

**FCC ID: PP9P2000MOBITEX**

## Exhibit 1

- a) Application overview**
- b) Equipment**
- c) Authorization Letter /Agent Designated (Jay Sarkar)**
- d) Request for confidentiality**
- e) Authorization letter from Research In Motion allowing use of FCC approved radio modem (FCC ID: L6AR902M-2-0) in the Descartes Point of Sale Terminal, P2000**

August 16, 2001

Federal Communications Commission  
Equipment Approval Services  
7435 Oakland Mills Road  
Columbia, MD 21046

**Subject: FCC Part 90 Certification of DESCARTES CORP.'S Point of Sale Terminal,  
model P2000.**

Gentlemen,

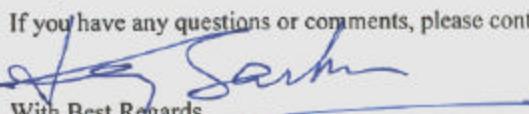
Enclosed herewith, please find an application for Part 90 Certification on behalf of Descartes Corp. on their Point of Sale Terminal incorporating a RIM 902M Radio Modem. This is a transceiver system for wireless data communications on the Mobitex wireless system. Frequency band is limited to 896 MHz to 902 MHz.

Based on the test data and in submitting this application, we are requesting for certification of the Point of Sale Terminal under Part 90.

**FCC ID:** PP9P2000MOBITEX  
**PRODUCT:** Point of Sale Terminal  
**MODEL:** P2000 with a RIM 902M Wireless Modem (FCC ID: L6AR902M-2-0)  
**EUT TYPE:** Licensed Non-Broadcast Station transmitter (TNB)  
**TX Frequency:** 896 – 902 MHz  
**MEASURED ERP:** 0.363 W

Enclosed please find Letter of Authorization, Request for Confidentiality, Reports on ERP, Field Strength of Spurious Radiation, Bandwidth/ Bandwidth Limitation, and Spurious Emissions for Antenna Terminal, Frequency Stability and SAR. Also please find FCC ID Label, photographs, block diagram, schematic, technical description, parts list and tune-up procedure, user manual and the letter for FCC Part 15 compliance and an attestation letter that the P2000 complies with Part 90.

If you have any questions or comments, please contact the undersigned.

  
With Best Regards,  
Jayanta K. Sarkar  
e-mail: [J.Sarkar@aprel.com](mailto:J.Sarkar@aprel.com)  
Technical Director, Standards and Certification

## **EXHIBIT 1b**

### **Equipment Identification**

**FCC ID: PP9P2000MOBITEX**

**MANUFACTURER: Descartes Corp.**

**PRODUCT: Point of Sale Terminal**

**MODEL: P2000**

**EUT TYPE: Licensed Non-Broadcast Station Transmitter (TNB)**

**TX Frequency: 896-902 MHz**

**MEASURED ERP: 0.363 W**

# Descartes®

Colonial Lake Drive, Lawrenceville, NJ 08648  
Tel: (800) 510-0120 Tel: 609) 530-9440 Fax: (609) 530-9445  
Email: [descart@concentric.net](mailto:descart@concentric.net) <http://www.descartesUSA.com>

## Localization of Warning Statement

05/30/2001

American Telecommunications Certification Body, Inc.  
6731 Whittier Avenue  
Suite C110  
McLean, VA 22101

To Whom It May Concern:

Please be advised that the Warning Statement is located in the User's Manual in the chapter entitled "General safety information"(page 2).

The message is:



### *Radio Frequency Exposure Warning*

**The P2000 Models CDPD, Mobitex, Datapac (Motient) and GSM use radio frequencies to execute the transactions.**

Warning to users: To meet FCC RF exposure requirements for mobile transmitter . Avoid operating these models with the antenna closer than 23cm form the operator, to minimize exposure to those radio frequencies.

Do not use your P2000 terminal with a damaged antenna. Replace a damaged antenna immediately with a manufacturer approved antenna.

Unauthorized antennas, modifications or attachments could damage the P2000 terminal and may contravene local RF emission regulations or void type approval.

Thank you for your attention to this matter.



Blandine PUERTO  
Quality Engineer



Colonial lake Drive, Lawrenceville, NJ 08648  
Tel: (800) 510-0120 Tel: (609) 530-9440 Fax: (609)530-9445  
Email: [descart@concentric.net](mailto:descart@concentric.net) [www.descartesusa.com](http://www.descartesusa.com)

---

Date: 08/08/2001

Federal Communications Commission  
Equipment Authorization Branch  
7435 Oakland Mills Road  
Columbia MD 21406

In regards to: Descartes Corp.  
FCC ID:PP9P2000Mobitex  
Description of Product as it is to be Marketed:  
Model: P2000 Mobitex  
Request for Confidentiality

Gentlemen:

In accordance with 0.459 of CFR 47, Descartes Corp., Inc. hereby requests confidentiality of the Block Diagram, Schematic Diagrams and Parts List for the attached test report.

These documents contain detailed system and equipment description and related information About the product which Descartes Corp. considers to be proprietary, confidential, and a custom design and, otherwise, would not release to the general public. Since this design is a basis from which future technological products will evolve, Descartes Corp. considers this information would be of benefit to its competitors, and that the disclosure of the information in these documents would give competitors an unfair advantage in the market.

Sincerely

David C. Lesage  
Executive Vice President

# Descartes

Colonial Lake Drive, Lawrenceville, NJ 08648  
Tel: (800) 510-0120 Tel: (609) 530-9440 Fax: (609) 530-9445  
Email: [descart@concentric.net](mailto:descart@concentric.net) <http://www.descartesUSA.com>

## Authorization Letter for Descartes

06/27/01

Federal Communications Commission  
Equipment Authorization Branch  
7435 Oakland Mills Road  
Columbia MD 21406

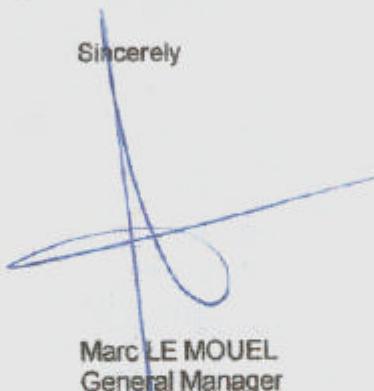
RE: FCC ID: PP9P2000MOBITEX FCC

To Whom It May Concern:

We the undersigned, hereby authorize Jay Sarkar of APREL Laboratories, to act on our behalf in all matters relating to equipment authorization, including the signing of all documents relating to these matters. Any and all acts carried out by APREL Laboratories on our behalf shall have the same effect as acts of our own.

We also certify that no party to this application is subject to denial of benefits, pursuant to Section 301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C.853(a).

Sincerely



Marc LE MOUEL  
General Manager



Research In Motion Limited  
295 Phillip Street  
Waterloo, Ontario  
Canada N2L 3W8  
+1 519 888 7465, fax +1 519 888 6906  
E-mail: [info@rim.net](mailto:info@rim.net)

July 26, 2001

Federal Communications Commission  
Equipment Authorization Division  
Application Processing Branch  
7435 Oakland Mills Rd.  
Columbia, Md. 21046

To whom it may concern,

Descarte, of Lawrenceville, New Jersey, is our customer in good standing and will be producing a Point of Sale (POS) product which incorporates the RIM 902M radio modem module (FCC ID L6AR902M-2-O).

Descarte will be submitting an application for certification of the final integrated product with a unique FCC ID using their own grantee code. Descarte will submit SAR and ERP data for the final integrated product. For information about the radio modem module please refer to RIM's submission FCC ID L6AR902M-2-O.

In the past, this method has allowed our customers to integrate the radio modem module without repeating FCC part 90 testing or accessing RIM proprietary confidential information. RIM does not disclose proprietary confidential information about our products. Our FCC submissions are considered proprietary confidential information.

Should you have any questions, please do not hesitate to contact our Senior Certification Engineer, Masud Attayi, at (519) 888-7465 x2442 or by email at [mattayi@rim.net](mailto:mattayi@rim.net).

Yours truly,

A handwritten signature in black ink, appearing to read 'Andy Clipsham'.

Andy Clipsham  
OEM Product Manager  
Research In Motion Limited  
+1-519-888-7465 x2482  
aclipsham@rim.net