October 21, 2004
9704-PFS-066


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
    Raytheor Engineers & Constructors

Error notices have been sent to our other former customers.


Please note that Mark Snyder has taken another position and the undersigned has
assumed the role of Nuclear Administrator for Boeing.

Very truly yours,

Pat Soroe
Nuclear Administrator
Mail Code 7A-XT

Enclosures: GT STRUDL Program Report Forms 2004.12 through 2004.13

# GTSTRUDL QA Customer Acknowledgment Form

        In order to comply with the GTSTRUDL Quality Assurance Program and Procedures for safety related applications, we ask that you complete, sign and return this form in the enclosed, stamped envelope within 10 days of this date, Septmeber 24, 2004, acknowledging that you have received the following materials:

    __X__    CASE Center Program Report Forms GPRF No. _2004.12_____

    _____    GTSTRUDL Version _____

    _____    Installation and Operation Guide for Version _____

    _____    Quality Assurance Program and Procedures Manual
                Revision _____ ____ Document Control Number_____

    _____    Release Guide, Version _____

    _____    User's Manual Update
                Volume _____    Revision _____

    _____    Verification input and output for Version _____

    _____    Verification Letter for Version _____

    _____    Verification Manual for Version _____

    _____    _____

Reply to:

                Configuration Control Manager
                CASE Center
                Georgia Institute of Technology
                Atlanta, Georgia 30332-0355

(Please sign)

_____
Receipt Acknowledgment, (Signature)

_Pat Soroe_____
Typed Name

_Contract Administrator_____
(Title)

**BOEING SHARED SERVICES GROUP** _M/S 7A—XT_
(Organization)

_P.O. Box 3707, Seattle, WA 98124_____
(Address)

_10/21/04_____    _patricia.j.soroe@boeing.com_
(Date)                        (E-Mail Address)

# GTSTRUDL Program Report Form

GPRF No.: _2004.12_

DATE: _9/21/04_

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.

X 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 _9/21/04_

Date Notification Sent _9/21/04_

Computers ___All___

Operating System ___All___

Version ___All versions prior to Version 28.0 (versions released prior to 2004)___

_[signature]_

Signature
R & D Division

Title _Director_

Kenneth M. Will
Typed or Printed Name

Date of Signature _9/21/04_

_[signature]_

Signature
Professional Services Division

Title _Configuration Control Manager_

David C. Key
Typed or Printed Name

Date of Signature _9/21/04_

Rev 2.5

# GTSTRUDL Program Report Form
## (Continued)

DESCRIPTION:

The Variable Member Properties and Variable Member Dimension commands will not function correctly if a Group (GRP) is used to specify the list of members with variable properties or dimensions in tabular format. An example which demonstrates this problem is shown below:

```
MEMBER PROPERTIES VARIABLE
 GRP 'BEAM1'
 SEG 1 AND 3 AX 2.5 IZ 5. L 1.25
 SEG 2 AX 2. IZ 3.
 GRP 'BEAM2
 CI-w-cmdnfnd, ERROR: Command 'GRP' is not recognized.
 SEG 1 AX 2.5 IZ 5. L 2.5
 SEG 2 AX 2.0 IZ 3.
```

In the above example, the second Group (GRP) command was not recognized as noted by the ERROR message.

Workaround:

Use the Group command in the header for the Variable Property or Variable Dimension command as illustrated below:

```
Member Group 'grp1' Properties Variable
Seg 1 AX 1. IZ 5.
Seg 2 AX 1. IZ 5. L 0.5
Member Group 'grp2' Properties Variable
Seg 1 AX 2. Iz 10. L 0.5
Seg 2 AX 3 IZ 5.
```

Applicable Sections of the Documentation:

Member Properties command with variable specs : Section 2.1.9.2.3 of Volume 1 of the GTSTRUDL Reference Manuals

Member Dimension command with variable specs: Section 2.5.2 of Volume 4 of the GTSTRUDL Reference Manuals

Group used in Lists: 2.1.2.2 of Volume 1 of the GTSTRUDL Reference Manuals

Rev 2.5

# GTSTRUDL QA Customer Acknowledgment Form

In order to comply with the GTSTRUDL Quality Assurance Program and Procedures for safety related applications, we ask that you complete, sign and return this form in the enclosed, stamped envelope within 10 days of this date, Septmeber 30, 2004, acknowledging that you have received the following materials:

    X    CASE Center Program Report Forms GPRF No. _2004.13_____

_____ GTSTRUDL Version _____

_____ Installation and Operation Guide for Version _____

_____ Quality Assurance Program and Procedures Manual
          Revision _____ Document Control Number_____

_____ Release Guide, Version _____

_____ User's Manual Update
          Volume _____ Revision _____

_____ Verification input and output for Version _____

_____ Verification Letter for Version _____

_____ Verification Manual for Version _____

_____ _____

Reply to:

                          Configuration Control Manager
                          CASE Center
                          Georgia Institute of Technology
                          Atlanta, Georgia 30332-0355

(Please sign)

_____
Receipt Acknowledgment, (Signature)

_____
Typed Name

_____
(Title)

__BOEING SHARED SERVICES GROUP_____
(Organization)

_____
(Address)

_____      _____
(Date)                        (E-Mail Address)

# GTSTRUDL Program Report Form

GPRF No.: ___2004.13___

DATE: _9/28/04_

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

SEVERITY LEVEL:

_X_ 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 ___September 22, 2004___

Date Notification Sent ___9/28/04___

Computers _All_

Operating System _All_

Version _All_

Target Release for Correction    Version 28.0

_Michael H. Swanger_ _hand_               _Sr. RE_
Signature                                 Title
R & D Division

_Michael H. Swanger_                      _9/22/04_
Typed or Printed Name                     Date of Signature

_David C. Ley_                            _Configuration Control Manager_
Signature                                 Title
Professional Services Division

_David C. Ley_                            _9/28/04_
Typed or Printed Name                     Date of Signature

Rev. 2.5

GPRF No.: 2004.13

DATE: 9/27/04

DESCRIPTION:

The LIST FATIGUE TRANSFER FUNCTIONS command, given without any of the directions, members, and position data options, following one or more COMPUTE FATIGUE commands, will abort. The work-around is to give the LIST FATIGUE TRANSFER FUNCTIONS command with at least appropriate position data.

Example of the LIST FATIGUE TRANSFER FUNCTIONS command that will cause the abort:

LIST FATIGUE TRANSFER FUNCTIONS

Example of the LIST FATIGUE TRANSFER FUNCTIONS command with position data:

LIST FATIGUE TRANSFER FUNCTIONS POSITION 1

GTSTRUDL Reference Manual Sections

COMPUTE FATIGUE Commands          Sections 5.5.3 and 5.6, Volume 8
LIST FATIGUE Command              Section 5.7.2, Volume 8