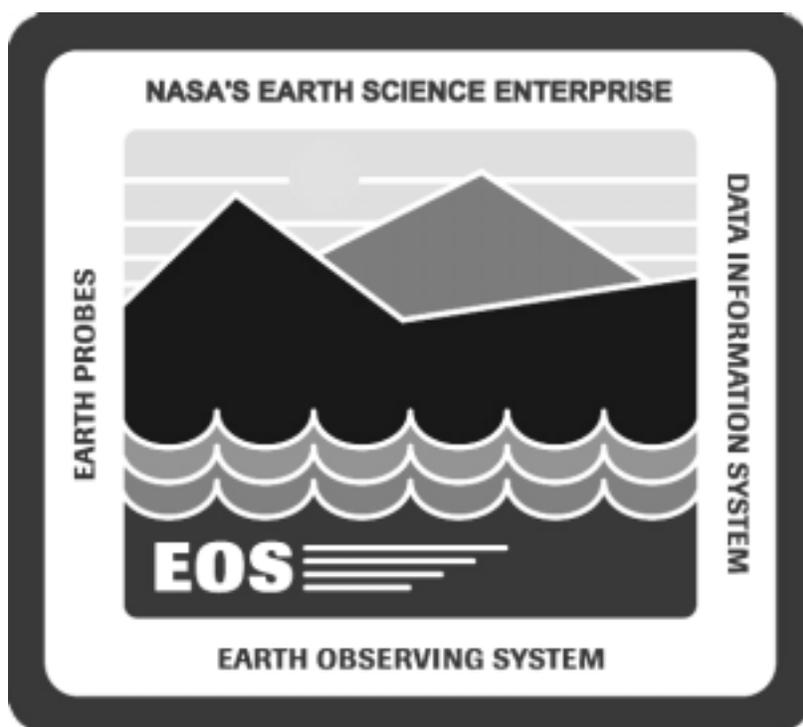


---

# Remote Developer Connectivity and Performance Test

---

ECS Project Remote Development Support



---

# ECS Project Remote Development Support

## Remote Developer Connectivity and Performance Test

### Login and Password to gatekeeper.hitc.com/EDF Information

The Remote Developer must have an "EDF" (ECS Development Facility) for Landover MD. In addition, a "gatekeeper" (gatekeeper.hitc.com ) account in order to access Clearcase™ machines.

#### Password Changing Information

When the Remote Developer receives his/hers, gatekeeper and EDF account, they must change their password. Your password must :

- 1) have at least 6 characters
- 2) not be longer than 8 characters
- 3) have at least 2 letters
- 4) have at least 1 digit
- 5) not be a dictionary word (gatekeeper will reject all real words)
- 6) not be a dictionary word with the letters rearranged
- 7) not be your username
- 8) not be your username backwards
- 9) not be your username with the letters rearranged
- 10) not be a password used in the last 135 days
- 11) differ from your old password by 3 or more characters

ALL external accounts are subject to the **45-day** password aging. This means that if the user does not change his/her password every **45-days**, the account will be "LOCKED." Should an account become "LOCKED" due to a failure to change the password, the ECS authorizing manager will be required to forward mail to the **Remote Developer Administrator** to reestablish the account. At this point, the **Remote Developer Administrator** will unlock the account and notify the manager of the "new" password. This "new" password will have to be changed during the next log in session.

---

---

# ECS Project Remote Development Support

## Remote Developer Connectivity and Performance Test

### Test Login and Connectivity

This test will verify that the Remote Developer can log on to Development machines and perform reads and writes. On the Development machines there will be a sign in file, the Remote Developer will access this file and sign in to prove that (s)he could connect to the machine and write to it.

- 1) wildbill{wgoodman}51: telnet gatekeeper.hitc.com
- 2) login: wgoodman
- 3) Password: \*\*\*\*\*
- 4) gatekeeper% telnet jenga
- 5) login: wgoodman
- 6) Password:\*\*\*\*\*
- 7) jenga{wgoodman}51: cd /home/wgoodman/RemoteDeveloper
- 8) jenga{wgoodman}53: /home/wgoodman/RemoteDeveloper/RemoteDeveloperSignIn vi
- 9) Type in your name and title i.e., William "Bill" Goodman 09/29/00 Remote Developer
- 10) Type wq!
- 11) jenga{wgoodman}54: exit
- 12) gatekeeper% exit
- 13) Connection closed by foreign host.
- 14) gatekeeper% exit
- 15) gatekeeper% logout

**Please call William "Bill" Goodman at (301) 925 0338 or Page at 1(800) 260-5309**

For Maintenance and Operations Remote Developer Connectivity and Performance

---

# ECS Project Remote Development Support

## Remote Developer Connectivity and Performance Test

### Merge Process For Builds And The Interrogation Of New Code Fixes

Before beginning the merge the manager of the developer must contact the Developer Task Leader for the applicable subsystem and obtain approval to perform the merge.

#### Creating New Merge Tasks

Do one of the following to create a task for NCR or development work.

```
cnewtask -intg maint_DROP5A -base DROP5A_BASE <development task name>  
(5A)
```

```
cnewtask -intg maint_DROP5B -base DROP5B_BASE <development task name>  
(5B)
```

```
cnewtask <development task name> (6A)
```

Use cnewtask once only. All subsequent uses of task <task name> begin with

```
csettask <task name>
```

#### Performing a Test Merge

Once you complete sources codes changes in task <task name> and are ready for merging to the baseline, a test merge to the current baseline should be done. This allows the resolution of merge problems prior to merging to the baseline (fixing merge problems on the baseline is difficult and must be avoided).

Create a test merge task to which to do the test merge:

```
cnewtask ... <test merge task name>
```

Use the cnewtask command used to create the task the original development task (except with the test merge task name; if you cnewtask a Drop 5B development task, cnewtask a Drop 5B test merge task).

Perform the test merge from the development task to the test merge task:

```
cleartool findmerge . -fver .../<user name>_<development task name>/LATEST -print
```

```
cleartool findmerge . -fver ../<user name>_<development task name>/LATEST -merge -graphical
```

---

# ECS Project Remote Development Support

## Remote Developer Connectivity and Performance Test

The findmerge command is executed in each Clearcase directory in which source code changes were made (or the root directory common to all directories in which changes were made). When findmerge needs assistance in resolving merge conflicts, findmerge invokes an interactive GUI that allows the user to resolve merge conflicts for Clearcase.

To reduce merge errors, it is wise to compare the merge result in <test merge task name> against the original source code found in <task name> using the UNIX diff command. Keep a copy of changed source code in your home directory against which to difference the test merge results.

### Submitting a Merge

Follow the instructions for submitting a merge request found at the following web site. Request a merge for the test merge task (<test merge task name> task).

<http://pete.hitc.com/STTS/prot-cgi/stts.pl>

The merge to baseline can proceed when the merge is approved.

### Merging to The Baseline

Prior to merging to the baseline the merge must have been approved by the task leader.

Log-in to a designated merge platform (**i.e. starfire, jenga, bmw**).

Merge to baseline from the task created from the test merge.

```
csettask <test merge task name>
```

Use the cmergetask command appropriate to the drop that was referenced when the task was originally created (i.e. if you cnewtask a development task under Drop 5B, use the Drop 5B cmergetask command below). You do not have to change directory to the Clearcase directory in which the source code changes were made; you may remain in your home directory to do this merge.

```
cmergetask -tobranch maint_DROP5A -base DROP5A_BASE (5A)
```

```
cmergetask -tobranch maint_DROP5B -base DROP5B_BASE (5B)
```

```
cmergetask -tobranch relb -base RELB_BASE (6A)
```

The merge to baseline should go smoothly if all merge problems were resolved in the test merge. It is possible for the baseline to change, however, in the period of time between the test merge and the actual merge to baseline, thereby leading to unexpected merge complications to baseline.

---

## ECS Project Remote Development Support

### Remote Developer Connectivity and Performance Test

#### Verifying the Merge to the Baseline

Create a verify merge task to gain access to source code as it appears now on baseline:

```
cnewtask ... <verify merge task name>
```

Compare the source, now on baseline, against the original source code from the development task using the UNIX diff command.

**Please call William “Bill” Goodman at (301) 925 0338 or Page at 1(800) 260-5309**

For Maintenance and Operations Remote Developer Connectivity and Performance