

PPP-C-1752D  
AMENDMENT-2  
April 24, 1992  
SUPERSEDING  
INTERIM AMENDMENT-1  
April 1, 1991

## FEDERAL SPECIFICATION

### CUSHIONING MATERIAL, PACKAGING, POLYETHYLENE FOAM

This amendment, which forms a part of PPP-C-1752D, dated December 26, 1989, prepared by the General Services Administration, Office Supplies and Paper Products Commodity Center, New York, N.Y. 10278, has been approved for use by all Federal Agencies.

Page 2

1.2.3 Type classifications., delete the following:

" stress range 0.2 - 2.0 psi  
stress range 1 - 3 psi  
stress range 2 - 5 psi  
stress range 4 - 10 psi "

Page 2

2.1, Under Federal Standards; Add the following:

" FED-STD-313 Material Safety Data, Transportation Data and Disposal Data For Hazardous Materials Furnished To Government Activities."

Page 3

In the upper right corner, delete "PPP-B-1752D" and substitute "PPP-C-1752D".

Add the following:

"2.1.2 Other Government documents, drawings and publications. The following other Government documents, drawings and publications form a part of this document to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation.

### CODE OF FEDERAL REGULATIONS

29 CFR Labor

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FSC 8135

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(Application for copies should be addressed to the Superintendent of Documents, Government Printing Office, Washington DC 20402.)"

## Page 5

3.2.3 Type VII. first line, delete "Type VII cushioning material" and insert "Type VII packaging material".

## Page 6

3.6 Constant compression creep (Types I, III, IV, V)., delete the existing chart of Types and applicable Static loads and substitute the following chart:

" Type	Static load, (psi)
I	0.5 (Class 1 only)
I	2.0
III	3.0
IV	5.0
V	10.0 "

3.7 Thermal stability., second line, delete "2 percent" and substitute "5 percent".

## Page 7

Add the following:

"3.11.3 Use of Carcinogenic agents. The use of carcinogenic agents in a concentration of greater than 0.1 % in the manufacture/fabrication of Grades C and D, fire retardant packaging materials is prohibited. See 6.5 to determine which chemicals are carcinogens."

## Page 8

3.12 Dynamic cushioning properties (Types I, III, IV and V, Classes 1 and 2)., line 2, delete "Classes 1 and 2", and substitute "Class 2".

Add the following:

"3.11.3.1 Material Safety Data Sheets. The contracting activity shall be provided a Material Safety Data Sheet (MSDS) prior to contract award. The MSDS shall be prepared and submitted in accordance with FED-STD-313 and 29 CFR 1910.1200. In the event of a conflict the 29 CFR 1910.1200 shall take precedence. The MSDS

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shall be included with each shipment of the material covered by this specification."

Page 10

Under Table I, line 24, after "Fire retardancy", insert a footnote "1/".

Page 11

Under Footnote 1/, line 3, after 3.9, insert "3.11".

Under Footnote 1/, line 8, after 4.3.3.7, insert "4.3.3.9".

Page 12

4.3.3.3.1 Flexibility at 73.4<sup>0</sup>F (23<sup>0</sup>C)., second line, delete "4.5.3.4." and insert "4.3.3.3.".

4.3.3.3.2 Flexibility at -65<sup>0</sup>F (-54<sup>0</sup>C)., third line, delete "4.5.3.4." and insert "4.3.3.3.".

Page 13

4.3.3.12 Density., third line, delete "Suffix D" and insert "Suffix W".

Page 15

6.3 Order data., after (j), add the following:

" (k) Addresses for submission of MSDSs (for Grades C and D only) (see 6.6)."

6.4. Supersession data., under PPP-C-1752D, Compressive strength range, delete "Type III 13 - 25 psi" and substitute "Type III 13 - 20 psi", also delete "Type IV 26 - 50 psi" and substitute "Type IV 21 - 50 psi".

Page 15

Add the following:

"6.5. Carcinogen. A carcinogen is defined as chemical appearing on one or more of the following source documents: Occupational Safety and Health Administration regulated carcinogens list, National Toxicology Program list, International Agency for Research on Cancer lists 1, 2A or 2B."

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**"6.6. Material Safety Data Sheets.** Contracting officers will identify those activities requiring copies of completed MSDS prepared in accordance with FED-STD-313 and 29 CFR 1910.1200. The pertinent Government mailing addresses for submission of data sheets are listed in Appendix B of FED-STD-313."

**"6.7. Precautions in Handling.** Certain individuals may experience adverse reactions of a respiratory, dermatological, or other nature or be sensitive to ingredients used in the manufacture/fabrication of some fire retardant packaging materials. Problems or adverse effects resulting or suspected from handling these materials should be referred to the local Medical Department for appropriate follow-up. Safety concerns should be referred to the local Safety Office for review. Questions regarding specific packaging material may be referred to the Navy Environmental Health Center, Code 34B, Norfolk, VA. The following precautions during handling are recommended:

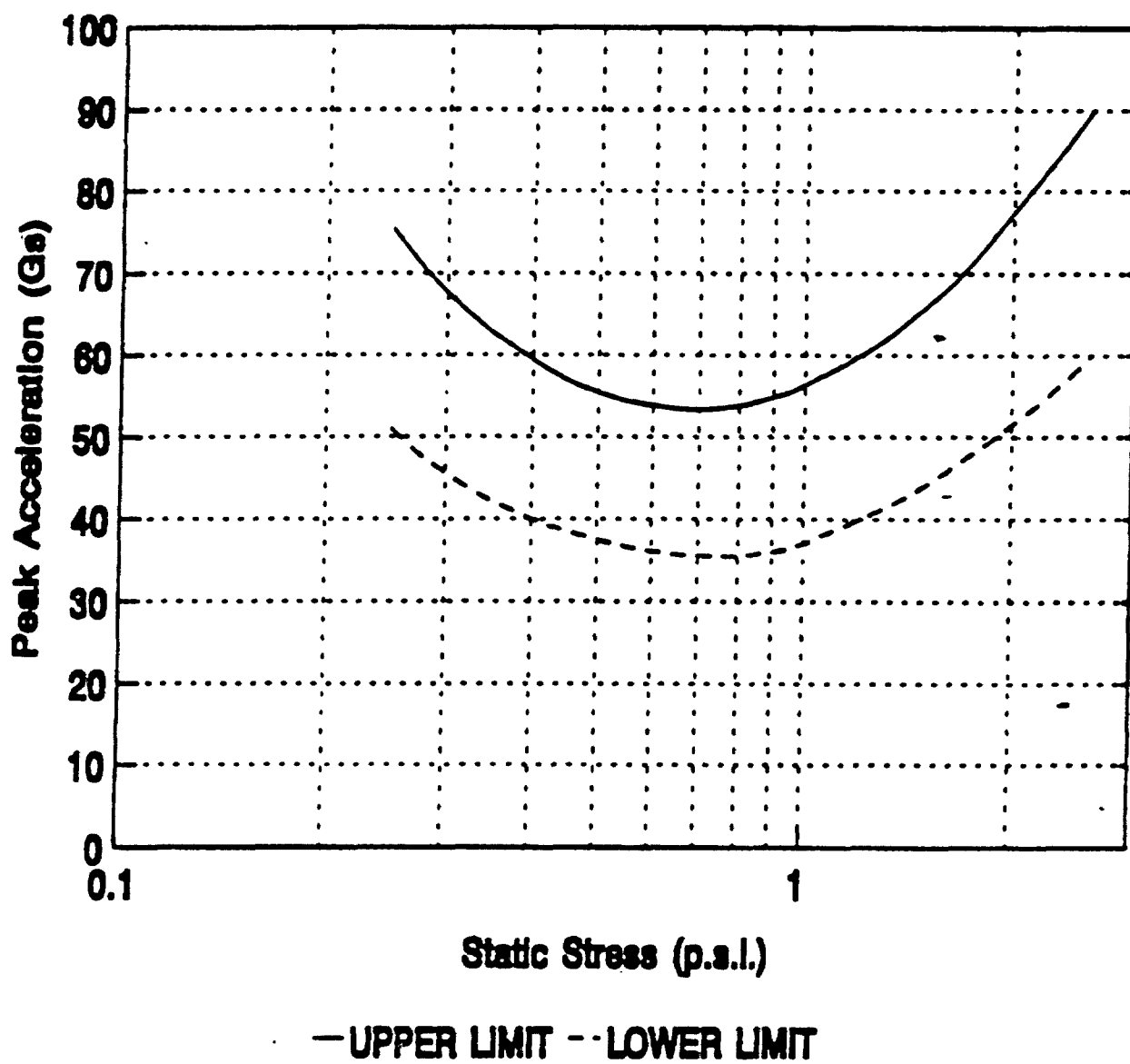
(1) Cotton gloves should be worn. Gloves should be changed at the end of the workshift, and laundered before reuse or discarded. Gloves should be changed more frequently if they fail to provide protection against skin contamination during the workday.

(2) Good general ventilation should be provided to ensure that significant airborne levels of dust from fire retardant packaging materials do not accumulate in work areas. Questions should be referred to the local Industrial Hygienist for review. If dust generation is unavoidable, a National Institute for Occupational Safety and Health/Mine Safety and Health Administration approved respirator, selected based on the exposure of concern, must be provided and used. Contact the local Industrial Hygienist for specific guidance pertaining to request for training and use of approved respirators."

Pages 16, 17, 18 and 19 delete the existing "DYNAMIC CUSHIONING CURVES" and substitute the following curves:

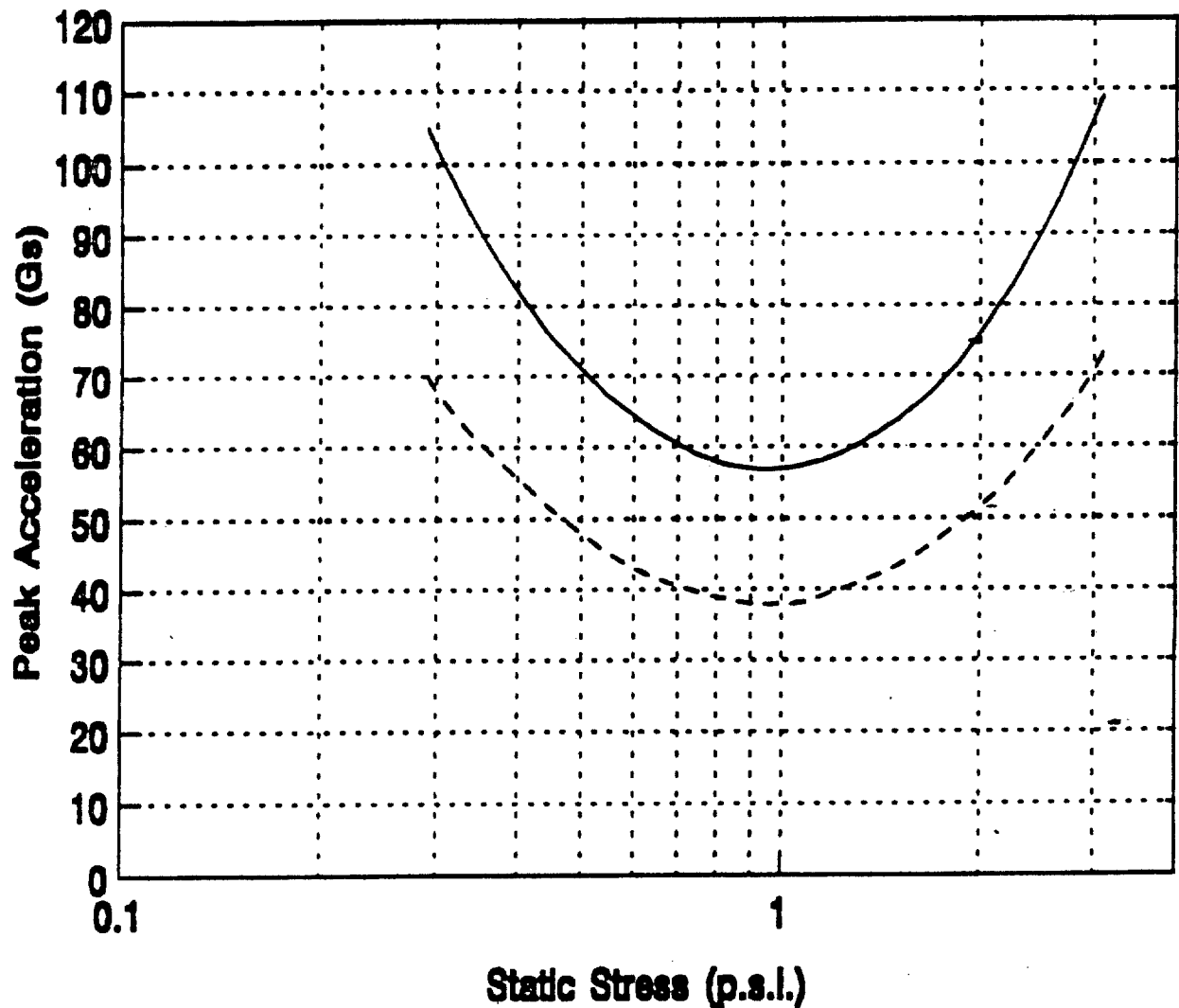
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**Figure 1. Type I, Class 2  
DYNAMIC CUSHIONING CURVES  
2-inch thick, 24-inch Drop, 2-5 Impacts**



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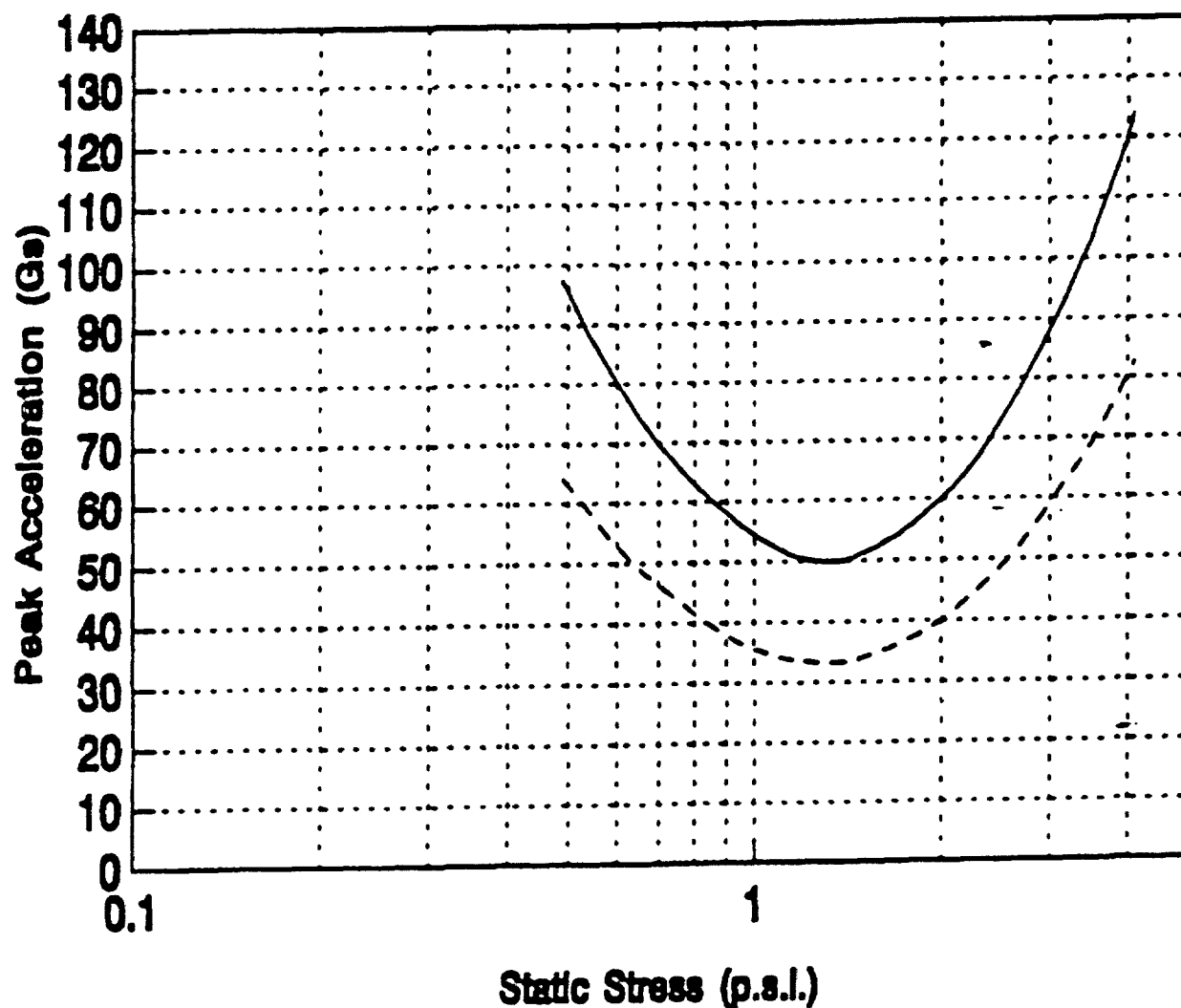
**Figure 2. Type III, Class 2  
DYNAMIC CUSHIONING CURVES  
2-Inch thick, 24-Inch Drop, 2-5 Impacts**



— UPPER LIMIT -- LOWER LIMIT

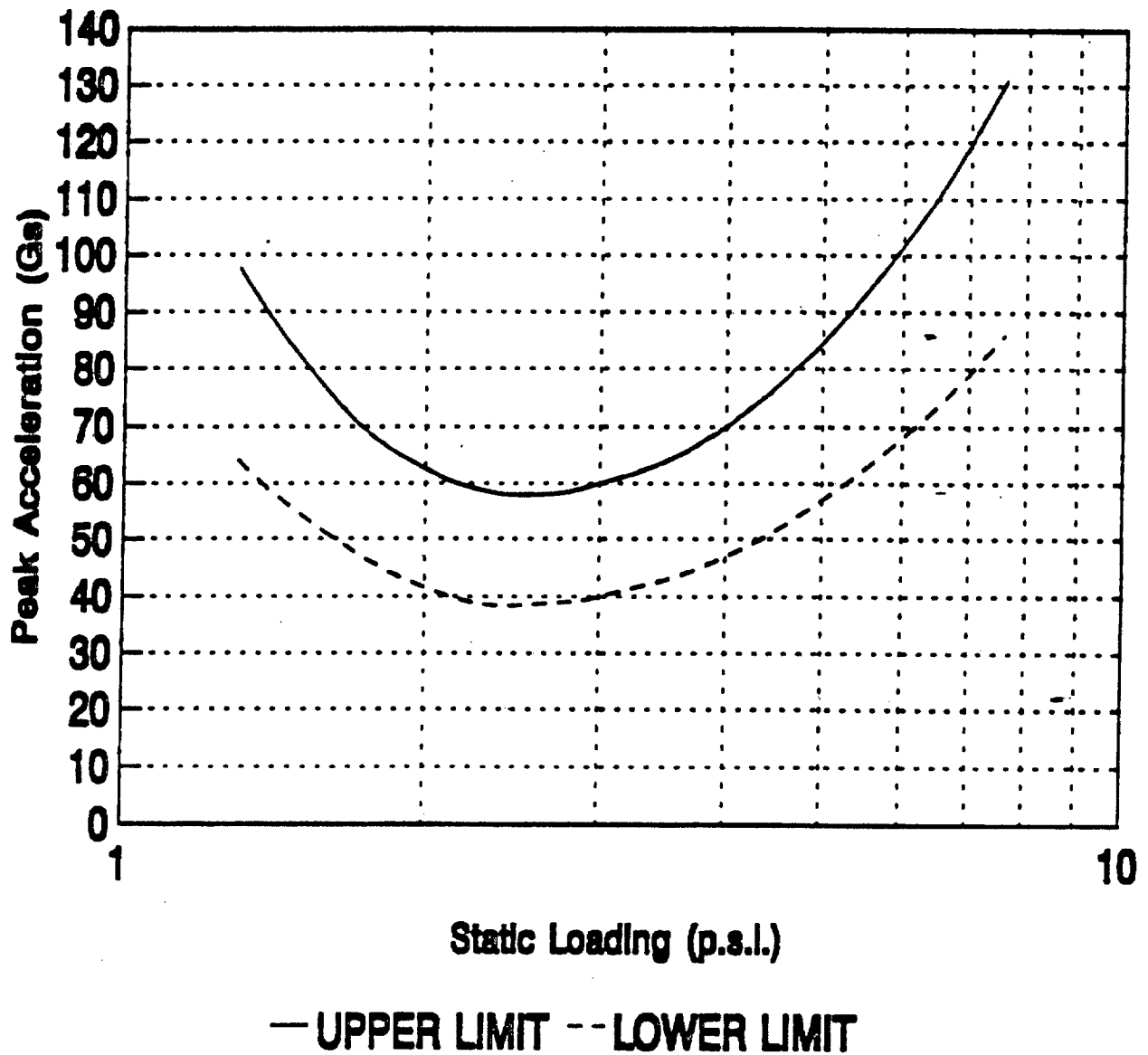
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**Figure 3. Type IV, Class 2  
DYNAMIC CUSHIONING CURVES  
2-Inch thick, 24-Inch Drop, 2-5 Impacts**



— UPPER LIMIT -- LOWER LIMIT

**Figure 4. Type V, Class 2  
DYNAMIC CUSHIONING CURVES  
2-Inch thick, 24-Inch Drop, 2-5 Impacts**





MILITARY INTERESTS

Military Coordinating Activity

Air Force - 69

Custodians

Army - GL

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DLA - ES

Review activities

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User activities

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PREPARING ACTIVITY

GSA - FSS