

The Boeing Company
P.O. Box 3707
Seattle, WA 98124-2207

May 31, 2006
9704-PFS-153

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

Subject: GT STRUDL Program Report Forms 2006.06 & 2006.09

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
Gilbert Associates, Inc.

Error notices have been sent to our other former customers.

Very truly yours,



Pat Soroe
Nuclear Administrator
206-300-2845
patricia.f.soroe@boeing.com

Enclosures: GT STRUDL Program Report Forms 2006.06 & 2006.09

IE20



GTSTRUDL Program Report Form

GPRF No.: 2006.06

DATE: 3/23/06

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 March 13, 2006

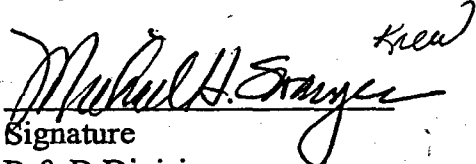
Date Notification Sent 3/23/06

Computers All

Operating System All

Version All Versions 9701 and later

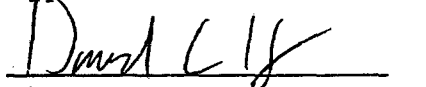
Target Release for Correction Version 29.0


Signature
R & D Division

Sr. RE
Title

Michael H. Swanger
Typed or Printed Name

3/23/06
Date of Signature


Signature
Professional Services Division

Configuration Control Manager
Title

David C. Key
Typed or Printed Name

3/23/06
Date of Signature

GTSTRUDL Program Report Form
(Continued)

GPRF No.: 2006.06

DATE: 3/23/06

DESCRIPTION:

The LIST REACTIONS command may produce incorrect results for support joints that are also master joints for the joint ties constraint. This problem does not pertain to the other types of joints constraints: rigid plane, rigid plate, and rigid pin. The LIST SUMMATION REACTIONS command may similarly produce incorrect results if these joint ties master-support joint conditions are present.

The only viable work-around is to modify the model so that master joints for joint ties are not also support joints.

GTSTRUDL Reference Manual Sections

Joint Constraints – Rigid Bodies and Joint Ties

Section 2.6.5, Volume 3,
GTStrudl Reference Manual

Static Analysis Computed Results Output -
LIST Command

Section 2.1.14.4, Volume 1,
GTStrudl Reference Manual

GTSTRUDL Program Report Form

GPRF No.: 2006
~~2005.09~~

DATE: 3/16/06

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 March 13, 2006

Date Notification Sent 3/16/06

Computers All

Operating System All

Version All Versions 9701 and later

Target Release for Correction Version 29.0

(KMU)
Michael H. Swanger
Signature
R & D Division

Sr. RE
Title

Michael H. Swanger
Typed or Printed Name

3/16/06
Date of Signature

David C. Key
Signature
Professional Services Division

Configuration Control Manager
Title

David C. Key
Typed or Printed Name

3/16/06
Date of Signature

GTSTRUDL Program Report Form
(Continued)

GPRF No.: 2005.09²⁰⁰⁶

DATE: 3/16/06

DESCRIPTION:

The LIST REACTIONS command may produce incorrect results for support joints that are also master joints for the joint ties constraint. This problem does not pertain to the other types of joints constraints: rigid plane, rigid plate, and rigid pin. The LIST SUMMATION REACTIONS command may similarly produce incorrect results if these joint ties master-support joint conditions are present.

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