

March 2, 2004
9704-MSS-018

DOCUMENT CONTROL DESK
UNITED STATES NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

Reference: a) Boeing Letter G-1151-RSO-92-365 dated August 31, 1992; R.S.
Orr to the NRC Operations Center

b) NRC Letter Docket No. 99901227 dated August 12, 1992; L. J.
Norrholm to R. S. Orr; Subject: Response to 10 CFR 21 Inquiry

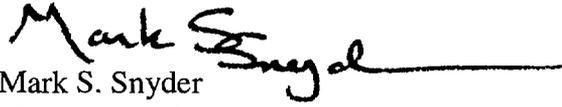
Dear Sir or Madam:

In accordance with the Reference correspondence and 10 CFR 21, Boeing is sending the NRC the attached error notices received from our former software suppliers. Because of unknown current addresses, the following former customers were not notified:

Reactor Controls, Inc
Echo Energy Consultants
Nuclear Applications and Systems Analysis Company (Japan)
Nuclear Power Services
GPU Nuclear Corporation
Tenera, Inc.
Stone & Webster Engineering
Raytheon Engineers & Constructors

Error notices have been sent to our other former customers.

Very truly yours,


Mark S. Snyder
Nuclear Administrator
Mail Code 7A-XT

Enclosures: GT STRUDL Program Report Forms 2003.9 and 2003.10

IE20



GTSTRUDL Program Report Form

GPRF No.: 2003.9

DATE: 10/31/2003

FROM: Computer-Aided Structural Engineering Center
Georgia Institute of Technology
Atlanta, Georgia 30332-0355

SEVERITY LEVEL:

- URGENT** Problem results in incorrect answers which may not be apparent or job aborts and cannot be recovered within the session or job.
- SERIOUS** Problem results in incorrect answers which are obvious or problem prevents completion of a particular user's task.
- MINOR** Problem can be worked around or problem poses high frustration factor.
- INFORMATIVE** Documentation error, program usage tip, user inconveniences.

Date Problem Confirmed October 31, 2003

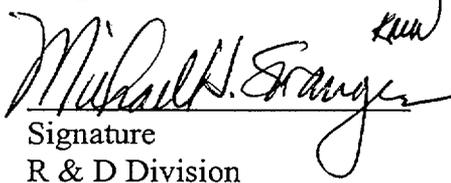
Date Notification Sent 11/4/03

Computers All

Operating System All

Version All

Target Release for Correction Version 28.0


Signature
R & D Division

Sr. Research Engineer
Title

Michael H. Swanger
Typed or Printed Name

10/31/03
Date of Signature


Signature
Professional Services Division

Configuration Control Manager
Title

David C. Key
Typed or Printed Name

11/4/03
Date of Signature

GTSTRUDL Program Report Form (Continued)

GPRF No.: 2003.9

DATE: 10/31/03

DESCRIPTION:

The RESPONSE SPECTRUM LOAD command will abort if the specified response spectrum file is not found. The following sequence of GTStrudl output lines illustrates the abort.

```
{ 1840 } > $
{ 1841 } > $
{ 1842 } > $ SPECIFY RESPONSE SPECTRA LOAD
{ 1843 } > RESPONSE SPECTRA LOADING 100 'RESPONSE SPECTRA:TRANSLATION X-DIRECTION'
{ 1844 } > SUPPORT ACCELERATION
{ 1845 } > TRANSLATION X FILE 'RESPONSE'
**** STRUDL ERROR DY.44 - FILE RESPONSE NOT FOUND
DAM-f-maxsub, fdi4: subscript greater than defined size--
2th subscript = 0, pointer contents = 422(hex).
```

The only work-around is to correct the problem that caused the specified response spectrum file to be absent from the user data set.

GTSTRUDL User Reference Manual Sections:

Response Spectrum Loading Condition Commands

Section 2..4.4.6, Volume 3, Rev. J, GTSTRUDL
Reference Manual

GTSTRUDL Program Report Form

GPRF No.: 2003.10

DATE: 11/14/03

FROM: Computer-Aided Structural Engineering Center
Georgia Institute of Technology
Atlanta, Georgia 30332-0355

SEVERITY LEVEL:

- URGENT Problem results in incorrect answers which may not be apparent or job aborts and cannot be recovered within the session or job.
- SERIOUS Problem results in incorrect answers which are obvious or problem prevents completion of a particular user's task.
- MINOR Problem can be worked around or problem poses high frustration factor.
- INFORMATIVE Documentation error, program usage tip, user inconveniences.

Date Problem Confirmed November 11, 2003

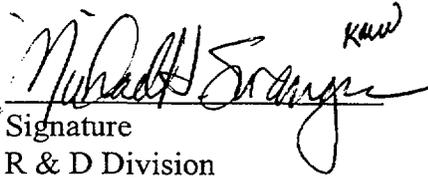
Date Notification Sent 11/14/03

Computers All

Operating System All

Version All

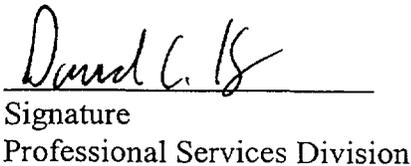
Target Release for Correction Version 27.0


Signature
R & D Division

Sr. RE
Title

Michael H. Swanger
Typed or Printed Name

11/12/03
Date of Signature


Signature
Professional Services Division

Configuration Control Manager
Title

David C. Key
Typed or Printed Name

11/14/03
Date of Signature

GTSTRUDL Program Report Form
(Continued)

GPRF No.: 2002.10

DATE: 11/14/03

DESCRIPTION:

Linear buckling analysis **may** abort when joint constraints are present in the model. If the abort does not occur, the linear buckling analysis results are correct. If the abort does occur, the only work-around is to replace the joint constraints with some other appropriate modeling strategy. For example, it may be possible to replace rigid bodies with an appropriate arrangement of extra-stiff members or finite elements.

GTSTRUDL User Reference Manual Sections:

Elastic Buckling

Section 2.8, Volume 3, Rev. R, GTSTRUDL
Reference Manual