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Amendment  
11/10/85  
Received By: [Signature]

**Honeywell**

15 November 1984

RECEIVED BY LFMB  
Date 11/26/84  
Log. Nov 21/84  
By: C.A.P.  
Orig. To: [Blank]  
Action Compl. 1/11/85

11/19/84  
+ Dec-1540

U.S. Nuclear Regulatory Commission, Region III  
Materials Licensing Section  
799 Roosevelt Road  
Glen Ellyn, IL 60137

SUBJ: AMENDMENT -03 OF HONEYWELL DISTRIBUTION LICENSE 22-19422-02G --  
ALLOWS AIRLINE INSTALLATION OF DENSITOMETER EMITTERS AND OWNERSHIP  
OF SPARE EMITTERS

Gentlemen:

Enclosed in duplicate is Honeywell's application to amend the above referenced distribution license. The necessity for this amendment arises from the substantial inconvenience suffered by the airlines when the densitometer emitter in their fuel system must be changed-out. As the current license has been interpreted, an airline may install emitters in its airplanes, but must have a Honeywell technician fly to its location to remove the old emitter and bring a new emitter for installation. (See letter dated 29 March 1984, to The Boeing Company from J. Hickey of the IRC FCML:JH) This causes significant difficulties and delays when an airline must wait for the Honeywell technician to arrive with a new emitter. The airlines, therefore, are eager to gain permission from the NRC to stock spares and do the change-out themselves.

The subject license authorizes distribution of a sealed-source gamma densitometer to general licensees and installation by the Boeing Commercial Airplane Company as a general license. The densitometer is part of the Fuel Quantity Indicator System sold to Boeing by Honeywell for use on 757/767 aircraft. The densitometer is manufactured under license 22-19422-01.

The documents enclosed with this letter include:

- NRC Form 313 with Supplements to Items 5, 6, 8, 9, 10, and 11;
- Exhibit A containing the basis for the requested changes, an "index" to the changed pages, and the changed pages with the changes marked by an asterisk in the margin;
- The amendment fee in the amount of \$230.00 for Category 3J By-product License

Pursuant to your instruction, we submit only that portion of the license affected by the requested change. To update the NRC 313 form, some administrative (not technical) changes have been made.

The present application requests amendment of the license

CONTROL NO. 77823

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REG3 LIC30  
22-19422-02G PDR

COMMERCIAL AVIATION OPERATIONS

HONEYWELL INC., 1625 ZARTHAN AVE., SO., P.O., BOX 312, ST. LOUIS PARK, MINNESOTA

RECEIVED NOV 19 1984  
Check No. 1083619 \$230  
Amount - Fee Category 3J \* \$230  
Type of fee Amel  
Date Check Rec'd 11/26/84  
Received By: [Signature]

Condition 10

Replacement of the specific model number, WG1136AA01, by the general model number WG1136 wherever a model number appears in the license or its application or exhibits. This will allow us to make necessary hardware changes, that do not affect emitted radiation, while distinguishing the new configuration by using a different ending to the base model number.

Condition 12

See Exhibit A attached.

Condition 16

Permission for airlines to own spare emitters and install and remove emitters without direct supervision by Honeywell.

Each Boeing customer airline receives copies of the WG1136 Densitometer Emitter Assembly Handling Procedure Manual issued by Honeywell. This manual contains, in addition to installation procedures, all of the documents required under Condition 14 of Amendment -01, as well as a copy of NRC 3.

Airline personnel are experienced in fuel-tank entry, which is required for maintenance work on fuel probes and pumps. Therefore, emitter change-out would not be an unusual operation except for the precautions associated with handling of the emitter. The required precautions are covered in great detail in the Handling Procedure Manual, in addition to the precautions labels present as a requirement of Condition 17.

Honeywell accepts the responsibility for reporting to the NRC the general-to-general licensee emitter transfer (Boeing to its airline customers), as well as the specific-to-general transfers required under Condition 18.

Sale of spare units to airlines would be reported as a separate category in the quarterly transfer reports.

We also request that the NRC grant a state-agreement exemption on the topic of sales of spares to airlines based within Agreement States.

If further information is desired, please contact the under-signed, or:

Naomi M. Williamson, Contract Representative  
(612) 542-5406, or  
Dennis B. Rasmussen, Contracts Manager  
(612) 542-4775  
Honeywell Inc.  
Commercial Aviation Operations  
1625 Zarthan Avenue South  
MN15-2324, Box 312  
St. Louis Park, MN 55416

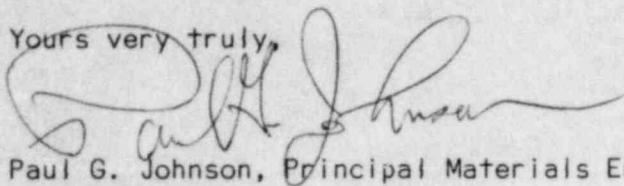
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U.S. Nuclear Regulatory Commission  
15 November 1984

Yours very truly,

A handwritten signature in cursive script, appearing to read "Paul G. Johnson". The signature is written in dark ink and is positioned above the typed name and address.

Paul G. Johnson, Principal Materials Engineer  
Honeywell Inc.  
Military Avionics Division MN17-3636  
Material & Process Engineering  
2600 Ridgway Parkway  
P.O. Box 312  
Minneapolis, MN 55440

Attachments (3)

CONTROL NO. 77823