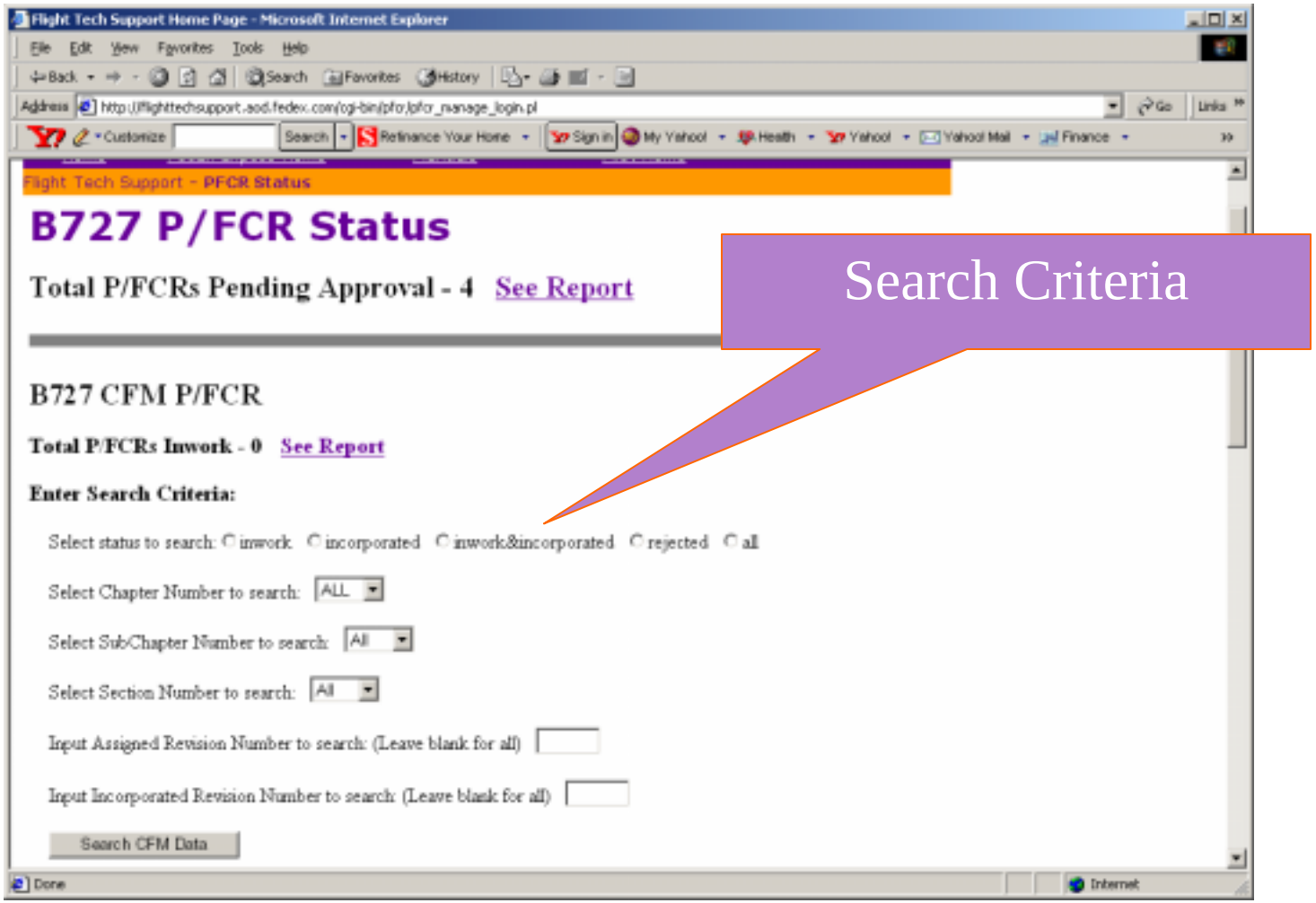
Management Approval Process Verification



Historical Data

Legal Ramifications

Historical Data



Search Criteria for Each Manual

- Chapter
- Subchapter
- Section
- In work
- Incorporated
- Rejected

Search Results

Flight Tech Support Home Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://flighttechsupport.aod.fedex.com/cgi-bin/pfcr/pfcr_query.pl

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Flight Tech Support - PFCR Status

B727 P/FCR Query

CFM P/FCR Results

P/FCR Number	Manual	Open Date	Page Number	Assigned Rev	Due Date	Status	Details
0900468f80073deb **Subject:** NASI Cargo Door	b727cfm	4/5/2002 03:01:33 PM	0-0-0-4	21	nulldate	incorporated	DETAILS
0900468f8007f96c **Subject:** flap altitude limitation	b727cfm	5/16/2002 08:44:11 AM	1-2-0-5	21	nulldate	incorporated	DETAILS
0900468f80073e0b **Subject:** -100 Fuel management - Flight Crew Action	b727cfm	4/5/2002 05:21:26 PM	1-2-0-2	21	nulldate	incorporated	DETAILS
0900468f800725cb **Subject:** SP-50 Autopilot Minimum Engagement Altitude	b727cfm	3/29/2002 02:11:54 PM	1-2-0-1	21	nulldate	incorporated	DETAILS
0900468f8008a98f	b727cfm	7/17/2002 11:13:37 AM	1-2-0-3	21	nulldate	incorporated	DETAILS

Done

Conclusion

- Develop an electronic system to receive changes to flight documents
- Before a document is ever changed
  - Ensure the appropriate staff review the change
  - Approve/Reject the suggested change
- Track what is input into the manual
- Develop a system to track the history of your manual that your legal department will approve.

Future

- EFB
- Data sharing
  - CBT
  - CFM
  - Training guides