



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
ABC174

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
 BUYER 32
 304-558-0492

RFQ COPY

TYPE NAME/ADDRESS HERE

SHIP TO

ALCOHOL BEVERAGE CONTROL
 COMMISSION
 322 70TH STREET, S.E.
 CHARLESTON, WV
 25304-2900 558-2487

DATE PRINTED 06/29/2006	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
BID OPENING DATE: 07/13/2006		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		920-74		
<p>TEACHING AND TRAINING MATERIALS, COMPUTER SCIENCE</p> <p>REQUEST FOR QUOTATION</p> <p>THE WEST VIRGINIA PURCHASING DIVISION ON BEHALF OF THE AGENCY, THE WEST VIRGINIA ALCOHOL BEVERAGE CONTROL ADMINISTRATION, IS SOLICITING BIDS FOR AN OPEN END CONTRACT TO PROVIDE HAND HELD COMPUTERS WITH SCANNING CAPABILITIES FOR AGENCY INSPECTORS. SCOPE INCLUDES ACQUISITION OF ALL EQUIPMENT, DEVELOPMENT OF ALL DATABASES, CODE MODULES, AND DOCUMENTATION NECESSARY TO DEPLOY THE G2 SYSTEM. SCANGUARD G2 OR EQUAL.</p> <p>VENDORS MUST INCLUDE IN THEIR BID FOB DESTINATION PRICING FOR ALL EQUIPMENT TO THE WEST VIRGINIA ALCOHOL BEVERAGE CONTROL ADMINISTRATION'S OFFICE IN CHARLESTON, WEST VIRGINIA.</p> <p>HARDWARE MAINTENANCE SHALL BE ESTABLISHED BY CHANGE ORDER UPON DELIVERY AND ACCEPTANCE OF MATERIALS BY THE AGENCY FOR EACH RELEASE.</p> <p>TECHNICAL SOFTWARE DEVELOPMENT MAINTENANCE SHALL BE ESTABLISHED BY SEPARATE CHANGE ORDER UPON INSTALLATION AND ACCEPTANCE OF THE SOFTWARE BY THE AGENCY.</p> <p>SPECIFICATIONS ATTACHED</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

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TITLE	FERN	ADDRESS CHANGES TO BE NOTED ABOVE

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**GENERAL TERMS & CONDITIONS
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125.00 registration fee.
5. All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the term of the Purchase Order/Contract, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this contract is automatically null and void, and is terminated without further order.
14. **HIPAA Business Associate Addendum -** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Covered Entity (45 CFR §160.103) and will be disclosing Protected Health information (45 CFR §160.103) to the vendor.

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in cases of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications.

SIGNED BID TO:

Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 60130
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EXHIBIT 3						
<p>LIFE OF CONTRACT: THIS CONTRACT BECOMES EFFECTIVE ON UPON AWARD AND EXTENDS FOR A PERIOD OF ONE (1) YEAR OR UNTIL SUCH "REASONABLE TIME" THEREAFTER AS IS NECESSARY TO OBTAIN A NEW CONTRACT OR RENEW THE ORIGINAL CONTRACT. THE "REASONABLE TIME" PERIOD SHALL NOT EXCEED TWELVE (12) MONTHS. DURING THIS "REASONABLE TIME" THE VENDOR MAY TERMINATE THIS CONTRACT FOR ANY REASON UPON GIVING THE DIRECTOR OF PURCHASING 30 DAYS WRITTEN NOTICE.</p> <p>UNLESS SPECIFIC PROVISIONS ARE STIPULATED ELSEWHERE IN THIS CONTRACT DOCUMENT, THE TERMS, CONDITIONS AND PRICING SET HEREIN ARE FIRM FOR THE LIFE OF THE CONTRACT.</p> <p>RENEWAL: THIS CONTRACT MAY BE RENEWED UPON THE MUTUAL WRITTEN CONSENT OF THE SPENDING UNIT AND VENDOR, SUBMITTED TO THE DIRECTOR OF PURCHASING THIRTY (30) DAYS PRIOR TO THE EXPIRATION DATE. SUCH RENEWAL SHALL BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE ORIGINAL CONTRACT AND SHALL BE LIMITED TO TWO (2) ONE (1) YEAR PERIODS.</p> <p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p> <p>OPEN MARKET CLAUSE: THE DIRECTOR OF PURCHASING MAY AUTHORIZE A SPENDING UNIT TO PURCHASE ON THE OPEN MARKET, WITHOUT THE FILING OF A REQUISITION OR COST ESTIMATE, ITEMS SPECIFIED ON THIS CONTRACT FOR</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

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<p>IMMEDIATE DELIVERY IN EMERGENCIES DUE TO UNFORESEEN CAUSES (INCLUDING BUT NOT LIMITED TO DELAYS IN TRANSPORTATION OR AN UNANTICIPATED INCREASE IN THE VOLUME OF WORK.)</p> <p>QUANTITIES: QUANTITIES LISTED IN THE REQUISITION ARE APPROXIMATIONS ONLY, BASED ON ESTIMATES SUPPLIED BY THE STATE SPENDING UNIT. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACT SHALL COVER THE QUANTITIES ACTUALLY ORDERED FOR DELIVERY DURING THE TERM OF THE CONTRACT, WHETHER MORE OR LESS THAN THE QUANTITIES SHOWN.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER.</p> <p>THE TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM.</p> <p>REV. 04/11/2001</p> <p>VENDOR PREFERENCE CERTIFICATE</p> <p>CERTIFICATION AND APPLICATION* IS HEREBY MADE FOR PREFERENCE IN ACCORDANCE WITH WEST VIRGINIA CODE, 5A-3-37 (DOES NOT APPLY TO CONSTRUCTION CONTRACTS).</p> <p>A. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p>						

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<p>() BIDDER IS AN INDIVIDUAL RESIDENT VENDOR AND HAS RESIDED CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR</p> <p>() BIDDER IS A PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR AND HAS MAINTAINED ITS HEAD-QUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR 80% OF THE OWNERSHIP INTEREST OF BIDDER IS HELD BY ANOTHER INDIVIDUAL, PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR WHO HAS MAINTAINED ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR</p> <p>() BIDDER IS A CORPORATION NONRESIDENT VENDOR WHICH HAS AN AFFILIATE OR SUBSIDIARY WHICH EMPLOYS A MINIMUM OF ONE HUNDRED STATE RESIDENTS AND WHICH HAS MAINTAINED ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS WITHIN WEST VIRGINIA CONTINUOUSLY FOR THE FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION.</p> <p>B. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p> <p>() BIDDER IS A RESIDENT VENDOR WHO CERTIFIES THAT, DURING THE LIFE OF THE CONTRACT, ON AVERAGE AT LEAST 75% OF THE EMPLOYEES WORKING ON THE PROJECT BEING BID ARE RESIDENTS OF WEST VIRGINIA WHO HAVE RESIDED IN THE STATE CONTINUOUSLY FOR THE TWO YEARS IMMEDIATELY PRECEDING SUBMISSION OF THIS BID; OR () BIDDER IS A NONRESIDENT VENDOR EMPLOYING A</p>						

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<p>MINIMUM OF ONE HUNDRED STATE RESIDENTS OR IS A NONRESIDENT VENDOR WITH AN AFFILIATE OR SUBSIDIARY WHICH MAINTAINS ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS WITHIN WEST VIRGINIA EMPLOYING A MINIMUM OF ONE HUNDRED STATE RESIDENTS WHO CERTIFIES THAT, DURING THE LIFE OF THE CONTRACT, ON AVERAGE AT LEAST 75% OF THE EMPLOYEES OR BIDDERS' AFFILIATE'S OR SUBSIDIARY'S EMPLOYEES ARE RESIDENTS OF WEST VIRGINIA WHO HAVE RESIDED IN THE STATE CONTINUOUSLY FOR THE TWO YEARS IMMEDIATELY PRECEDING SUBMISSION OF THIS BID.</p> <p>BIDDER UNDERSTANDS IF THE SECRETARY OF TAX & REVENUE DETERMINES THAT A BIDDER RECEIVING PREFERENCE HAS FAILED TO CONTINUE TO MEET THE REQUIREMENTS FOR SUCH PREFERENCE, THE SECRETARY MAY ORDER THE DIRECTOR OF PURCHASING TO: (A) RESCIND THE CONTRACT OR PURCHASE ORDER ISSUED; OR (B) ASSESS A PENALTY AGAINST SUCH BIDDER IN AN AMOUNT NOT TO EXCEED 5% OF THE BID AMOUNT AND THAT SUCH PENALTY WILL BE PAID TO THE CONTRACTING AGENCY OR DEDUCTED FROM ANY UNPAID BALANCE ON THE CONTRACT OR PURCHASE ORDER.</p> <p>BY SUBMISSION OF THIS CERTIFICATE, BIDDER AGREES TO DISCLOSE ANY REASONABLY REQUESTED INFORMATION TO THE PURCHASING DIVISION AND AUTHORIZES THE DEPARTMENT OF TAX AND REVENUE TO DISCLOSE TO THE DIRECTOR OF PURCHASING APPROPRIATE INFORMATION VERIFYING THAT BIDDER HAS PAID THE REQUIRED BUSINESS TAXES, PROVIDED THAT SUCH INFORMATION DOES NOT CONTAIN THE AMOUNTS OF TAXES PAID NOR ANY OTHER INFORMATION DEEMED BY THE TAX COMMISSIONER TO BE CONFIDENTIAL.</p> <p>UNDER PENALTY OF LAW FOR FALSE SWEARING (WEST VIRGINIA CODE 61-5-3), BIDDER HEREBY CERTIFIES THAT THIS CERTIFICATE IS TRUE AND ACCURATE IN ALL RESPECTS; AND THAT IF A CONTRACT IS ISSUED TO BIDDER AND IF ANYTHING</p>						

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<p>CONTAINED WITHIN THIS CERTIFICATE CHANGES DURING THE TERM OF THE CONTRACT, BIDDER WILL NOTIFY THE PURCHASING DIVISION IN WRITING IMMEDIATELY.</p> <p>BIDDER: -----</p> <p>DATE: -----</p> <p>SIGNED: -----</p> <p>TITLE: -----</p> <p>* CHECK ANY COMBINATION OF PREFERENCE CONSIDERATION(S) IN EITHER "A" OR "B", OR BOTH "A" AND "B" WHICH YOU ARE ENTITLED TO RECEIVE. YOU MAY REQUEST UP TO THE MAXIMUM 5% PREFERENCE FOR BOTH "A" AND "B". (REV. 12/00)</p> <p>NOTICE</p> <p>AN ORIGINAL, SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p>						

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THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED: SEALED BID BUYER: 32 RFQ. NO.: RQON PRICE BID OPENING DATE: 07/13/2006 BID OPENING TIME: 1:30 PM PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: ----- CONTACT PERSON (PLEASE PRINT CLEARLY): ----- ***** THIS IS THE END OF RFQ ABC174 ***** TOTAL: _____						

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The West Virginia Alcohol Beverage Control Administration is going to distribute hand held computers with scanning capabilities to agency inspectors. This scope of this RFQ includes the acquisition of all equipment, development of all databases, code modules and documentation necessary to deploy the G2 system (or equal). The system specifications contained within this RFQ include all documentation necessary for the creation of the G2 Mobile and G2 Admin systems. A third component, G2 Reports, will be created by WVABCA staff and is outside of the scope of this RFQ. References to G2 Reports system are included for the purpose of clarifying ScanGuard G2 as a whole.

ScanGuard G2 (or equal) will be comprised of several parts:

- G2 Mobile
- G2 Admin (incl. the ability to create the databases on SQL Server)
- G2 Reports (not part of this RFQ)

G2 Mobile is the part of ScanGuard G2 that runs on the mobile computer. Features include the ability for an inspector to scan an ID and verify the age listed on the ID; the ability to complete forms (like inspection forms) using registered form information; the ability to generate a report showing all detail collected on forms with the mobile computer; the ability to synchronize G2 Mobile data and software with the office; ability to use a local Bluetooth network to print to a Bluetooth enabled printer; ability to use a local Bluetooth network to enable the use of a Bluetooth keyboard; ability to connect to office resources via WIFI, GPRS or external modem. A detailed description of the G2 Mobile system specification, operating environment requirements, development environment requirements and database requirements are included in this RFQ.

G2 Admin is the name that we have chosen to refer to the management system which will be used to manage forms, users and other database tables. G2 Admin is a PC application. Field inspectors will conduct a number of different types of inspections using G2 Mobile. Each inspection type will have an associated inspection form setup using G2 Admin. G2 Admin will dynamically generate the required database tables to hold the completed forms per the form specification data contained in supporting databases. The utility will also enable the review of existing inspection form specifications, G2 Mobile user administration, and the ability to produce reports pertaining to forms, users and transactions. A detailed description of the G2 Admin system specification, operating environment requirements, development environment requirements and database requirements are included in this RFQ.

Software specifications contain all screen layout(s), screen specifications, database diagrams, data store descriptions, and module definitions.

All ScanGuard G2 applications must be developed using Visual Studio 2005, Visual Basic .NET and be developed using .Net Framework 2.0, Compact Framework 2.0 on the mobile computer. All applications must use ADO.NET for data access. All applications must use Microsoft Naming Conventions. All source code must be provided.

Both G2 Mobile and G2 Admin software must be developed using Object Oriented Programming (OOP). The three objects that must exist are User, G2Form and ABCLicense. These object classes will contain the data elements that describe them. The data will be pulled from one or more table to populate the object.

009

Data stores on the mobile computer will be provisioned using Microsoft SQL Server 2005 Mobile Edition. Data stores on the Windows Server 2003 Standard server at the office will be provisioned using Microsoft SQL Server 2005 Standard Edition. G2 Admin must provide complete database setup contained within the application. This includes not only the specified tables, but also the functionality to import data from UNIX on schedule and to update the user and ABC license extended properties tables by inspecting collected form data on schedule. Synchronization of G2 Mobile databases with back office SQL Server 2005 data must be enabled using Internet-Based Messaging architecture.

G2 Mobile must provide Bluetooth connectivity for printer, keyboard and headset. It must also provide support for connectivity to an 802.11b/g and eGPRS networks via integrated radios and dial-up networking via an external modem. G2 Mobile will, by default, use the fastest connection available to it (WiFi, eGPRS, then dial-up).

The G2Admin application must be developed to enable communications with SQL Server 2005 using a specified server name or IP address and requirement for an authenticated connection.

In addition to comments in the source code, printable programmer level documentation must be provided for every software module. It is very important to note that ABCA will receive the source code for all software as well as the ownership of all developed software, and databases schemas in the development of this system.

The delivered hardware and software must conform to specifications. If the delivered software does not perform to specifications, it is the responsibility of the vendor to correct any issues in a timely manner. The vendor must develop all G2 Mobile and G2 Admin software. Hardware and software compatibility is the responsibility of the vendor. In Phase III of the delivery, G2 Mobile must be installed on all of the mobile computers and the SD cards must be installed also.

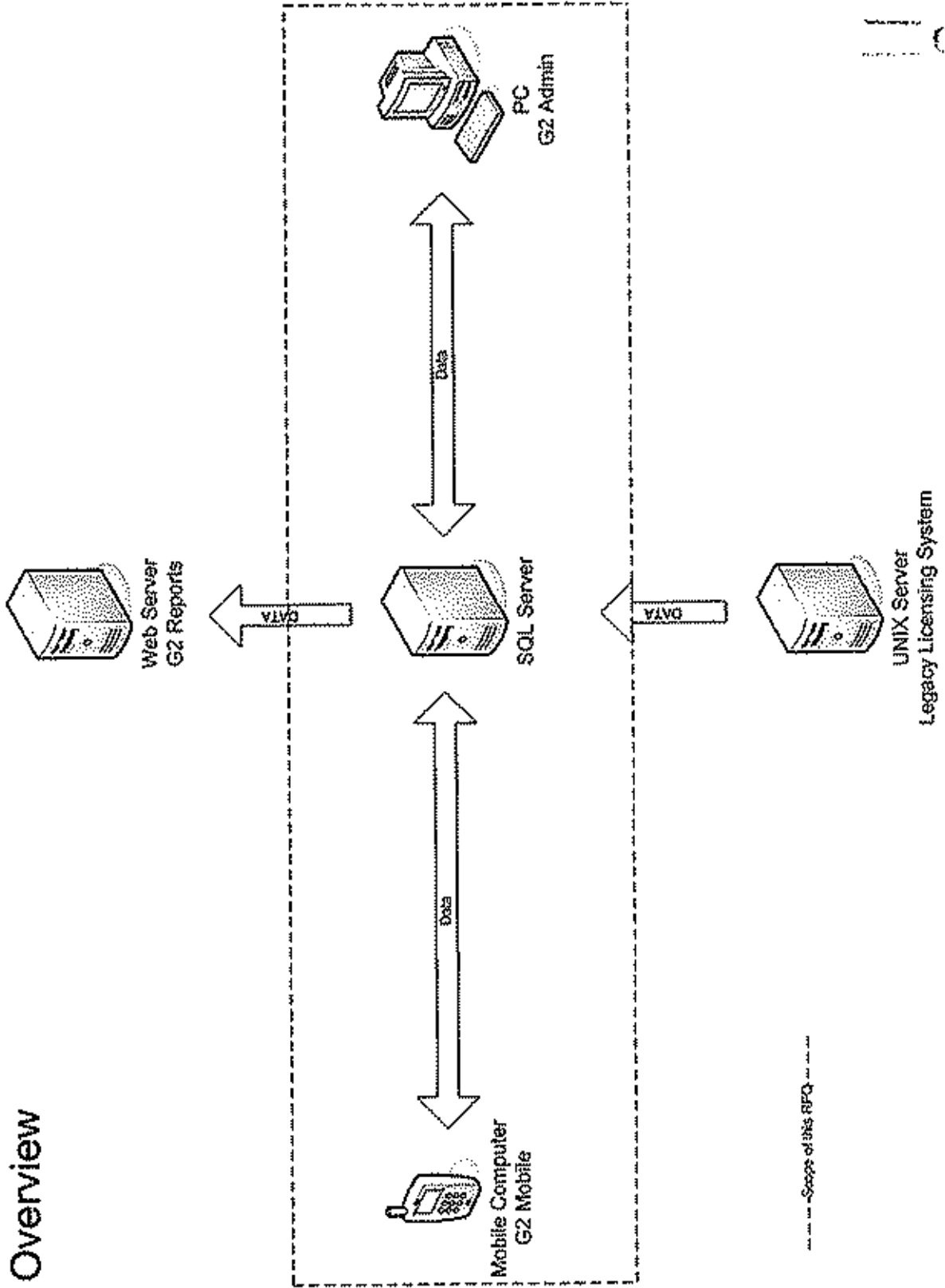
The vendor that is awarded the contract will be provided test data. Before any software is accepted it must be able to perform to specifications with provided test data. The software will be tested at our office with the same test data. If our test fails, the software will be returned to vendor and payment will not be made until all software passes acceptance testing.

All specified hardware must include the manufacturers' 1 year warranty plus 1 additional year, with option for the 3rd year. We desire a 1 year contract for technical / software development support with unlimited phone and email use. The technical / software development support agreement will start the day after the contract is awarded. The warranty and technical support coverage must be renewable at a negotiated rate.

All questions are to be submitted to:

Ron Price, Buyer Supervisor
File 32
West Virginia Purchasing Division
2019 Washington Street East
Charleston, WV 50130
Phone: 558-0492
Fax: 558-4115
Email: rprice@wvadmin.gov

ScanGuard G2 Overview



--- Scope of this RFQ ---

Deliverables

- All hardware per hardware specifications
- G2 Mobile software application per specifications
- G2 Admin software application per specifications
- 2 Yr Service Agreements on all hardware
- 1 Yr Technical / Development Support Agreement

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Delivery Schedule

- Phase I: Due by July 28, 2006
 - Two Symbol MC70 units
 - Two Mag Stripe Reader attachments
 - Two Home Bases for the MC70
 - Two Home Base power supplies
 - Two Home Base power supply line cords
 - Two Home Base to Modem Cables
 - Two USB Client Communications Cables
 - Two O'Neil MF4T Bluetooth printers
 - Two AC adaptors for O'Neil MF4T Bluetooth printer
 - Two Jabra headsets
 - Two Stowaway keyboards
 - Two US Robotics Modems
 - Two Transcend SD cards
 - See Hardware Specifications for part numbers
- Phase II: Due by August 18, 2006
 - G2 Admin software application
 - Including full capability to create databases on SQL Server 2005 Standard
 - See G2 Admin Specifications for details
- Phase III: Due by September 15, 2006
 - G2 Mobile software application
 - Excluding G2 Forms functionality. G2 Forms functionality is the main menu option 'Select Form' and the Toolbox option 'Forms Report'.
 - This means G2 Forms is the only part of G2 Mobile that can be missing from Phase III deliverables.
 - All remaining hardware, except the custom camera cables (see Hardware Specifications).
- Phase IV: Due by October 6, 2006
 - Completed G2 Mobile application to include G2 Forms
 - All custom camera cables

Hardware Specification

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- 42 – Symbol MC70 Enterprise Digital Assistants with the following options:
 - Operating System: Microsoft Windows Mobile 5.0
 - Communications: GPRS, 802.11b/g, Bluetooth
 - Memory: 64 MB RAM, 128 MB ROM
 - Input: Touch screen, alphanumeric keypad
 - 2D Imager
 - Extended Battery
 - MFG PN: MC7094-PKCDJQHA8WW
 - Or Equal

Description	MFG Part Number
➤ 42 – Home Base Cradles for the Symbol MC70	CRD7000-1000R
➤ 42 – Home Base Cradle Power Supply	50-14000-148R
➤ 42 – Home Base Cradle Power Supply Line Cord	23844-00-00
➤ 42 – Home Base to Modem Cables (RJ45 to RS-232)	25-63852-01
➤ 42 – Vehicle Base Cradles for the Symbol MC70	VCD7000-P000
➤ 10 – Cigarette Lighter Chargers for MC70	25-70979-01
➤ 42 – Holsters for the Symbol MC70	11-70983-01
➤ 42 – Mag Stripe Reader attachment	MSR7000-100
➤ 42 – Extended Batteries for the Symbol MC70	BTRY-MC70EAB02
➤ 2 – USB Client Communications Cables	25-68596-01
➤ 42 – O'Neil MF4T Portable Printers with Bluetooth or equal	200232-000
➤ 42 – DC car charger w/ cig plug for O'Neil MF4T printer	510002-003
➤ 42 – AC charger for O'Neil MF4T printer	490008-003
➤ 42 – Vehicle Mounting Bracket for O'Neil MF4T printer	280128-000
➤ 2 – Cases of thermal paper for the O'Neil MF4T portable printer	
➤ 42 – Jabra BT250v Bluetooth headset or equal	100-92500000-02
➤ 42 – Stowaway Universal Bluetooth Keyboard or equal	XTBTUE
➤ 42 – US Robotics 56K Faxmodem (Black in color) or equal	USR5686E
➤ 42 – Transcend 4GB 150X Secure Digital Card or equal	TS4GSD150
➤ 50 – Custom cables to connect a Kodak EasyShare C330 camera directly to Symbol MC70 mobile computer	

The G2 Mobile system will enable field inspectors to gather inspection data utilizing a Symbol MC70 Enterprise Digital Assistant mobile computer. Standard users will not be granted access to the operating system environment. Administrative users will gain access to the operating system, set the Unit ID, or perform an Office Update by entering the correct Series 9000 user login credentials. Upon authentication the menu will be displayed. This menu provides access to system functionality.

The G2 Mobile system will enable ABCA inspectors to scan 1D\2D bar codes and read of magnetic strip information on standard identification cards such as state driver's licenses, military ID's for the purpose of determining legal age and validity of the card. These units will keep a history of ID's scanned for inspector reference, if needed. The ID scan history may be manually purged by the inspector at any time.

This G2 Mobile system will also be used to perform routine inspections and other data collection from WVABCA licensed establishments. The G2 Mobile system will enable the collection and storage of data pertaining to inspection forms which are dynamically generated using the G2 Admin system. One of these inspection forms is the routine inspection of WVABCA licensed establishments. This form will prompt the inspector to scan the license bar code and answer a series of questions pertaining to this particular type of inspection form. The person in charge of the licensed establishment will then sign the area provided on the display with a stylus. The signature will be captured and will become part of the inspection data. The inspector will print an inspection receipt showing either a summary or details of the completed form, including whether problems were found.

G2 Mobile includes what we call G2 Forms. G2 Forms is a set of processes that allow us to describe a form in G2 Admin and have it rendered on the mobile device. G2 Admin makes the appropriate entries in the database to fully describe the new forms. G2 Admin also dynamically creates tables to store the completed forms. G2 Mobile uses these databases to allow the mobile user to choose one of these forms, have it rendered on the mobile device, and have the completed form stored in the database. In G2 Forms, forms have questions and questions have criteria to determine if they should be posed when the form is rendered. This criteria includes determining if this question is appropriate for this ABC License type. Even if it is, the question may still be conditional on a previous question answer or a property of the ABC License or G2 Mobile user.

The G2 Mobile system will also enable an inspector to take pictures with a digital camera, as evidence or documentation to support inspection data and associate these images with a particular inspection form. These images will be uploaded to the MC70 utilizing a specially made cable. This upload process will associated the images with inspection form data. The images will be stored locally on the mobile device and transferred to the SQL back-office database along with other inspection data during the Office Update Process discussed later in this document.

Inspector activity is recorded on the MC70 unit when a user selects options from the G2 Mobile menu. Users may also manually record activity information in this table to record other inspection activities such as driving or inspection time. This information is transferred to the back-office SQL server during the Office Update process.

Periodically (usually daily), the inspector will connect to our home office to upload inspection data, download system updates, new form definitions and form database schemas. This process is referred to as the Office Update process. The connection to our office will be made via, WIFI,

GPRS or telephone line using an external modem. The user may select which option they wish to use to establish a connection. If a user attempts to connect when appropriate service is not available, the user will be notified that a connection was not possible. Once connected, inspection information contained in the local G2 Mobile database will be uploaded to the back-office database; data pertaining to new form schemas, licensee information, user data, and software version will be downloaded to the local G2 Mobile system. Data transfer will utilize SQL Server Internet-Based Messaging. Once the database sync is done, G2 Mobile will determine if a software update is available. If the G2 Mobile version running on the MC70 is not the most current an authenticated FTP session will be initiated and a new version of G2 Mobile system software will be downloaded from a directory on the back-office server. Upon download the software will be installed.

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The G2 Mobile system will provide utility functions for the purpose of adjusting Bluetooth and WIFI configuration, syncing the MC70 unit time, monitoring of battery status, as well as other features as specified in the attached documents.

The G2 Mobile system will provide a user with the ability to produce reports regarding activity, form information and license information.

Detailed module specifications, screen specifications, screen layouts, database diagrams, data store specifications and development constraints have been attached.

Module Name: Authentication
Description: Provides for user authentication and menu options.

Called by: None	Calls: AuthUser, Series9000
Input: None	Output: None
Type of Program Module <input type="checkbox"/> Online <input checked="" type="checkbox"/> Mobile <input type="checkbox"/> PC	Data Stores Affected: UnitIDTable, UserTable (read only)

Program Logic:

- App start, hide task bar to prevent user from accessing any other this app
- By default the cell phone functions of the MC70 are disabled. Later EnableCellPhone (see UserTable) will be used to turn on the cell phone. For now this column is ignored.
- Display Login Screen
- User enters UserID and Password
- User is authenticated against UserTable
- If authenticated, display Main Menu screen.
- If not authenticated, display "User Not Authenticated" on Login Screen
- If UserID is 9000 or greater, call Series9000 to perform the required 9000 series function from the Login screen.
 - Series 9000 commands are entered as the User ID on the login screen. These functions provide our tech support staff a method of triggering functions on the mobile computer that are not on the menu. Once the 9000 series code is entered, the dynamic password must be entered. This password is based on the date and time and is the same for all 9000 series functions. The dynamic password algorithm is below.
 - Password = Month X DayOfMonth X Hour + Year
 - Hour is on 24 hour clock
 - Year is 4 digit
 - The Series 9000 functions are:
 - 9000 – Emergency Exit: Exits app
 - 9004 – Set UnitID in G2MobileOnlyDB
 - 9111 – Perform Office Update without proper user login

Module Name: Main Menu
Description: Provides for menu options.

Called by: Authentication	Calls: IDCheck, FormSelector, ActivityEditor, ToolBox
Input: None	Output: None
Type of Program Module <input type="checkbox"/> Online <input checked="" type="checkbox"/> Mobile <input type="checkbox"/> PC	Data Stores Affected: None

Program Logic:

- Upon user clicking one of the Main Menu Screen buttons, call the appropriate module.
- If user clicks ToolBox, display the ToolBox Menu Screen.
- If the user clicks Utilities on the ToolBox Menu Screen, display the Utilities Menu Screen.
- Upon user clicking one of the ToolBox options, call the appropriate module.
- Upon initial load of the software, the time is checked. If it is less than June 2006, display the Tool Box menu and disable the Main Menu button.

Button	Module Called
ID Check	IDCheck
Select Form	FormEngine
Activity Editor	ActivityEditor
Tool Box	ToolBoxMenu
Office Update	OfficeUpdate
ABC Lic Report	ABCLicReport
Forms Report	FormsReport
Activity Report	ActivityReport
Config Wireless	ConfigWireless
Show Batt Level	ShowBattLevel
Align Screen	<OS utility for screen alignment>
Sync Time	SyncTime
Reset Bluetooth	ResetBluetooth
Exit	<handled within button click >

Module Name: IDCheck
Description: Captures ID info from imager, parses it, then displays it and allows user to navigate, print or purge scanned IDs.

Called by: Menu	Calls: IDParser, IDPrint, IDPurge
Input: None	Output: None
Type of Program Module <input type="checkbox"/> Online <input checked="" type="checkbox"/> Mobile <input type="checkbox"/> PC	Data Stores Affected: IDScanTable (read / write)

Program Logic:

- Display the ID Check Screen.
- Check the IDScanTable to see if there are any existing records.
- If so, delete any that are older than 30 days.
- Display the info of the latest scanned ID.
- Count and display the total number if ID scans in IDScanTable.
- If the count is greater than 1 enable the Back button to browse back to previous ID scans.
- If the user uses the Back button and is currently viewing an ID other than the last one scanned, enable the Next button.
- The Back and Next buttons are enabled and disabled as there are IDs to view.
- If the user clicks the Options button, display the ID Check Options Screen.
- Process the Print or Purge requests on the ID Check Options Screen.
- ID Check will receive info from the imager or the MSR attachment (now event driven).
- Once the info has been read in it will be parsed by IDParser. The returned IDCard object will be used to populate the ID Check Screen.
- Upon successive ID reads, new ID info will be displayed on the screen and the ID count will be incremented.

Module Name: FormEngine
Description: Provides user the list of available forms that can be completed. Once a form is chosen, this module renders the form on the mobile unit.

Called by: Menu	Calls: GetLicBasedQuestions, GetNonLicBasedQuestions, EvalCondExpr, PullPictures, ResizePic, PrintForm, SaveForm
Input: None	Output: None
Type of Program Module <input type="checkbox"/> Online <input checked="" type="checkbox"/> Mobile <input type="checkbox"/> PC	Data Stores Affected: FormsTable, FormsDetailTable, AnsTypeTable, AnsOptionsTable, ABCLicLWBTable, QLinkTable, UserTable, ABCLicStatusTable, DeviceTable, UserPropsTable, ABCLicTable, ABCLicLWBPropTable, ABCLicPartnersTable, ABCLicPropsTable (all read only). Form####AnsTable, FormPictures (write only).

Program Logic:

- Display FormList Screen
- Populate the listbox with active forms from FormsTable.
- Ok button is disabled until user selects a form from the listbox.
- If Cancel is clicked, return to the Main Menu Screen.
- If a form is selected and Ok is clicked, check IsBasedOnABCLic.
- If true,
 - Display ABCLicScan Screen and enable the imager.
 - Once the ABC license has been scanned, display the license information.
 - If license status is not an active status (see ABCLicStatusTable), show popup indicating that the license is not active just as an FYI.
 - If Ok is clicked on ABCLicScan screen
 - Call GetLicBasedQuestions to get the set of questions to be posed. GetLicBasedQuestions does an inner join between FormsDetailTable and ABCLicLWBTable where the LicType, LWBLiquor, LWBWine and LWBBer match the ABC License number scanned. These tags match up with characters 3 thru 6 of the ABC License number, respectively.
 - If Cancel is clicked, return to FormList Screen.
- If false, call GetNonLicBasedQuestions to get the set of questions. GetNonLicBasedQuestions simply gets all the questions with the FormID matching the Form selected.

- Display FormQuestion screen
- Do loop
 - If first question, disable Back button.
 - Get next question.
 - If question IsConditional, check to see if the data element referred to by CondName is equal to CondValue.
 - If it is not equal, set WasPosedQID### to false and go get next question.
 - Set WasPosedQID### to true
 - Pose the question using Form Question Screen
 - Load the QuestionText on the screen
 - Dynamically create the appropriate answer control based on AnsTypeID
 - If answer type is droplist, populate the droplist from AnsOptionsTable.
- If Back is clicked, retain the answer selected and go to the previous question.
- If Cancel is clicked, ask "Are you sure?" then return to FormList Screen.
- If Next is clicked, While more questions to pose loop back up to Do loop.

- If OptionalPictures, display the OptionalPictures screen.

- If user indicates that there are pictures and clicks Next, call PullPictures. If PullPictures returns true, display the PictureLink screen. Otherwise, give a message box saying "No pictures found. Make sure camera is attached."
 - The PictureLink screen will display the total number of images on the camera and indicate that the current image is x of y (ie 1 of 10).
 - If user clicks Next and the checkbox is checked, add the displayed image to the FormPictures table and display the next image.
 - If the user clicks Next and the checkbox is not checked, disregard the image and display the next image.
 - If the user clicks Back, redisplay the last image or if this is the first image shown, show the OptionalPictures screen.
 - If the user clicks Cancel, ask "Are you sure?" then show FormList screen.
 - If there are one or more pictures linked to the form, set HasPictures to true.
 - If more images, display next image.
- If no more images, show the FormComment screen.
- If OptionalHadProblems=true, make the Problems checkbox enabled and visible. Otherwise, set the checkbox to false and make it invisible.
- If user clicks Back, show prior screen.
- If the user clicks Cancel, ask "Are you sure?" then show FormList screen.
- If user is shown Problems checkbox and clicks Next, retain the comment (Comment) and problems setting (HadProblems) in Form####AnsTable continue to next screen.
- If OptionToPrint (FormsTable), show OptionToPrint screen.
- The Include Comment checkbox is disabled if No Report is indicated.
- If user clicks Back, show prior screen.
- If user clicks Cancel, ask "Are you sure?" then show FormList screen.
- If user clicks Next,
 - And radio button No Report is selected, continue without printing.
 - And radio button Summary is selected, print a summary of the form that was just completed (see FormSummary report)
 - And radio button Detailed is selected, print the detail of the form that was just completed (see FormDetailed report).

- If Include Comment is checked, print the full comment at the end of the report... (see FormSummary and FormDetailed reports).
- Display the FormSave screen.
- If user clicks Back, show prior screen.
- If user clicks Cancel, ask "Are you sure?" then show FormList screen.
- If user clicks Save, save all of the inspection answers to the appropriate Form####AnsTable. Also, save any pictures linked to the form to the FormPicturesTable. Up to now, none of the collected info has been persisted to these tables so that if the user had canceled the form midway, there would be nothing to delete. Before pictures are saved, they are checked for compliance. All pictures must be 640x480 JPG images. This is smaller than the Kodak C330 camera can take. So all pictures will have to be resized on the G2 Mobile unit.

Module Name: ActivityEdit
Description: Provides user the list of available forms that can be completed. Once a form is chosen, this module renders the form on the mobile unit.

Called by: Menu	Calls: SaveActivity
Input: None	Output: None
Type of Program Module <input type="checkbox"/> Online <input checked="" type="checkbox"/> Mobile <input type="checkbox"/> PC	Data Stores Affected: FundingTable, TaskTable, CountyTable (read only) ActivityTable (read / write)

Program Logic:

- Show ActivityList screen
- Edit button is disabled until an entry from the list is chosen.
- Populate the screen with activity records in ActivityTable
- If user clicks Cancel, return to Main Menu.
- If user clicks New, show ActivityEditor screen with no data loaded and all fields are enabled.
- If user clicks Edit, show ActivityEditor screen with data loaded from the activity selected from the list (ActivityTable). In edit mode, if the TaskID indicates that the task IsG2Task, the ActivityEditor screen only has the following fields enabled for changes: County, Funding, and Comment. If it is not a G2 Task, all fields are editable.
- From ActivityEditor screen, if user clicks Save call SaveActivity module.
- From ActivityEditor screen, if user clicks Cancel return to ActivityList screen.

Module Name: ToolBox
Description: Tool Box is a sub-menu.

Called by: MainMenu	Calls: TbReportsMenu, OfficeUpdate, TbUtilMenu
Input: None	Output: None
Type of Program Module <input type="checkbox"/> Online <input checked="" type="checkbox"/> Mobile <input type="checkbox"/> PC	Data Stores Affected: None

Program Logic:

Submenu (see full menu below for ToolBox options and context in MainMenu).

Button	Module Called
ID Check	IDCheck
Select Form	FormEngine
Activity Editor	ActivityEditor
Tool Box	ToolBoxMenu
Office Update	OfficeUpdate
ABC Lic Report	ABCLicReport
Forms Report	FormsReport
Activity Report	ActivityReport
Config Wireless	ConfigWireless
Show Batt Level	ShowBattLevel
Align Screen	<OS utility for screen alignment>
Sync Time	SyncTime
Reset Bluetooth	ResetBluetooth
Exit	<handled within button click >

Module Name: ABCLicReport
Description: Prints ABC license reports on one or more licensees.

Called by: ToolBox	Calls: None
Input: None	Output: None
Type of Program Module <input type="checkbox"/> Online <input checked="" type="checkbox"/> Mobile <input type="checkbox"/> PC	Data Stores Affected: ABCLicTable, ABCLicStatusTable, ABCLicLWBTable, ABCLicPartnersTable CountyTable (read only)

Program Logic:

- Display ABCLicReportScreen1
- Allow user to enter search criteria
- If user clicks Cancel, return to Tool Box menu.
- If user clicks Search, display ABCLicReportScreen2 and populate the listbox with licenses that match the search criteria.
- If the user clicks Cancel, return to ABCLicReportScreen1.
- If the user clicks Print, call PrintABCLicReport with the options set in the print panel.
- If the user clicks Details, display ABCLicReportScreen3 and populate the listbox with information about the specific license chosen. All info about the licensee is to be displayed (see ABCLicTable, ABCLicStatusTable, ABCLicLWBTable, ABCLicPartnersTable).
- If user clicks Cancel, return to ABCLicReportScreen2.
- If user clicks Print, call PrintABCLicReport with the options set in the print panel of ABCLicReportScreen3.

Module Name: FormsReport
Description: Prints a report of completed forms on the mobile computer.

Called by: ToolBox	Calls: PrintFormsReport
Input: None	Output: None
Type of Program Module <input type="checkbox"/> Online <input checked="" type="checkbox"/> Mobile <input type="checkbox"/> PC	Data Stores Affected: Form9999AnsTable(s), FormPictures, ABCLicTable, ABCLicLWBTable (read only)

Program Logic:

- Display FormReport screen
- Populate the listbox with completed forms on the unit
 - Do Loop
 - Read the form from FormsTable
 - Open the Form9999AnsTable that corresponds to the FormID read above
 - Do Loop
 - Read Form answer record and list it in the listbox
 - While more Form9999AnsTable records
 - While more FormsTable records
- If user clicks Cancel, return to Tool Box.
- If user clicks Print, call PrintForms

Module Name: ActivityReport
Description: Prints a report of User's activity.

Called by: ToolBox	Calls:
Input: None	Output: None
Type of Program Module <input type="checkbox"/> Online <input checked="" type="checkbox"/> Mobile <input type="checkbox"/> PC	Data Stores Affected: ActivityTable, TaskTable, CountyTable, FundingTable (read only)

Program Logic:

- Display ActivityReport screen
- If user clicks Cancel, return to Tool Box menu
- If user clicks Print, print the activity in ActivityTable according to the print options selected (see sample Activity Report and ActivityReport screen)
- Print needs to be in most recent to oldest order of activity.

Module Name: OfficeUpdate
Description: Connects to Internet and syncs time and data.

Called by: ToolBox	Calls: GetConnected, SyncNTP, SyncData
Input: None	Output: None
Type of Program Module <input type="checkbox"/> Online <input checked="" type="checkbox"/> Mobile <input type="checkbox"/> PC	Data Stores Affected: All databases updated except G2MobileOnlyDB

Program Logic:

- Display OfficeUpdate screen
- If a wireless connection is detected,
 - Check the Use Wireless checkbox
 - Clear and disable Dial Prefix checkbox and textbox
- Else
 - Uncheck and disable the Use Wireless checkbox
 - Set the Use Dial Prefix equal to DisableCallWaiting (UserTable)
 - If DisableCallWaiting = true, preload CallWaitingDisableString in the Dial Prefix textbox.
- If the Use Dial Prefix box is checked, enable the textbox.
- If the Use Dial Prefix is unchecked, disable the textbox.
- If user clicks Cancel, return to Tool Box menu.
- If user clicks Connect,
 - Disable the Connect button
 - call GetConnected to establish an Internet connection.
 - If successfully connected,
 - Call SyncNTP to sync time with using the Network Time Protocol (NTP v4 – RFC 2030).
 - If SyncNTP not successful,
 - display message “Time Sync Error” and stop Office Update.
 - Change the text of the Connect button to Ok and enable the button
 - Disable Cancel button
 - When the Ok button is clicked, return to Tool Box menu
 - Call SyncData to synchronize G2FrameworkDB and G2RepositoryDB between the SQL Server Mobile and SQL Server Standard via Message-Based Internet Replication.
 - First, the G2RepositoryDB data is sent to SQL Server Standard
 - Second, a ExtendedPropertyUpdate process is kicked off on the SQL Server to update any extended properties that may need updating from the incoming completed Forms. This process will loop thru FormsTable and FormsDetailTable to determine which questions are to update extended property values and which Form9999AnsTables to search in. When an

answer to such a question is found, the answer value is copied to the.....
extended property value in either UserPropsTable or ABCLicPropsTable.

- Third, now that extended properties are updated, pull in the G2FrameworkDB from the SQL Server.
- If SyncData is successful,
 - Check VersionTable to see if running software is the same version as G2MobileSWVersion
 - If not,
 - Establish FTP connection with FTP server specified in UserTable
 - Download G2.Zip, which contains G2.CAB
 - Unzip it and install G2.CAB
 - Soft boot the unit
- Change the Connect button text to Ok and enable the button
- Disable the Cancel button
- If Ok is clicked, soft boot the unit

Module Name: ConfigWireless
Description: Allows user to configure wireless networking.

Called by: ToolBox	Calls: None
Input: None	Output: None
Type of Program Module: <input type="checkbox"/> Online <input checked="" type="checkbox"/> Mobile <input type="checkbox"/> PC	Data Stores Affected: None

Program Logic:

- Display ConfigWireless screen
- The screen indicates the strength of both GPRS and WiFi connections. It also indicates the strongest WiFi network name.
- Both checkboxes to enable the wireless networks are checked by default. The user can uncheck either to disable that connection. This is useful if the user is in their car traveling. The WiFi network which would be used normally (because it's faster) must be disabled to force the unit to use GPRS.
- Note: this does not support WiFi networks that require an encryption key. SQL Server synchronization handles the encryption.
- If user clicks Ok, commit any changes to configuration and return to Tool Box Menu.

Program Specification

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Module Name: ShowBattLevel
Description: Shows the main and backup battery levels.

Called by: ToolBox	Calls: None
Input: None	Output: None
Type of Program Module <input type="checkbox"/> Online <input checked="" type="checkbox"/> Mobile <input type="checkbox"/> PC	Data Stores Affected: None

Program Logic:

- Display BattLevel screen
- Call the system to retrieve the battery levels and set the progress bars and labels accordingly.
- If user clicks Ok, return to Tool Box Menu.

Module Name: SyncTime
Description: Connects to Internet and syncs time with timeservers.

Called by: ToolBox	Calls: GetConnected, SyncNTP
Input: None	Output: None
Type of Program Module <input type="checkbox"/> Online <input checked="" type="checkbox"/> Mobile <input type="checkbox"/> PC	Data Stores Affected: None

Program Logic:

- Display SyncTime screen
- If a wireless connection is detected,
 - Check the Use Wireless checkbox
 - Clear and disable Dial Prefix checkbox and textbox
- Else
 - Uncheck and disable the Use Wireless checkbox
 - Set the Use Dial Prefix equal to DisableCallWaiting (UserTable)
 - If DisableCallWaiting = true, preload CallWaitingDisableString in the Dial Prefix textbox.
- If the Use Dial Prefix box is checked, enable the textbox.
- If the Use Dial Prefix is unchecked, disable the textbox.
- Show the system time in the Start Time textbox.
- If user clicks Cancel, return to Tool Box menu.
- If user clicks Connect, call GetConnected to establish an Internet connection.
- If successfully connected,
 - Call SyncNTP to sync time with using the Network Time Protocol (NTP v4 – RFC 2030).
- Show the new system time in the New Time textbox.
- Change the text on the Connect button to Ok and disable the Cancel button.
- If user clicks Ok, return to Tool Box menu.

Program Specification

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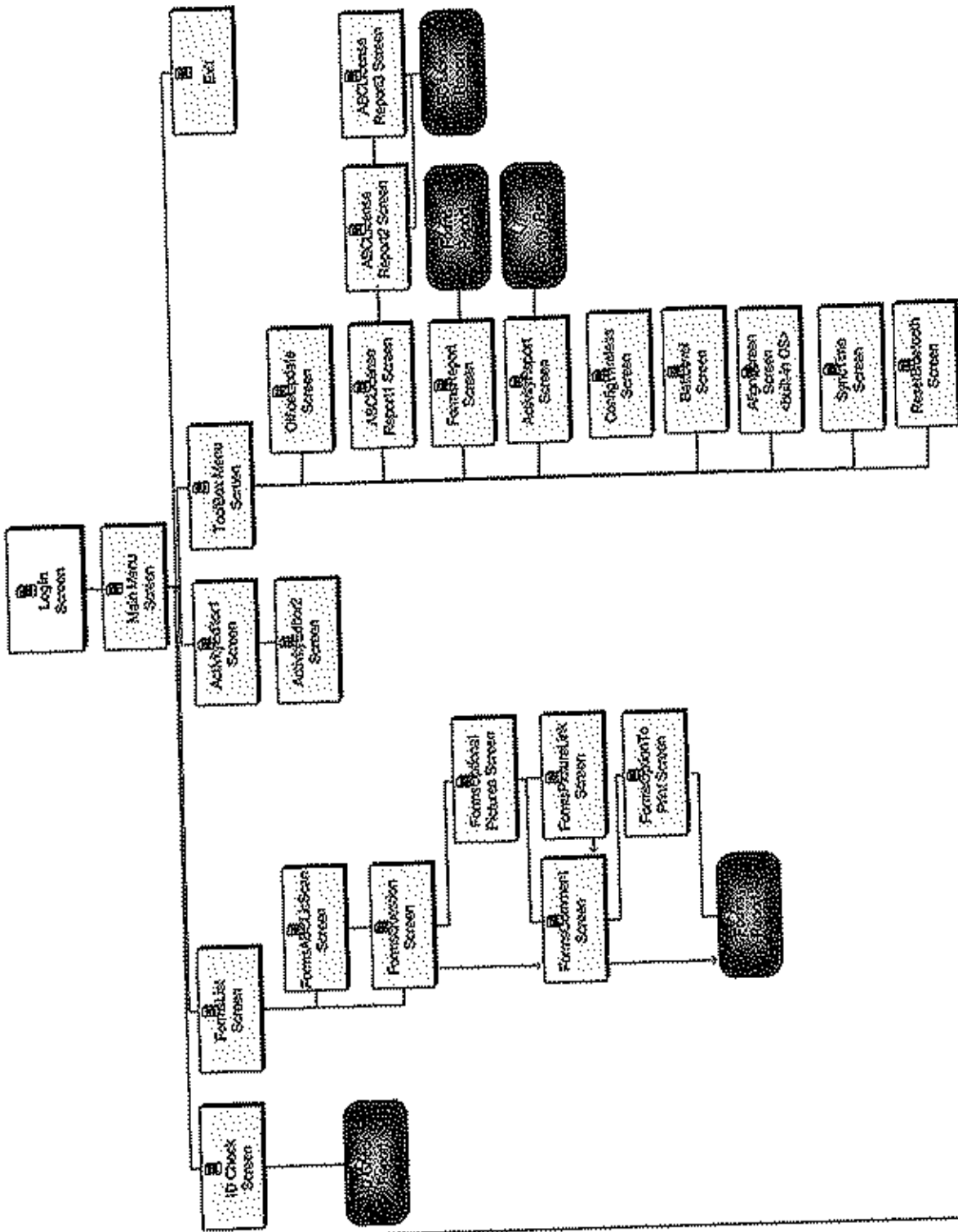
Module Name: ResetBluetooth
Description: Reestablishes pairing with Bluetooth devices.

Called by: ToolBox	Calls: None
Input: None	Output: None
Type of Program Module <input type="checkbox"/> Online <input checked="" type="checkbox"/> Mobile <input type="checkbox"/> PC	Data Stores Affected: None

Program Logic:

- Display ResetBluetooth screen
- Load listbox with devices already recognized by the Bluetooth manager (BTExplorer).
- If the user clicks Reset, given the known Bluetooth devices we are using, reestablish settings to use these devices.
 - O'Neil Portable Printer
 - Jabra Headset
 - Stowaway Universal Keyboard
- If the user clicks Cancel, return to the Tool Box menu

G2 MOBILE Screen Layout



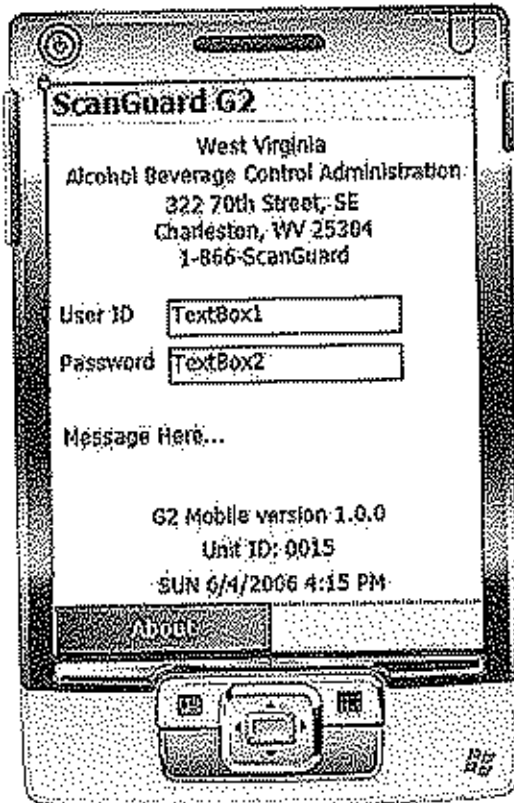


Figure 1 - Login Screen

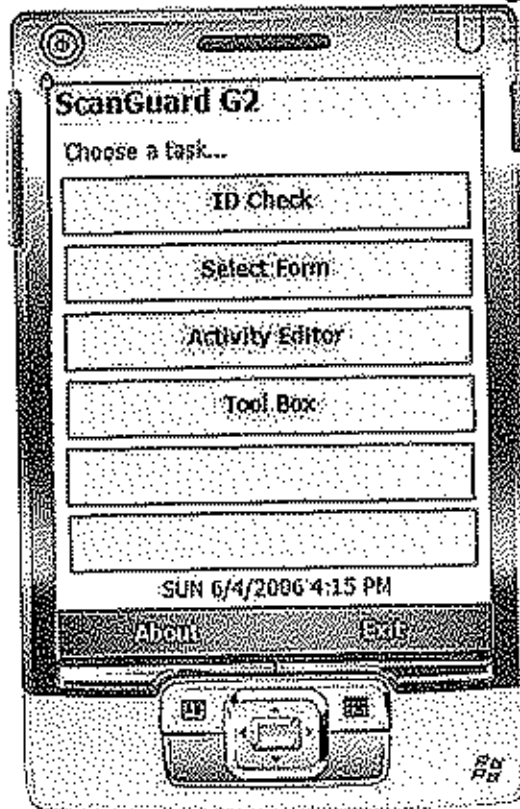


Figure 2 - Main Menu

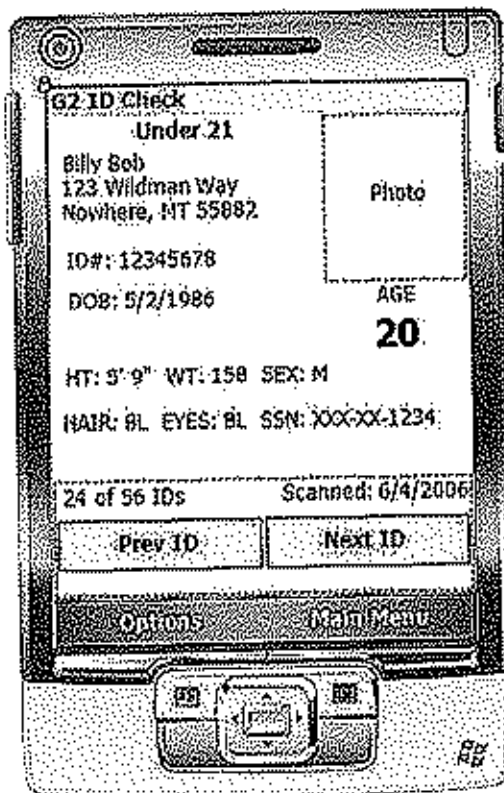


Figure 3 - ID Check

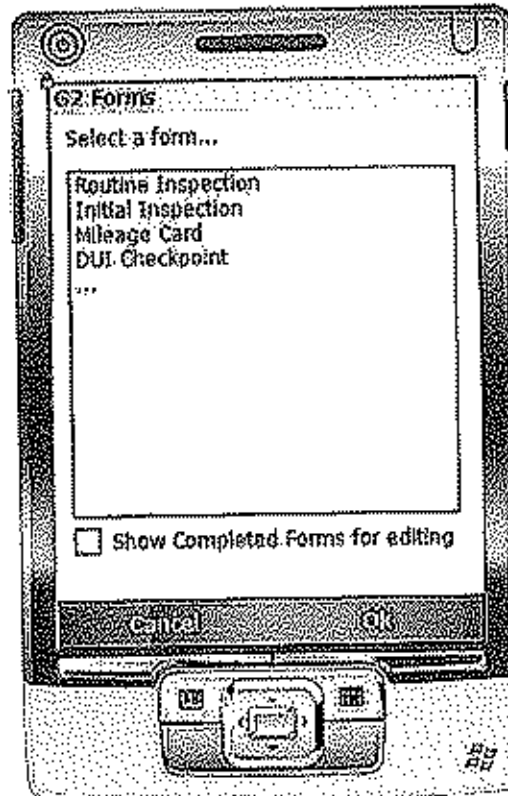


Figure 4 - FormsList

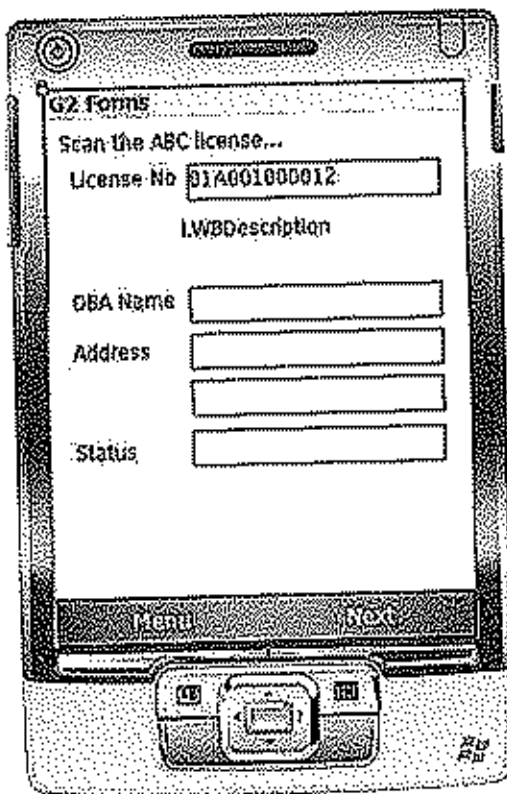


Figure 5 - FormsABCLicScan

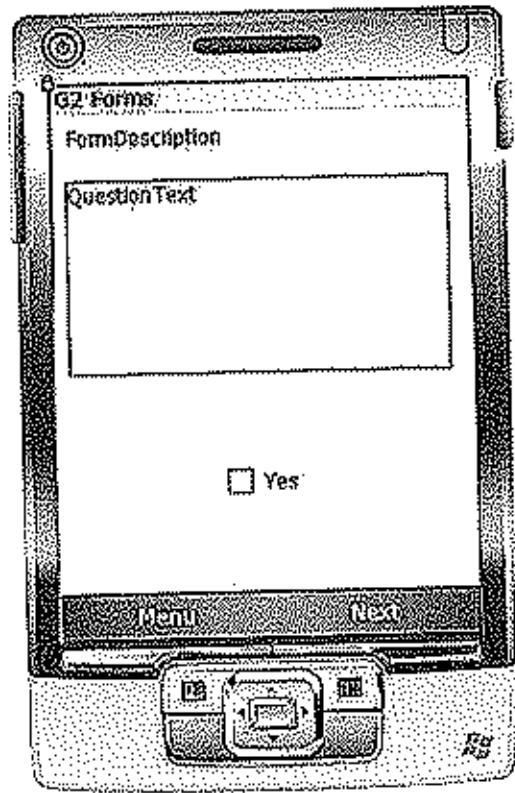


Figure 6 - FormsQuestion-A

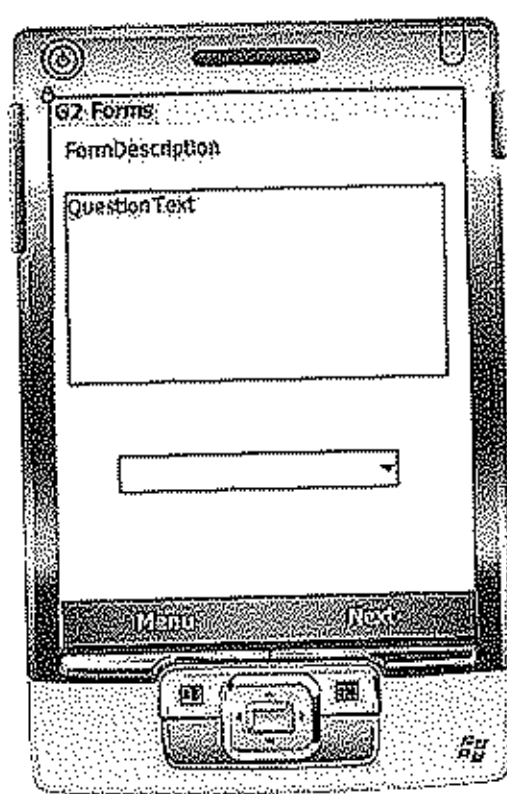


Figure 7 - FormsQuestion-B

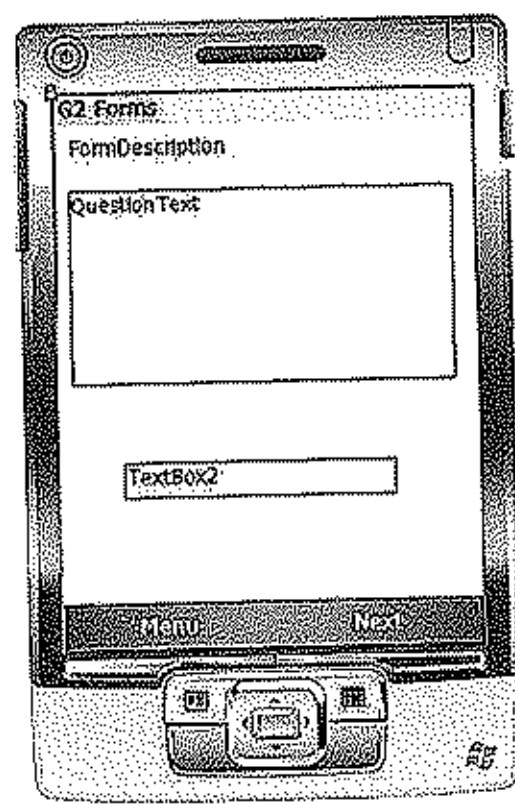


Figure 8 - FormsQuestion-C

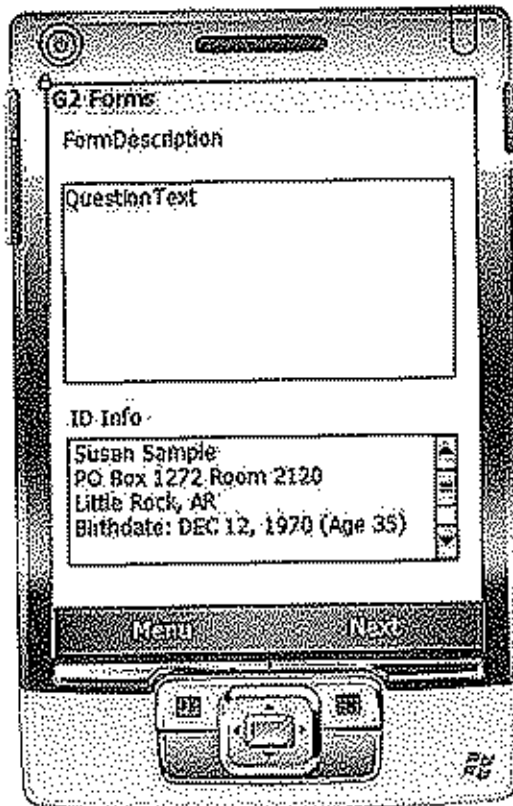


Figure 9 - FormsQuestion-D

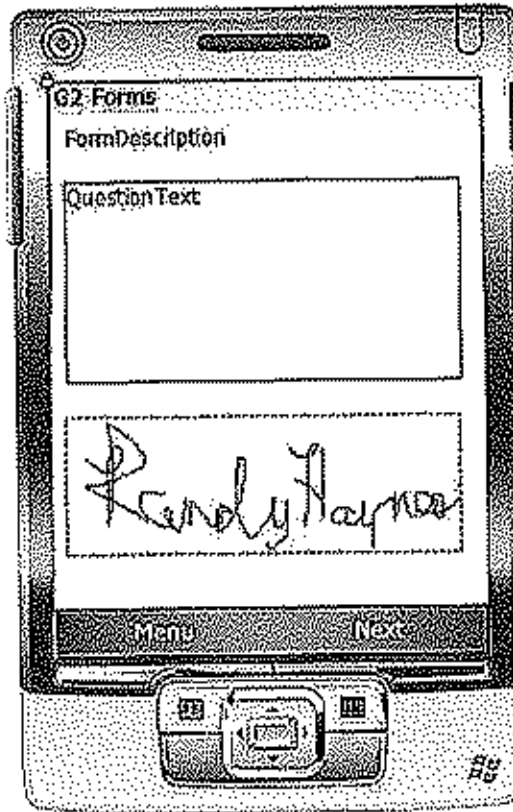


Figure 10 - FormsQuestion-E

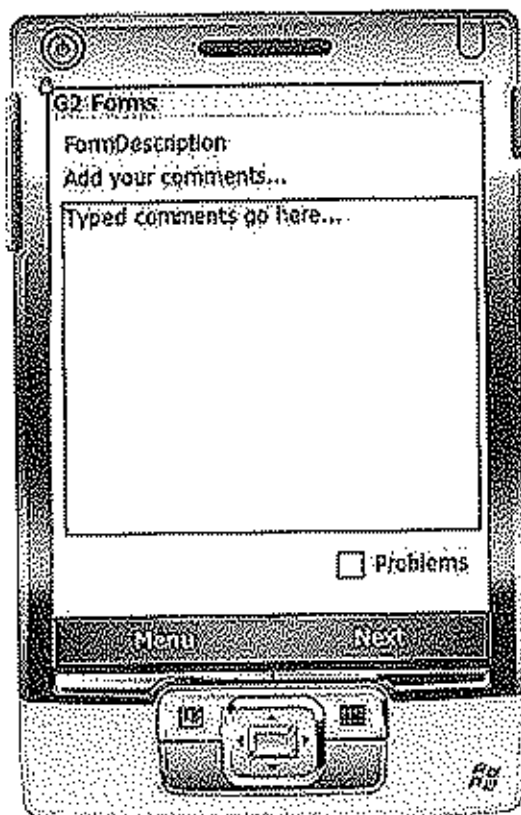


Figure 11 - FormsComment

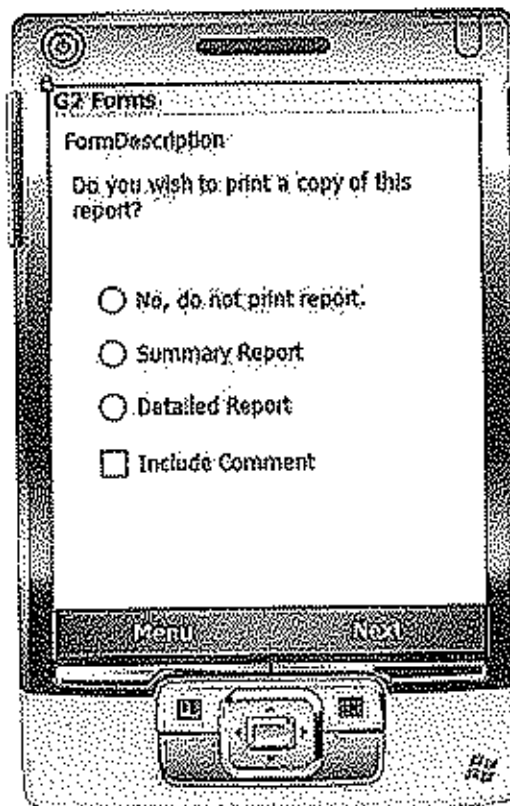


Figure 12 - FormsOptionToPrint

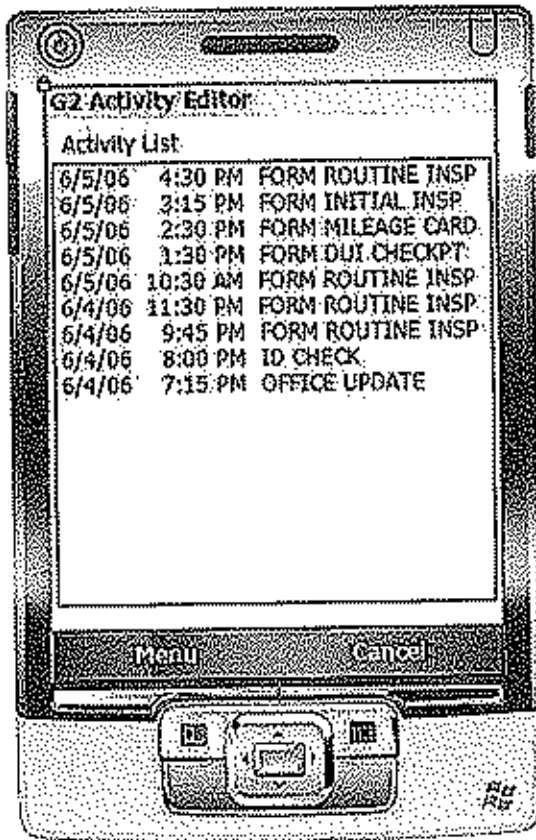


Figure 13 - ActivityEditor1

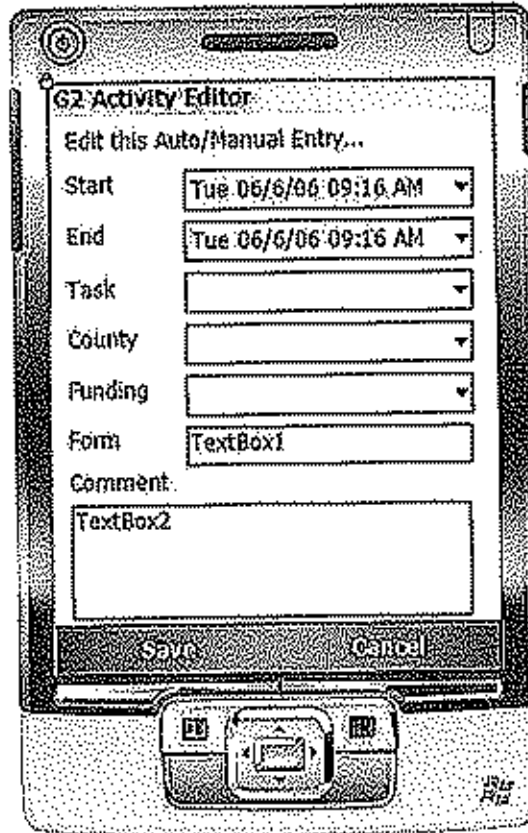


Figure 14 - ActivityEditor2

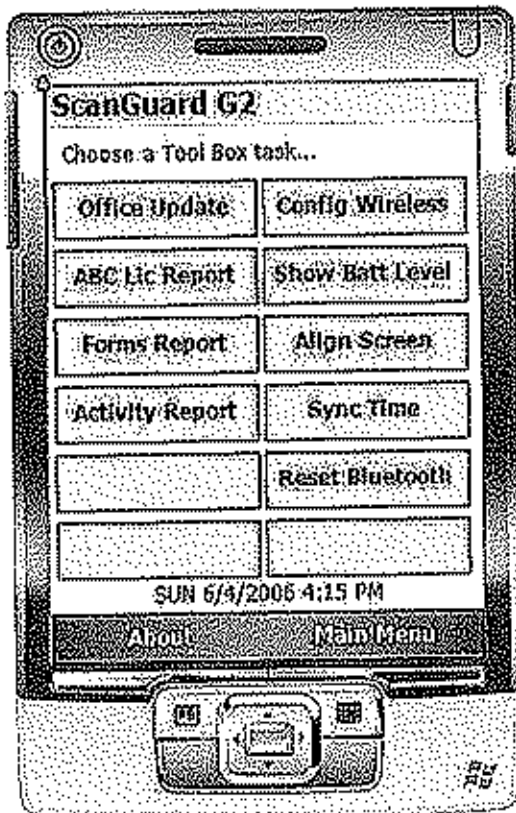


Figure 15 - ToolBox Menu

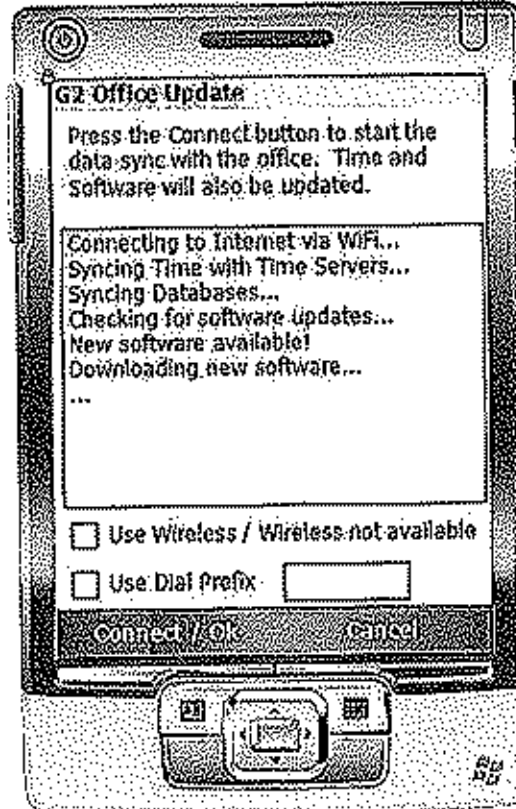


Figure 16 - Office Update

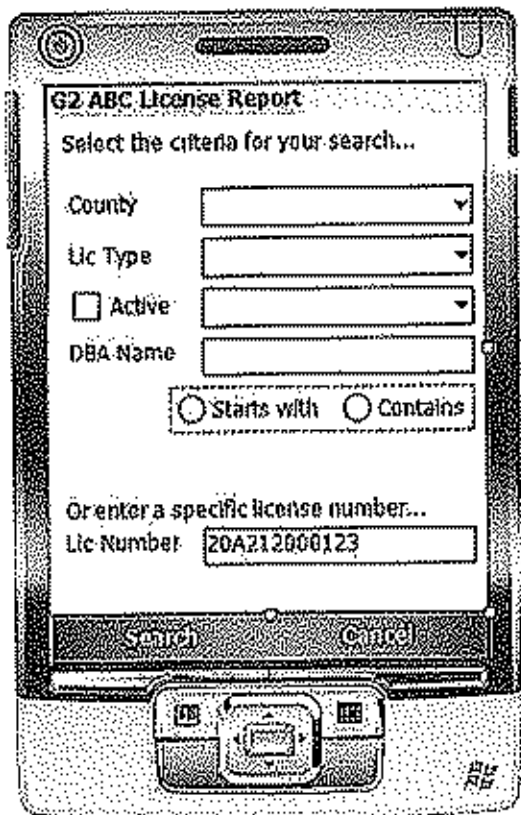


Figure 17 - ABCLicenseReport1

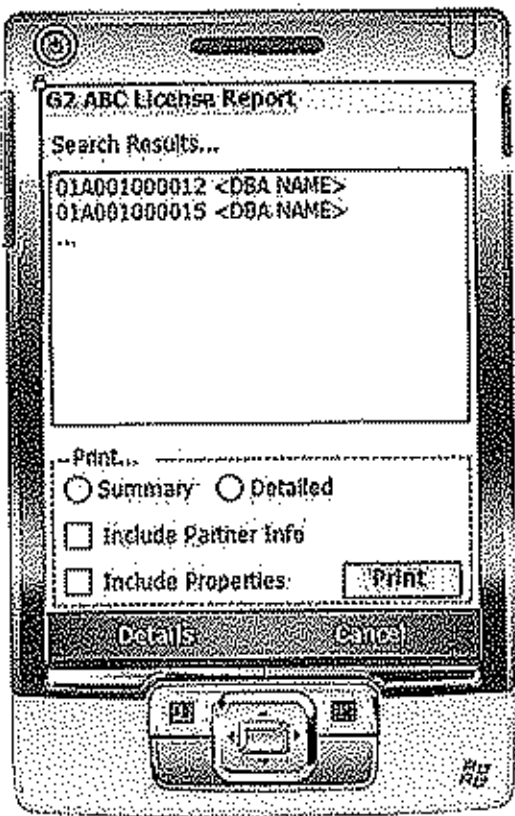


Figure 18 - ABCLicenseReport2

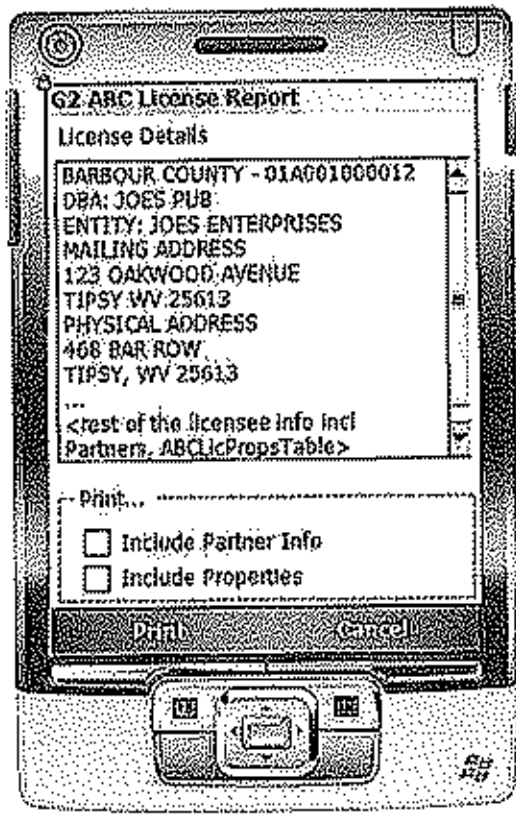


Figure 19 - ABCLicenseReport3

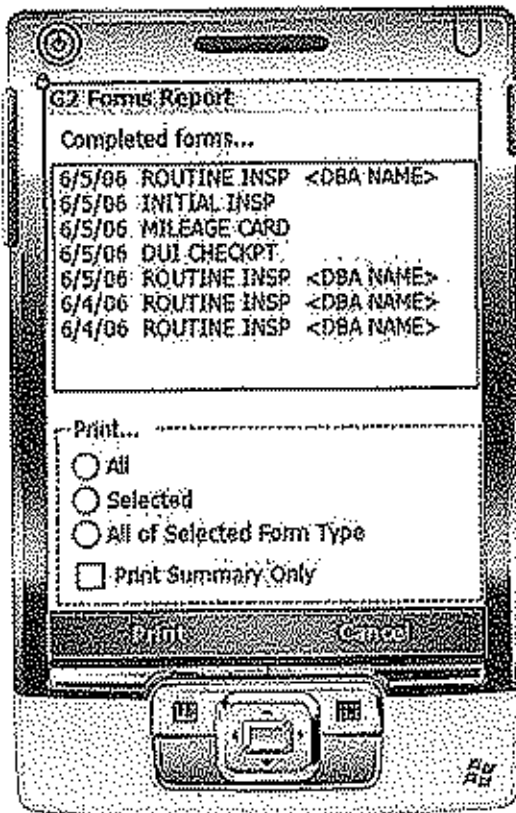


Figure 20 - FormsReport

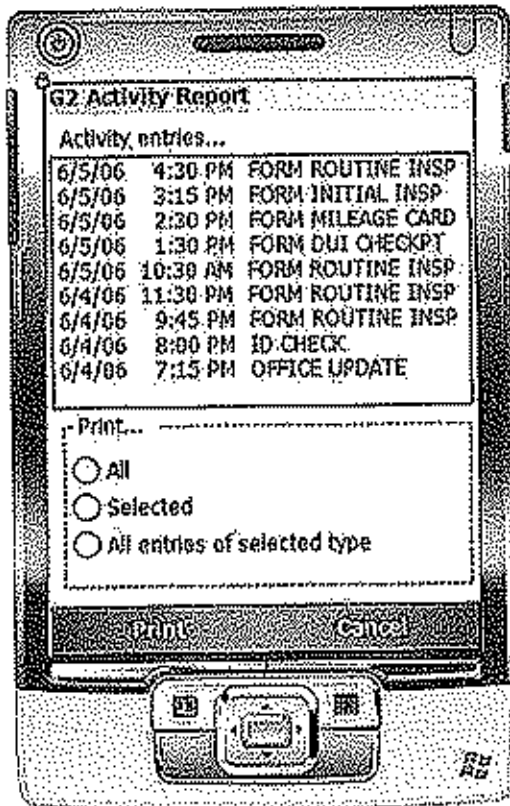


Figure 21 - ActivityReport

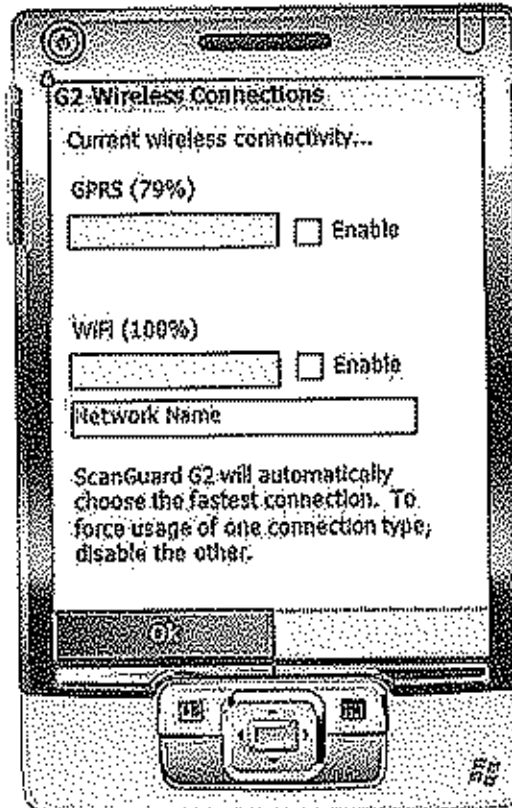


Figure 22 - ConfigWireless

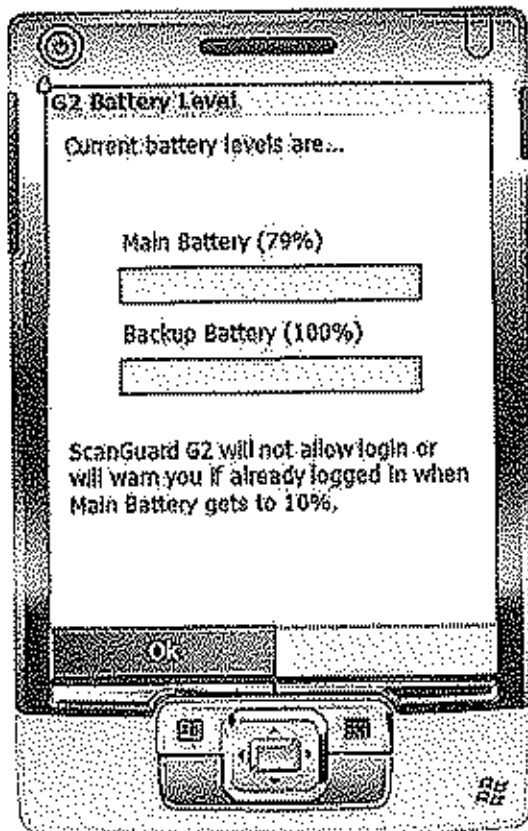


Figure 23 - BattLevel

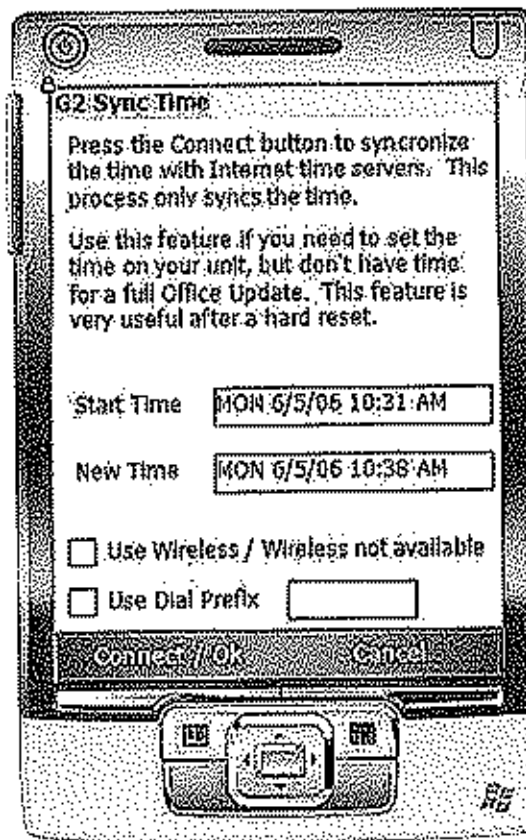


Figure 24 - SyncTime



Figure 25 - ResetBluetooth

Report: ABC License Report - Summary

West Virginia Alcohol Beverage Control Administration
Tuesday, June 06, 2006 7:33 PM - ABC Agent: Bob Barker (0034)

ABC License Report - Summary

Search criteria: Type = All On-Premise, All Active

License No	DBA Name	Status	City
01A001000012	Joes Pub	Active	Hilltown
Partner: 51%, Bob Billow, 8/2/1954, Charleston, WV, 304-345-1234			
Partner: 49%, Paula Townsend, 9/25/1974, Oak Hill, WV, 304-469-3333			
Property: HealthPermitChecked=True			
02A001000015	The X Club	Pending Renewal	Logan
Partner: 99%, Bob Billow, 8/2/1954, Charleston, WV, 304-345-1234			
Partner: 1%, Paula Townsend, 9/25/1974, Oak Hill, WV, 304-469-3333			
Property: HealthPermitChecked=False			

...
 ...

Total number of licenses = 999

Report: ABC License Report - Detailed

West Virginia Alcohol Beverage Control Administration
Tuesday, June 06, 2006 7:33 PM -- ABC Agent: Bob Barker (0034)

ABC License Report - Detailed

Search criteria: Type = All On-Premise, All Active, DBA Starts with 'Joe'

License No: 01A001000012
DBA Name: Joes Pub
Entity Name: Joes Enterprises

...
...

<every column in ABCLicTable>

Partner:51%, Bob Billow, 8/2/1954, SSN XXX-XX-1234
55 Brady Ln, Charleston, WV, 304-345-1234

Partner:49%, Paula Townsend, 9/25/1974, SSN XXX-XX-5544
344 Maple Rd, Oak Hill, WV, 304-469-3333

<next partner>

Property: HealthPermitChecked=True

<next property>

...
...

Total number of licenses = 999

Report: Activity Report

West Virginia Alcohol Beverage Control Administration
Tuesday, June 06, 2006 7:33 PM – ABC Agent: Bob Barker (0034)

Activity Report (All / Selected / All of Selected Type [Forms])

Date	Task Description	Licensee	County
06/05/06 11:30PM – 1:15AM	ID Check		Fayette
06/05/06 11:30PM – 11:30PM	Form: ID Check Mk	Joes Pub	Fayette
06/05/06 9:00PM – 11:30PM	Driving		Raleigh
06/05/06 8:30PM – 9:00PM	Lunch		Raleigh
06/05/06 8:00PM – 8:30PM	Driving		Mercer
06/05/06 7:15PM – 8:00PM	Form: Routine Insp	Joes Pub	Mercer
06/05/06 6:00PM – 6:15PM	Office Update		Mercer

Report: ID Check Report

West Virginia Alcohol Beverage Control Administration
Tuesday, June 06, 2006 7:33 PM - ABC Agent: Bob Barker (0034)

ID Check Report

Bob Reynolds	DOB: 99/99/1989 (Age 99)	SSN: xxx-xx-9999
123 Main Street	Scan: 99/99/2006	IDN: 99999999999
Oak Hill, WV 25901	Exp: 99/99/9999	Iss: 99/99/9999
	Sex: M	Eyes: Blue
	HT: 6' 04"	Hair: Blond
	WT: 185 lbs	Photo: Yes
	Mil: US Navy	Rank: Captain

Joe Bob	DOB: 99/99/1989 (Age 99)	SSN: xxx-xx-9999
123 Pine Street	Scan: 99/99/2006	IDN: 99999999999
Oak Hill, WV 25901	Exp: 99/99/9999	Iss: 99/99/9999
	Sex: M	Eyes: Blue
	HT: 6' 04"	Hair: Blond
	WT: 185 lbs	Photo: No
	Mil: n/a	Rank: n/a

...
...

Report: Forms Report - Summary

West Virginia Alcohol Beverage Control Administration
Tuesday, June 06, 2006 7:33 PM - ABC Agent: Bob Barker (0034)

Form Report - Summary

Note: Forms that have problems indicated are in bold.

Date	Form Description	Licensee	County	Pics
06/05/06 1:00PM	Routine Inspection	Joes Pub	Fayette	5
06/05/06 11:15AM	Initial Inspection	High Top Club	Fayette	10
06/05/06 9:00AM	Mileage Card	n/a	Raleigh	n/a

...

...

The G2 Admin system will allow our IT department to administer the ScanGuard G2 system databases. G2 Admin is a PC application that will access the databases on the SQL Server.

G2 Admin functions will include the ability to manage G2 Forms, as described in G2 Mobile System Specifications. The G2 Admin user will be able to setup new forms by describing the form options and by entering information about the questions to be posed on specific forms. G2 Admin only provides functionality to setup forms, NOT to view completed forms. The viewing of the collected data will be facilitated by G2 Reports, a web based application that is outside the scope of this RFQ.

User administration is also a function of G2 Admin. Adding, modifying and deleting users can be done. In addition, the assignment of the mobile device to the user is done here.

ScanGuard G2 is implementing Extended Properties also. There will be User Extended Properties and ABC License Extended Properties. These Extended Properties are name / value pairs providing extensibility (ie HealthPermitChecked=False). A G2 Form question may be conditional on one of these Extended Properties. G2 Admin provides a place to manage these properties.

G2 Admin also provides a simple interface to manage the other lookup tables.

There are functions to setup the initial databases and backup/restore functionality. It also provides an inquiry screen to view transactions, including errors.

The G2 Admin system will provide a user with the ability to produce reports regarding G2 Forms, users and transactions.

Detailed module specifications, screen specifications, screen layouts, database diagrams, data store specifications and development constraints have been attached.

Module Name: G2AdminMenu
Description: This is the menu on all G2 Admin screens.

Called by: none	Calls: Show() method of all the forms in G2 Admin
Input: None	Output: None
Type of Program Module <input type="checkbox"/> Online <input type="checkbox"/> Mobile <input checked="" type="checkbox"/> PC	Data Stores Affected: None

Program Logic:

Menu consists of the following options:

- **Mode**
 - G2 Summary shows G2Summary form
 - Forms Maintenance shows FormsMaint form
 - User Maintenance shows UserMaint form
 - Utilities shows Utilities form

- **Help**
 - About shows About form

Module Name: G2Summary
Description: Provides for user authentication and menu options.

Called by: Menu	Calls: GetDBInfo
Input: None	Output: None
Type of Program Module <input type="checkbox"/> Online <input type="checkbox"/> Mobile <input checked="" type="checkbox"/> PC	Data Stores Affected: None

Program Logic:

- Calls GetDBInfo which calls the appropriate SQL Server system stored procedure(s) to get the required information to populate the G2Summary screen.
- Calls GetTransactions to retrieve the last 30 days errors.
- Populates the G2Summary screen with this information.

Module Name: FormsMaint
Description: Tool to create / modify / delete G2 Forms.

Called by: Menu	Calls:
Input: None	Output: None
Type of Program Module <input type="checkbox"/> Online <input type="checkbox"/> Mobile <input checked="" type="checkbox"/> PC	Data Stores Affected: FormsTable, FormsDetailTable, AnsOptionsTable, QLinkTable (read write) AnsTypeTable, ABCLicenseTable, ABCLicPartnersTable, ABCPropsDefaultsTable, UserPropsDefaultsTable (read only)

Program Logic:

- Retrieves all of the Forms (active and not) from FormsTable.
- Display the list of Form Descriptions in the listbox.
- If a Form is selected in the listbox,
 - A G2Form object is instantiated and loaded with this Form's data.
 - This G2Form object's data will be loaded into the controls on the Form Info tab.
 - The information for the first question for in the G2Form object is loaded into the controls on the Form Questions tab.
- If the New button is clicked,
 - A blank G2Form object is instantiated.
 - The Form Info and Form Questions tabs are cleared of data.
 - The user prompt is placed in the Form Description textbox.
 - The user must enter info on the Form Info tab.
 - The user must enter info for at least one question on the Form Questions tab.
 - The FormID and QuestionID numbers will not be assigned until the new form is completed by pressing the Ok button. At that time, the data collected in the G2Form object is persisted to the database.
 - The Print button is disabled.
- If the Clone button is clicked, do the same as if the New were clicked, except preload the G2Form object with the data from the cloned form. The Clone button is disabled until a Form is selected.
- If the Delete button is clicked, verify that the Form is not active and the WhenRetired date is at least 30 days old before removing the Form from FormsTable and all tables that reference this FormID. The Delete button is disabled until a Form is selected.
- If the Ok button is clicked, the G2Form object is persisted to the database.
- If the Cancel button is clicked, the G2Form object is discarded and the Form Info tab and the Form Questions tab controls are initialized.
- The Print button on the Form Info tab allows the user to print the G2 Admin Form Report.

- The Back and Next buttons on the Form Questions tab allows the user to navigate thru the questions for the selected Form. If the user is creating a new Form, the Next button will clear the Form Questions tab so that the user can enter an additional question.
 - The Conditional group box
 - The Conditional group box holds the controls to indicate whether a question is asked conditionally. The top combobox allows the user to choose the type of data element the condition will be based on. The options in this combobox are License, User, Lic Ext Props, User Ext Props, and Prev Questions. This selection will dictate what is loaded in the Name combo box. If editing a Form, the Name, Value and Update controls are preloaded with the values from FormsDetailTable. Otherwise, either a New or Cloned Form will follow the rules below.
 - Preloading the Name combobox. If License, preload all of the column names of the ABCLicTable, and ABCLicPartnerTable. If User, preload all of the column names of the UserTable, and DeviceTable. If Lic Ext Props, preload all of the distinct values of LicPropName (ABCLicPropsDefaultTable) for the license types that apply to this question. If User Ext Props, preload all of the values of PropName (UserPropsDefaultTable). If Prev Question, preload Q1 thru Qx, where x is this question number -1. If this is QuestionID 1, do not preload anything.
 - Once the user chooses the Name of the data element to base the conditional question on, he must specify a value that the data element must equal when the question is to be posed.
 - The Update checkbox is only enabled if the top combobox is set to User Ext Props or Lic Ext Props. It specifies whether the value of the extended property for the specific user or license is updated when any G2 Mobile user answers the conditional question. If it is checked, then during G2 Mobile Office Update the appropriate Form9999AnsTable in the G2RepositoryDB will be checked for answers to this conditional question and the answer value will be moved to the extended property value (ABCLicPropsTable or UserPropsTable).
 - The Answer group box
 - The AnsTypeTable is used to populate the droplist so the user can select the type of answer this particular question has. If editing a Form, preload the droplist with the AnsTypeDesc and preload the Answer Options listbox from AnsOptionsTable. If the answer type is droplist, then the other controls are visible. If any other answer type, these are not visible. The other controls allow the user to specify what will be preloaded in the answer droplist for this question on G2 Mobile. See AnsOptionsTable.
 - The Applies To group box
 - The droplist is populated with ABCLicLWBTable. This contains one record for each license type.
 - Also, there is an ALL entry at the top of the droplist.
 - The user can then build a list of license types that this question applies to. This feeds the QLinkTable.

Module Name: UserMaint
Description: Tool to create / modify / delete G2 Mobile Users.

Called by: Menu	Calls:
Input: None	Output: None
Type of Program Module <input type="checkbox"/> Online <input type="checkbox"/> Mobile <input checked="" type="checkbox"/> PC	Data Stores Affected: UserTable, UserPropsTable, DeviceTable (read / write)

Program Logic:

- Retrieve all of the Users from UserTable.
- Display the list of User names in the listbox.
- If a User is selected in the listbox,
 - A G2User object is instantiated and loaded with this User's data (UserTable, UserPropsTable, and DeviceTable).
 - This G2User object's data will be loaded into the controls on all of the tabs on the right side of the screen.
- If the New button is clicked,
 - A blank G2User object is instantiated.
 - The tabs on the right are cleared of data.
 - The user prompt is placed in the Name textbox.
 - The user must enter info on all the tabs, User Info, Servers, Extended Properties, and Mobile Unit Assignment).
 - The UserID will not be assigned until the new User is completed by pressing the Ok button. At that time, the data collected in the G2User object is persisted to the database.
 - The Print button is disabled.
- If the Clone button is clicked, do the same as if the New were clicked, except preload the G2User object with the data from the cloned form, with the exception of Mobile Unit Assignment. The Clone button is disabled until a Form is selected.
- If the Delete button is clicked, verify that the User has no references to it in G2RepositoryDB. If no references to the user are found, delete the UserTable record and UserPropsTable records, as well as, setting the record in DeviceTable to UserID 0 (G2 Admin's user). The Delete button is disabled until a Form is selected.
- If the Ok button is clicked, the G2User object is persisted to the database.
- If the Cancel button is clicked, the G2User object is discarded and all the tab controls are initialized.
- The Print button on the User Info tab allows the user to print the G2 Admin User Report.
- The User Info tab contains feeder controls for UserTable and a report print option.
- The Servers tab also feeds the UserTable.
- The Extended Properties tab feeds the UserPropsTable.

- The Mobile Unit Assignment tab feeds the DeviceTable. The New button on this tab..... creates a new record with the next ID number and puts that number in the droplist next to the New button.

Program Specification

053

Module Name: Utilities
Description: Tool to create / modify / delete G2 Mobile Users.

Called by: Menu	Calls:
Input: None	Output: None
Type of Program Module <input type="checkbox"/> Online <input type="checkbox"/> Mobile <input checked="" type="checkbox"/> PC	Data Stores Affected: ABCLicTable, TranTable (read only) UserPropsDefaultsTable, ABCLicPropsDefaultsTable, ABCLicPropsTable, FundingTable, TaskTable, ABCLicStatusTable, CountyTable, VersionTable, UserTable (read write)

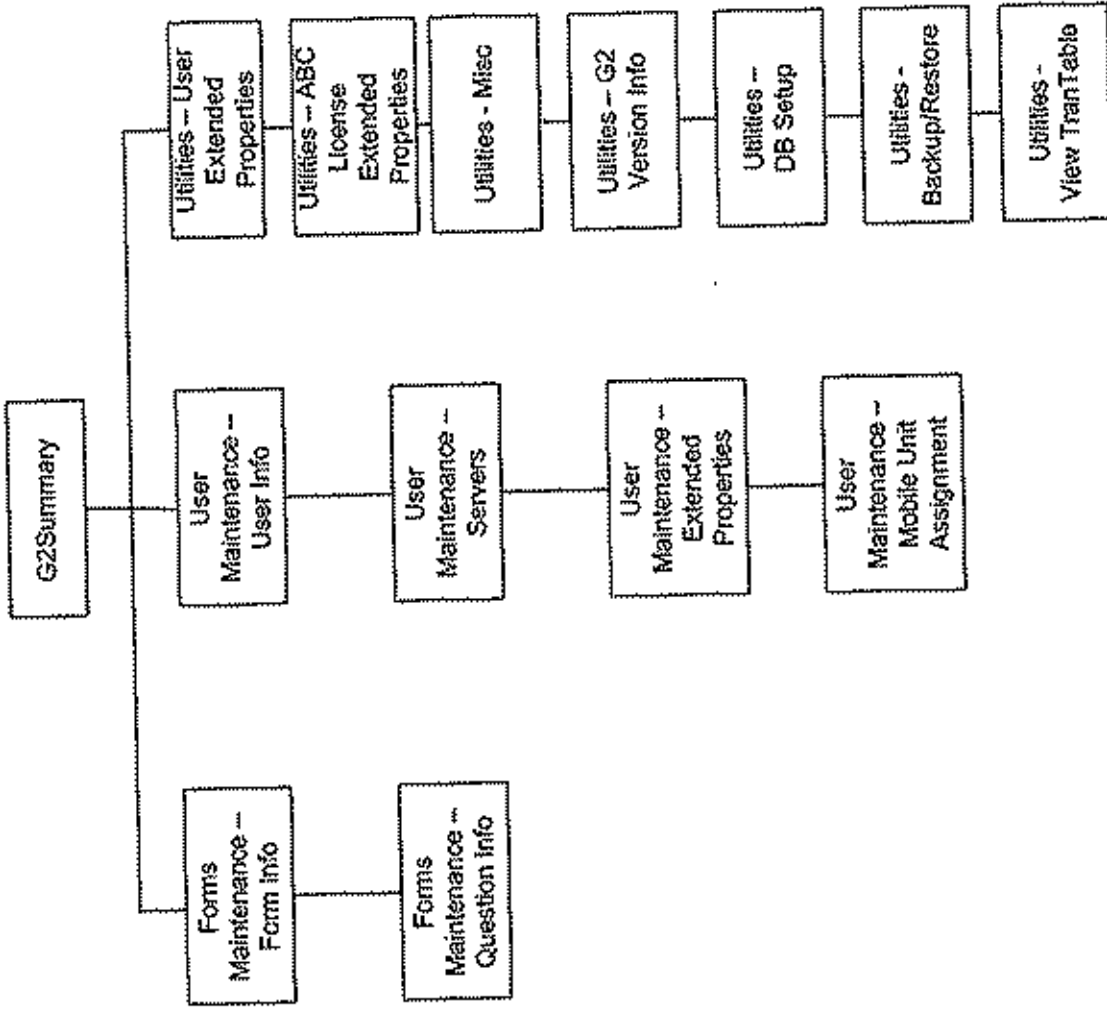
Program Logic:

- User Extended Properties tab feeds UserPropsDefaultsTable.
 - Upon clicking the tab, all records are loaded into the listbox.
 - The user can Add, Remove or modify existing records.
 - All changes are persisted back to the database upon clicking Save.

- ABC License Extended Properties tab feeds ABCLicPropsDefaultsTable and ABCLicPropsTable.
 - The ABC License Extended Properties and Applies To group boxes feed ABCLicPropsDefaultsTable. If a new extended property is added, add the ABCLicPropsDefaultsTable record and a record to the ABCLicPropsTable for each ABCLicense that meets the applicable license types. Setting the value to the default value specified.
 - The Specific ABC License Extended Properties group box feeds ABCLicPropsTable.
 - Upon clicking the tab, the ABC License Extended Properties listbox is loaded with all the distinct values of LicPropName (ABCLicPropsDefaultTable). Also, the ABC License Number droplist is preloaded with all license numbers from ABCLicTable. The Applies To group box is disabled until the user chooses one of the extended properties in the listbox above it.
 - When an extended property is selected from the listbox in the ABC License Extended Properties group box, the Applies To listbox is populated with all the license types associated with that Property (ABCLicPropsDefaultsTable).
 - If a user selects an ABC License number from the droplist, preload the Property Name droplist with all the Properties that apply to that license number (ABCLicPropsTable).
 - Clicking the Save button in the ABC Licenses Extended Properties group box, saves the data back to ABCLicPropsDefaultsTable.

- Clicking the Save button in the Specific ABC License Extended Properties group box, saves the data back to ABCLicPropsTable.
- Misc tab has 4 group boxes. Each of those feed different DB tables.
 - Each of the listboxes on this tab are loaded upon selecting this tab.
 - Activity Funding Sources group box feeds FundingTable.
 - Activity Tasks group box feeds TaskTable.
 - Counties group box feeds CountyTable.
 - ABC Lic Statuses group box feeds ABCLicStatusTable.
 - The Add and Remove buttons in each group box adds and removes rows from the associated listbox.
 - Each Save button saves the data in that group box back to the associated table.
- G2 Version Info tab feeds VersionTable.
 - Upon selecting this tab, the single VersionTable record is read and the textboxes are populated.
 - Either textbox can be modified.
 - Clicking Save will save the modified data back to VersionTable.
- DB Setup tab
 - SQL Server Settings group box feeds UserTable, UserID 0 record to be exact. This record is the G2 Admin user record. Only the SQL Server associated columns are updated by this groupbox. To modify other columns, use User Maintenance.
 - Setup Initial G2 Databases group box provides a process that will create from scratch both G2FrameworkDB and the G2RepositoryDB by clicking the Setup button. This is a non-destructive function, so if they already exist this function will fail and notify the user that they already exist.
- Backup / Restore tab
 - Backup group box provides a facility for the user to specify a directory to backup delimited text files. Within the directory specified by the user, Backup will create two subdirectories, G2FrameworkDB and G2RepositoryDB. Text files will be placed in the appropriate subdirectory.
 - Clicking Backup button starts the backup process of all tables.
 - Restore group box provides a facility for the user to restore files created by the companion Backup facility.
 - Clicking Restore button starts the restore process of all tables.
- View TranTable tab
 - The Errors Only checkbox is initially checked. The droplists across the top of the screen are set to "All", as to not filter out records.
 - The Show Last X Days droplist has the options 30, 60, 90, and 365. Initially it is set to 30.
 - If the user changes the values of the controls along the top of the screen to filter the results, clear the list and reload according to the specified criteria.
 - If Print is clicked, the contents of the list are printed as specified by G2 Admin TranTable Report.

G2 Admin Screen Layout



The screenshot shows a window titled "ScanGuard G2 Admin - G2 Summary". It contains two main sections: "G2 Database Summary" and "G2 Errors (past 30 days)".

G2 Database Summary

Database Server	Microsoft SQL Server Standard Edition
G2FrameworkDB	G2RepositoryDB
Number of Users: 12	Number of Users: 8
Size of DB: 114.79MB	Size of DB: 872.25MB

G2 Errors (past 30 days)

Date / Time	User	Form Name	Module	Error No	Message
06/15/2000 4:37PM	Bob Barker	OfficeUpdate	SyncNTP	123456789	Winsock connect failed

Connecting... / Connected / Cannot connect to database server: ABCDB1.

ScanGuard G2 Admin - Forms Maintenance

Form Info Form Questions

G2 Forms

- DUI Checkpoint
- Initial Inspection
- Miscage Card
- Routine Inspection
- Violation

FormID: 0001 has 234 questions.

Description: Routine Inspection

Is Based on ADC License

Optional Pictures

Show Problems checkbox on comment screen

Option to Print

Status:

Active

Created by: Randy

When Created: 06/15/2006 11:05AM

When Retired: 06/15/2006 11:05AM

Print:

Summary

Detail

All Forms

Print

Next Close Delete Ok Cancel

Connecting / Connected / Cannot connect to database server: A0C001

ScanGuard G2 Admin - User Maintenance

View: HTML

G2 Mobile Users

- 0001 Billy Bob
- 0002 Joe Bob
- 0003 Bob Baker
- 0004 Steve Deiner
- 0005 Bill Gibson
- 0008 Umas Torvalds

User Info | Servers | Extended Properties | Mobile Link Assignment

UserID: 0001

Name: Billy Bob

Region No:

--- WWAN Settings ---

Access Point:

Username:

Password:

Enable Cell Phone

IsAdmin

--- Data/ISP Settings ---

Disable Cell Waiting

Phone No 1:

Phone No 2:

Username:

Password:

Print

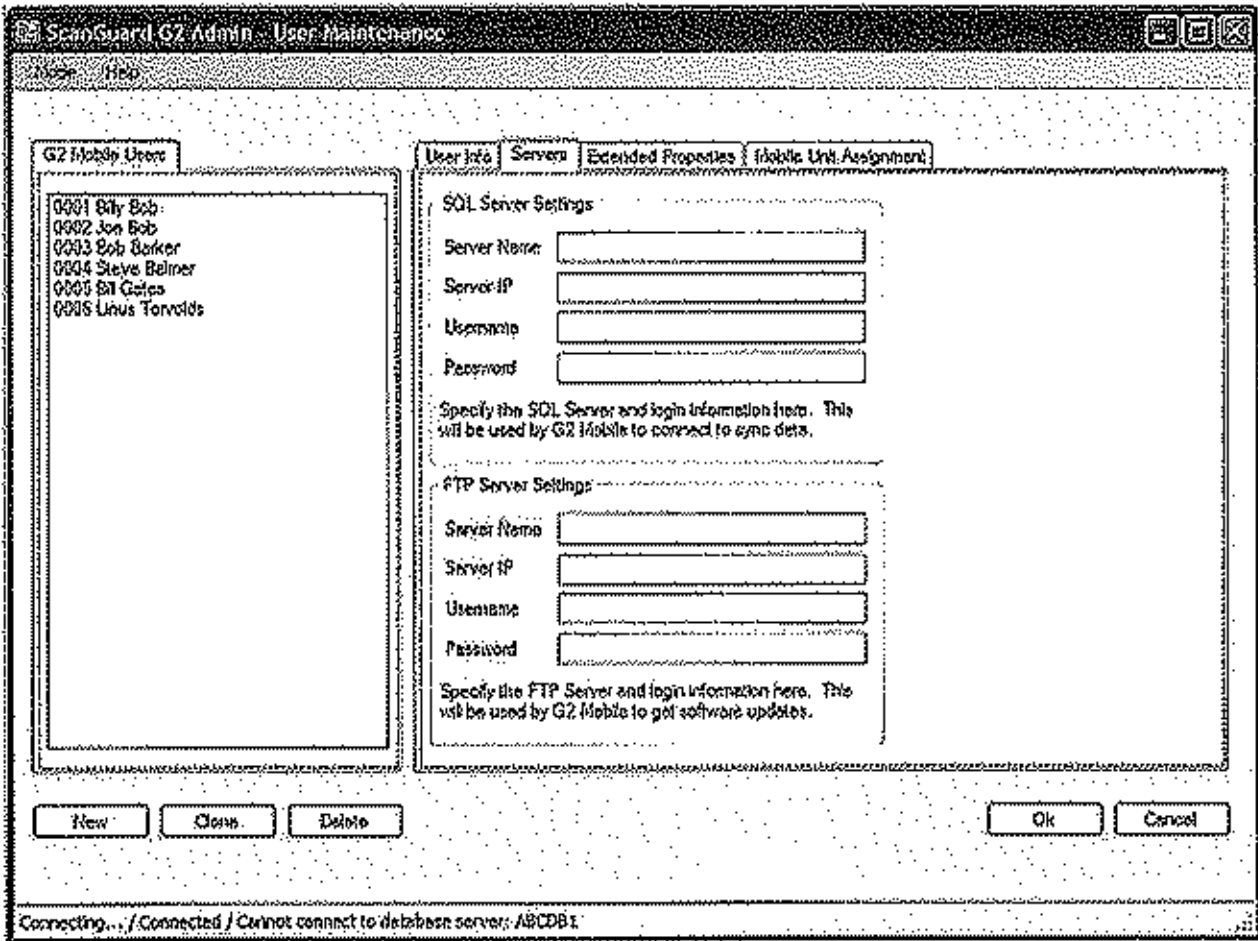
- Summary
- Detail
- All Users

Print...

New Clone Delete

OK Cancel

Connecting... / Connected / Cannot connect to database server: ABCDB1



ScanGuard G2 Admin - User Maintenance

File Help

G2 Mobile Users

- 0001 Billy Bob
- 0002 Jan Bob
- 0003 Bob Barker
- 0004 Steve Belmer
- 0005 Bill Gates
- 0006 Umar Torvalds

User Info | Servers | Extended Properties | Mobile User Assignment

Property Name: Property Value:

Extended properties are used to assign additional name/value pairs to users. These extended properties can be referenced in a conditional expression to determine whether a question on any particular G2 Form is posed or not in G2 Mobile.

To add a new name/value pair to all users, utilize the User Extended Properties tab.

New Clean Delete Ok Cancel

Connecting... / Connected / Cannot connect to database server: ABCDB1

ScanGuard G2 Admin - User Maintenance

Mode Help

G2 Mobile Users

- 0001 Billy Bob
- 0002 Joe Bob
- 0003 Bob Barker
- 0004 Steve Palmer
- 0005 Bill Gates
- 0006 Unis Torvalds

User info | Servers | Extended Properties | Mobile Unit Assignment

Mobile UnitID: 0001 [v] New Is Active

Assignment Date: Monday, June 19, 2006 [v]

Asset Tag Number: []

New Clone Delete Ok Cancel

Connecting... / Connected / Cannot connect to database server: ABCDB1

ScanGuard G2 Admin - Utilities

Node: ABC

User Extended Properties | ABC License Extended Properties | Misc | G2 Version Info | DB Setup | Backup / Restore | New TranTable

Property Name	Default Property Value
HomePhone	304
StateCar/Make	Jeep
HomeCounty	Kaneisha

Add

Remove

Save

Extended properties are used to assign additional name/value pairs to users. These extended properties can be referenced in a conditional expression to determine whether a question on any particular G2 Fish is posed or not in G2 Mobile.

How you can add, delete, or change default values for User Extended Properties. To change a value of an extended property for an individual user, go to User Maintenance.

Connecting... / Connected / Cannot connect to database server: ABCDB1

ScanGuard G2 Admin - Utilities

Mode Help

User Extended Properties ABC License Extended Properties Misc G2 Version Info DB Setup Backup / Restore View Transitions

ABC License Extended Properties

Property Name	Default Property Value	
HealthPermitChecked	False	<input type="button" value="Add"/>
FirePermitChecked	False	<input type="button" value="Remove"/>
BuildingConstruction	False	<input type="button" value="Save"/>
HandicapAccessibln		
BuildingCapacity		

Apply to:

A001 Tavern

A001 - Tavern
A212 - Private Club
W001 - Brewer Importer
T010 - Wine Distributor

Specific ABC License Extended Properties

ABC License Number: 01A001000012

Property Name:

Property Value:

Extended properties are used to assign additional name/value pairs to ABC licenses. These extended properties can be referenced in a conditional expression to determine whether a question on any particular G2 Form is posed or not in G2 Mobile.

Here you can add, delete, or change default values for ABC License Extended Properties. You can also set a value for an Extended Property for a specific ABC License above.

Connecting... | Connected | Cannot connect to database server: ABCDB1

Scan Guard G2 Admin - Utilities

File Help

User Extended Properties | ABC License Extended Properties | Misc | G2 Version Info | DB Setup | Backup / Restore | New TranTable

Activity Funding Sources

ID	Description
1	Regular
2	Regular Overtime
3	Underage OT
4	Grant STZ

Counties

ID	Description
1	Barbour
2	Bradley
3	Boone
4	Cabell

Activity Tasks

ID	Description	IsG2Task
1	ID Check	True
2	G2 Forms	True
3	Office Update	True
4	Syno Time	True
12	Driving	False
13	Meeting	False

ABC Lic Statuses

ID	Description	IsActive
1	New App	False
3	Active	True
11	Paid New App	False
13	Pending Renewal	True
22	Hold	True

Connecting... / Connected / Cannot connect to database server: ABCDB1

ScanGuard G2 Admin - Utilities

Mode: Web

User Extended Properties | ABC License Extended Properties | Misc | **G2 Version Info** | DB Setup | Backup / Restore | View Test Table

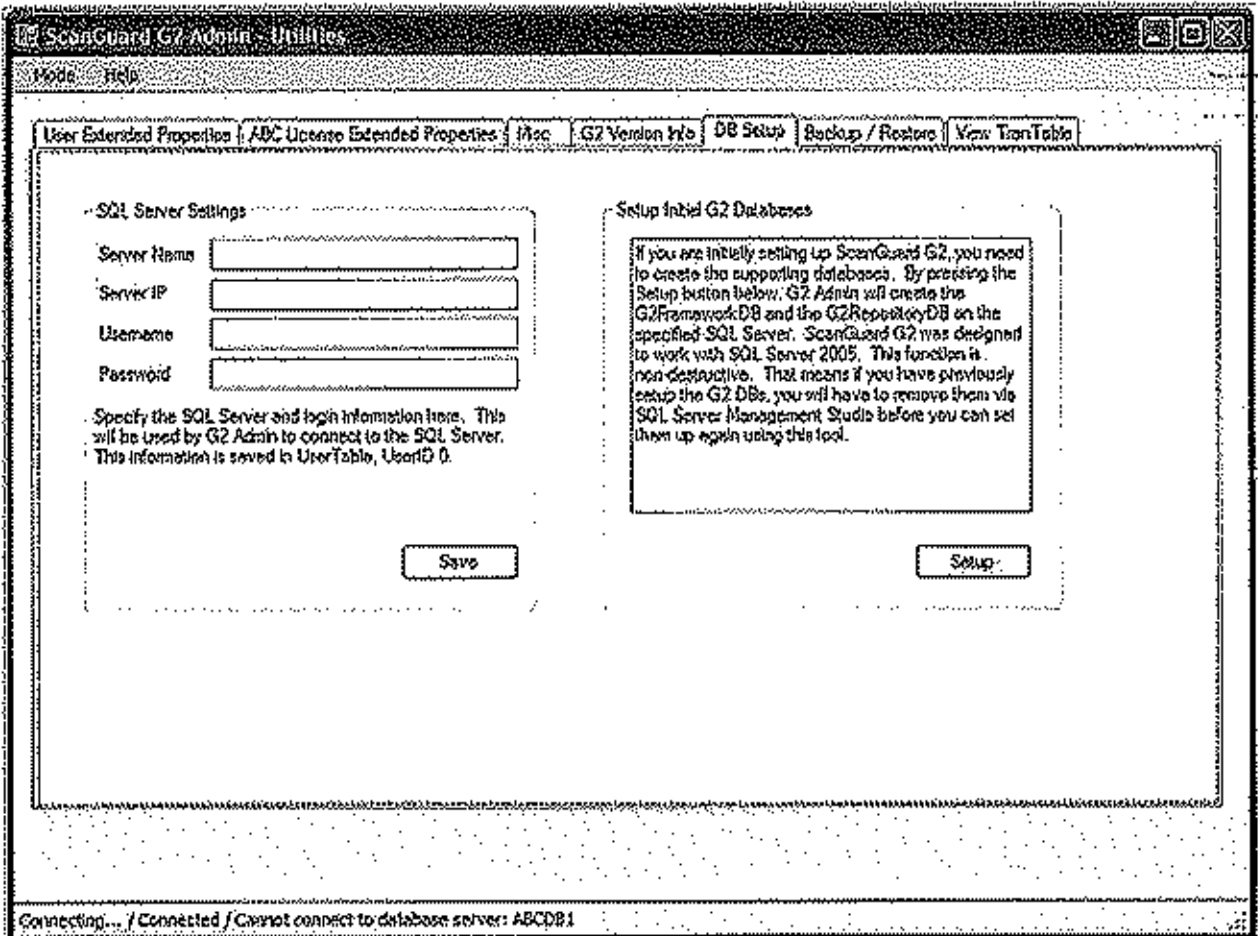
Latest G2 Mobile Software Version:

Latest G2 Database Version:

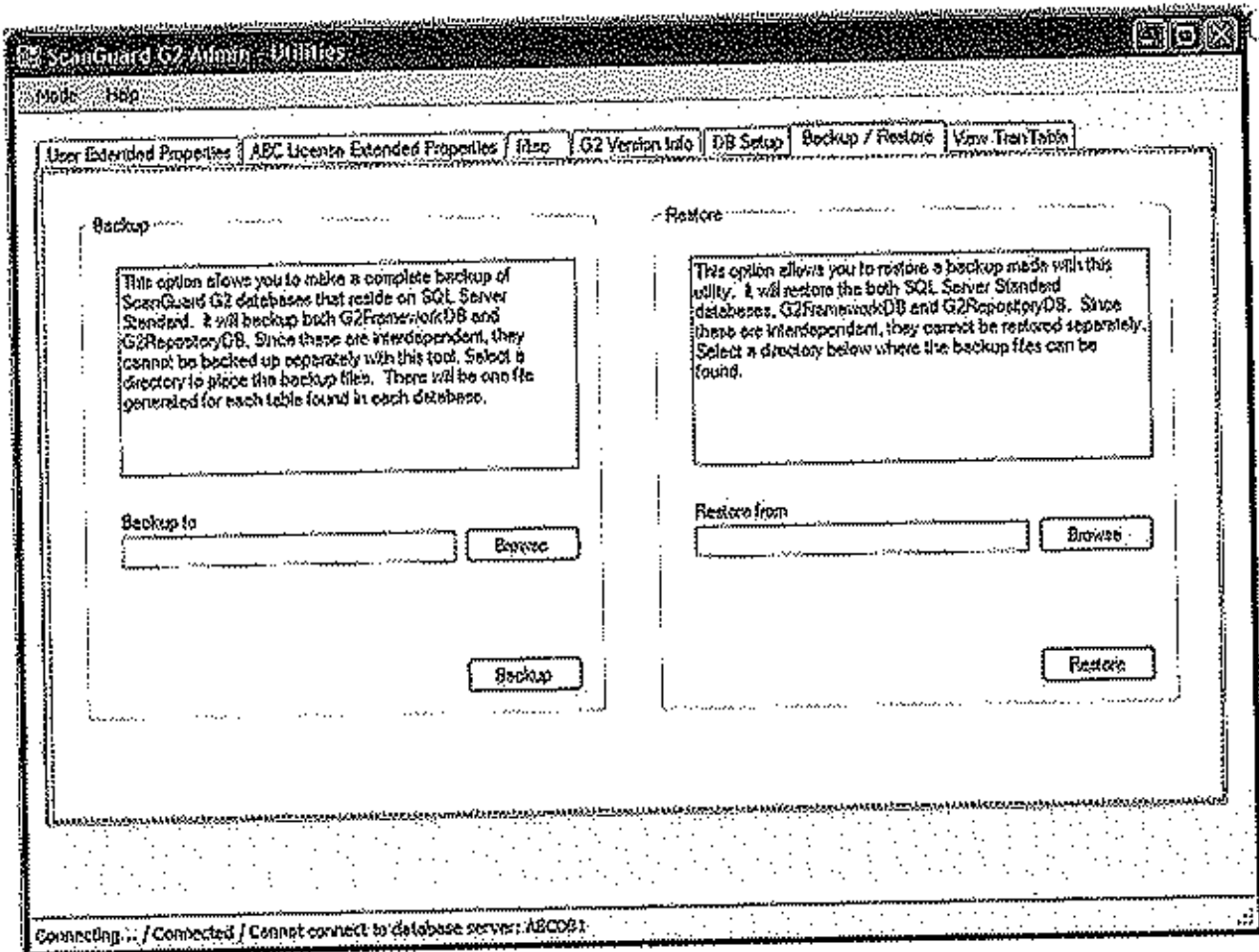
The G2 Mobile Software Version is specified so that each G2 Mobile unit can compare the running version of G2 Mobile with the Latest Version. If they differ, G2 Mobile will download the latest version from the FTP server.

The G2 Database Version is specified for informational purposes only. Nothing in G2 Mobile even looks at the database version.

Connecting... / Connected / Cannot connect to database server: ABC001



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ScanGuard G2 Admin - Utilities

Mode: Help

User Extended Properties | ABC License Extended Properties | Misc | G2 Version Info | EB Setup | Backup / Restore | View Tran Table

View unfiltered transactions, or select one or more of the following filters.

Errors Only User: All Form: All Mode: All

Date / Time	User	URL	Form	Mode	Error No	Message
06/12/2006 9:45PM	Bob Becker (0023)	0012	OfflineUpdate	SyncNTP	34324325	Winsock error

Show last: 30 days Errors are shown in bold

Connecting... / Connected / Cannot connect to database server: ABCDB1

Report: G2 Forms Report - Summary

G2 Forms Report - Summary

6/15/2006 11:07AM

Active Forms

<FormID>	<FormDesc>
<FormID>	<FormDesc>
<FormID>	<FormDesc>
<FormID>	<FormDesc>

Inactive Forms

<FormID>	<FormDesc>
<FormID>	<FormDesc>
<FormID>	<FormDesc>
<FormID>	<FormDesc>

(sorted in Active/Inactive, FormDesc ascending order)

Report: G2 Forms Report - Detailed

G2 Forms Report - Summary

6/15/2006 11:07AM

Active Forms

<FormID> <FormDesc>

Created by: Randy 06/11/2006 11:24AM
 IsBasedOnABCLic=True, OptionalPictures=True, OptionToPrint=True,
 OptionalHadProblems=True

<QID> <QuestionText>

AnsType=<AnsTypeID> <AnsTypeDesc>
 AnsOptions=<AnswerText>, <AnswerText>, ...
 IsConditional=true, CondName=GetLicExtProp(HealthPermitChecked)
 UpdateProperty=true CondValue=False

<QID> <QuestionText>

AnsType=<AnsTypeID> <AnsTypeDesc>
 AnsOptions=<AnswerText>, <AnswerText>, ...
 IsConditional=true, CondName=GetLicExtProp(HealthPermitChecked)
 UpdateProperty=true CondValue=False

...

Inactive Forms

<FormID> <FormDesc>

Created by: Randy 06/11/2006 11:24AM
 Ret: 06/11/2006 11:24AM, New FormID: <NewFormID>
 IsBasedOnABCLic=True, OptionalPictures=True, OptionToPrint=True,
 OptionalHadProblems=True

<QID> <QuestionText>

AnsType=<AnsTypeID> <AnsTypeDesc>
 AnsOptions=<AnswerText>, <AnswerText>, ...
 IsConditional=true, CondName=GetLicExtProp(HealthPermitChecked)
 UpdateProperty=true CondValue=False

<QID> <QuestionText>

AnsType=<AnsTypeID> <AnsTypeDesc>
 AnsOptions=<AnswerText>, <AnswerText>, ...
 IsConditional=true, CondName=GetLicExtProp(HealthPermitChecked)
 UpdateProperty=true CondValue=False...

(sorted in Active/Inactive, FormDesc ascending order)

G2 Admin Reports

072

Report: User Report - Summary

User Report - Summary

6/15/2006 11:07AM

UserID	Full Name	CallWait	EnableCell	IsAdmin
0023	Bob Barker	True	False	False

...

Report: User Report - Detailed

User Report -- Detailed

6/15/2006 11:07AM

UserID	Full Name	CallWait	EnableCell	IsAdmin
0023	Bob Barker RegionNumber=5 CallWaitDisableString=*70 DialupISPPhone1=1234567899 ... the rest of the UserTable columns are listed... UnitID=0002 WhenAssigned=6/15/2006 11:07AM IsActive=True StateTagNo=8859 (the above are columns from DeviceTable for this user)	True	False	False

... Next user...

(sort by Full Name ascending order)

Report: TranTable Report

TranTable Report

6/15/2006 11:07AM

Date / Time	User	Unit	Form	Module	Error Number
6/15/2006 11:07AM	Bob Barker	0023	SyncTime	GetNTP	4654687984

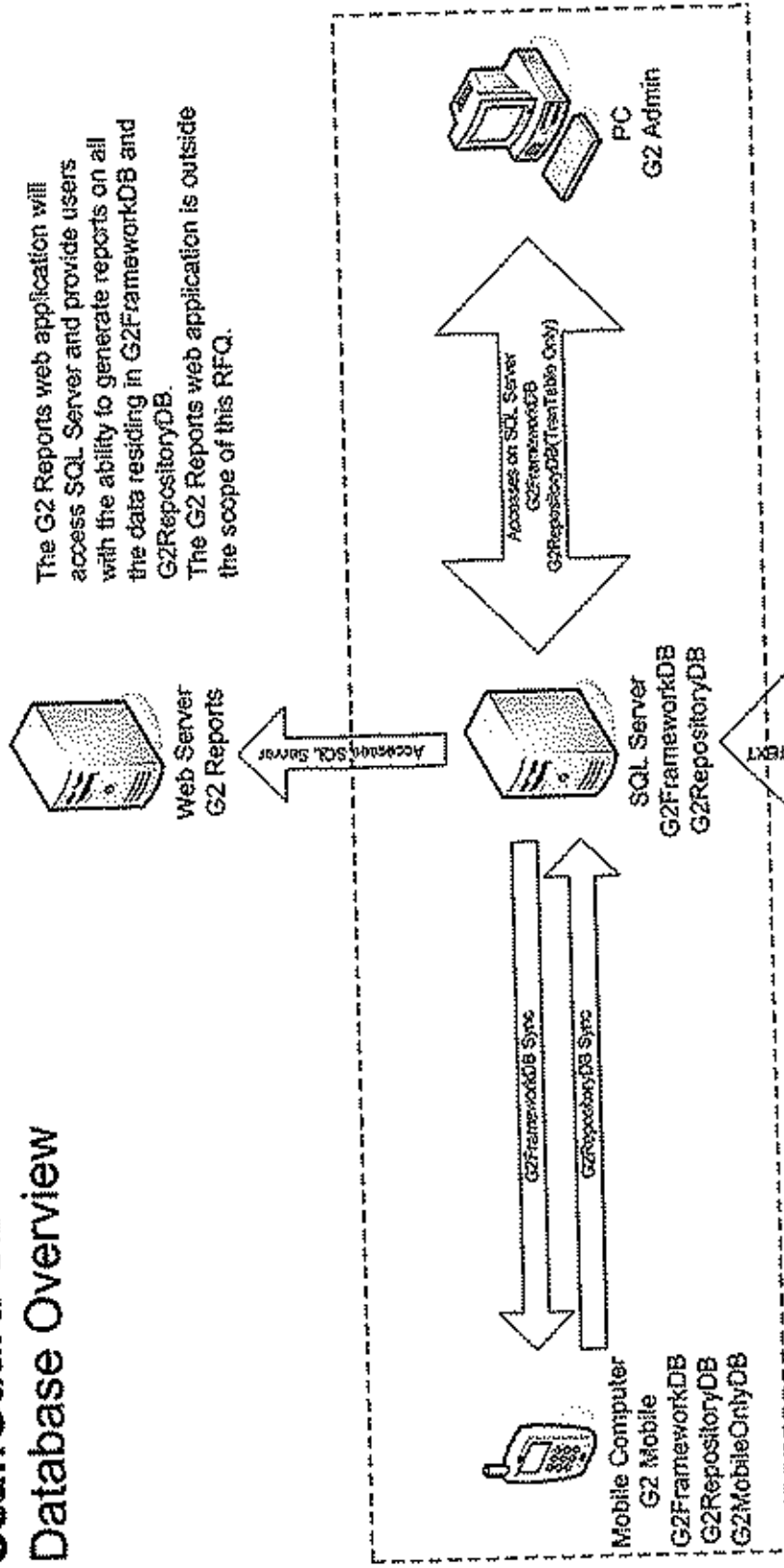
Msg: Winsock error when trying to climb a tree

...

...

(sort chronologically)

ScanGuard G2 Database Overview



The G2 Reports web application will access SQL Server and provide users with the ability to generate reports on all the data residing in G2FrameworkDB and G2RepositoryDB. The G2 Reports web application is outside the scope of this RFQ.

--- Scope of this RFO ---

Programs on the UNIX server will create delimited text files and place them in a Windows file share that is accessible to SQL Server. SQL Server must check this file location every 15 minutes to see if there are updates to incorporate into the G2FrameworkDB tables ABCLicTable, ABCLicPartnersTable, and ABCLicLWBTable.

These UNIX programs are outside the scope of this RFQ. The creation of the SQL process mentioned IS part of this RFQ.

G2FrameworkDB

FormTable	
PK FormID	INTEGER
FormDesc	VARCHAR(50)
IsActive	BIT
WhenResized	DATEIME
NewFormID	INTEGER
CreatedBy	VARCHAR(50)
WhenCreated	DATEIME
IsBasedOnABCLic	BIT
OptionalPictures	BIT
OptionsToPrint	BIT
OptionsAsHeadProblems	BIT

FormsDetailTable		
PK,FK5	FormID	INTEGER
PK	QuestionID	INTEGER
FK4	QuestionText	VARCHAR(100)
	AnsTypeID	INTEGER
	IsConditional	BIT
	CondName	VARCHAR(20)
	CondValue	VARCHAR(20)
	UpdateProperty	BIT

AnsTypeTable		
PK	AnsTypeID	INTEGER
	AnsTypeDesc	VARCHAR(10)
	EnableScanner	BIT

AnsOptionsTable		
PK,FK1	FormID	INTEGER
PK,FK1	QuestionID	INTEGER
PK	AnsOptionID	INTEGER
	AnsOptionText	VARCHAR(20)

FundingTable		
PK	FundingID	INTEGER
	FundingDesc	VARCHAR(20)

CountyTable		
PK	CountyID	INTEGER
	CountyName	VARCHAR(20)

CLinkTable		
PK,FK1	FormID	INTEGER
PK	QuestionID	INTEGER
PK	LicType	CHAR(1)
PK	LYBLicDesc	CHAR(1)
PK	LWIDWine	CHAR(1)
PK	LYRBase	CHAR(1)

TaskTable		
PK	TaskID	INTEGER
	TaskDesc	VARCHAR(50)
	IsG2Task	BIT

ABCUsrPropsDefaultTable		
PK	LicType	CHAR(1)
PK	LYRLicense	CHAR(1)
PK	LWIDWine	CHAR(1)
PK	LYRBase	CHAR(1)
PK	LicPrdName	VARCHAR(20)
	DefaultValue	VARCHAR(20)

VersionTable		
PK	G2ModuleSystemID	VARCHAR(15)
	G2DEVersion	VARCHAR(15)

UserTable		
PK	UserID	INTEGER
	Password	VARCHAR(4)
	FullName	VARCHAR(25)
	RegionNumber	INTEGER
	DisableCarryWaiting	BIT
	CarryWaitingDisableString	VARCHAR(5)
	DesktopSPPhone1	VARCHAR(15)
	DesktopSPPhone2	VARCHAR(15)
	DialupISPLogin	VARCHAR(25)
	DialupSPPassword	VARCHAR(25)
	WWANAccessPointName	VARCHAR(50)
	WWANUsername	VARCHAR(50)
	WWANPassword	VARCHAR(50)
	SQLServer	VARCHAR(15)
	SQLServerIP	VARCHAR(15)
	SQLUsername	VARCHAR(15)
	SQLPassword	VARCHAR(25)
	FTPServer	VARCHAR(50)
	FTPServerIP	VARCHAR(15)
	FTPUsername	VARCHAR(15)
	FTPPassword	VARCHAR(15)
	IsAdminUser	BIT
	EnableCellPhone	BIT

DeviceTable		
PK	DeviceID	INTEGER
	WhenAssigned	DATEIME
	IsActive	BIT
	StateTagNo	VARCHAR(6)
	UserID	INTEGER

UserPropsTable		
PK,FK1	UserID	INTEGER
PK	UserPropName	VARCHAR(20)
	UserPropValue	VARCHAR(20)

UserPropsDefaultTable		
PK	PropName	VARCHAR(20)
	PropValue	VARCHAR(20)

G2FrameworkDB continued

ABCLicTable1	
PK	LicNumber VARCHAR(12)
	LicControlYear INTEGER
	LicControlNumber INTEGER
	LicDBA VARCHAR(60)
	LicEntity VARCHAR(60)
	LicStatusNumber INTEGER
	LicStatusDate DATETIME
	LicExpiresDate DATETIME
	LicPhone VARCHAR(10)
	LicMailStreet1 VARCHAR(30)
	LicMailStreet2 VARCHAR(30)
	LicMailCity VARCHAR(20)
	LicMailState VARCHAR(2)
	LicMailZip VARCHAR(5)
	LicPhysStreet1 VARCHAR(30)
	LicPhysStreet2 VARCHAR(30)
	LicPhysCity VARCHAR(20)
	LicPhysState VARCHAR(2)
	LicPhysZip VARCHAR(5)

ABCLicPropsTable1	
PK	LicNumber VARCHAR(12)
PK	LicPropName VARCHAR(20)
	LicPropValue VARCHAR(20)

ABCLicStatusTable1	
PK	LicStatusNumber INTEGER
	LicStatusDesc VARCHAR(25)
	IsActive BIT

ABCLicLWTable1	
PK	LicType CHAR(1)
PK	LWBLicuzr CHAR(1)
PK	LWBLicWind CHAR(1)
PK	LWBLicBaseL CHAR(1)
	LWSDescription VARCHAR(50)

ABCLicPartnersTable1	
PK	PartnerID INTEGER
FK1	LicNumber CHAR(12)
	PartnerTitle VARCHAR(2)
	PartnerLName VARCHAR(20)
	PartnerFName VARCHAR(20)
	PartnerStreet VARCHAR(30)
	PartnerCity VARCHAR(20)
	PartnerState VARCHAR(2)
	PartnerZip VARCHAR(5)
	PartnerPhone VARCHAR(10)
	PartnerSSN VARCHAR(9)
	PartnerDOB DATETIME
	PartnerOwnerPct NUMERIC(4,1)

G2RepositoryDB

ActivityTable	
PK	<u>ActivityStart</u>
PK	<u>UserID</u>
	UnitID
	ActivityEnded
	CountyID
	FundingID
	Comment
	TaskID
	IsAutoEntry
	FormID
	INTEGER
	DATE TIME
	INTEGER

TranTable	
PK	<u>TranDateTime</u>
PK	<u>UserID</u>
	UnitID
	IsError
	FormName
	ModuleName
	ErrorNumber
	Message
	INTEGER
	BIT
	VARCHAR(50)
	VARCHAR(50)
	VARCHAR(50)
	VARCHAR(50)

FormPictures	
PK	<u>WhenFormStarted</u>
PK	<u>UserID</u>
PK	<u>FormID</u>
PK	<u>PictureID</u>
	PictureData
	DATE TIME
	INTEGER
	INTEGER
	INTEGER
	VARBINARY(99999)

Form Answer Tables

Form001AnsTable	
PK	<u>WhenFormStarted</u>
PK	<u>UserID</u>
	WhenFormCompleted
	ABCLicNumber
	ABCLicWasScanned
	WasPosedQID001
	AnsQID001
	WasPosedQID999
	AnsQID999
	WasPrinted
	HasPictures
	Comment
	HadProblems
	DATE TIME
	INTEGER
	DATE TIME
	VARCHAR(12)
	BIT
	BIT
	DATE TIME
	BIT
	INTEGER
	BIT
	BIT
	VARCHAR(5000)
	BIT

Form002AnsTable	
PK	<u>WhenFormStarted</u>
PK	<u>UserID</u>
	WhenFormCompleted
	ABCLicNumber
	ABCLicWasScanned
	WasPosedQID001
	AnsQID001
	WasPosedQID999
	AnsQID999
	WasPrinted
	HasPictures
	Comment
	HadProblems
	DATE TIME
	INTEGER
	DATE TIME
	VARCHAR(12)
	BIT
	BIT
	DATE TIME
	BIT
	INTEGER
	BIT
	BIT
	VARCHAR(5000)
	BIT

Form9999AnsTable
Where 9999 is the number of Forms registered with SGAdmin

G2MobileOnlyDB

UnitIDTable	
PK	UnitID INTEGER

IDScanTable	
PK	ScanDate UserID
	IDNumber Name Address1 Address2 City State Zip DOB Expires Issued Height Weight Sex Military Rank SSN Hair Eyes PhotoData
	DATE TIME INTEGER VARCHAR(30) VARCHAR(60) VARCHAR(30) VARCHAR(30) VARCHAR(20) VARCHAR(2) VARCHAR(11) DATE TIME DATE TIME DATE TIME VARCHAR(6) INTEGER VARCHAR(6) VARCHAR(10) VARCHAR(10) VARCHAR(11) VARCHAR(10) VARCHAR(10) BINARY(9999)

Data Store Description Form

080

ID 1

Name FormsTable

Description: One record per form. Each form represents a questionnaire that can be completed by a G2 Mobile user (inspector).

File Format: Database ASCII Text File
DB / File Name: G2FrameworkDB

Primary Key: FormID
Foreign Keys:

Comments:

This table holds one record per form that will be available to the ABC inspectors. Each form record represents a questionnaire that the inspector will be able to choose to complete. Only those forms that are active (IsActive=True) will be given to the inspector (G2Mobile user) as option.

Column	Description
FormID	Identity set in this table.
FormDesc	The name of the form (ie Routine Inspection)
IsActive	Is the form ready for use
WhenRetired	If IsActive=False, show datetime when form was decommissioned
NewFormID	If IsActive=False and WhenRetired is set, holds replacing FormID
CreatedBy	Windows/Domain username of user that created the form
WhenCreated	The datetime of form creation
IsBasedOnABCLic	If true, G2 Mobile will begin the form with the ABCLicScanForm, requiring the user to scan an ABC License prior to continuing with the form.
OptionalPictures	If true, G2 Mobile will give the user the option of associating digital pictures with this form.
OptionToPrint	If true, G2 Mobile will give the user the option to print this form to the G2 Mobile printer.
OptionalHadProblems	Give the inspector the option to print check a box indicating that one or more answers represent problems.

Data Store Description Form

ID 2
Name FormsDetailTable
Description: One record per question per form.

081

File Format:	[X] Database	[] ASCII Text File
DB / File Name:	G2FrameworkDB	
Primary Key:	FormID, QuestionID	
Foreign Keys:	FormID, AnsTypeID	

Comments:

This table holds one or more records for each record found in FormsTable. The data in this table defines the questions to be asked when a specific form is rendered by G2 Mobile. This table does not contain the data collected by the inspector by completing a particular form. That collected data is kept in a table specifically for the answers for that form.

Column	Description
FormID	Identity set in FormsTable
QuestionID	Identity set in this table
QuestionText	The question text to be rendered by G2 Mobile
AnsTypeID	Identity set in AnsTypeTable. Indicates what type of answer control is specified for this question
IsConditional	If true, the ConditionalExpr must be evaluated to determine if this question is applicable. If the ConditionalExpr is true, G2 Mobile will pose the question.
CondName	CondName and CondValue represent a simple conditional expression. Does CondName = CondValue.
CondValue	This conditional expression can look to three possible sources of information: Answers to questions already posed in this instance, User information (UserTable, UserPropsTable, DeviceTable), and ABC License info (ABCLicTable, ABCLicPartnersTable, ABCLicStatusTable, ABCLicPropsTable). An example of a conditional expression could be: QID004=True LicPhysZip="25304" GetLicPropValue("HealthPermitChecked")=False GetUserPropValue("MilageCardCompleted")=False

Only one name, value comparison can happen for any one question. In the future, this will be extended to deal with complex conditional expressions.

Having the condition expression provides the possibility of conditional questions. That coupled with the two extensible properties tables (ABCLicPropsTable and UserPropsTable), ScanGuard G2 takes extensibility to a new level.

ID 3
Name AnsTypeTable
Description: One record per answer type (i.e. checkbox, droplist, signature, etc)

File Format: Database ASCII Text File
DB / File Name: G2FrameworkDB

Primary Key: AnsTypeID
Foreign Keys:

Comments:

Distinct Values will be:

- 0 – Checkbox, EnableScanner=False
- 1 – Drop list, EnableScanner=False
- 2 – Textbox, EnableScanner=False
- 3 – Textbox w/scan, EnableScanner=True
- 4 – DateTimePicker, EnableScanner=False
- 5 – ID Scan, EnableScanner=True
- 6 – Signature, EnableScanner=False

Column	Description
AnsTypeID	Identity set in this table
AnsTypeDesc	Name of answer type (checkbox, drop list, textbox, etc)
EnableScanner	If true, the imager is enabled so that a barcode can be input.

ID 4

Name AnsOptionsTable

Description: One record per answer option. Each represents data to be loaded into a drop list.

File Format:	<input checked="" type="checkbox"/> Database	<input type="checkbox"/> ASCII Text File
DB / File Name:	G2FrameworkDB	

Primary Key:	FormID, QuestionID, AnswerID
Foreign Keys:	FormID, QuestionID

Comments:

This table is used to store pre-loaded answers into the drop lists of questions that use AnsTypeID of 1 – Drop list. This provides for multiple choice answers.

<u>Column</u>	<u>Description</u>
FormID	FormID identifying the form
QuestionID	QuestionID identifying the question
AnswerID	Identity for one of several possible answers to the question
AnswerText	The possible answer

ID 5
Name QLinkTable
Description: One record per valid ABC License type, FormID, QuestionID combination.
 Some questions pertain only to certain license types. A question dealing with Wine would not be asked of a Beer Only Tavern.

File Format:	<input checked="" type="checkbox"/> Database	<input type="checkbox"/> ASCII Text File
DB / File Name:	G2FrameworkDB	

Primary Key:	LicType, LWB-Liquor, LWB-Wine, LWB-Beer, FormID, QuestionID
Foreign Keys:	FormID, QuestionID

Comments:

On G2 Mobile, if FormsTable.FormBasedOnABCLic = True, then an inner join will be done between QLinkTable and FormsDetailTable where LicType, LWB-Liquor, LWB-Wine, and LWB-Beer equal the current licensee's values. This will result in the appropriate question set for the given ABC license number.

Column	Description
LicType	ABC License type (A, B, W, T, V, E, S, P, etc)
LWB-Liquor	Liquor value. If zero, the licensee carries no liquor.
LWB-Wine	Wine value. If zero, the licensee carries no wine.
LWB-Beer	Beer value. If zero, the licensee carries no beer.
FormID	Identity set in FormsTable
QuestionID	Identity set in FormsDetailTable

Data Store Description Form

085

ID **6**
Name **ABCLicTable**
Description: One record per ABC Licensee.

File Format: Database ASCII Text File
DB / File Name: G2FrameworkDB

Primary Key: **LicNumber**
Foreign Keys: **LicStatusNumber**

Comments:

ABCLicTable provides the primary information on each ABC licensee (bars, carry-outs, distributors, brewers, etc). For extensibility, there is also an ABCLicPropTable (Properties table). The properties table allows the addition of various name/value pairs (HealthPermitChecked=false) to be added to the schema without any code change.

Column	Description
LicNumber	ABC License number
LicControlYear	Year part of our print control number
LicControlNumber	Print Control Number
LicDBA	DBA Name of licensee
LicEntity	Entity Name
LicStatusNumber	Status Number (see ABCLicStatusTable for more)
LicStatusDate	Date the status changed
LicExpireDate	Expiration date
LicPhone	licensee's phone number
LicMailStreet1	Mailing Address
LicMailStreet2	
LicMailCity	
LicMailState	
LicMailZip	
LicPhysStreet1	Physical Address
LicPhysStreet2	
LicPhysCity	
LicPhysState	
LicPhysZip	

Data Store Description Form

086

ID 7
Name ABCLicPartnersTable
Description: One record per ABC Licensee business partner.

File Format: Database ASCII Text File
DB / File Name: G2FrameworkDB

Primary Key: PartnerID
Foreign Keys: LicNumber

Comments:

This table holds one or more partners for each ABC Licensee. Partner information is needed to do background checks prior to the inspector recommending the Commissioner grant the license.

Column	Description
PartnerID	Identity set in this table
LicNumber	ABC License number
PartnerTitle	ie SC – secretary, PR – president, etc
PartnerLName	last name
PartnerFName	first name
PartnerStreet	address
PartnerCity	
PartnerState	ie WV
PartnerZip	ie 25304
PartnerPhone	
PartnerSSN	
PartnerDOB	date of birth
PartnerOwnerPct	percent owner. ie 50.1

Data Store Description Form

087

ID 8
Name ABCLicStatusTable
Description: One record per ABC Licensee status.

File Format:	<input checked="" type="checkbox"/> Database	<input type="checkbox"/> ASCII Text File
DB / File Name:	G2FrameworkDB	
Primary Key:	LicStatusNumber	
Foreign Keys:		

Comments:

Simple lookup table for status codes. Give it a LicStatusNumber, get LicStatusDesc. It also indicates whether the status code is one that is associated with an active license (IsActive).

Columns	Description
LicStatusNumber	Number given to a license to show status. Assigned on Unix.
LicStatusDesc	Short description of the status
IsActive	Several statuses in our current licensing system represent a licensee that is legally able to have their business open. This flag indicates these statuses.

Data Store Description Form

ID 9
Name ABCLicPropsTable
Description: One record per ABC License Property name/value pair.

File Format:	<input checked="" type="checkbox"/> Database	<input type="checkbox"/> ASCII Text File
DB / File Name:	G2FrameworkDB	

Primary Key:	LicNumber
Foreign Keys:	

Comments:

This provides extensibility to ABCLicTable. If a new value is to be tracked, the DB and software need not change. The name/value pair is added here for each LicNumber.

Column	Description
LicNumber	ABC licensee's assigned number
LicPropName	The name of the new property
LicPropValue	The value of the named property above for this particular licensee

Data Store Description Form

089

ID 10
Name CountyTable
Description: One record per county in the state.

File Format: Database ASCII Text File
DB / File Name: G2FrameworkDB

Primary Key: CountyID
Foreign Keys:

Comments:

Simple lookup table to get the county name.

Column	Description
CountyID	County Number
CountyName	Name of county (numbered in alpha order)

Data Store Description Form

090

ID **11**
Name **ABCLicLWBTable**
Description: One record per ABC License type/LWB combination.

File Format: Database ASCII Text File
DB / File Name: G2FrameworkDB

Primary Key: **LicType, LWBLiquor, LWBWine, LWBBear**
Foreign Keys:

Comments:

Simple lookup table to get license type name (LWBDescription). ie Beer Only Tavern, Private Club, etc.

Column	Description
LicType	3 rd character of the ABC License number
LWBLiquor	4 th character of the ABC License number
LWBWine	5 th character...
LWBBear	6 th character...
LWBDescription	What this license type is called (ie Tavern, Private Club, etc)

ID 12
Name UserTable
Description: One record per user.

File Format: Database ASCII Text File
DB / File Name: G2FrameworkDB

Primary Key: UserID
Foreign Keys:

Comments:

Besides having your standard UserID, Password and FullName, this UserTable has tons of connectivity settings from ISP dialup telephone numbers, Wireless WAN connection settings, SQL Server info, and FTP server info. It also indicates whether the user IsAdmin. If a user IsAdmin, G2 Mobile will allow the user to actually exit the software. Otherwise, the exit button just logs the user out and puts the unit to sleep.

Column	Description
UserID	Identity
Password	user's password to log into G2 Mobile
FullName	inspector's full name
RegionNumber	Our state is broken into 5 regions. This is not used in G2 at the moment, but is put here for later use.
DisableCallWaiting	Boolean to indicate whether we need to disable call waiting when using dialup networking
CallWaitingDisableString	The string to be dialed (ie *70, #70, etc)
DialupISPPhone1	Dialup networking phone number
DialupISPPhone2	" "
DialupISPLogin	ISP login name
DialupISPPassword	ISP password
WWANAccessPointName	Needed for GPRS settings on MC70
WWANUsername	Needed for GPRS
WWANPassword	Needed for GPRS
SQLServer	Domain name to be used to connect to SQL Server
SQLServerIP	IP number to get to SQL Server
SQLUsername	username to access SQL
SQLPassword	password to access SQL
FTPServer	Domain name to connect to FTP Server
FTPServerIP	IP number to get to SQL Server
FTPUsername	username to access FTP Server
FTPPassword	password to access FTP Server
IsAdmin	True if this user has admin rights
EnableCellPhone	True if the cell phone features are to be enabled. GPRS connectivity needs to work with the cell phone disabled.

Data Store Description Form

092

ID 13
Name UserPropsTable
Description: One record per User Property name/value pair.

File Format:	<input checked="" type="checkbox"/> Database	<input type="checkbox"/> ASCII Text File
DB / File Name:	G2FrameworkDB	
Primary Key:	UserID, UserPropName	
Foreign Keys:		

Comments:

This provides extensibility to UserTable. If a new value is to be tracked, the DB and software need not change. The name/value pair are added here for each UserID.

Column	Description
UserID	user id number
UserPropName	name of new property for this specific user
UserPropValue	value of the named property

Data Store Description Form

093

ID 14
Name DeviceTable
Description: One record per G2 Mobile computer.

File Format: Database ASCII Text File
DB / File Name: G2FrameworkDB

Primary Key: UnitID
Foreign Keys:

Comments:

Stores UserID of the person assigned the unit, when the unit was assigned, whether the unit is active, and state tag number.

Column	Description
UnitID	identifying number of each mobile computer
WhenAssigned	date/time of assignment
IsActive	If unit is not active, it will not allow login.
StateTagNo	asset tag number
UserID	Who this specific unit is assigned to

Data Store Description Form

094

ID 15
Name VersionTable
Description: Only one record exists in this table.

File Format: Database ASCII Text File
DB / File Name: G2FrameworkDB

Primary Key: G2MobileSWVersion
Foreign Keys:

Comments:

This table is updated by G2 Admin. G2 Mobile uses it to compare its current running software version to the G2MobileSWVersion value. If they do not equal, G2 Mobile will initiate an FTP session to download the latest version of its self.

Columns	Description
G2MobileSWVersion	Version number of the latest software. The running version will be compared to this to determine whether new software is available.
G2DBVersion	Version of the DB. Used as an FYI and is viewable in the About screen.

Data Store Description Form

095

ID 16
Name ABCLicPropsDefaultsTable
Description: Only one record for every ABCLicPropName X the number of ABC license types it applies to.

File Format:	<input checked="" type="checkbox"/> Database	<input type="checkbox"/> ASCII Text File
DB / File Name:	G2FrameworkDB	

Primary Key: LicType, LWBLiquor, LWBWine, LWBBBeer, LicPropName
Foreign Keys:

Comments:

This table is used by G2 Admin to manage the ABCLicPropsTable. This table holds only one record for every ABCLicPropName X the number of ABC license types it applies to.

Column	Description
LicType	base license type
LWBLiquor	liquor setting
LWBWine	wine setting
LWBBBeer	beer setting
LicPropName	name of the license property that is valid for the above license type
DefaultValue	the default value for this LicPropName when new licenses are added.

Data Store Description Form

096

ID 17
Name FundingTable
Description: One record per funding source.

File Format: Database ASCII Text File
DB / File Name: G2FrameworkDB

Primary Key: FundingID
Foreign Keys:

Comments:

Column	Description
FundingID	Identity
FundingDesc	Description of funding source (ie Standard, Underage OT, etc)

Data Store Description Form

097

ID 18
Name TaskTable
Description: One record per task.

File Format: Database ASCII Text File
DB / File Name: G2FrameworkDB

Primary Key: TaskID
Foreign Keys:

Comments:

<u>Column</u>	<u>Description</u>
TaskID	Identity
TaskDesc	Description of task (ie Driving, meeting, etc).
IsG2Task	True if this task represents a function carried out on the G2 Mobile unit.

Data Store Description Form

098

ID 19
Name Form9999AnsTable
Description: One record per completed form of type Form9999, where 9999 is FormsTable.FormID.

File Format: Database ASCII Text File
DB / File Name: G2RepositoryDB

Primary Key: WhenFormStarted, UserID
Foreign Keys:

Comments:

There will be several tables that follow this template. One for each FormID. These tables will hold the answers to the completed forms. Each of these Answer Tables are created by G2 Admin once the administrative user adds a new form to the FormsTable and describes each question for FormsDetailTable.

Column	Description
WhenFormStarted	datetime the form was started by the G2Mobile user
UserID	G2 Mobile user (inspector)
WhenFormCompleted	datetime the form was completed
ABCLicNumber	ABC License number, this column will only exist if FormsTable.IsBasedOnABCLic=true
ABCLicWasScanned	True, if inspector scanned the license and did not key the lic number in. Helps prove the fact that he was there and did not complete it from the comfort of his Lazyboy.
WasPosedQID001	Indicates whether a question was posed on the SG Mobile device. If form IsBasedOnABCLic, only those questions that apply to License type are posed (see QLinkTable). Conditional questions are posed only if FormsTable.ConditionalExpr evaluates to true.
AnsQID001	This is the answer to the QuestionID001 for this FormID. The datatype of this column depends on the datatype selected by FormsDetailTable.AnstypeID.
WasPosedQID999	Indicates whether a question was posed on the SG Mobile device. If form IsBasedOnABCLic, only those questions that apply to License type are posed (see QLinkTable). Conditional questions are posed only if FormsTable.ConditionalExpr evaluates to true.
AnsQID999	This is the answer to the QuestionID999 for this FormID. The datatype of this column depends on the datatype selected by FormsDetailTable.AnstypeID.
WasPrinted	Indicates whether inspector printed the form upon completion. This column will only exist if FormsTable.OptionToPrint=true
HasPictures	Indicates whether inspector associated pictures with the form. This column will only exist if FormsTable.OptionalPictures=True
Comment	Area for freehand comments.

HadProblems

Indicates that one or more problems were found. This column will exist only if FormsTable.OptionalHadProblems=true

099

Data Store Description Form

ID 20
Name FormPictures
Description: One record per digital image associated with a completed form.

File Format: Database ASCII Text File
DB / File Name: G2RepositoryDB

Primary Key: WhenFormStarted, UserID, FormID, PictureID
Foreign Keys:

Comments:

This table holds all the pictures taken to go along with any form. The actual JPG image data is kept in the column PictureData. SQL Server 2005 Standard and Mobile editions support varbinary(max) to hold image data. Although this does put a heavier load on the DBMS, it unifies the data transfer within SQL Server Internet-Based Messaging, which employs it's own compression algorithm prior to transfer.

Column	Description
WhenFormStarted	when a particular form was started
UserID	who completed the form
FormID	which form was completed
PictureID	identity to identify one of several pictures for this form
PictureData	Varbinary(max) column that holds the actual data of the 640x480 JPG image

Data Store Description Form

ID **21**
Name **ActivityTable**
Description: One record per G2 Mobile user activity instance.

File Format: Database ASCII Text File
DB / File Name: G2RepositoryDB

Primary Key: **WhenFormStarted, UserID**
Foreign Keys:

Comments:

This table contains information about what G2 Mobile users (inspectors) are doing during their work day. Entries are made into this table automatically by the G2 Mobile menu. As the user chooses various tasks from the G2 Mobile menu, records are added to this table. The user also has the ability to go to the Activity Editor module and add records for tasks that are not handled by G2 Mobile, like driving from place to place or investigation time.

Column	Description
ActivityStart	When the user began this activity
UserID	G2 Mobile user (inspector number)
UnitID	The unique number assigned to this device (see G2MobileOnlyDB.UnitIDTable)
ActivityEnded	when the user completed the activity (returned to the menu)
CountyID	Which county the user was working in. Can be changed in Activity Editor. Auto entries made from forms that IsBasedOnABCLic will give this CountyID the value from the first two characters of the ABCLicNumber, else leave it null and the user will have to edit this entry.
FundingID	Auto entries will always put 0 here to indicate Standard Funding. Within the Activity Editor, the user will be able to choose from funding sources within FundingTable.
Comment	Area for G2 Mobile user comments
TaskID	This column will show one of the TaskIDs in TaskTable.
CompletedForm	This Boolean will indicate whether this activity involved completing one of the many G2 Mobile forms.
FormID	If CompletedForm=true, this column will have the FormID that was completed.
WhenFormStarted	If CompletedForm=true, this column will have the datetime that the form was started. Together with UserID, this and the prior column gives sufficient info to identify the form completed.

Data Store Description Form

102

ID 22

Name TranTable

Description: One record per transaction log entry. Entries may be informational or errors.

File Format: Database ASCII Text File

DB / File Name: G2RepositoryDB

Primary Key: TranDateTime, UserID

Foreign Keys:

Comments:

Simple transaction log.

Column	Description
TranDateTime	when this transaction happened
UserID	who was logged into the mobile computer when it happened
UnitID	the UnitID of the computer it happened on
IsError	Does this entry represent an error or just an FYI
FormName	screen on which it happened
ModuleName	function or subroutine it happened in
ErrorNumber	Microsoft's very descriptive and sometimes useful error number
Message	either the error description or the FYI message to be conveyed

Data Store Description Form

ID 23
Name IDScanTable
Description: One record per ID card scanned via ID Scan module. ID's scanned during the completion of a form are not stored here.

File Format: Database ASCII Text File
DB / File Name: G2MobileOnlyDB

Primary Key: ScanDateTime, UserID
Foreign Keys:

Comments:

Contains all the information stored on a drivers license barcode.

Column	Description
ScanDateTime	when the ID was actually scanned
UserID	who scanned it
IDNumber	drivers license number, etc
Name	who's ID was it
Address1	
Address2	
City	
State	
Zip	
DOB	Date of Birth
Expires	
Issued	
Height	
Weight	
Sex	
Military	
Rank	
SSN	to limit liability, we are only going to store XXX-XX-9999
Hair	
Eyes	
PhotoData	varbinary(max) column to hold the actual photo data

Data Store Description Form

104

ID 24

Name UnitIDTable

Description: Only one record for this table. Simply holds the UnitID number that uniquely identifies this particular mobile computer.

File Format: Database ASCII Text File

DB / File Name: G2MobileOnlyDB

Primary Key: UnitID

Foreign Keys:

Comments:

This number is assigned to the mobile computer before it is assigned to a user. This number is entered within G2 Mobile.

Column

UnitID

Description

This number is assigned to each mobile computer via the 9000 series commands that can be initiated at the Login screen. This number is unique on each mobile computer to identify it for purposes of tracking and assignment.

Pricing Sheet

Item	Cost per	Qty	Ext Cost
Symbol MC70 or equal		42	
Home Base Cradle		42	
Home Base Cradle Power Supply		42	
Home Base Cradle Power Supply Line Cord		42	
Home Base to Modem Cable		42	
Vehicle Base Cradle		42	
Cigarette Lighter Chargers for MC70		10	
Holster for MC70		42	
Mag Stripe Reader Attachment for MC70		42	
Extended Batteries for MC70		42	
USB Client Communications Cable		2	
O'Neil MF4T Portable printer w/Bluetooth		42	
DC Car charger w/cig plug for printer		42	
AC charger for printer		42	
Vehicle Mounting bracket for printer		42	
Cases of thermal paper for printer		2	
Jabra BT250v Bluetooth headset or equal		42	
Stowaway Universal Bluetooth Keybd or equal		42	
US Robotics 56k Faxmodem or equal		42	
Transcend 4GB 150X SD Card or equal		42	
Custom Cables to connect camera to MC70		50	
Hardware Service Agreement for MC70		2 Yr	
Hardware Service Agreement for Printer		2 Yr	
Hardware Service Agreement for Accessories		2 Yr	
Technical / Development Support Agreement		1 Yr	
Software Development thru Phase III		N/A	
Software Development for Phase IV		N/A	

See Hardware Specifications and Delivery Schedule for details.