



READ ME FIRST!!

IP-E2A

**E2A TELEMETRY INTERFACE
APPLICATION**

PRODUCT/RELEASE NOTES

FOR

DT-6XXX

EMBEDDED NETWORK PROCESSORS

BUILDS 2, 3, 4, 4.1, 4.2, & 5.1

(RELEASE VERSION 5.1)

ISSUE 2

379 Campus Drive, Suite 100
Somerset, NJ 08873
fax: 732.667.1091
phone: 732.667.1080
email: sales@datatekcorp.com
<http://www.datatekcorp.com>



TABLE OF CONTENTS

Important Safety Instructions	4
IMPORTANT !!.....	5
1 Introduction.....	6
2 Product Features	6
3 Release Changes.....	7
3.1 New for Build 2	7
3.1.1 New and Changed Commands	7
3.1.2 Command Output Changes.....	7
3.1.3 Other Changes.....	7
3.2 New for Build 3	7
3.2.1 New and Changed Commands	7
3.2.2 Command Output Changes.....	7
3.2.3 Other Changes.....	7
3.3 New for Build 4	7
3.3.1 New and Changed Commands	7
3.3.2 Command Output Changes.....	8
3.3.3 Other Changes.....	8
3.4 New for Build 4.1	8
3.4.1 New and Changed Commands	8
3.4.2 Command Output Changes.....	8
3.4.3 Other Changes.....	8
3.5 New for Build 4.2	8
3.5.1 New and Changed Commands	8
3.5.2 Command Output Changes.....	8
3.5.3 Other Changes.....	8
3.6 New for Build 5.1	8
3.6.1 New and Changed Commands	8
3.6.2 Command Output Changes.....	8
3.6.3 Other Changes.....	8
4 Installation Addendum.....	10
4.1 Constraints	10
4.2 Obtaining Information from Datatek.....	10
4.3 Registration	10
4.3.1 Special Considerations for Duplex Operation	13
5 Documentation	13
6 Appendix A – IP-E2A Instance Number to TCP Port Conversion Table....	14
7 Hardware Warranty.....	15
8 End-User License Agreement for Software.....	15
8.1 Software License.....	15
8.2 Intellectual Property Rights	15
8.3 Software Support.....	16



8.4 Export Restrictions16
8.5 Limited Warranty16
8.6 No Other Warranties.....16
8.7 Special Provisions.....17
9 Limitation of Liability 17



Important Safety Instructions



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product. When installing, operating, or maintaining this equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

- ❑ Read and understand all instructions.
- ❑ Follow all warnings and instructions marked on this product.
- ❑ For information on proper mounting instructions, consult the User's Manual provided with this product.
- ❑ The telecommunications interface should not leave the building premises unless connected to telecommunication devices providing primary and secondary protection.
- ❑ This product should only be operated from the type of power source indicated in the User's Manual.
- ❑ This unit must be powered from either –48 V DC or AC voltage sources. See User's Manual before connecting to the power source.
- ❑ The –48 V DC input terminals are only provided for installations in Restricted Access Areas locations.
- ❑ Do not use this product near water, for example, in a wet basement.
- ❑ Never touch non-insulated wiring or terminals carrying direct current or leave this wiring exposed. Protect and tape wiring and terminals to avoid risk of fire, electric shock, and injury to service personnel.
- ❑ To reduce the risk of electrical shock, do not disassemble this product. Only trained personnel should perform servicing. Opening or removing covers and/or circuit boards may expose you to dangerous voltages or other risks. Incorrect re-assembly can cause electric shock when the unit is subsequently used.
- ❑ For a unit intended to be powered from –48 V DC voltage sources, read and understand the following:
 - This equipment must be provided with a readily accessible disconnect device as part of the building installation.
 - Ensure that there is no exposed wire when the input power cables are connected to the unit.
 - Installation must include an independent frame ground drop to building ground. Refer to User's Manual



This symbol is marked on the DT-6XXX, adjacent to the ground (earth) area for the connection of the ground (earth) conductor.

- This Equipment is to be Installed Only in Restricted Access Areas on Business and Customer Premises Applications in Accordance with Articles 110-16, 110-17, and 110-18 of the National Electrical Code, ANSI/NFPA No. 70. Other Installations Exempt from the Enforcement of the National Electrical Code May Be Engineered According to the Accepted Practices of the Local Telecommunications Utility.
- ❑ For a unit used with an AC Wall Plug-In Unit, read and understand the following:
 - A DT-6061 unit was tested with the K'TRON, Model KA-52A Wall Plug-In Unit and a DT-6X60 with a Phi Hong Model PSA-30U-240 Wall Plug-In Unit (110-240 V AC to 24 V DC).
 - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
 - Do not staple or otherwise attach the power supply cord to the building surfaces.
 - Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.
 - The socket outlet shall be installed near the equipment and shall be readily accessible.
 - The Wall Plug-In unit may be equipped with a three-wire grounding type plug, a plug having a third (grounding) pin. This plug is intended to fit only into a grounding type power outlet. Do not defeat the safety purpose of the grounding type plug.
 - Do not allow anything to rest on the power cord. Do not locate this product where persons walking on it may abuse the cord.
 - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a) When the power supply cord or plug is damaged or frayed.
 - b) If liquid has been spilled into the product.
 - c) If the product has been exposed to rain or water.
 - d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions because improper adjustment of other controls may result in damage and will often require extensive work by qualified technician to restore the product to normal operation.
 - e) If the product has been dropped or the cabinet has been damaged.
 - f) If the product exhibits a distinct change in performance.

Save These Instructions



IMPORTANT !!

USER DOCUMENTATION IS AVAILABLE AT OUR WEBSITE.

Documentation:	http://www.datatekcorp.com
Sales:	sales@datatekcorp.com

SPECIAL INSTALLATION AND UPGRADE PROCEDURES

1. **New "Build Numbers"**: Build numbers, beginning with release 4.1, consist of two parts: a release number and version level. Technically, this release software is called software release 5.1. The first field is the base. The second field is the maintenance level of the software. Various commands require both fields, so when supplying build information to Datatek for key generation, etc., supply the complete two-part build number. Generally, text showing only the first part means that whatever is being discussed applies to any and all versions of that release (base).
2. **Platform Build Compatibility**: This build (5.1) must be installed on a DT-6061 running platform software build 16.0 or higher or on a DT-6160 or DT-6260 using any of their platform software builds. This build is compatible with the new DT-6160 and DT-6260 Embedded Network Processors as well as with the existing DT-6061 processor. **Please review the Release Notes for Build 16.X of the DT-6061 Platform Software or Build 1.X of the DT-6X60 Platform Software before attempting to install this version of the IP-E2A Application.** Both documents are available on the Datatek web site.
3. **Registration**: Starting with DT-6061 platform release 16.0 or DT-6X60 platform release 1.0, the platform software must be registered for each DT-6061/DT-6X60 on which it is installed. In addition, each application must be registered for each DT-6XXX on which it is installed. An application is registered only once per DT-6XXX regardless of the number of instances of that application running on a particular DT-6XXX. Note that any application will not run after the new platform software is installed unless both the platform and application are registered. Keys may be obtained in advance of the installation of software. Changing either the release level or the version level requires that a new key be obtained and the re-registration of the particular software entity. See section 4.3 for details.



1 INTRODUCTION

This document highlights the product features, modifications, known caveats and any special considerations for the IP-E2A Application. For detailed information on this product, reference the *IP-E2A E2A Telemetry Application User's Manual*, which can be downloaded from the Datatek web site.

2 PRODUCT FEATURES

The IP-E2A application replaces the legacy E2A module function in a Datakit network. It provides the digital bridge function, thus the high maintenance and difficult-to-fix modem networks used prevalently with E-telemetry can be eliminated. It can be used in an IP network to provide a gateway for E2 and E2A network elements to OS host applications. Refer to the **User's Manual** for several examples of how the IP-E2A application can be used.



3 RELEASE CHANGES

3.1 NEW FOR BUILD 2

3.1.1 NEW AND CHANGED COMMANDS

- None

3.1.2 COMMAND OUTPUT CHANGES

- None

3.1.3 OTHER CHANGES

- This software was rebuilt to be compatible with the new software structures of the DT-6061 platform builds 14 and 15. There were no fixes or features implemented.

3.2 NEW FOR BUILD 3

3.2.1 NEW AND CHANGED COMMANDS

- Passwords can now consist of both upper and lower case characters (**login**, **chgpas**). The mixed case passwords will work in both single line and multi-line logins.
- The **snoop** command was enhanced but no new syntax was added.
- A new command called **map** was added:

Syntax: map [addr | timeout | clear]

Using the **addr** parameter or the command with no arguments, this command will display the dynamic E2A address map in a 16X16 grid that covers all 256 possible addresses.

Using the **timeout** parameter, this command displays a 16X16 grid showing the number of message timeouts from the remote device since the last time the grid was cleared.

Using the parameter **clear** clears both the address map and the timeout map. The address map is then rebuilt after the application dynamically reacquires the E2A addresses.

3.2.2 COMMAND OUTPUT CHANGES

- Display connections (**dc**) would sometimes show an address of zero. This has been fixed.

3.2.3 OTHER CHANGES

- "Serial Hosts" are now supported. This allows connection to the NMA E2A serial ports via a DT-4xxx. Another use is bridge chaining for groups of more than 64 addresses.
- A display command problem has been fixed.

3.3 NEW FOR BUILD 4

3.3.1 NEW AND CHANGED COMMANDS

- None



3.3.2 COMMAND OUTPUT CHANGES

- ❑ The range of the word IDs in the output from the **snoop** command is now 1-16 instead of 0-15.

3.3.3 OTHER CHANGES

- ❑ Serial hosts are “mapped” such that messages are unicast.

3.4 NEW FOR BUILD 4.1

3.4.1 NEW AND CHANGED COMMANDS

- ❑ None

3.4.2 COMMAND OUTPUT CHANGES

- ❑ None

3.4.3 OTHER CHANGES

- ❑ This software was rebuilt to be compatible with the new software structures of the DT-6061 platform build 16 and the new DT-6160/6260 platform. Beginning with this build, the IP-E2A application software will run on any of the three platforms: DT-6061, DT-6160 and DT-6260.

3.5 NEW FOR BUILD 4.2

3.5.1 NEW AND CHANGED COMMANDS

- ❑ None

3.5.2 COMMAND OUTPUT CHANGES

- ❑ The message output when logging off now shows the correct application.

3.5.3 OTHER CHANGES

- ❑ Extremely large messages are now supported.
- ❑ This is the last release for devices that use VBA (variable bit asynchronous) protocol that is used for e-telemetry. For those devices requiring E2A protocol, use release 5.1 or higher. VBA and E2A are mutually exclusive. Contact Datatek if support for a variable bit protocol is required in the future.

3.6 NEW FOR BUILD 5.1

3.6.1 NEW AND CHANGED COMMANDS

- ❑ None

3.6.2 COMMAND OUTPUT CHANGES

- ❑ Snooper output was made more readable.

3.6.3 OTHER CHANGES

- ❑ The VBA protocol is no longer available. Instead, support of E2A (E-telemetry) is provided. Contact Datatek if support for a variable bit protocol is required in the future.
- ❑ Logic was added to use the TCP probe method for keep-alives. If there is no response to a TCP probe from the distant end after an initial time-out period of 200 seconds, additional



probes are sent up to 8 times at 12-second intervals. If there is still no response during the probing period, then the connection is dropped with a RST+ACK.

- ❑ Special decoding was added for the protocol extensions used by the AT&T GTP and NTP devices.
- ❑ Some TCP options allowing low latency were enabled to accommodate the needs of some types of network equipment.



4 INSTALLATION ADDENDUM

4.1 CONSTRAINTS

The DT-6061 platform software must be upgraded to platform build 16.0 or higher before installing build 4.1 or above of the IP-E2A Application. Please review the Release Notes for Build 16.0 or higher of the DT-6061 Platform software or the Release Notes for Build 1.0 or higher of the DT-6X60 Platform software for details.

4.2 OBTAINING INFORMATION FROM DATATEK

Load modules for all the Datatek migration products are obtained by sending email to either Bill Arndt at arndt@datatekcorp.com or Dan Conklin at conklin@datatekcorp.com. All other documentation, including release notes, user manuals, “white-papers”, etc. can be accessed on the Datatek website and downloaded for your use.

To insure that the correct version of the binary load module files have been retrieved and have not been corrupted during the transmission process, the UNIX® “**sum**” command can be used. After unzipping (if necessary) and transmitting the files to the target UNIX host server from the PC to which the load modules were initially sent from Datatek, on the UNIX host

key-in **sum** < name of downloaded file >.

The values returned must match the numbers shown below:

Key-in: **sum ip_e2a.dt6**

Response: **32124 160 ip_e2a.dt6**

4.3 REGISTRATION

(The discussion below pertains to any DT-6XXX platform and to any application running on one of these platforms. Examples below will concentrate on the DT-6061 but the concepts apply also to the new DT-6160 and DT-6260 platforms.)

Beginning with DT-6061 platform build 16.0, the software for any DT-6XXX platform requires a key for activation. In addition, any application running on a DT-6061 platform software build 16.0 and above requires a key for activation.

After installing the new platform software build 16.0 and rebooting, before the DT-6061 may return to service, the software must be registered. *The application(s) resident on this DT-6061 platform build must be registered also.* Once the reboot is executed, the application(s) will not run until the application registration process is completed. One cannot login into the application console until both the platform software and application software are registered.

One key is needed for the DT-6061 platform and one key for each different application resident on a DT-6061, regardless of the number of instances of that application on this particular DT-6061. Using the DT-6061 serial console, run the **register** command to register the DT-6061 platform (module) and **regapp** command to register the application(s). Changing either the release level or the version level requires that a new key be obtained and the re-registration of the particular software entity.

® UNIX is a registered trademark in the United States and other countries licensed exclusively through X/Open Company, Ltd.



Run the **register** command, which will produce the output similar to that shown below. Contact Datatek with the information in order to obtain the software key. Rerun the **register** command and enter the software key at the prompt or on the command line.

```
<rainbow: DT-6061> register ↵
Product_Code=DT-6061
MAC=0.96.28.2.55.219
HW_SERNUM=0.0.6.240.61.162
Build_Number=16.0
Build_Date="Mon Jan 19 23:10:14 EST 2004"
Enter key: ↵
No key entered
<rainbow: DT-6061>
```

The **vfy mod** command displays the state of the registration.

```
<rainbow: DT-6061> vfy mod ↵

Module is: Registered
  hostname: testbox
  ippublic: 192.167.8.250
    status: Active
  ipother: 192.167.8.13
    label: rainbow
  ipaddr: 192.167.8.20
  submask: 255.255.255.0
  gateway: 192.167.8.1
  mac addr: 0.96.28.2.55.219
  serial #: 0.0.6.239.61.162
  build #: 16.0
    rtu #: 10
  built on: Mon Jan 19 23:10:14 EST 2004
    booted: 3.08 days ago
<rainbow: DT-6061>
```

Similarly for the application(s), run the **regapp** command:

```
<rainbow: DT-6061> regapp ↵
Unregistrations:
  X25pad: Build 23.1 "Mon Mar 15 11:45:39 EDT 2004"
  MAC Address = 0.96.28.2.55.219
  Serial Number = 0.0.6.240.61.162
application registration key ? KEY= ↵
Usage: regapp [ <key> ]
```



<rainbow: DT-6061>

A typical output of the **vfy app** is displayed below:

<rainbow: DT-6061> **vfy app** ↓

Installed applications:

```
b2aprt: Build 7.0 "Wed Oct 23 14:22:11 EDT 2002"  
ip_bhi: Build 6.0 "Fri Oct 25 08:44:47 EDT 2002"; Not Registered  
ipspool: Build 11.0 "Mon Oct 6 14:27:15 EDT 2003"  
tn3270: Build 12.0 "Fri Oct 18 13:32:56 EDT 2002"  
x25pad: Build 23.1 "Mon Mar 15 17:12:38 EST 2004"
```

Running applications:

```
1 b2aprt (9190)  
2 none (9193)  
3 none (9197)  
4 none (9202)  
5 none (9210)  
6 none (9223)  
7 none (9236)  
8 none (9237)  
9 none (9238)  
10 x25pad (9461)  
11 x25pad (9523)  
12 x25pad (9524)  
13 x25pad (9525)  
14 x25pad (9526)  
15 x25pad (9343)  
16 x25pad (9344)  
17 x25pad (9345)  
18 x25pad (9346)  
19 x25pad (9347)  
20 none (12054) ip_bhi-unreg  
21 none (9456)  
22 none (9457)  
23 none (9458)  
24 none (9459)  
25 none (9460)  
26 none (9527)  
27 none (9528)  
28 none (9625)  
29 none (9626)  
30 x25pad (9627)
```

<rainbow: DT-6061>



If the DT-6XXX platform software is not registered, **vfy app** will show the application status as *rfs* (ready-for-service). **Vfy mod** will show “Module is: Not Registered”

The hardware information needed for the key generation process, which is the *MAC* address and *hardware serial number* of the DT-6XXX, can be obtained before the new platform is installed by running either the **rstpass** command or **vfy mod** command. The same *MAC* address and *serial number* are also used in generating an application key. Supply Datatek with this information and the software version (two-part build number) of the platform to which you are upgrading and the software version(s) (two-part build number(s)) of the application(s) that are resident or to be installed on the platform.

4.3.1 SPECIAL CONSIDERATIONS FOR DUPLEX OPERATION

Note that in a duplex operation, the platform and applications must be registered on the **standby** also. The keys are different because the **standby** has a different *MAC* address and hardware serial number than the **active**. So obtain the *MAC* address and hardware serial number on the standby for key generation by Datatek. **Switchover** will not work properly if the software on the **standby** is not registered.

5 DOCUMENTATION

The current version of the *IP-E2A E2A Telemetry Application User's Manual* is Build 4, which is dated 6/19/03. There were no documentation changes for builds 4.1, 4.2 or 5.1. This manual is applicable to the DT-6160 and DT-6260 platforms as well as the DT-6061 platform. Both the release notes and the user's manual are available on the Datatek web site at URL:

http://www.datatekcorp.com/support/support_soft_firm_updates.html



6 APPENDIX A – IP-E2A INSTANCE NUMBER TO TCP PORT CONVERSION TABLE

DT-6XXX Instance	OS Host TCP Port Number	Etails TCP Port Number	Serial Host TCP Port Number
1	30,000	30,001	30,002
2	30,200	30,201	30,202
3	30,400	30,401	30,402
4	30,600	30,601	30,602
5	30,800	30,801	30,802
6	31,000	31,001	31,002
7	31,200	31,201	31,202
8	31,400	31,401	31,402
9	31,600	31,601	31,602
10	31,800	31,801	31,802
11	32,000	32,001	32,002
12	32,200	32,201	32,202
13	32,400	32,401	32,402
14	32,600	32,601	32,602
15	32,800	32,801	32,802
16	33,000	33,001	33,002
17	33,200	33,201	33,202
18	33,400	33,401	33,402
19	33,600	33,601	33,602
20	33,800	33,801	33,802
21	34,000	34,001	34,002
22	34,200	34,201	34,202
23	34,400	34,401	34,402
24	34,600	34,601	34,602
25	34,800	34,801	34,802

DT-6XXX Instance	OS Host TCP Port Number	Etails TCP Port Number	Serial Host TCP Port Number
26	35,000	35,001	35,002
27	35,200	35,201	35,202
28	35,400	35,401	35,402
29	35,600	35,601	35,602
30	35,800	35,801	35,802
31	36,000	36,001	36,002
32	36,200	36,201	36,202
33	36,400	36,401	36,402
34	36,600	36,601	36,602
35	36,800	36,801	36,802
36	37,000	37,001	37,002
37	37,200	37,201	37,202
38	37,400	37,401	37,402
39	37,600	37,601	37,602
40	37,800	37,801	37,802
41	38,000	38,001	38,002
42	38,200	38,201	38,202
43	38,400	38,401	38,402
44	38,600	38,601	38,602
45	38,800	38,801	38,802
46	39,000	39,001	39,002
47	39,200	39,201	39,202
48	39,400	39,401	39,402

*Note instances 31 through 48 are valid only when using a DT-6260.



7 HARDWARE WARRANTY

The warranty period for the DT-6XXX hardware on which this application runs shall be ninety (90) days from the date of shipment from Datatek Applications, Inc. Replacements and repairs are guaranteed for the longer of the remaining original warranty period or thirty (30) days whichever is longer.

8 END-USER LICENSE AGREEMENT FOR SOFTWARE

This License Agreement ("License") is a legal contract between you and the manufacturer ("Manufacturer") of the system ("HARDWARE") with which you acquired software product(s) identified above ("SOFTWARE"). The SOFTWARE may include printed materials that accompany the SOFTWARE. Any software provided along with the SOFTWARE that is associated with a separate end-user license agreement is licensed to you under the terms of that license agreement. By installing, copying, downloading, accessing or otherwise using the SOFTWARE, you agree to be bound by the terms of this LICENSE. If you do not agree to the terms of this LICENSE, Manufacturer is unwilling to license the SOFTWARE to you. In such event, you may not use or copy the SOFTWARE, and you should promptly contact Manufacturer for instructions on return of the unused product(s) for a refund.

8.1 SOFTWARE LICENSE

You may only install and use one copy of the SOFTWARE on the HARDWARE (unless otherwise licensed by Manufacturer). The SOFTWARE may not be installed, accessed, displayed, run, shared or used concurrently on or from different computers, including a workstation, terminal or other digital electronic device ("Devices"). Notwithstanding the foregoing and except as otherwise provided below, any number of Devices may access or otherwise utilize the services of the SOFTWARE. You may not reverse engineer, decompile, or disassemble the SOFTWARE, except and only to the extent that such activity is expressly permitted by applicable law notwithstanding this limitation. The SOFTWARE is licensed as a single product. Its component parts may not be separated for use on more than one HARDWARE. The SOFTWARE is licensed with the HARDWARE as a single integrated product. The SOFTWARE may only be used with the HARDWARE as set forth in this LICENSE. You may not rent, lease or lend the SOFTWARE in any manner. You may permanently transfer all of your rights under this LICENSE only as part of a permanent sale or transfer of the HARDWARE, provided you retain no copies, you transfer all of the SOFTWARE (including all component parts, the media and printed materials, any upgrades, this LICENSE and, if applicable, the Certificate(s) of Authenticity), and the recipient agrees to the terms of this LICENSE. If the SOFTWARE is an upgrade, any transfer must also include all prior versions of the SOFTWARE. Without prejudice to any other rights, Manufacturer may terminate this LICENSE if you fail to comply with the terms and conditions of this LICENSE. In such event, you must destroy all copies of the SOFTWARE and all of its component parts.

8.2 INTELLECTUAL PROPERTY RIGHTS

The SOFTWARE is licensed, not sold to you. The SOFTWARE is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. You may not copy the printed materials accompanying the SOFTWARE. All title and intellectual property rights in and to the content which may be accessed through use of the SOFTWARE is the property of the respective content owner and may be protected by applicable copyright or other intellectual property laws and treaties. This LICENSE grants you no rights to use such content. All rights not expressly granted under this LICENSE are reserved Manufacturer and its licensors (if any).



8.3 SOFTWARE SUPPORT

SOFTWARE support is not provided by Manufacturer, or its affiliates or subsidiaries separate from the HARDWARE. For SOFTWARE support, please contact your supplier of the HARDWARE. SOFTWARE support is limited to the warranty period stated below unless either a separate contract has been consummated between you and the manufacturer or the manufacturer has agreed in writing at the time of purchase by you of the software to an extension of the warranty. Should you have any questions concerning this LICENSE, or if you desire to contact Manufacturer for any other reason, please refer to the address provided in the documentation for the HARDWARE.

8.4 EXPORT RESTRICTIONS

You agree that you will not export or re-export the SOFTWARE to any country, person, or entity subject to U.S. export restrictions. You specifically agree not to export or re-export the SOFTWARE: (i) to any country to which the U.S. has embargoed or restricted the export of goods or services, which as of March 1998 include, but are not necessarily limited to Cuba, Iran, Iraq, Libya, North Korea, Sudan and Syria, or to any national of any such country, wherever located, who intends to transmit or transport the products back to such country; (ii) to any person or entity who you know or have reason to know will utilize the SOFTWARE or portion thereof in the design, development or production of nuclear, chemical or biological weapons; or (iii) to any person or entity who has been prohibited from participating in U.S. export transactions by any federal agency of the U.S. government.

8.5 LIMITED WARRANTY

Manufacturer warrants that (a) the SOFTWARE will perform substantially in accordance with the accompanying written materials for a period of ninety (90) days from the date of shipment from Datatek Applications, Inc. Software support is limited to the hours of 9 AM to 5 PM ET Monday through Friday excluding Datatek-observed holidays. Other coverage and extended warranty may be purchased at additional cost. Any implied warranties on the SOFTWARE are limited to ninety (90) days. Some states/jurisdictions do not allow limitations on duration of an implied warranty, so the above limitation may not apply to you.

Manufacturer's and its suppliers' entire liability and your exclusive remedy shall be, at Manufacturer's option, either (a) return of the price paid, or (b) repair or replacement of the SOFTWARE that does not meet this Limited Warranty and which is returned to Manufacturer with a copy of your receipt. This Limited Warranty is void if failure of the SOFTWARE has resulted from accident, abuse, or misapplication. Any replacement SOFTWARE will be warranted for the remainder of the original warranty period or thirty (30) days, whichever is longer.

8.6 NO OTHER WARRANTIES

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, MANUFACTURER AND ITS SUPPLIERS DISCLAIM ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT, WITH REGARD TO THE SOFTWARE AND THE ACCOMPANYING WRITTEN MATERIALS. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY HAVE OTHERS, WHICH VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION.



8.7 SPECIAL PROVISIONS

The SOFTWARE and documentation are provided with RESTRICTED RIGHTS. Use, duplication, or disclosure by the United States Government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and HARDWARE Software clause at DFARS 252.227-7013 or subparagraphs (c)(1) and (2) of the Commercial HARDWARE Software-Restricted Rights at 48 CFR 52.227-19, as applicable. Manufacturer is Datatek Applications, Inc., 379 Campus Drive, Suite 100, Somerset, NJ 08873.

If you acquired the SOFTWARE in the United States of America, this Software License is governed by the laws of the State of New Jersey, excluding its choice of laws provisions. If you acquired the SOFTWARE outside the United States of America, local law may apply. This LICENSE constitutes the entire understanding and agreement between you and the Manufacturer in relation to the SOFTWARE and supercedes any and all prior or other communications, statements, documents, agreements or other information between the parties with respect to the subject matter hereof.

9 LIMITATION OF LIABILITY

To the maximum extent permitted by applicable law, in no event shall Manufacturer or its suppliers be liable for any damages whatsoever (including without limitation, special, incidental, consequential, or indirect damages for personal injury, loss of business profits, business interruption, loss of business information, or any other pecuniary loss) arising out of the use of or inability to use this product, even if Manufacturer has been advised of the possibility of such damages. In any case, Manufacturer's and its suppliers' entire liability under any provision of this License shall be limited to the amount actually paid by you for the SOFTWARE and/or the HARDWARE. Because some states/jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damages, the above limitation may not apply to you.

©Copyright 2001, 2006 Datatek Applications, Inc.
All Rights Reserved
Printed in USA

