


APPROVED					
	<p>Signature</p> <p style="font-size: 24pt; margin: 0;">Kalon E Scott</p> <p style="font-size: 10pt; margin: 0;">Digitally signed by Kalon E Scott DN: c=US, o=DST ACES Business Representative, ou=PM DDTC, cn=Kalon E Scott, 0.9.2342.19200300.100.1.1=A01096 A000001379F006343000021BA Date: 2013.05.14 12:44:34 -04'00'</p> <p style="text-align: center; font-size: 10pt; margin-top: 10px;">(For DTC Use Only)</p>	<p>Date Issued : 05/14/2013</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> <p>License No: 050450648</p> </td> <td style="width: 50%; padding: 5px;"> <p>License Valid For 48 Months From Above Date</p> </td> </tr> </table>		<p>License No: 050450648</p>	<p>License Valid For 48 Months From Above Date</p>
<p>License No: 050450648</p>	<p>License Valid For 48 Months From Above Date</p>				
<p>License is hereby granted to the applicant for the described commodity to be permanently exported from the United States. This license may be revoked, suspended or amended by the Secretary of State without prior notice whenever the Secretary deems such action advisable.</p>					
<p>UNITED STATES OF AMERICA DEPARTMENT OF STATE</p> <p>APPLICATION/LICENSE FOR PERMANENT EXPORT OF UNCLASSIFIED</p> <p>DEFENSE ARTICLES AND RELATED UNCLASSIFIED TECHNICAL DATA</p>					
1. Date Prepared	2. PM/DDTC Applicant/Registrant Code	3. Country of Ultimate Destination	4. Probable Port of Exit from U.S.		
04/24/2013	M14140	NETHERLANDS (THE)	Memphis, Tennessee		
<p>5. Applicant's Name, Address, ZIP Code, Telephone Number</p> <p>Applicant Type: Manufacturer Intersil Corporation</p> <p>Attention: Henry George Jr.</p> <p>1650 Robert J. Conlan Blvd NE Palm Bay, FL 32905 321-724-7103 ext.</p>					
<p>6. Name, agency and telephone of U.S. Government personnel (not PM/DDTC) familiar with the commodity.</p>					
<p>7. Name and telephone numbers of applicant contact if U.S. Government needs additional information.</p> <p>Henry George, Jr. 321-724-7103 ext.</p> <p>Kathy Bollinger 321-724-7604 ext.</p>					

8. Description of Transaction: A. This application represents ONLY completely new shipment
B. This Application has related license no(s) __was licensed to the country in Block 3 of the first page under license no(s) __was licensed to other countries under license no (s). __was returned without action under voided license no (s). __was denied to the country in Block 3 of the first page under voided license(s)
C. This Application is in reference to agreement no(s)
D. If the commodity is being financed under: <input checked="" type="checkbox"/> Not Applicable __Foreign Military Sale __Foreign Military Financing __Grant Aid Program
E. Defense Trade Controls Compliance This application is related to a disclosure filed with Defense Trade Controls Compliance <input checked="" type="checkbox"/> No __ Yes

Item #	9. Quantity	10. Commodity	11. USML Category Number	12. \$ Value
1	Quantity : 8 Unit Type : Pieces	ISL78841ASEHVF Radiation Hardened, High Performance Industry Standard Single-Ended Current Mode PWM Controller Defense Article Type : Hardware	XV(e) Is a DSP-83 attached? No	
			13. TOTAL VALUE(Sum of All Pages)	

14. Name and address of foreign end-user ESA- European Space Agency Keplerlaan 1 Postbus 299 2200 AG Noordwijk NL
15. Manufacturer of Commodity Intersil Corporation 1650 Robert J. Conlan Blvd NE Palm Bay, FL 32905 US
16. Name and address of foreign consignee Alter Technology TUV Nord S.A.U. C/Tomas Alba Edison 4, PCT Cartuja 93 41092 Sevilla SP
17. Source of Commodity Intersil Corporation 1650 Robert J. Conlan Blvd NE Palm Bay, FL 32905 US
18. Name and address of foreign intermediate consignee Alter Technology TUV Nord S.A.U. C/Tomas Alba Edison 4, PCT Cartuja 93 41092 Sevilla SP Purchaser IEAP/ET CAU Institut FurExperimentelle und Angewandte Physik; The Extra Terrestrial Physics group; Leibnizstrasse 19

24118 Kiel

GM

Integration into EPD. Christian Albrechts University

Kayser-Threde GmbH

Wolfratshauser Strasse 48

81379 Munchen

GM

Population PCBs

HIMAC

4-9-1 Anagawa, Inage Ward, Chiba

Chiba Prefecture

JA

Calibration facilities

Physikalisch Technische Bundesanstalt-PTB

Bundesallee 100

38116 Braunschweig

GM

Calibration facilities

IABG

Einsteinstrasse 20

85521 Ottobrunn

GM

Environmental and Magnetic Test

Ruag Space AB

Solhusgatan 11,

SE 412 76 Goteborg

SW

Environmental Tests

UPS

Parcela B-4 Poligono, San Nicolas

41500 Alcala de Guadaira, Sevilla

SP

Freight Forwarder

TNT

Avda. de Bruselas, 6 Alcobendas (Pol. Ind)

28108 Madrid

SP

Freight Forwarder

FEDEX

Centro de Carga Aerea Madrid

28042 Madrid

SP

Freight Forwarder

DHL

C/ Rumania 4, Coslada

Madrid;

SP

Freight Forwarder

TRANSNATUR

C/ Luxemburgo, 1 Centro de Transportes Coslada

Madrid

SP

Freight Forwarder

ZARM Fallturm-Betriebsgesellschaft MbH

c/o Universitat Bremem

28359 Bremen

GM

Environmental Tests

Iberespacio

Magallanes 3, 4a Planta

28015 Madrid

SP

Environmental Tests

IDR/UPM E.T.S.I. Aeronauticos

Pza. Cardenal Cisneros 3,

28040 Madrid

SP

Environmental Tests

Universidad de Alcala

Ctra. Madrid-Barcelona

28871 Alcala de Henares

SP

EPD Consortium PI Institution

INTA- Instituto Nacional de Tecnica Aeroespacial

Ctra. Ajalvir km. 4,

28850 Torrejon de Ardoz

SP

Suite level tests and integration

Astrium UK

Gunnels Wood Road, Stevenage

Hertfordshire SG1 2AS

UK

Integration on the Spacecraft

European Space Research and Technology Centre (ESTEC)

Keplerlaan 1

2200 AG Noordwijk

NL

Vacuum Tests

Ariane 5

CSG

Kourou

FG

Launch Site

Centre Spatial Guyanais

PO Box 726

97387 Kourou Cedex

FG

Launch Provider

19. Name and address of Seller in United States

Intersil Corporation

1650 Robert J. Conlan Blvd NE

Palm Bay, FL 32905

*** 20. Specific purpose for which the material is required, including specific Program/End Item.**☐ Off-Shore procurement☐ Brokering (22 CFR § 129)☐ Request for Prior Approval (22 CFR § 126.8)☒ Other

The Intersil Components will be integrated in Energetic Particle Detector (EPD) Flight Model. The Program Name is Solar Orbiter Launch site provided in block 18.

21. Name and address of consignor and/or freight forwarder in United States

Fed Ex Worldwide

3875 Airway Module #3 Dept 4634

Memphis, TN 38116

UPS Worldwide

1930 Bishop Lane Suite 206

Louisville, KY 40218

JSI Shipping Corporation

1535 Rollins Road

Burlingame, CA 94010

Priority One International, Orlando

3419 Trentwood Blvd

Orlando, FL 32812

DHL Express
1210 South Pine Island Road
Plantation, FL 33324
Atlas V401
KSC
Cape Canaveral, FL 32899
Kennedy Space Centre
SR 405 Kennedy Space Centre
Cape Canaveral, FL 32899

*** 22. Applicant's statement**

I, Henry George Jr., an empowered official (22 CFR § 120.25) or an official of a foreign government entity in the U.S., hereby apply for a license to complete the transaction above; warrant the truth of all statements made herein; and acknowledge, understand and will comply with the provisions of Title 22 CFR § 120-130, and any conditions and limitations imposed.

I am authorized by the applicant to certify the following in compliance with 22 CFR § 126.13:

(1) Neither the applicant, its chief executive officer, president, vice presidents, other senior officers or officials (e.g., comptroller, treasurer, general counsel) nor any member of its board of directors is:

(a) the subject of an indictment for or has been convicted of violating any of the U.S. criminal statutes enumerated in 22 CFR § 120.27 since the effective date of the Arms Export Control Act, Public Law 94-329, 90 Stat. 729 (June 30, 1976); or

(b) ineligible to contract with, or to receive a license or other approval to import defense articles or defense services from, or to receive an export license or other approval from any agency of the U.S. Government;

(2) To the best of the applicant's knowledge, no party to the export as defined in 22 CFR § 126.7 (e) has been convicted of violating any of the U.S. criminal statutes enumerated in 22 CFR § 120.27 since the effective date of the Arms Export Control Act, Public Law 94-329, 90 Stat. 729 (June 30, 1976); or is ineligible to contract with, or to receive a license or other approval to import defense articles or defense services from, or to receive an export license or other approval from any agency of the U.S. Government; and

22 CFR § 126.13 Certification (Select one):

- ☒ a. I am authorized by the applicant to certify that the applicant and all the parties to the transaction can meet in full the conditions of 22 CFR § 126.13 as listed above.
- ☐ b. I am authorized by the applicant to certify to 22 CFR § 126.13. The applicant or one of the parties of the transaction cannot meet one or more of the conditions of 22 CFR § 126.13 as listed above. A request for an exception to policy, as described in Section 127.11 of the ITAR, is attached.

- ☐ c. I am authorized by the applicant to certify to 22 CFR § 126.13. The applicant or one of the parties of the transaction cannot meet one or more of the conditions of 22 CFR § 126.13 as listed above. However that party has met the conditions imposed by the Directorate of Defense Trade Controls in order to resume standard submission of applications, not requiring an exception to policy as described in Section 127.11 of the ITAR.
- ☐ d. I am not authorized by the applicant to certify the conditions of 22 CFR § 126.13. The applicant and all the parties to the transaction can meet in full the conditions of 22 CFR § 126.13 as listed above. Please see the attached letter from an official that is authorized by the applicant to certify to the conditions of 22 CFR § 126.13.
- ☐ e. I am not authorized by the applicant to certify the conditions of 22 CFR § 126.13. The applicant or one of the parties of the transaction cannot meet one or more of the conditions of 22 CFR § 126.13 as listed above. A request for an exception to policy, as described in Section 127.11 of the ITAR, and a letter from an official that is authorized by the applicant to certify to the conditions of 22 CFR § 126.13 are attached.
- ☐ f. I am not authorized by the applicant to certify to 22 CFR § 126.13. The applicant or one of the parties of the transaction cannot meet one or more of the conditions of 22 CFR § 126.13 as listed above. However that party has met the conditions imposed by the Directorate of Defense Trade Controls in order to resume standard submission of applications, not requiring an exception to policy as described in Section 127.11 of the ITAR. Please see the attached letter from an official that is authorized by the applicant to certify to the conditions of 22 CFR § 126.13.

Compliance with 22 CFR § 130 (Select one)

- ☒ This transaction does not meet the requirements of 22 CFR § 130.2.
- ☐ This transaction meets the requirements of 22 CFR § 130.2. The applicant or its vendors have not paid, nor offered, nor agreed to pay, in respect of any sale for which a license or approval is requested, political contributions, fees or commissions in amounts as specified in 22 CFR § 130.9(a).
- ☐ The applicant or its vendors have paid, or offered, or agreed to pay, in respect of any sale for which a license or approval is requested, political contributions, fees or commissions in amounts as specified in 22 CFR § 130.9(a). Information required under 22 CFR § 130.10 is attached.
- ☐ I am not authorized by the applicant to certify the conditions of 22 CFR § 130.9(a). Please see the attached letter for such certification.

Signature :

23. License to be to: (Enter name, address and phone number)

Conditions of Issuance

1. This license is issued under the conditions cited in 22 CFR § 120 - 130, including the provisos as applicable, that:
 - A. It shall not be construed as implying U.S. Government approval or commitment to authorize future exports of any article (equipment or technical data) on the Munitions List, or a U.S. Government commitment with regard to any proposed manufacturing license or technical assistance agreements which may result from an authorized export.
 - B. If a license is issued for technical data only, it does not authorize the export of any hardware; if a license is

issued for hardware only, it does not authorize the export of any technical data, unless specifically covered by an exemption.

The issuance of this license does not release the licensee from complying with other requirements of U.S. law and regulations.

2. The prior written approval of the Department of State must be obtained before U.S. Munitions List articles exported from the U.S. under license or other approval may be resold, diverted, transferred, transshipped, reshipped, reexported to, or used in any country, or by any end-user, other than that described on the license or other approval as the country of ultimate destination or the ultimate end-user.

PROVISOS

There are none.

RETURN OF LICENSE

This license must be returned to PM/DDTC, SA-1, 12th Floor, Directorate of Defense Trade Controls, Bureau of Political-Military Affairs, U.S. Department of State, Washington, DC 20522-0112 when: (1) the total value authorized has been shipped; (2) the applicant states that there will be no further shipments; (3) the date of expiration is reached; or (4) when requested by the Directorate of Defense Trade Controls.

ENDORSEMENT

Indicate below which ITEM on the face of the license is BEING EXPORTED and maintain a CONTINUING BALANCE of the remaining value:

[illegible]

REMAINING BALANCE :