

Subject: Precluding XRP-II Date Problems on Feb 29, 2000
The following directive is issued to all DAACS and labs.

23 Feb 00

Issue: Due to Y2K-related problems, users should not update ILM or baseline records in XRP-II next Tuesday, 02/29/00, or export records to other sites. XRP-II records can be created on any year 2000 date, even Feb 29, and the system will correctly record the date it was created in whatever records capture this information. However, XRP-II data is exchanged daily among sites, and its data load and import programs store incorrect values when encountering that date. XRP-II records containing the date "02/29/00" cannot be exchanged among the sites safely.

Fix: Given the number of XRP-II modules and functions that store the "current date" in a variety of XRP-II records, the product should not be used on 02/29/00. As a precaution, all sites should disable XRP-II on that day as follows:

a) At close of business on 02/28/00:

i) Log on to the XRP-II host either as "root" or as user "xrpadm".

ii) Ensure no one is using XRP-II by typing:

```
/usr/bin/ps -edf | grep xrp
```

iii) Change the file access mode on the database file at /usr/ecs/OPS/COTS/xrp_v312/mms/bin/file.db to "000". Type:

```
chmod 000 /usr/ecs/OPS/COTS/xrp_v312/mms/bin/file.db
```

This will prevent anyone from running XRP-II. Anyone attempting to use the product would simply receive notification that a data dictionary error occurred.

b) At start of business on 03/01/00:

i) Log on to the XRP-II host as either "root" or as user "xrpadm".

ii) Change the file access mode on the database file at /usr/ecs/OPS/COTS/xrp_v312/mms/bin/file.db back to "664". Type:

```
chmod 664 /usr/ecs/OPS/COTS/xrp_v312/mms/bin/file.db
```

This will restore appropriate user permissions.

Testing: Attempt to run the program from a Sun or X-Term machine by typing:

```
source /usr/ecs/OPS/COTS/xrp_v312/scripts/xrp_csh_env.cfg  
pcs <terminal id> xterm # leave ":0.0" out of the id
```

If XRP-II has been disabled, the system should open an XRP-II window displaying the message, "A data dictionary error has occurred. Please check the error log", and then quit.

If XRP-II is enabled, the system should open an XRP-II window displaying the ECS Management System Main Menu if the user is registered as an authorized user in XRP-II; press <F8> to exit. Otherwise, the system will display the message, "User not found", then quit at the user's next keystroke.

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ECS Project

Engineering Technical Directive

No. 00-001

Subject: Precluding XRP-II Date Problems on Feb 29, 2000

23 Feb 00

Implementation: This fix should be applied to the following ECS machines:

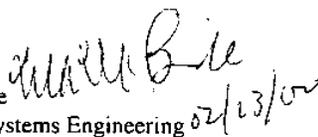
- All CM Server machines:
 - EDC e0mss02
 - GSFC g0mss02
 - LaRC l0mss01
 - NSIDC n0mss02
 - SMC m0mss02
 - VATC t1mss03
 - PVC p0mss02

- Other XRP-II machines:
 - EDF xrp serv
mss1
dipe1sun.

Point of Contact: Alexander Schuster, INFR (ICOTS), (301) 925-0519

Approved By:

M. McBride
Director, Systems Engineering



02/23/00

Reference CCR: 00-0192

-----End of Directive-----

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