

April 1, 1993  
G-1151-JMK-93-146

NRC Operations Center  
United States Nuclear Regulatory Commission  
Washington, D.C. 20555

- Reference: a) Boeing Letter G-1551-RSO-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

**BOEING**

Dear Sir or Madam:

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

Reactor Controls, Inc.  
Echo Energy Consultants, Inc.  
Nuclear Applications and Systems Analysis Company (Japan)  
Nuclear Power Services  
URS/John A. Blume & Associates

Error notices have been sent to our other former customers.

Very truly yours,

*Dianne E. May*  
p J. M. Keithley  
Nuclear Administrator  
G-1151 M/S 7F-06  
(206) 865-4438

Attachment(s): GTICES Program Error Reports 93.09 and 93.10

290057

PDR

9304300072 930401  
PDR ADOCK 05000160  
S PDR

*JEK 11*

GTISL (GTICES) PROGRAM REPORT FORM

GPRF No.: 9309

DATE: 3-23-93

FROM: GTICES SYSTEMS LABORATORY  
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 3-23-93

DATE NOTIFICATION SENT 3-25-93

COMPUTERS All

OPER. SYSTEM All

GTISL BASIC SYSTEM VERSION All

GTICES PRODUCT NAME GTSTRUDL

VERSION 93.01 and lower

TARGET RELEASE FOR CORRECTION 94.01

(GPRF - 12/87)

RIGIDITY MATRIX INPUT  
FOR  
IPSL, IPSQ, AND TRANS3D ELEMENTS

Incorrect results (displacements, stresses, reactions, frequencies,...etc) will result if a RIGIDITY MATRIX is used to specify the material properties for the IPSL, IPSQ, and TRANS3D elements.

Workaround:

Use the IPLS element instead of the IPSL.

Use the IPQS element instead of the IPSQ.

Applicable Sections in the Documentation:

RIGIDITY MATRIX input - Section 2.3.5.2, ELEMENT PROPERTIES  
Command

Table 2.3.1 - GTSTRU DL Finite Element Dictionary

GTISL (GTICES) PROGRAM REPORT FORM

GPRF No.: 93.10

DATE: 3-23-93

FROM: GTICES SYSTEMS LABORATORY  
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 3-23-93

DATE NOTIFICATION SENT 3-25-93

COMPUTERS All

OPER. SYSTEM All

GTISL BASIC SYSTEM VERSION All

GTICES PRODUCT NAME GTSTRUDL

VERSION All versions previous to 93.01

TARGET RELEASE FOR CORRECTION 93.01

(GPRF - 12/87)