

**Elmo-Tech, Inc.**

**Proposal for**

**Electronic Monitoring Services**

**For**

**State of West Virginia**

**Division of Corrections**

September 20, 2007



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  
**COR61362**

PAGE  
**1**

ADDRESS CORRESPONDENCE TO ATTENTION OF  
**JOHN ABBOTT  
 304-558-2544**

RFQ COPY  
 TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

**DIVISION OF CORRECTIONS  
 617 LEON SULLIVAN WAY  
 CHARLESTON, WV  
 25301 304-558-8045**

DATE PRINTED <b>08/07/2007</b>	TERMS OF SALE	SHIP VIA	F.G.B.	FREIGHT TERMS
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BID OPENING DATE: **09/06/2007** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
				REQUEST FOR QUOTATION		
				THE PURCHASING DIVISION IS SOLICITING BIDS FOR THE WEST VIRGINIA DIVISION OF CORRECTIONS TO PROVIDE AN OPEN-END CONTRACT FOR ELECTRONIC MONITORING SERVICES.		
				MANDATORY PRE-BID: 8/23/2007; 1:30 PM DIVISION OF CORRECTIONS 617 LEON SULLIVAN WAY CHARLESTON, WV 25301		
				PLEASE CALL JOHN ABBOTT FOR DIRECTIONS TO THE DIVISION OF CORRECTIONS' OFFICES @ (304) 558-2544		
				ATTACHMENTS: 1. SPECIFICATIONS 2. BID FORM 3. PURCHASING AFFIDAVIT		
0001	1	LS		730-36		
				ELECTRONIC MONITORING SERVICES		
				EXHIBIT 3		
				LIFE OF CONTRACT: THIS CONTRACT BECOMES EFFECTIVE ON ..... 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.		

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *[Signature]* TELEPHONE: **630 420 0901** DATE: **9-20-07**

TITLE: **VP Sales Mkt** FEIN: **13-4088050** ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

**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.

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**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  
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VENDOR

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 25301 304-558-8045**

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
08/07/2007				

BID OPENING DATE: **09/06/2007** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<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 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>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *[Signature]* TELEPHONE: **6304200901** DATE: **9-20-07**  
 TITLE: **VP Sales & Mkt** FEIN: **13-4088050** ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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08/07/2007				

BID OPENING DATE: **09/06/2007** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p><b>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER.</b></p> <p><b>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.</b></p> <p><b>VENDOR PREFERENCE CERTIFICATE</b></p> <p><b>CERTIFICATION AND APPLICATION* IS HEREBY MADE FOR PREFERENCE IN ACCORDANCE WITH WEST VIRGINIA CODE, 5A-3-37 (DOES NOT APPLY TO CONSTRUCTION CONTRACTS).</b></p> <p><b>A. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</b></p> <p><b>( ) 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</b></p> <p><b>( ) 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</b></p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>[Signature]</i>	TELEPHONE 630 420 0901	DATE 9-20-07
TITLE VP Sales & Mkt	FEIN 13-4088050	ADDRESS CHANGES TO BE NOTED ABOVE

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State of West Virginia  
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RFQ NUMBER  
**CDR61362**

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**4**

ADDRESS CORRESPONDENCE TO ATTENTION OF  
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PURCHASER

SHIP TO

**DIVISION OF CORRECTIONS  
 617 LEON SULLIVAN WAY  
 CHARLESTON, WV  
 25301 304-558-8045**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
08/07/2007				

BID OPENING DATE: **09/06/2007** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>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;</p> <p>OR</p> <p>( ) BIDDER IS A NONRESIDENT VENDOR EMPLOYING A 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 &amp; 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</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *[Signature]* TELEPHONE: **630 420 0901** DATE: **9-20-07**

TITLE: **UP Sales Mkt** FEIN: **13-4088050** ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



State of West Virginia  
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 Purchasing Division  
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**5**

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DIVISION OF CORRECTIONS  
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08/07/2007				

BID OPENING DATE: **09/06/2007** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>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 CONTAINED WITHIN THIS CERTIFICATE CHANGES DURING THE TERM OF THE CONTRACT, BIDDER WILL NOTIFY THE PURCHASING DIVISION IN WRITING IMMEDIATELY.</p> <p>BIDDER: <u>Elmo Tech, Inc</u></p> <p>DATE: <u>9-20-07</u></p> <p>SIGNED: <u>[Signature]</u></p> <p>TITLE: <u>VP Sales &amp; Marketing</u></p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <u>[Signature]</u>	TELEPHONE <u>630-420 0901</u>	DATE <u>9-20-07</u>
TITLE <u>VP Sales &amp; marketing</u>	FEIN <u>13-4088050</u>	ADDRESS CHANGES TO BE NOTED ABOVE

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ADDRESS CORRESPONDENCE TO ATTENTION OF  
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DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
08/07/2007				

BID OPENING DATE: **09/06/2007** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UCP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<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>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION          PURCHASING DIVISION          BUILDING 15          2019 WASHINGTON STREET, EAST          CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: JOHN ABBOTT-----</p> <p>RFQ. NO.: COR61362-----</p> <p>BID OPENING DATE: 9/6/2007-----</p> <p>BID OPENING TIME: 1:30 PM-----</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>[Signature]</i>	TELEPHONE 6304200901	DATE 9-20-07
TITLE VP Sales & Marketing	FEIN 13-4088050	ADDRESS CHANGES TO BE NOTED ABOVE

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08/07/2007				

BID OPENING DATE: **09/06/2007** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>TO CONTACT YOU REGARDING YOUR BID:</p> <p>----- 630 420 1475 FAX -----</p> <p>CONTACT PERSON (PLEASE PRINT CLEARLY):</p> <p>----- Jim Walker -----</p> <p>***** THIS IS THE END OF RFQ COR61362 ***** TOTAL: _____</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>[Signature]</i>	TELEPHONE 630 420 0901	DATE 9-20-07
TITLE VP Sales Mkt	FAX 3-408 8050	ADDRESS CHANGES TO BE NOTED ABOVE

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WV-36a STATE OF WEST VIRGINIA PURCHASING CONTINUATION SHEET	Buyer:	Page	Req. or P. O. No.:
Vendor: <u>Elmo Tech, Inc.</u>	Spending Unit:		

Requisition No.: COR 61362

ADDENDUM ACKNOWLEDGEMENT

I hereby acknowledge receipt of the following checked addendum(s) and have made the necessary revisions to my proposal, plans and/or specifications, etc.

Addendum No.'s:

No. 1   *EW*  

No. 2   *EW*  

No. 3 \_\_\_\_\_

No. 4 \_\_\_\_\_

No. 5 \_\_\_\_\_

I understand that failure to confirm the receipt of the addendum(s) is cause for rejection of bids.

*[Signature]*  
Signature

Elmo Tech, Inc  
Company

9-20-07  
Date



State of West Virginia  
 Department of Administration  
 Purchasing Division  
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**CHARLESTON, WV**  
**25301 304-558-8045**

DATE PRINTED <b>08/27/2007</b>	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
BID OPENING DATE: <b>09/20/2007</b>		BID OPENING TIME <b>01:30PM</b>		

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<b>ADDENDUM #01</b>						
<p>THIS ADDENDUM IS ISSUED TO CLARIFY, MODIFY, ADD TO, AND/OR DELETE REQUIREMENTS OF THE ORIGINAL SPECIFICATIONS, AND TO EXTEND THE BID OPENING DATE TO 9/20/2007; 1:30 PM.</p> <p>ATTACHMENTS: 1. ADDENDUM #01                      2. PRE-BID SIGN-IN SHEET                      3. ADDENDUM ACKNOWLEDGEMENT</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

TITLE <i>VP Sales &amp; Marketing</i> FEIN <b>13-4088050</b>		TELEPHONE <b>630 420 0901</b>	DATE <b>9-20-2007</b>
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**25301**      **304-558-8045**

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
09/11/2007				
BID OPENING DATE: 09/20/2007		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<b>ADDEDNUM #02</b>  <b>THIS ADDENDUM IS ISSUED TO REVISE THE BID FORM FOR VENDOR'S USE.</b>  <b>ATTACHMENT: REVISED BID FORM</b>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *[Handwritten Signature]*      TELEPHONE: **630 420 0901**      DATE: **9-20-07**

TITLE: **VP Sales mkt**      FEIN: **13-4088050**      ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

**West Virginia Code §5A-3-10a states:** No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owned is an amount greater than one thousand dollars in the aggregate

**DEFINITIONS:**

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

**EXCEPTION:** The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

**LICENSING:** Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

**CONFIDENTIALITY:** The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit [www.state.wv.us/admin/purchase/privacy](http://www.state.wv.us/admin/purchase/privacy) for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and are in compliance with the requirements as stated.

Vendor's Name: ElmoTech, Inc.

Authorized Signature: [Signature] Date: 9-20-2007

## EXECUTIVE SUMMARY

ElmoTech would like to thank you for the opportunity to submit our response for your RFQ COR61362. It is my sincere belief that you will find our response meets all your agencies requirements and will exceed all the staff's expectations. We are very familiar with the West Virginia DOC needs. This account has been using ElmoTech equipment for the past 5 years and was originally begun with ADT. The personnel that worked with the WVDOC staff when the program began now works for ElmoTech directly. WVDOC is currently operating with the former generation of ElmoTech products. Our newest generation of equipment is highlighted in this document with all of the new features, miniaturization, and security enhancements.

Elmo-Tech has over a decade of experience providing state of the art, electronic monitoring solutions designated and specifically tailored for the offender monitoring industry, within Law Enforcement and Corrections environments. We are constantly investing in new technology and innovating new solutions for the electronic monitoring market. In the past ten years we have introduced numerous benefits to Electronic Monitoring programs in the USA and around the world, in order to enhance their safety, security and operational cost saving.

ElmoTech operates equipment on six Continents and in 25 of the 25 countries that offer electronic monitoring. ElmoTech is very proud of the fact that no other equipment provider has our depth of experience, breadth of equipment diversity and certifiable results of product reliability. We are also the only company that operates on a fully integrated software platform for voice verification, alcohol monitoring, RF monitoring, Group monitoring, Passive and Active GPS monitoring. We use the same transmitter for all our products ensuring optimum efficiencies through inventory and training.

ElmoTech is a profitable company that focuses 100% of our efforts on offender monitoring, with all the resources needed to continue to support our customer base and product line with the utmost efficiency. We develop products for this industry (tracking/monitoring people who are motivated not to be tracked or monitored) instead of trying to modify products from other industries and "hope" they work, or dabbling in the Offender Monitoring market as a means to raise money. We have no short-term or long-term debt, several million dollars in the bank and bring the lions-share of the business to our parent company DMATEK, who is traded on the London Stock Exchange with a market cap of nearly 70 million dollars. ElmoTech was reared in this market, have had more positive technological impact on this market than any other single company and will remain in this market for a very long time to come.

The ElmoTech team understands the diverse needs of WV and think we can accommodate all those needs with the ElmoTech E3 platform and suite of products. We are proposing four distinct products for RFQ COR61362:

- E3 RF Electronic Home Monitoring equipment;**
- E3 STaR Active/Passive GPS tracking unit;**
- E3 Voice Verification;**
- E3 Integrated Software Platform.**

The **E3 RF Electronic Home Monitoring equipment** is the latest generation of RF equipment from ElmoTech. This product features a unique third tamper scheme to the transmitter (no motion detection) and streamlined the communication protocols, which makes it the most secure product in the industry. However, the astounding development featured in this product is the ability to completely reprogram all the software (firmware) inside the unit while it is attached to a phone line in the field. This gives ElmoTech the ability to remotely upgrade units, correct any potential future problems, add enhancements and in general makes the unit less susceptible to obsolescence. The ElmoTech transmitter features multiple electronic strap tamper detection and evidentiary physical tamper detection. The transmitter uses a unique strap design, invented by ElmoTech, to allow one step installation of the transmitter – one size fits all concept, thereby eliminating the need to cut, trim, assemble or otherwise act as a technician to “build” the transmitter prior to placing on the participant. The transmitter comes with a two year minimum active, sealed battery and boasts a five year shelf life. By sealing the battery, ElmoTech has been able to deliver a transmitter that is waterproof to 25 feet, shock resistant to 98g’s and with the use of its internal encryption the unit is statistically undefeatable. An officer with minimal training takes an average of 1 minute to install an ElmoTech transmitter.

The **E3 STaR Active/Passive GPS tracking unit** is the latest generation of this product developed by ElmoTech. This product is employed not only by probation agencies worldwide, but also by leading service providers such as BI Inc., and G4S. This is the fourth generation of the unit, since its introduction in 2002. The STaR unit possesses many enhanced features as it relates to communication, reliability, safety features and ease of use. The offender’s program details and restrictions (schedule and geographical limitations) are stored and processed in the unit itself, and not in the CMS (Central Monitoring System). This enhanced distributed concept enables the unit to keep a close surveillance with the offender even if the unit is in offline (passive or limited cellular connectivity) mode. When program instructions are not followed, the unit will independently inform the offender on his/her violation, and will instruct the offender how to avoid them, if possible. Program details are totally configurable: and can be stored per a single offender, per officer, per agency or any other required group. The unit is able to work in three operational modes: Active, Passive, and Hybrid. The STaR unit is a two piece unit, using the ElmoTech transmitter discussed above. ElmoTech is a firm believer in the dual piece GPS system to insure additional safety and not afford an offender the opportunity to mask the cellular and GPS signal, by whatever means, leave their last known location, commit a crime, return to their last known location, unmask the system and they show up again as if never lost – the equipment becomes a great alibi. The STaR system must be put “at rest” when in the residence or anywhere that GPS signal may not be available. Then if the unit is moved the STaR tracking device begins to look for GPS and if it finds none the system will trigger an alarm to the offender to acquire GPS. If they do not acquire GPS it is an alarm, if they do then the unit is tracking with no “false” alibi. Conversely the one piece unit, is always in motion and can therefore not have a secondary alarm about “motion no GPS”.

The **E3 Voice Verification System** is the industries easiest, most efficient voice solution. The Multi lingual Voice Verification program utilized within Elmo-Tech’s integrated platform, establishes a record of biometric information that is unique to the subject and checks the biometric information from an individual claiming to be the subject against the subject's stored record. The Voice Verification program is simple to use, fraud proof and flexible. The subject ‘s enrolment, i.e. data entry and voice

signature capturing, as well as handling incoming biometric related event messages, is done from the same Graphic User Interface (GUI) which is used for monitoring home detention subjects, as well as subjects under GPS tracking programs or Alcohol tests. The integrated monitoring platform concept enables RF monitoring in conjunction with Voice Verification. For example, a subject may be monitored via regular RF during the night time, while during the day time, they need to call into the monitor center from predefined locations within a predefined schedule, in order to ensure their presence. The system is capable of handling both incoming and outgoing calls. The outgoing calls are random (distributed randomly within a time frame), automatic (performed automatically upon occurrence of pre defined events) or manual (monitor center users are capable of manually triggering a voice verification request). The incoming calls are scheduled at specific time frames, which the offender must comply with. A smart Caller ID mechanism is utilized when Caller ID data is available.

The **E3 Integrated Software Platform** operates all the aforementioned equipment on the single platform. The entire caseload is situated on one system which allows for faster training (one versus three systems), each officer can manage their entire caseload (RF, Voice, GPS) from one screen and from one internet interface. Also, one call to one monitoring number and one call to one warehouse affords the county more efficiencies. The CMS (Central Monitoring System) has several reports built into the system that can be automatically emailed each morning, or can be reviewed by the agency/officer then run locally. Every component in the software is programmable by agency, officer, or offender and can be customized for individual agency's specific needs. The system is user intuitive and easy to operate with a short training class.

ElmoTech is very proud of our product offerings and equally proud of our service offering. Our training and customer service center in the Chicago area will be the primary point of contact for WVDOC. We operate a warehouse and hardware repair center, administrative functions, training and customer support and sales and marketing from this office. Should ElmoTech be fortunate enough to be chosen by West Virginia, we will send a trainer and account manager to Charleston to conduct the training and set up the account. All our trainers have a minimum of seven years in the Electronic Monitoring industry and at least that much time working with the ElmoTech system and our account managers have a minimum of 12 years in Electronic Monitoring.

I would like to thank you again for this opportunity to submit our response and once again reiterate ElmoTech's desire to work with WV DOC directly. We know, in no uncertain terms, that with every new account or any technology, issues will arise. ElmoTech takes a lot of pride in keeping open lines of communication, understanding your needs, recognizing problems and making realistic recommendations to correct those problems, and having the flexibility with our diverse technology and work force to solve any issue that may occur. ElmoTech has the financial stability, corporate resolve and employee commitment to ensure the continued success of your program.

ElmoTech has prepared this response and pricing proposal without connection to any other person or entity proposing to WVDOC. We believe you will find our proposal technically attractive and cost effective, and look forward to the opportunity to prove ourselves a worthy partner for your electronic monitoring program. Should you have any questions or need to contact us please call 1-800-313-1483 or fax to 630-420-1475 or email to [jimw@elmotech.com](mailto:jimw@elmotech.com).

Sincerely,



Jim Walker  
Executive Vice President

## 1 GENERAL INFORMATION

During the past several years, there has been increasing public, government, political and corrections concern regarding the need to supervise the behavior of offenders in the community environment. Recent legislation concerning sex offenders has also impacted this initiative significantly.

The limited availability of resources requires creative new options and modern technology that will electronically monitor and track offenders in the community environment.

The system must be able to provide data from various locations anywhere in the United States in the community environment such as work, school, home, counseling, etc.

This program will serve offenders of 18 and above that are placed in the custody of the West Virginia Division of Corrections, hereinafter, WV DOC, for the purpose of intensive monitoring of parole violators on community confinement and other offenders placed on the program by the WVDOC in the State of West Virginia.

## 2 OPERATING ENVIRONMENT

### Location:

Agency is located at 112 California Avenue, Building 4, Room 300, Charleston, West Virginia.

## 3 PROCUREMENT SPECIFICATIONS

### 3.1 General Requirements:

The purpose is to obtain a quotation for the Division of Corrections to award a service contract for an electronic monitoring product and reporting system for a community corrections offender monitoring system capable of national coverage.

The services requested will serve initially approximately 100 persons on the system and may increase this number to 300 under the supervision of Division of Corrections.

### 3.2 Scope of Work:

Vendor must have the resources and capability to provide a monitoring system capable of nationwide transmission and operation from a centralized base station or an on-site host computer. Included in this system shall be straps for attaching to clientele, portable verification units for officer's use in mobile units, transmitters/receivers, and central computer units expandable to networked stations throughout the state.

ElmoTech Response: ElmoTech has the capability and resources to provide the State with the required system. ElmoTech has been providing systems similar to this for the past 13 years.

All equipment **shall** be of the same type and model and from the same manufacturer unless expressly approved by the Agency.

ElmoTech Response: ElmoTech will provide the same type and model equipment for the Agency.

Also, ElmoTech equipment uses the same transmitter and host system to make inventory and training requirements easier and more efficient.

At the Agency's request, the Vendor **shall**, at no charge, replace equipment, computer software or additional related equipment in the Agency's possession with any upgraded equipment that the manufacturer/Vendor may develop and place in service during the term of the contract. If requested by the Agency, equipment **shall** be replaced as it is removed from an offender's home at the end of an electronic supervision period.

ElmoTech Response: ElmoTech will upgrade the system in use at WV DOC should a new unit come available during the life of the contract.

The Vendor **shall** be responsible for all equipment installation and training of Agency personnel in the use and installation of the equipment. Training will be coordinate with the vendor at 2 locations, one in Northern WV and one in Southern WV. This training and installation should be completed within 30 calendar days after the contract effective date. The Vendor will provide tools, tool kits and activators as requested by officers, to include one set of each for 35 officers and one set of each for additional officer in the event of an increase in personnel.

ElmoTech Response: ElmoTech will conduct the trainings and provide the tool kits required in this contract. ElmoTech has trainers that are familiar with the WV account. Mary Later set up WV DOC 5 years ago and will be the assigned account representative for this account.

Electronic supervision equipment installed in the offenders' homes **shall** be capable of communicating with the computer, at a central monitoring center; 24 hours per day and seven days per week.

ElmoTech Response: The equipment in the residences will communicate with the host computer 24/7. The RF units call in to report status and for the record events every 4 hours, the active GPS system checks in every 10 minutes and passive GPS checks in every six hours. The monitoring center is staffed 24/7 and has multi-lingual operators on ALL shifts. The monitoring center is provided through a partnership with Protocol Monitoring, Inc. Protocol currently monitors over 50,000 parolees for the states of Illinois and Colorado and handles electronic monitoring on more than 6000 cases daily. This is the largest, most state of the art monitoring facility in this industry and unlimited growth capacity with a 275 seat facility.

A copy of the training procedures will be forwarded to the Agency when requested.

ElmoTech Response: ElmoTech will forward when requested.

Any equipment, consumables, attachments and supplies **must** not be available to the public and/or commercially available.

ElmoTech Response: No ElmoTech supplies are available to the public.

A warranty against manufacturer's defects **shall** be provided for the length of the contract. In the event of a contract renewal, the warranty shall also be renewed.

ElmoTech Response: ElmoTech will provide a original manufacturers warranty against all defects for the length of the contract.

The Vendor **shall** have a formal quality control program in place that will provide assurance of the services provided in this contract. A copy of the quality control program **shall** be submitted with the quotation.

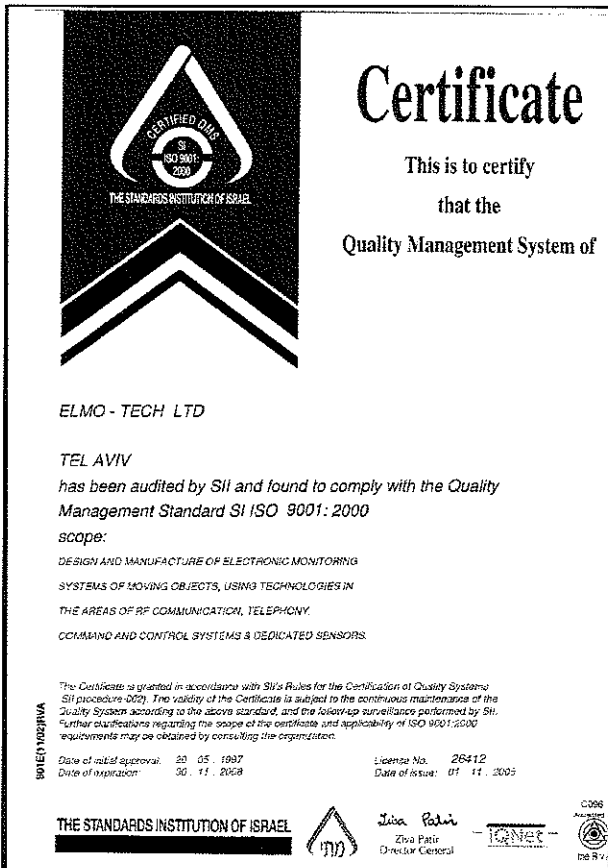
ElmoTech Response: ElmoTech is committed to the highest quality control in all aspects. ElmoTech operates under both ISO 9001:2000 and IQNet quality management standards for development and manufacturing.

Since ElmoTech develops and manufactures its entire suite of electronic monitoring solutions, the same quality measures are effective from the starting point of development and all the way to supplying the final products to the end user.

Our Research & Development department has a dedicated Quality Assurance team that tests and verifies both the hardware and software of each product. Once approved, the products move to our Operations department for Engineering quality control and obviously for manufacturing quality control. The entire process ends with a dedicated quality assurance process at the gate of the company (QA Gate) to verify that all goods are sent to the customer per the exact order and needs.

The company's Quality Assurance Manager manages this entire quality process.

In case of a failure in any part of the process, including in customer site, a formal complaint process is generated called FAR (Further Analysis Required). In this case the fault is analyzed, documented and measures for improvement are implemented thereafter.



The system, at a minimum, **must** have the ability to electronically monitor a person's presence or absence at a specific location at specified time periods. The base system **must** be a continuous signaling, radio frequency-based transmitter and receiver/monitor and require no active participation by the client.

ElmoTech Response: ElmoTech is proposing the E3 platform of products. The system will monitor the offender's presence or absence from a specific location at specific time periods. The system will also register every "GUEST" transmitter that comes in range and log the time it was in range. The E3 home unit can also monitor up to 50 offenders on one unit in one location (for a half-way house setting). The E3 system and the STaR GPS unit monitor and keep track of over 100 events that are happening with the offender and/or their equipment all the time. No other equipment has this type of flexibility or accountability.

The monitoring equipment offered in the bid should be of the latest technology available from the manufacturer of the equipment.

ElmoTech Response: ElmoTech is offering the latest technology available to the industry.

The system **shall** use standard telephone lines to communicate between the individual transmitters/receivers and the monitoring center.

ElmoTech Response: ElmoTech's E3 RF unit can use tone, pulse or digital lines.

The Vendor **must** explain its policy fully on the cost to the WV DOC of any unused monitoring units, add on components or other equipment provided.

ElmoTech Response: ElmoTech will manage the WV DOC account to keep the equipment levels at the prescribed percentage. ElmoTech will not charge for excess units, but will request their return. Any other equipment WV DOC may request will be charged on a per day usage basis.

The Vendor **must** be the manufacturer of the equipment or an authorized and certified distributor of the equipment.

ElmoTech Response: ElmoTech is the manufacturer of all equipment proposed.

Equipment **must** be designed with an emphasis on ease of use and to reduce officer field time required to activate, install, and maintain equipment.

ElmoTech Response: The E3 unit has been designed to be easy to install, user intuitive, and very reliable. The Landline Home Unit has three sockets for external cable connection:

- A power socket
- Phone line socket
- Connected-phone socket

The Home Unit is very easy and simple to install and has a basic straightforward man-machine-interface (MMI) that consists of three LEDs and an internal buzzer. The buzzer is used to alert the offender when phone line or power failures are detected, and when he/she are requested to terminate a phone call in order to enable the unit to dial to the central computer. Each kit is delivered with basic installation guidelines

The three LEDs indicate the following:

- External Power Connected
- Phone line connected

Transmissions reception (operates only during install mode and range testing). Elmo-Tech's ankle and wrist transmitters are equipped with a unique strap concept, which was pioneered by Elmo-Tech, that enables easy installation and precise fitting of the strap around the offender's ankle or wrist respectively. The straps, the strap holder and the locking clips form a wristwatch like mechanism, which significantly simplifies and accelerates the transmitter installation time compared to any EM unit in the marketplace. There is no need to measure, cut or screw strap! Officers and installers simply need to flip the strap around the offender's ankle or wrist and fasten it with a single pressing action.

The Vendor should propose only newly manufactured equipment Used, refurbished, or reconditioned equipment will result in rejection of the quotation.

ElmoTech Response: ElmoTech is proposing only brand new equipment. Also, ElmoTech is proposing only our latest generation equipment, proven in the field for the last 18 months, but with more enhancements and functionality than all other units.

The exchange of monitoring/tracking information, including enrollment, data changes, monitoring/tracking reports, and terminations, between WV DOC officers and the monitoring center/facility shall occur via secure, real-time access by approximately 45 WV DOC personnel using their existing WV DOC computers/Internet access

ElmoTech Response: ElmoTech was the first company to offer remote access to our secured host computers and will continue to do so for WV DOC. Authorized WV DOC staff will have access to the host from any computer – office, home, wireless laptop in the car – if available.

**Transmitter:**

The transmitter must be lightweight, hypoallergenic, sealed, shock resistant, water/moisture resistant and should not unduly restrict the activities of the offender., Transmitters should not pose a safety hazard to offender's. The transmitter must be able to withstand a shower or bath without failure.

ElmoTech Response: ElmoTech is offering the ElmoTech TXS 700 transmitter. It weighs less than one ounce, is hypoallergenic, made of a durable and robust material that has been tested for rigid environments and various standards concerning free fall, shock (up to 98(!) G), vibration, water immersion, humidity, heat and cold. The unit is waterproof to 25 feet and does not pose a safety hazard to the offenders.

The transmitter must be FCC approved

ElmoTech Response: FCC # is TXS-700 LSQ-TXS-700

Vendors shall describe the procedure for replacing batteries. Vendors bidding sealed transmitters are to describe procedures for field replacement of batteries.

ElmoTech Response: ElmoTech is proposing a transmitter with a sealed battery with a MINIMUM TWO YEAR LIFE. When a low battery message is received, the agency will have about 10 days to change the transmitter. The offender should come to the office and be fitted with a new transmitter (spares are being provided as part of this response). This equipment change should take a office with limited experience less than two minutes.

Vendors bidding field replaceable batteries must supply enough batteries to operate for one year per transmitter. The Vendor's quotation shall include all replacement batteries for the entire contract period and any renewal contract period. Field replaceable batteries must be stamped with a date to assist in determining remaining battery life. Vendors bidding sealed transmitters are to describe procedures for determining remaining battery life.

ElmoTech Response: ElmoTech stamps each transmitter with a "battery born on date". The batteries are good for two + years of usage and five years on the shelf. The born on date will be the determining factor for remaining life.

The Vendor shall supply all necessary straps, batteries, cleaning equipment and any other disposable items necessary to ensure that equipment functions properly. Vendors proposing fixed straps must describe procedure for field sanitization and sizing. These items will be provided at no additional cost to the Agency. Field replaceable straps are preferred.

ElmoTech Response: ElmoTech will provide all consumable items necessary for the DOC program. The transmitters have a replaceable strap, if necessary but the strap is also never cut so it is reusable. The unit can be cleaned with any simple cleaning solution.

Transmitters must emit a signal that is unique and distinct from similar electronic devices and the emitted signal must be one that can be picked up by the Vendor's receiver/dialer.

ElmoTech Response: The transmitter emits a unique signal that can be picked up by our receiver/dialer.

The transmitter's signal must not be able to be captured or duplicated by commercially available equipment and have a range of at least 150 feet.

ElmoTech Response: The transmitter signal cannot be duplicated by any commercially available equipment. The transmitted signal bears the transmitter's ID, status information: battery level, strap, body, and reset indication. A Cyclic Redundancy Check (CRC) ensures that no data errors are received and provides a safeguard against signal simulation, while dedicated transmissions enable the (Home Unit) to detect attempts to replay the transmitter's signal. As mentioned, in order to detect accidental errors (due to noises) or intentional attempts to generate a simulated signal, the transmission protocol is protected by a powerful Cyclic Redundancy Check (CRC) mechanism. The probability of a non-detected error is once in 126 years (!).

The transmission protocol also includes dedicated transmissions that enable the E3 RF to detect a replay of the transmitter's signal. In case the Home Unit detects a false or reproduced signal, it sends a violation message to the Central Monitoring System. An additional Elmo-Tech transmitter in the Home Unit reception range will be reported as an "extra transmitter detected" message, with the transmitter's unique ID.

Transmitters must have the ability to be paired with any proposed receiver/dialer. Matching of transmitter and receiver will be accomplished at field location and/or at Vendor's central monitoring center. The transmitter must have the ability to be matched to any receiver/dialer units to limit costs associated with inventory management. Field pairing is preferred.

ElmoTech Response: The transmitters can be matched with any E3 RF unit AND any STaR GPS unit.

The transmitter **must** be able to shut off when not in use.

ElmoTech Response: The transmitters can be shut off with a provided MRD key.

Transmitters **shall** be capable of storing and recording a tamper event, which occurs out of range of the receiver/dialer and communicating the tamper signal to the receiver/dialer when the transmitter returns within range

ElmoTech Response: The transmitter will record and store a tamper event and report that tamper event as soon as the unit comes in range of the E3 RF Home Unit.

The Vendor will be responsible for the first ten percent (10%) all costs associated with damaged, lost or stolen equipment, i.e., the first 10 units of 100, or 10% of the number of units supplied during each year of the contract shall be the vendor's responsibility. Prosecution for stolen or damaged equipment is the responsibility of the Vendor. Agency staff will cooperate, however, by testifying at court hearings when subpoenaed.

ElmoTech Response: ElmoTech understands we are responsible for the first 10% of L/D equipment.

In the event of missed transmissions, the receiver/dialer shall report a leave to the monitoring center within approximately ten (10) minutes of missed transmission.

ElmoTech Response: The transmitter can be adjusted for number of minutes of missed transmissions. The system will default at 5 minutes and ElmoTech recommends this timeline.

The transmitter and strap must have dual tamper resistant features or fiber optic protection that will enable the transmitter to immediately notify the monitoring center (when in range) of any tamper attempt or removal from the offender's ankle. This would include severing the strap or removal of the transmitter without severing the strap.

ElmoTech Response: Elmo-Tech's ankle and wrist transmitters TX-700 / TXS-700 are equipped with a dual tamper detection mechanism. The transmitter detects and reports when the strap is opened or cut (including when done inside conductive solutions, e.g. salty water). The transmitter also reports if it is removed from the offenders' body without opening or cutting the strap, by using its proximity alarm feature (also referred to as "body alarm"). Once the strap was opened or cut, or the securing clip was removed, a strap tamper signal is transmitted, until a reset command is received from an officer's electronic key (MRD). The body tamper signal can be provided either as a manual reset one (reset only by an authorized officer, similar to the strap tamper), or as an automatic reset (this is effective for cases when the transmitter was installed too loose on the limb and the distance from the body triggers a temporary body tamper signal). After being reset, the transmitter transmits an indication that it was reset for about 24 hours and the ID of the MRD that has been used for performing the reset. The MRD ID is conveyed by the home monitoring unit to the central system and displayed on the monitoring workstation. Since each MRD is assigned to a specific officer, it is possible to trace the MRD source when the use of a lost or a stolen MRD is suspected. This powerful auditing and security feature is an important foundation of a successful EM program.

A fiber optic, single tamper, scheme on a transmitter is no safer than driving your car with no seat belt hoping the airbags will protect you. If an offender removes the transmitter from their wrist or ankle, with the strap still in tact, a single tamper transmitter will NEVER ALERT the agency and a very real disaster could occur.



The transmitter must emit a signal at a minimum of once every 25 seconds on a continuous basis, interval to be random or fixed, during the operating life of the battery and transmit a low battery signal to the receiver/monitor prior to low battery condition is present.

ElmoTech Response: The ElmoTech transmitter emits a signal every 19-21 seconds.

The transmitter should be easily installed on the client with minimal training and experience of the installer.

ElmoTech Response: The transmitter installation is described above.

Each vendor will describe their method for resetting a tamper status.

ElmoTech Response: The method for resetting a tamper is described above.

**Straps:**

Straps must be designed so that an offender cannot remove the transmitter without having to tamper with the strap. The specific activities that shall initiate a tamper violation include the removal of the strap attachment device, severing of the strap or sliding the strap off.

ElmoTech Response: The strap design is described above.

Strap tamper features shall not allow for wearing a sock under the ankle transmitter strap.

ElmoTech Response: The transmitter needs to be worn next to the skin, a sock should not be worn under the strap.

The same strap that secures the transmitter to the offender shall contain the tamper detection feature.

ElmoTech Response: The strap does contain the tamper detection. The ElmoTech strap utilizes a flex board (flexible computer board) embedded in the strap that data flows through.

The strap must be a sufficient length to accommodate most offenders.

ElmoTech Response: The transmitter strap that is attached standard will accommodate most offenders and since the transmitter features a replaceable strap, ElmoTech has a longer strap to fit very large people.

"Handcuff" type straps that are secured around the offender's ankle by means of hooked metal bands inside a plastic sleeve are not acceptable.

ElmoTech Response: The strap is not handcuff style.

A sufficient number of straps shall be provided so that transmitters may be attached to offenders

with new straps. Non-replaceable straps are unacceptable without additional transmitters being offered at no additional cost to the Agency.

ElmoTech Response: Straps will be provided as the state needs them.

The Vendor's quotation shall include all replacement straps for the entire contract period. Straps should be stamped with a date to assist in determining date manufactured.

ElmoTech Response: The straps are stamped with a manufacture date and will be included for the life of the contract.

The Vendor shall supply straps and other disposable items as requested by the Agency so that each supervising officer has a sufficient supply at all times.

ElmoTech Response: Consumable items will be provided to the Agency.

Field replaceable straps are preferred, for sanitary reasons, and the strap must be easily sized to the offender's leg or wrist. Vendors shall supply all necessary straps, batteries, cleaning equipment, and any other disposable items necessary to ensure that equipment functions properly. Vendors bidding fixed straps must describe procedures for field sanitation and sizing. These items will be provided at no additional cost to the Agency.

ElmoTech Response: ElmoTech will provide all necessary supplies.

**Receiver/Monitor:**

The receiver/monitor should be easily installed in a central location in the individual's home near the telephone.

ElmoTech Response: The R/M will install like an answering machine in the residence. The unit comes with power cord and phone line to make installation very easy. Average time to install a home unit is under 10 minutes or the participant could take the unit home and plug it in for the installation.

Telephone line disconnect and AC power failure within a specified time period will require a Location Verification The Location Verification **shall** be automatic and not require the active participation of the client or program staff. A proven substitute for location verification is allowable.

ElmoTech Response: The R/M will immediately call in for a AC power failure and telephone disconnect (when the phone line is reconnected) and will be check against caller id for the correct phone number. The E3 Home Unit will alert the Agency if there is a number mismatch.

Each receiver/monitor **shall** be able to be matched to any transmitter in the Agency's inventory by field staff without having to be sent back to the factory.

ElmoTech Response: The R/M can be matched to any transmitter. Also, the R/M can work as a group unit and monitor more than one offender in the same residence.

The receiver/monitor **shall** be able to communicate with the host computer on battery backup in the event of an AC power loss. The system **must** have internal battery backup of at least 36

hours and be equipped with a nonvolatile memory.

ElmoTech Response: The E3 RF unit has a 30 to 40 hour battery (depending on charge and calling frequency) and a non-volatile memory of 11,000 events.

The unit **shall** be capable of full communications with the central computer system by connection to the participant's telephone company outlet using a standard telephone connector for attachment to a standard pulse/touch-tone telephone.

ElmoTech Response: The E3 will communicate using a standard telephone connection with pulse/touchtone or digital telephone service.

The unit **shall** be capable of receiving the radio signal from the participant's transmitter and must indicate that it is receiving the signal from the transmitter.

ElmoTech Response: The E3 RF unit has a LED light that flashes when it receives signal from the transmitter. This light flashes when the unit is in install mode or range testing.

The unit **shall** be capable of receiving the offender status change. The following occurrences **shall** be time and date stamped upon occurrence and promptly reported to the central computer system. Any violations to be remitted immediately –maximum ten minute limit will be acceptable.

- (a) Arrival of transmitter within the range of the home monitoring unit.
- (b) Departure of transmitter out of range of the home monitoring unit after a preset programmable time interval.
- (c) Tampering/unauthorized removal of the transmitter unit.
- (d) Loss and/or restoration of the home's commercial power,
- (e) Loss and/or restoration of the communication service (the disconnection event may be sent as soon as communication service is restored),
- (f) Low battery condition of transmitter and/or receiver unit.
- (g) Tamper of receiver unit (i.e. by attempts to open housing)

ElmoTech Response: The E3 Home Unit will detect all the above and communicate them to the host computer system. The notifications can be sent out immediately through many different portals – fax, pager, cell phone (SMS messaging), email, and/or feed to computer screen.

#### **Receiver/Dialer:**

The receiver/dialer **must** support multiple curfews on the same day.

ElmoTech Response: The E3 Home Unit will support 8 different curfews in any day.

The receiver/dialer must be FCC and UL approved and be designed to function on pulse and touch tone telephone lines.

ElmoTech Response: The FCC number is LSQ-DCU-2010 and all units are UL approved. The system will function with pulse, touch tone and digital phone service.

The receiver/dialer shall include an internal clock and memory to store data if communication with the monitoring center is disrupted.

ElmoTech Response: The E3 Home Unit has an internal clock and a non-volatile memory of 11,000 events.

The receiver/dialer-transmitter combination shall be capable of informing the officer that the system has begun monitoring the client prior to the officer leaving the client's residence.

ElmoTech Response: The system will inform the officer of a successful install.

The receiver/dialer shall notify the Vendor's central monitoring computer at any time a tamper is attempted on the receiver/dialer.

ElmoTech Response: The E3 Home Unit monitors for several items; case closed (physical breach into the unit), AC power, telephone connection, motion sensor (unit is not moved), and all RF functions.

The receiver/dialer will have a progressive phone line annoyance. If the receiver/dialer attempts to call the monitoring center and the telephone line at the offender's home is in use, the receiver/dialer shall notify the telephone user, by audible means that the receiver/dialer is attempting to call out.

ElmoTech Response: The E3 Home Unit utilizes a annoyance tone on the phone line and has a audible tone at the unit. This not only alerts the [hone user, but also other members of the residence to the need for the phone.

The receiver shall have internal surge protection on both the telephone line and power source.

ElmoTech Response: The E3 Home Unit has two surge protectors on the AC line (external and internal) and one surge protector on the telephone line.

The receiver must have internal tamper circuitry to indicate that the receiver has been opened, disconnected from the telephone line or disconnected from AC power.

ElmoTech Response: The E3 Home Unit monitors for several items; case closed (physical breach into the unit), AC power, telephone connection, motion sensor (unit is not moved), and all RF functions.

The receiver must have an adjustable range with a minimum of three settings (minimum long range to be 150 feet free air) and must be adjustable per client at the client's location by Agency personnel (preferred), or at the central monitoring center computer. (Range adjustments must be able to be completed by making a telephone call to the central monitoring computer).

ElmoTech Response: The E3 Home Unit has four adjustable ranges: Maximum is about 200 feet, Long is 150 feet, Medium is about 80 to 100 feet and short is 35 to 50 feet.

The receiver/dialer must have internal diagnostics which can determine if the receiver/dialer is operating properly and relay the information to the central monitoring computer.

ElmoTech Response: The E3 Home Unit checks for several internal diagnostic functions and should any fail the unit will report to the monitoring center.

The receiver/dialer must be capable of storing at least 500 events to provide continuous monitoring during periods of power failure or interrupted telephone service. A time stamp for each event is required.

ElmoTech Response: The E3 Home Unit will store up to 11,000 events.

The receiver/dialer must not lose any events after loss of internal backup battery power.

ElmoTech Response: All memory in the E3 Home unit is non-volatile.

During periods of inactivity, the receiver/dialer must randomly communicate with the central monitoring computer every two (2) to six (6) hours.. Vendors must have the ability to increase or decrease the frequency of communications with the central monitoring computer.

ElmoTech Response: The E3 Home Unit will communicate every four hours as a system default, however, the officer can change this setting and have the unit report every one hour to once per 24 hours.

The receiver/dialer must have the ability to be paired with any transmitter. Matching of receiver/dialer and transmitter will be accomplished at field location and/or through Vendor's central monitoring center. The transmitter must have the ability to be matched to any receiver/dialer units in order to limit costs associated with inventory management. Field pairing is preferred.

ElmoTech Response: The ElmoTech transmitter can be paired with ANY ElmoTech unit (RF, GPS, Alcohol).

**VIOLATIONS** - Notification of client violations **shall** be made to the appropriate Agency personnel. Notifications will be made immediate, next day, or next business day basis. Client violations and equipment status information will be documented and maintained by the Vendor. Notification capability by fax, phone pager, internet E-mail or cell phone **must** be available.

ElmoTech Response: The ElmoTech system will notify in any method required. The software will document all equipment status and client violations. All this information is available for the life of the contract and for three years following. Notification is available via fax, pager, internet, cell phone (SMS) and on-line local generation.

The system should have a notification policy for client violations that allows the Agency to establish distinct levels of security on a client-by-client basis.

ElmoTech Response: The system is very flexible. It allows for notification on over 50 events (if desired) on a offender basis (if desired). The system will also allow for defaults to be set for agency or officer level (if desired).

The system should have the capability of transmitting reports or violations by pager, FAX, telephone or E-mail.

ElmoTech Response: The system has the capability to send reports via fax, email or local access, and violations via pager, fax, email, cell phone SMS. The monitoring center can telephone violations as required also.

Reports should include client activity, curfew violations, and other alert conditions; e.g., "disconnects", "tamper", "power loss".

ElmoTech Response: The reports have a current status "snapshot" on the top of each report giving the agency all relevant information at a glance. The reports have information divided by **Offender status** and **DCU status**.

<b>Offender status:</b>					
Offender At Home:	No	Trx Low Battery:	No	Schedule Violation:	Yes
Trx Cut Alarm:	Yes	Trx Proximity Alarm:	Yes		
<b>DCU status:</b>					
Mode:	Monitor	Low Battery Alarm:	No		
Case Open Alarm:	No	Tilt Alarm:	Yes		
No Power Alarm:	No				

All violation reporting intervals should be determined by written request of the Agency. An Agency **shall** choose any level for any breakdown of its caseload and further may change a clients notification level at will. The Vendor should adjust its policy to meet notification intervals desired by the Agency.

ElmoTech Response: ElmoTech will work with WV DOC to insure the proper violation reporting. This is very flexible and can be changed at will by WV DOC.

The Vendor **must** provide remote access to the Vendors monitoring center via remote computer terminal and/or Internet Access.

ElmoTech Response: ElmoTech will provide remote access via the internet. Authorized WV DOC personnel will have access to the system through any computer operating in a modern Windows environment.

The monitoring center should have personnel exclusively devoted to providing electronic monitoring services for base continuous signaling monitoring units. Any optional service being monitored by a vendor within their monitoring center must be described in the quotation.

ElmoTech Response: ElmoTech utilizes Protocol Monitoring in Aurora, Illinois. Protocol

monitors over 50,000 Parolees in Illinois and Colorado and monitors over 6,000 electronic monitoring devices in over 22 states, including West Virginia. The center is a 150 seat facility in total, with 70 seats dedicated to the corrections market and 20 of those seats solely dedicated to this contract, all in a secure, isolated location. By utilizing a professional center, ElmoTech has the only multi-million dollar facility in this industry and can offer the most comprehensive monitoring at a reasonable price.

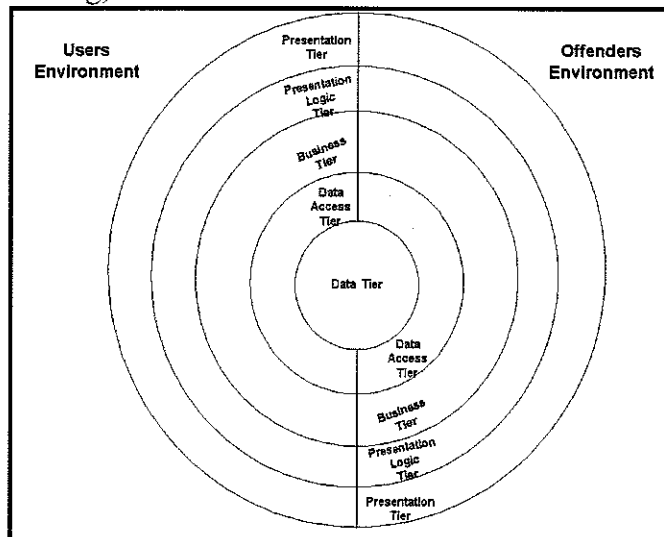
The Vendor **must** have a written security plan for the monitoring center. The center **must** be located in a secure venue and be equipped with a functional alarm system and be security patrolled

ElmoTech Response: The monitoring center is located in a secure environment and Employes:

- > Contact Center access via security ID
- > 24 hour monitoring/Intrusion alarms
- > Off-site storage of backup tapes
- > Needs-based Proximity card access to IT Rooms
- > Project isolation of desktops
- > Shredding Services
- > Operational Controls (e.g. all calls recorded, random call sampling, data auditing)

Since users' access is done over the intranet/internet the Presentation Tier does not use directly the Data Access Tier. The actual interface is done by the Presentation Logic Tier, which physically resides in the web server and performs the actions requested by the users at the Presentation Tier, e.g. data entry and retrieval, reports generation, etc.

The following drawing, illustrates the HA CIMS Tiers model:



Security is vital for a system that has vast amounts of confidential offender data. Elmo-Tech's system ensures that Internet connection is secure for both agency staff that log into the system to conduct offender monitoring, as well as for 24/7 technical support team members.

In order to achieve such a secure connection, the Elmo-Tech system offers two Terminal Servers (for redundancy purposes). The Terminal Server enables central data access protection; as this is the only gateway through which remote users gain access to the Elmo-Tech system.

To provide this data access security, the two Terminal Servers shall be placed in the DMZ

(demilitarized zone) of a Firewall. The Firewall shall provide access to only authorized users.

In computer networks, a DMZ (demilitarized zone) is a computer host or small network inserted as a "neutral zone" between a company's private network and the outside public network. It prevents outside users from getting direct access to a server that has company data. A DMZ is a more secure approach to a firewall and effectively acts as a proxy server as well. In a typical DMZ configuration a separate computer receives requests from users within the private network for access to Web sites on the public network. The DMZ host then initiates sessions for these requests on the public network. However, the DMZ host is not able to initiate a session back into the private network. It can only forward packets that have already been requested. Users of the public network outside the company can access only the DMZ host.

The firewall delivers a multilayered defense through rich integrated security services including stateful inspection firewalling, advanced application and protocol inspection, virtual private networking (VPN), inline intrusion prevention, and robust multimedia and voice security—all in a single, integrated solution.

By logging into the E3 software application, users can have access to the monitoring information and can enter and retrieve data as well as generate reports.

The monitoring workstations do not access the central monitoring server directly, they are actually communicating with the Terminal Server (TS), using the RDP protocol, which has an inherent 128 bit encryption mechanism, over a VPN secured connection. The TS is isolated in a DMZ, protected by a Firewall, which provides a strong security protection.

The Vendor's monitoring center **shall** be equipped with spare computers and associated peripheral equipment to be utilized as immediate back-up should one of the main computers go down.

ElmoTech Response: The ElmoTech system is a High Availability, fully redundant system. The Central Monitoring System is faced with the critical need to ensure its availability and continuous operation in spite of planned downtime for maintenance and unplanned downtime due to disk crashes, CPU failures or catastrophic losses of computing facilities or communications networks.

To meet these tough requirements, once a failure is detected in the Main server, the standby server automatically takes over. This switchover can also be manually triggered, should maintenance needs arise.

Since a switchover can occur at any unpredicted moment, it is essential to ensure that the standby database is identical to the main database.

The Main Server is the operational server. It continuously performs its operational tasks and in parallel it checks that:

- The Sybase and Standby Server are up.
- The various gateway computers are accessible over the LAN.
- The various software processes are up.

At the same time, the Standby Server samples the Main Server to check that:

- The Main Server and gateway computers are accessible over the LAN.
- The Sybase Server is up.



- The real-time and the history databases are in good status.
- All software processes on the Main Server are up.

If the Standby Server identifies a problem with the Main Server, the Standby Server takes control, i.e. the database server and processes are stopped in the Main Server and activated in the Standby Server. Once the switchover is completed, the users are able to continue working normally.

There are three instances in which the Standby Server takes over:

- The Main Sever CMS fails.
- The Main Sever encounters total Database failure.
- There is no communication between the Main and Standby Servers.

The High Availability CMS is equipped with internal self-safeguards as well as external ones. The internal safeguards are:

**Disks mirroring** - The database disks are mirrored by the database engine software, ensuring an automatic continued operation should a disk crashes.

**The hot-swappable disks** are configured in A RAID 5 configuration, which enable swapping of a failed disk without any data lose, while the system is fully operational.

**Internal Tests** - Diagnostic software process continuously checks the CMS for possible initial failure indicators such as available space on system disks, available space in database devices, and activity of the various software processes. Should a problem is encountered a system message is logged and an automatic notification is sent to the system administrator. Where possible, the self-diagnostic software attempts to perform corrective actions, such as trying to reactivate inactive software processes.

The system with all associated equipment and services **shall** be located in a secure, controlled access and air-conditioned facility.

ElmoTech Response: The ElmoTech system is located in a secured, access controlled, and air-conditioned facility.

All monitoring data, including phone calls, must be recorded and available during the life of the contract and three years beyond contract end date.

ElmoTech Response: All monitoring data will be recorded and saved for the period required.

The system **shall** be capable of continuously receiving, and storing all data sent by home monitoring units. All data **shall** be continuously stored electronically, accessible by officers via the Internet, and be printable in various formats, as required.

ElmoTech Response: All data accumulated by field units is uploaded immediately or within the next call-in to the central system. All data received in the central system is stored.

The Sybase Database includes three levels of data storage:

1. The real time database – Includes the active offender's data and the accumulated real-time field data for the last 24-48 hours (this period of time can be modified by the system administrator). This data is accessible via the different application pages.
2. The History database – Includes the post-active offender's data and field data, which is

older than 24-48 hours. This data is available via a wide range of reports and on screen using the 'Get History' option.

3. The Archive database - Typically, offender data is kept for 6 months, after he/she completes the program and then it is archived into a magnetic media, and only a summary record is kept in the database. Upon request, the content of a selected archive can be loaded into the archive database, from where reports concerning a certain offender can be generated.

The database content is automatically replicated from the main server to the standby server, and on top of that it is automatically backed-up to a side remote computer, few times a day.

Once the data is received it is processed manually or automatically and sent to the officers via a variety of optional communication means (e-mail, pagers, fax, SMS). All of the these processes and actions are permanently recorded and is accessible via the internet by authorized users.

The system **shall** enable officers with properly configured laptop and/or home personal computers (including Microsoft Internet Explorer or Netscape web browser version 4.0 or later) to access their caseloads from home or any location via Internet access using the password from the Vendor.

ElmoTech Response: The system allows officers with properly configured computers and authorized access to work from any location with a computer on their caseload.

**MONITORING SERVICES/SYSTEM COMPUTER HARDWARE AND/OR SOFTWARE** The Vendor **shall** notify the Agency staff of any or all of the following events:

Unauthorized absences from the residence.

Failure to return to residence from a scheduled absence.

Late arrivals, early departures from residence.

Equipment (including, but not limited to transmitter and receiver/dialer) malfunctions.

Entry into exclusion zones or exit from inclusion zones for location tracking equipment.

Tampering with equipment.

Loss of electrical power or telephone service.

Location verification failure.

Missed calls from the receiver/dialer.

ElmoTech Response: All the above events are notified on by the system. The notifications can be via fax, e-mail, pager, or cell phone.

Access to the monitoring center and all records it houses **shall** be restricted to only authorized individuals

ElmoTech Response: All access to the center and data is strictly controlled.

The monitoring center **shall** provide a means of secured communication with Agency staff to guarantee the security of data

ElmoTech Response: All information is secured and the communication is secured.

The monitoring center **must** provide a computer database that is programmable for all client information (eg,demographic data, employment and school information, curfews) The system should be upgradable to permit the addition of information as needed. The monitoring center should be able to accurately modify offender information when requested to do so by Agency staff

ElmoTech Response: The ElmoTech system allows for upgrades and gives access to authorized users to program client information. The monitoring center can also modify offender information when requested by Agency staff.

The Agency **shall** be notified in advance, and in writing, of any change in the location of the monitoring center or any backup center.

ElmoTech Response: ElmoTech will notify in writing in advance of any changes.

The monitoring center **shall** have contingency plans in place in the event of electrical power loss, telephone service loss, or other events that might compromise the security of information and the operation of the monitoring center,

ElmoTech Response: The monitoring center has two generators (one natural gas and one diesel), battery back-up, phone lines coming from opposite corners of the building to avoid accidental cuts, multiple long distance carriers in case of system outage, and a fully redundant system as described above.

The monitoring center **must** have a central computer that employs a fully redundant data storage system in addition to a remote backup computer with all monitoring software installed In the event of a system failure, the alternate computer's records **must** be updated with the most recent monitoring data and the alternate system **must** immediately be placed on line, ensuring virtually uninterrupted monitoring.

ElmoTech Response: The system is fully redundant and explained above.

The monitoring center should have multiple options for notifying Agency personnel of any unauthorized absences, late arrivals, equipment malfunctions, tampering, loss of power, or other activities indicating a violation or equipment problem for the offender The center should be able to develop a schedule for notification and use the communications methods preferred by Agency staff

ElmoTech Response: The system can notify via fax, pager, cell phone, e-mail or local printer. The center can develop any type of schedule for notification required.

The monitoring center must be staffed with qualified, trained response personnel twenty four (24) hours per day, seven (7) days a week.

ElmoTech Response: The monitoring center is staffed with trained, professional personnel 24/7.

The monitoring center must be staffed with knowledgeable technicians who can provide on-call technical assistance at all times, 24 hours a day 7 days a week

ElmoTech Response: All the monitoring center personnel have been trained and certified to troubleshoot technical problems and correct them. IT and Technical support, for larger issues, are available 24/7.

### **Random/Scheduled Tracking:**

ElmoTech Response: ElmoTech understands this section of the bid was removed. We are providing information about our E3 Voice Verification module for the State's review.

### ***Voice verification***

The Multi lingual Voice Verification program utilized within Elmo-Tech's integrated platform, establishes a record of biometric information that is unique to the subject and checks the biometric information from an individual claiming to be the subject against the subject's stored record.

The Voice Verification program is simple to use, fraud proof and flexible.

The subject 's enrolment, i.e. data entry and voice signature capturing, as well as handling incoming biometric related event messages, is done from the same Graphic User Interface (GUI) which is used for monitoring home detention subjects, as well as subjects under GPS tracking programs or Alcohol tests. This Integrated System concept simplifies and shortens monitoring personnel training and their on-going monitoring activity, thus contributing to the overall efficiency and effectiveness of the Department.

The integrated monitoring platform concept enables RF monitoring in conjunction with Voice Verification. For example, subject may be monitored via regular RF during the night time, while during the day time, they need to call in the monitor centre from predefined locations within predefined schedule, in order to ensure their presence.

### **3.3 *Voice Verification Process***

The Monitoring Center calls the client and performs an Enrollment process. The Enrollment is a single session that includes 3 repetitions of each sentence. The number of random sentences (passwords) varies from 2 to 5 depending on the Department's decision. The Enrollment process takes about 1 minute of speech.

Once the Enrollment succeeds the program turns to active. An immediate verification call can be generated. Such an authentication requires a single repetition and is immediate. The Authentication process takes about 5-10 seconds of speech.

Authentication and Enrollment are performed in the background of a natural conversation.

Test results are sent directly to the Monitoring Center. The client is automatically re-tested upon a false result.

The Voice verification program consists of tests performed automatically, randomly scheduled or on-demand basis.

The system is capable of handling both incoming and outgoing calls. The outgoing calls are random (distributed randomly within a time frame), automatic (performed automatically upon occurrence of pre defined events) or manual (monitor center users are capable of manually triggering a voice verification request, via Elmo-Tech's EMS software application GUI). The incoming calls are scheduled at specific time frames, which the offender must comply with. A smart Caller ID mechanism is utilized when Caller ID data is available.

Elmo-Tech's EMS system checks that the subject is calling from his or her designated location. If Caller ID data is not available, the subject is requested to type-in the phone number from where the call is executed, and the EMS System then dials back, using the provided number, and performs the check.

In order to eliminate the possibility of a "follow up" outgoing call, this test can be followed by an incoming call using the Caller ID mechanism.

The EMS shall detect all attempts to telephone it, or respond to telephone calls from it, other than from the location specified for a subject.

The EMS Voice program is fraud proof in several means:

- Utilizing a State of the Art voice print engine that stands in the frontline marketplace performance.
- Uses a smart random calls engine – that hardens the ability to learn the system patterns by the subject.
- Performs a record proof of tests.
- Utilizes a smart Caller ID mechanism.
- Uses a self-learning calibration that reduces the EER (Estimated Error Rate) from 7%-8% to 1%-2%.

Elmo-Tech's EMS System is capable of making any number of telephone calls to each subject each day. These calls can be randomly generated by the system at specified time windows, or performed at agreed upon time slots. The number of calls that the system can generate per day is dependant upon the number of phone lines available for this task. Elmo-Tech's system shall be designed (a) to be able to manage the anticipated initial load of Voice Verification calls, and (b) be capable of being easily expanded as the program expands.

Multiple verification locations can be defined, before as well as after the subject's enrolment, via Elmo-Tech's EMS software application GUI.

### **Voice Verification engine**

Elmo-Tech's EMS system uses proprietary voice verification technology developed by Persay, a leading communications company. Elmo-Tech employs the Persay voice verification engine by license in their database application and receives ongoing support from their technical staff.

Persay is a leading provider of advanced voice verification systems and solutions based on voice biometrics-used to reliably verify that speakers are who they say they are. The company's technology

enables reliable and cost-effective verification of callers by their voice over the phone in just a few seconds. Language and accent-independent, Persay's products harness the biometric power of voice, the same way fingerprints, and iris scanning or other physiological and behavioral characteristics are used to verify identity. Persay's voice engine is used by global telecom carriers, call centers, financial institutions and banks, e-commerce sites, as well as in security conscious markets, like law enforcement and security.

This state-of-the-art technology has an accuracy rating of over 97% accurate and as a result, the authentication of the subject's identity is extremely reliable and the number of "false alarms" is minimized.

**System Features**

- 1. Monitoring and authentication Offenders via random outgoing calls during specific time periods to an authorized location or locations.**

01/01/2006 00:00						Curfew Length:						236					
Friday 13/05/2005				Saturday 14/05/2005				Sunday 15/05/2005									
From		To		From		To		From		To							
<input checked="" type="checkbox"/>	08:00	12:00	<input checked="" type="checkbox"/>	13:00	16:00	<input checked="" type="checkbox"/>	08:30	14:00									
Work				Mother				Mother									
Friday				Saturday				Sunday									
From	To	#	From	To	#	From	To	#									
11:00	13:00	2	13:00	16:00	3	09:00	09:00	1									
Outgoing				Out & In				Incoming									

Each offender can have a unique curfew schedule created for his entire program duration. This schedule can be modified at any given time. The curfew schedule is associated with the offenders' home by default, but can be associated with multiple locations, if required. The system will generate the outgoing test calls to the designated location. Within curfew timeframes, it is possible to create tests frames for the entire duration of the curfew or only for a part of it. The number of tests per frame can be determined by the user, whereas the exact time of tests will be generated randomly by the system according to pre-defined rules such as: minimum time between tests and grace time for late arrival and early departure.

- 2. Monitoring and authenticating Offenders via incoming calls from authorized remote locations during scheduled time frames.**

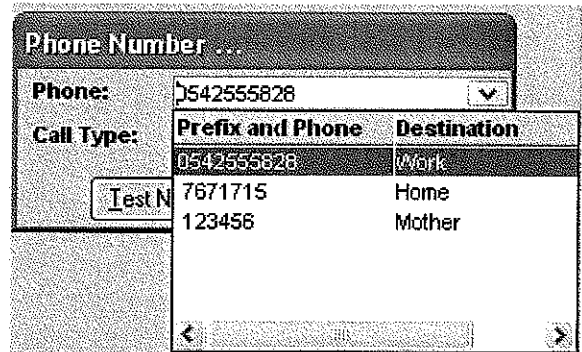
Each offender can have a unique curfew schedule created for his entire program duration. This schedule can be modified at any given time. The curfew schedule is associated with the offenders' home by default, but can be associated with multiple locations, if required. The user

can create specific timeframes for the offender to perform incoming authentication tests. Each offender will receive a report indicating these specific timeframes. The system will expect to receive the incoming test calls from the designated location. In case the offender performs the test from a different location, it will be marked as a violation in the system. In case the offender does not comply with his incoming tests, after a configurable grace time the system will generate an error message indicating that the offender did not comply with his scheduled test. This error, like others, can be then sent automatically to field officers via email, pager, SMS or fax. Incoming tests performed not during the pre defined schedule frames can be automatically disconnected in order to save on communication costs.

In addition to outgoing and incoming calls, the system has a unique out & in test that does not count on the offenders' ability to call, but generates the tests to him. Nevertheless, once the outgoing test is completed the system demands from the offender to call in, in order to verify his location and eliminate the possibility of 'Follow Me' calls.

**3. On-demand voice verification calls at specific times, in addition to the automatically scheduled.**

The system enables on demand calls in addition to the automatic outgoing calls. At any given time, an authorized user can prompt a verification call to any of the offenders' locations existing in the system or to a new 'Ad Hoc' location. Besides that, the system can be programmed to generate a test at a specific time and not only during a timeframe.



**4. Identify features on the phones.**

The system will identify many phone features, like call follow, call forward, answering machine, voice mail, fax, or modem.

**5. Once Offender information is entered, little, or no operator intervention will be required.**

The system is fully automated. Once a quick procedure of inserting a new offender to the system is completed, the entire process can be done automatically, including generating tests and notifying designated officers to their e-mails, pagers, cell phones and faxes regarding offender statuses. The automatic processing includes the generating of the pre-defined outgoing calls, and in case the tests do not succeed, a retries procedure will automatically follow any failed test. After a configurable amount of retries is over, events indicating the errors will be generated in the system.

**6. Notifications and retries generated automatically.**

The system is fully automated. Any event occurring in the system will be, if configured, automatically sent to designated personnel via e-mails, pagers, cell phones and faxes regarding offender statuses. The automatic processing includes a retries procedure that will automatically follow any failed notification. After a configurable amount of retries is over, events indicating the errors will be generated in the system.

**7. Complete flexibility with respect to the number of calling periods as well as the frequency of calls generated for each calling period.**

The offered Elmo-Tech electronic monitoring system enables the users complete flexibility with parameters inserted into the system. When creating or modifying offenders, test calls will be automatically generated according to pre-defined schedules. Each offender can have a user-defined test schedule with a number of timeframes per day. Each timeframe can be attached with a minimum of 1 test and a maximum of tests that match the configurable rule of minimum time gap between tests. Once the user defines the timeframe and wanted amount of test within that frame, the system will randomly set the time that each test will be performed.

**8. Multiple, overlapping notification types for both violations and status changes which allows the supervising officer to determine how they will be notified on specific days/time of day.**

The EMS system offers a wide array of remote reporting capabilities: Email, Fax, Paging, SMS, Vocal notifications. Notification messages are automatically sent upon arrival of pre-selected field-reported events and / or violations and / or status changes. The distribution of information is selective and can be assigned / escalated upon pre defined rules.

**Email** notification messages can also be e-mailed. This feature requires the Department to have an existing Mail Server that has the capability to distribute the e-mails that will be sent to it directly by the Central Monitoring Server. This Mail Server can be either internally connected to the organizational Intranet, or to the external Internet via an Internet Service Provider (ISP). Elmo-Tech's proposal does not include the cost of the Mail Server and any annual subscription fee to be paid to the ISP, but does include the configuration services in order to make the Emailing service available in case the Department has such a service.

**Alphanumeric or numeric paging messages** can be sent to the officers' paging devices. Elmo-Tech's proposal does not include the paging devices or the subscription fee to the paging service provider.

**Short Message Service (SMS)** – the system also utilizes the **Short Message Service (SMS)** by allowing notification messages to be sent to officer's mobile telephones. Elmo-Tech's proposal does not include the subscription fee to the cellular service provider or the cost of the Short Message Service (SMS).

**Faxing** – notification messages can be faxed to any pre-defined fax number using a landline modem which is dedicated to the faxing service.

**Vocal messaging** - ("text to speech") this optional feature will call any pre-defined phone number and read the message to the authorized recipient (after entering an identification



code). This feature requires the installation of a voice generation card in the DCC computer, and is not included in primary proposal.

**Auto print** – the system offers the ability to print out automatically reports, of status changes events and violations upon occurrence.

The notification methods can be applied to specific events and violations and generated within specific configurable timeframes. Each user can define at any time the preferred way and time of notification.

**9. Each implementing agency can define the type an amount of Offender information to collect, which allows the system to be tailored to the agency’s specific needs.**

Each agency can define per event whether it will be displayed in the application, in case it is displayed, whether it will be automatically send by email, fax, pager, SMS or vocally sent to designated personnel and whether the event will be automatically printed on a report format. Every event can demand handling procedures, individually determined by every agency. The offered application is flexible and allows every agency to create its own environment.

Parameters	
Display:	<input checked="" type="checkbox"/>
Handle:	<input checked="" type="checkbox"/>
Auto Printout:	<input type="checkbox"/>
Auto Fax:	<input type="checkbox"/>
Auto Pager:	<input type="checkbox"/>
Auto Email:	<input checked="" type="checkbox"/>
Auto Voice:	<input checked="" type="checkbox"/>
Print:	<input checked="" type="checkbox"/>

**10. System is capable of using multi languages.**

The Elmo-Tech Voice Verification program is multi lingual and can generate authentication tests to different offenders with more than one language. For example, in case the participants in the system are Spanish speaking the system will generate verification tests and instructions in Spanish, while if other participants are English speakers the system will generate verification tests and instructions in English.

**Field Monitoring Devices:**

Field monitoring systems **must** be hand-held and portable, capable of being utilized by Agency personnel in the field and in an automobile to receive signals from transmitters.

ElmoTech Response: Elmo-Tech’s TRaCer™ is a lightweight, palm sized, portable monitoring device that can be used by officers in the field to detect the presence of subjects wearing Elmo-Tech Transmitters.

The TRaCer™ allows officers to discreetly confirm subject locations, while avoiding any physical contact as well as interruptions in subject daily activities. It enables officers to monitor subjects who are required to attend work, school, or counseling sessions, therefore helping monitoring personnel to verify compliance with schedule requirements and sentence restrictions.

Field monitoring devices **must** be FCC approved.

ElmoTech Response: Elmo-Tech's TRaCER™ is FCC approved. The FCC number is LSQ-MU-800.

The portable unit should receive signals from a transmitter regardless of where the transmitter is located. Field monitoring devices **must** receive signals from transmitter units at a minimum range of 500 feet.

ElmoTech Response: The TRaCER unit has a range of 400 to 700 feet.

Field monitoring devices **must** include an external antenna to receive signals from transmitter units while using the chive-by unit inside an automobile.

ElmoTech Response: The unit comes with a rubber duck antenna and a magnetic mount car top, external antenna.

Field monitoring devices **must** have the capacity to effectively store up to 250 transmitter events and record the date and time of such events.

ElmoTech Response: The TRaCER unit will store up to 3,000 events and has the ability to enter up to 200 offender NAMES in the unit.

Field monitoring devices **must** have the ability to distinguish between several transmitters in a given location.

ElmoTech Response: The unit will detect every transmitter in range or can be locked on a single transmitter.

A field-monitoring device **must** be able to download its log (stored information/events) to a personal computer or the host computer.

ElmoTech Response: The unit can be downloaded to a computer at the end of the day to store the messages and events.

The field-monitoring device **must** run on 12-volt automobile current and run a minimum of 8 hours on its internal, rechargeable battery.

ElmoTech Response: The unit has a 12 hour internal battery and comes with a car charger, 12 volt adapter.

The field monitoring device **shall** be equipped with a 110 volt wall adapter to charge the internal battery in less than 12 hours.

ElmoTech Response: The TRaCER unit has a 110v wall charger and will fully charge in 4 hours.

The field monitoring device should be equipped with a digital display which will show client ID number, data and time of event and transmitter status including any tamper indication and low battery.

ElmoTech Response: The TRaCER™ includes a Liquid Crystal Display (LCD), with backlight, and two menu navigation buttons. Included with the TRaCER™ is a water-resistant pouch with a belt-worn clip.

This newly introduced TRaCER™ unit enables **entry and display of offender's names** on the LCD, as well as transmitter serial numbers. Once an offender's name is entered into the unit internal memory, all offenders' events will be displayed under his name, rather than under his S/N. Each stored message includes the transmitter identification number, subject name, transmitter battery status, transmitter tamper status and current date and time. This user-friendly feature - a result of mutual work with and feedback from field officers around the globe - enables ease of case management and daily operations to the officers.

### **SATELLITE MONITORING (GPS)**

The provider must be capable of offering GPS portable tracking device that is capable of operating in a passive or active mode and is able to monitor, track and log a participant's movements in and out of their residences at all times.

ElmoTech Response: The STaR®, is a small (palm sized), belt-worn or carried by pouch, highly reliable device. The unit is equipped with an LCD screen that enables interactive communication with the carrying person. Other than the LCD, the unit contains communication modules (GPS, GSM and RF), warning devices (LED lights and audible beep effect) and acknowledgement buttons – to allow the interactive communication.

The STaR® unit receives RF signals from GPS satellites, calculates its current location, checks this location against the subject's pre-defined inclusion and exclusion zones and generates alarm messages should the offender violate his or her restriction/curfew order. The alarm messages as well as the location tracking points are transmitted to the Central Monitoring Center via the GSM (Global System for Mobile Communication) network. The STaR® unit can be placed in active or passive mode via the software, without need to change hardware in the field. The device constantly reports the location of the participant inside and outside their residence.

The system must have internet connection via a secure website.

ElmoTech Response: The STaR unit utilizes the SAME integrated host computer as all other ElmoTech products. Please see above for details.

The system must be able to create/use a mapping system that would identify the inclusion zones and exclusion zones. The mapping system must be the most current system available.

ElmoTech Response: ElmoTech utilizes NavTeq maps that will identify inclusion and exclusion zones. The mapping is updated twice per year to keep it as current as possible.

The supervising officer/Agency/supervisor must be notified of requested violations via fax/pager/telephone/cellular telephone and or e-mail.

ElmoTech Response: All violations are notified the same as described above.

The system must be able to be located by the supervising officer/Agency/supervisor at any time to ascertain the participant's location.

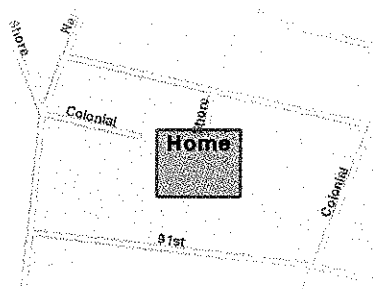
ElmoTech Response: The ElmoTech STaR unit (in active or passive mode) is the only two piece unit (more secure) that can be located via the monitoring center at any time to ascertain the participant's location.

The portable tracking device must be able to be programmed from a remote computer workstation, which is capable of creating inclusion zones and exclusion zones.

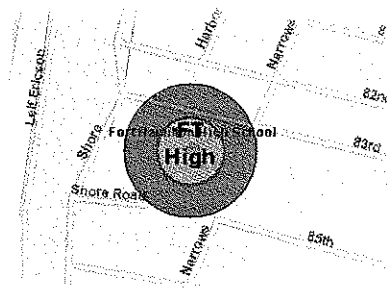
ElmoTech Response: The STaR® platform offers flexible zone management that addresses program managers' changing needs, and enables quick and friendly re-configuration during the program life. This includes the following basic features:

Exclusion Zones – A specified area in which the Offender is not allowed to enter (e.g. Domestic Violence, sex offenders). This zone is red in color on the software.

Inclusion Zones – A specified area in which the Offender must be present during a predefined daily schedule (home, work etc.). This zone is blue in color in the software.



*Rectangular Zone (inclusion zone)*



*Circular Zone (exclusion zone)*

**Zones shapes:**

Elmo-Tech's STaR® system offers not only circular shaped zones, but also rectangular zones.

Circular - defined by a radius around an address / location.

Rectangular - useful for creating zones around street blocks.

In addition, while creating zones, other properties can be added, such as grace time for inclusion zone schedules, attachment with a home unit, and detailed address information. Detailed address information works together with an advanced address search mechanism. An example of the information collected is shown below.

Zones		
Name	Type	Rule
office	Circular	Exclu...
Home	Recta...	Inclus...

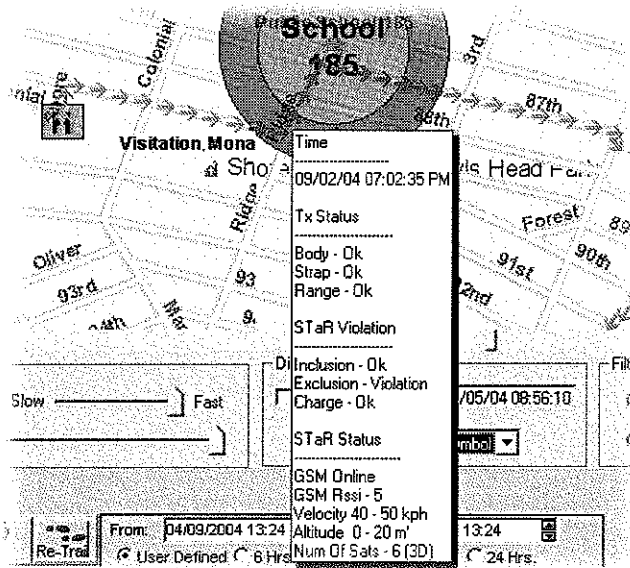
Properties	
Zone Name:	Home
Rule:	Inclusion
Cell ID:	Not Available
Grace Time:	15 min.
<input checked="" type="checkbox"/> Charge within:	10 min.
<input checked="" type="checkbox"/> Home Unit	
Zone Type	
<input type="radio"/> Rectangular	<input checked="" type="radio"/> Circular

Add	Delete
Update	Undo

Circular Zone Properties	
Center Address	
State:	Tennessee
City:	Nashville
Address:	100 Briley St.
Zip Code:	52386
Center Coordinates Setting	
Center Latitude:	0.000000
Center Longitude:	0.000000
Radius:	54 Yard
Warning Area:	54 Yard

Below is an example of an offender's trail crossing an exclusion zone with details provided for each trail point:



**Additional Zone Features**

Warning (“buffer”) zone - program manager and/or the offender will receive a warning prior to entering an exclusion zone. For every circular exclusion zone, appearing in red in the above image, a warning area can be defined, as appears in purple in the above image.

Whenever the offender enters the warning zone, a message is logged, displayed, and/or sent to the monitoring center or designated destination (officer's pager, fax, e-mail, cell phone). This unique feature enables staff to know that an offender is approaching an exclusion zone, while the offender also receives a warning message when the warning area is entered.

***Reverse Geo-Coding***

Key features of the mapping software include the search engine (searching via address, keyword and coordinates) and the reverse geo-coding. Reverse geo-coding enables a user to acquire information regarding the address of each location point on a trail as well as any other areas on the map. Even the names of schools, parks and rivers can be seen using reverse geo-coding. This additional address information is very useful for investigative purposes; for example, if the offender goes to a certain area for an hour or so each day, reverse geo-coding enables staff to retrieve information about that area by a click of a button. It also enables staff to know the address of the offender's last location point.

The device must be able to be programmed to be able to take actions from the field in the event of a violation.

ElmoTech Response: The STaR unit is completely field programmable and takes actions in the field. This feature is very important in areas where cellular connectivity could be lost at times, so the unit will continue to operate, gather points and inform the offender of zone violations.

The field equipment must be equipped with built-in circuitry that will transmit an alarm signal in the event of tampering or removal.

ElmoTech Response: The STaR unit has internal checks if the case is opened and the transmitter has dual tampers (described above). In addition, the STaR unit has a motion sensor in the unit so it can determine when it is in motion but doesn't have GPS signal – avoiding the precarious event of giving an offender a false alibi.

The transmitter must not be a safety hazard or restrict the participant's activities.

ElmoTech Response: The transmitter is the same as used for the RF unit. Please see above for details.

The transmitter must be small and lightweight.

ElmoTech Response: The transmitter is the same as used for the RF unit. Please see above for details.

The battery in the transmitter must have at a minimum a one (1) year life expectancy for operation of the bracelet.

ElmoTech Response: The transmitter is the same as used for the RF unit. Please see above for details.

It is preferred that the device be attached to the participant using a reusable or a field replaceable strap that is adjustable to fit the participant.

ElmoTech Response: The transmitter is the same as used for the RF unit. Please see above for details.

The GPS device must be able to store contact points in the event that cellular coverage is lost.

ElmoTech Response: The STaR unit can store up to 4800 points.

The GPS device must be equipped with the technology to locate the device in the event it is discarded by the participant.

ElmoTech Response: The GPS device is equipped with a GPS receiver and a cellular modem. If the unit is discarded, prior to complete battery depletion, it should be able to be found by calling it and getting the location.

The GPS device must be able to withstand the everyday environment of the participants and also must be waterproof.

ElmoTech Response: The STaR unit is able to withstand the everyday environment of participants. The body worn portion of the STaR system is waterproof to 25 feet and the tracking device is water resistant.

The GPS device must be able to report whether it is being charged or not and alert the supervising officer/Agency/supervisor of a low battery approximately 4 hours before the device is no longer operational.

ElmoTech Response: The STaR unit will report when charged. The unit can also be programmed to make charging a requirement within 10 minutes of entering the residence (as an example).

The GPS device must be equipped with a minimum battery life of 24 hours while the participant is away from their home. If a provider needs an alternate charging source to get to 24 hours, it must be provided at no additional cost.

ElmoTech Response: The STaR unit has a 20 to 30 hour battery depending on the call frequency and violation messaging. The unit comes standard with a AC power adapter as well.

The GPS device must be FCC compliant, be surge protected and be made of hypoallergenic material.

ElmoTech Response: The STaR unit is surge protected and made of hypoallergenic material. The FCC number is LSQ-STAR-800.

The GPS system must use a web-based software application that should be quick and simple when entering basic data for operational use.

ElmoTech Response: The software application is the same as described above for the RF section. It is very user intuitive and very quick to use.

It is preferred that the GPS software application be a secure web based application that is accessible from anywhere for authorized users only without software installation on Agency computers.

ElmoTech Response: The software application is the same as described above for the RF section.

It is preferred that the software support all versions of Internet Explorer currently supported by Microsoft.

ElmoTech Response: The software application is the same as described above for the RF section. It is very user intuitive and very quick to use.

Provider's mapping software must have the ability to zoom in or out on any area of the map.

ElmoTech Response: The mapping software can zoom out to view the entire world and zoom in to view just a specific block, the maps are very flexible in the system.

Provider's software must have the ability to play back location history like a VCR – play, pause, rewind, stop, and fast-forward.

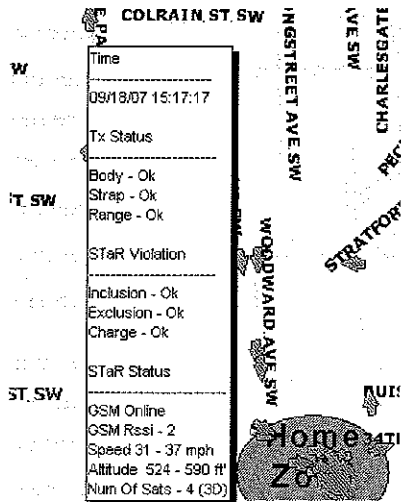
ElmoTech Response: The software allows for the playback of tracking history. A officer can choose a certain point in time and play the tracks from the offender for that period (this could be for a one hour timeframe or a one week timeframe.

Provider's software must have the ability to see an offender in real time or history of previous location points.

ElmoTech Response: The software allows to view all offender points in real-time or historically.

Provider's software must have the ability to show speeds, stops, and movements.

ElmoTech Response: The ElmoTech software shows speed, stops and movement by direction.



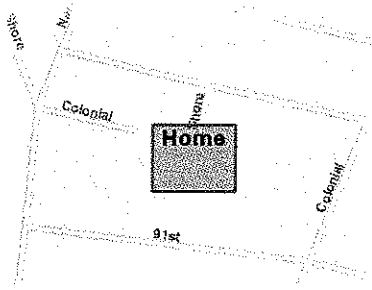
Provider's software must have the ability for authorized users to print from a map or any report screen.



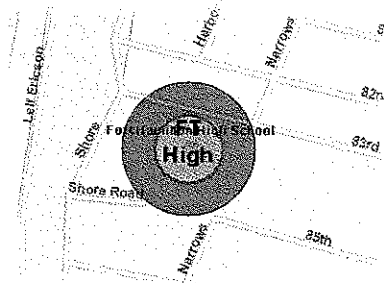
ElmoTech Response: The system will allow printing of the maps.

Provider's software must have the ability to establish inclusion and exclusion zones around fixed locations for both the active and passive systems.

ElmoTech Response: The system has the ability to have inclusion and exclusion zones for both the active and passive system.



*Rectangular Zone (inclusion zone)*



*Circular Zone (exclusion zone)*

**Zones shapes:**

*Elmo-Tech's STaR® system offers not only circular shaped zones, but also rectangular zones.*

*Circular - defined by a radius around an address / location.*

*Rectangular - useful for creating zones around street blocks.*

*In addition, while creating zones, other properties can be added, such as grace time for inclusion zone schedules, attachment with a home unit, and detailed address information. Detailed address information works together with an advanced address search mechanism. An example of the information collected is shown below.*

Name	Type	Rule
office	Circular	Exclu...
Home	Recta...	Inclus...

Properties

Zone Name: Home

Rule: Inclusion

Cell ID: Not Available

Grace Time: 15 min.

Charge within 10 min.

Home Unit

Zone Type

Rectangular  Circular

Add Delete

Update Undo <<

Circular Zone Properties

Center Address

State: Tennessee

City: Nashville

Address: 100 Briley St.

Zip Code: 52386

Center Coordinates Setting

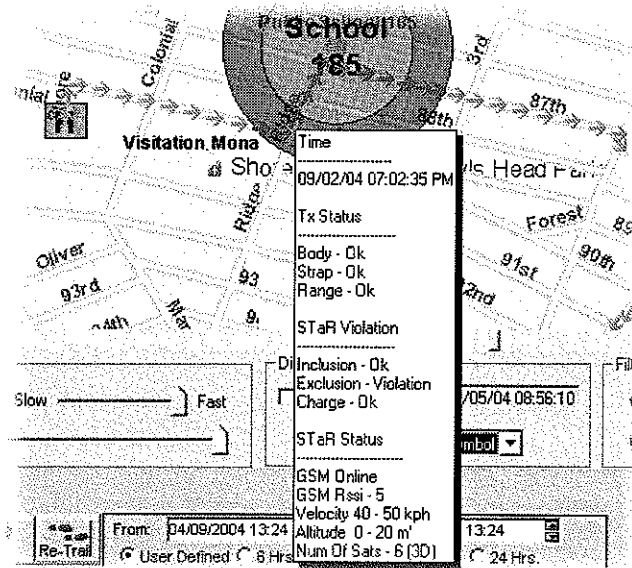
Center Latitude: 0.000000

Center Longitude: 0.000000

Radius: 54 Yard

Warning Area: 54 Yard

Below is an example of an offender's trail crossing an exclusion zone with details provided for each trail point:



Provider's software must have the ability to create customized schedules for each participant.

ElmoTech Response: Authorized users can create schedules for each participant. This has multiple curfew options and is very flexible for the officer.

**Warranty:**

The vendor agrees to warrant and assume responsibility for each hardware, firmware, and/or software product (hereafter called the product) that it licenses, or sells, to the State of West Virginia under this contract, The vendor acknowledges that the Uniform Commercial Code applies to this contract. In general, the vendor warrants that: (1) the product will do what the salesperson said it would do, (2) the product will live up to all specific claims that the manufacturer makes in their advertisements, (3) the product will be suitable for the ordinary purposes for which such product is used, (4) the product will be suitable for any special purposes that the State has relied on the vendor's skill or judgment to consider when it advised the State about the product, (5) the product has been properly designed and manufactured, and (6) the product is free of significant defects or unusual problems about which the State has not been warned, If problems arise, the vendor will repair or replace {at no charge to the State) the product whose non-compliance is discovered and made known to the vendor in writing. Nothing in this warranty **shall** be construed to limit any rights or remedies the State of West Virginia may otherwise have under this contract with respect to defects in any item or hardware, software, and or firmware delivered, developed, or modified under this contract.

ElmoTech Response: ElmoTech has read this warranty and agrees to its content.

4 Cost Bid

Item #	Description	Estimated Quantity	Unit Price Per Day	(x.365) days	Total Price Per Year
1	0-100 Continuous Signaling Field Monitoring Units	100	\$ 2.05	X 365	\$ 74,825
2	101-200 Continuous Signaling Field Monitoring Units	200	\$ 2.05	X 365	\$ 149,650
3	201-300 Continuous Signaling Field Monitoring Units	300	\$ 2.05	X 365	\$ 224,475
4	0-15 Drive-By-Units	15	\$ 1.05	X 365	\$ 5,748.75
5	0-35 GPS Passive Units	35	\$ 4.05	X 365	\$ 51,738.75
6	0-15 GPS Active Units	15	\$ 6.25	X 365	\$ 34,218.75
				<b>GRAND TOTAL</b>	\$ 166,531.25

Equipment Replacement Cost

E3 RF Home Unit (DCU)	\$ 775.00
E3 Transmitter	\$ 425.00
E3 Mobile Unit (TRaCEr)	\$1,800.00
STaR GPS Tracking Device	\$1,500.00
STaR GPS Home Unit	\$ 750.00

# STaR<sup>®</sup>

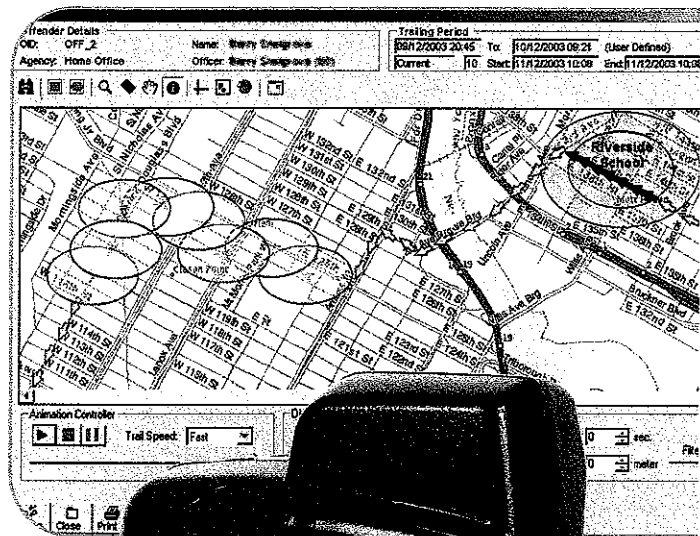
## Satellite Tracking and Reporting System Incorporating Pioneering Secondary Location Capabilities

### ▶ Secured & reliable offender tracking technology

Elmo-Tech's STaR<sup>®</sup> system takes **monitoring outdoors**, beyond the limits of set locations. Program operators are now able to monitor offenders wherever they are, as well as take advantage of the **full home detention monitoring capabilities**. Designed specifically for offender monitoring operations, security redundancies and anti-tamper means, are built-in across the platform, eliminating the offender's ability to deceive the system and making STaR<sup>®</sup> trusted and reliable.

### ▶ Exclusive, market-leading features:

- ▶ Multiple tracking modes: active, passive and hybrid
  - ▶ Secondary cellular location (LBS)
  - ▶ Quicker GPS acquisition through Assisted GPS (AGPS)
  - ▶ Advanced mapping and path surveillance capabilities
  - ▶ Real-time tracking using cellular communication protocols (GPRS)
  - ▶ Fully secured presence monitoring at fixed locations
- ▶ Palm-sized, lightweight
  - ▶ 16-24 hr. battery life\*
  - ▶ Tamper detection
  - ▶ Optional text message display



## STaR® - Designed for tight security and audit of offender's actions

Each monitored offender is assigned a body-secured tamper proof transmitter and a STaR® unit that must be carried all the time while outdoors. The STaR® system continuously tracks the monitored individuals in real-time. It continually stores and processes the data and communicates with the monitoring center or assigned officers to report locations or violations. Alerts are pre-set to individual schedules and zone restrictions.

## STaR® - Multiple monitoring modes in a single unit

- ▶ **Active - Real-time reporting of offender's movements and whereabouts**  
Exclusive on-line tracking via GPRS.
  - ▶ **Hybrid - Uncompromised tracking and supervision while cutting communication costs**  
Hybrid units continuously track and store offender location data given full compliance with the assigned rules and schedule. Upon violation, the system automatically switches to active mode, tracking the subject and reporting to the monitoring center in real-time.
  - ▶ **Passive - Continuous collection of location data and events uploads at set intervals**  
Minimizes operational costs by saving battery power and communication expenses.
  - ▶ **Home Detention - When at home, full house arrest monitoring capacities are automatically initiated**
- 
- ▶ **STaR® - Detailed information for any point along offender's trail ensures tracking accuracy**
    - ▶ Clearly mapped offender paths, circle and rectangular shaped zones
    - ▶ Advanced address matching capability
    - ▶ Integrated graphical information system engine
    - ▶ Scalable map display
    - ▶ Detailed, user defined, map supported reports
    - ▶ Authorized user data access over the Internet
  - ▶ **STaR® - A series of user configurable alerts**
    - ▶ Location limitations
    - ▶ Approach towards off-limits zones ("warning zones")
    - ▶ Presence inside off-limits zones ("exclusion zones")
    - ▶ Leaving pre-defined authorized zones ("inclusion zones")
    - ▶ Exact path surveillance ("bread crumbs")
    - ▶ Transmitter and GPS unit tamper attempts, battery status, interrupted communication

## Integrate GPS Monitoring Capabilities to Empower Remote Supervision Programs

GPS tracking can be applied as a separate measure or in combination with different intensive supervision tools. When integrated as a "plug and play" component to a control center already operating an Elmo-Tech Integrated Platform application, data from the STaR® is fed into a single database, which manages the full range of offender monitoring tools for efficient case management and operational flexibility. Field units and transmitter models interchangeability enable the seamless transfer of offenders across different programs and monitoring applications for efficient resource management.

### Additional monitoring tools available from Elmo-Tech under the Integrated Platform concept are:

Voice Verification, RF Presence Monitoring (standard or cellular), Remote Alcohol Monitoring, Group Monitoring, Officer Safety Tools.

## Independent Ownership & Control Over Data and Operations

Elmo-Tech offers flexible hosting of monitoring applications providing independent ownership of the data and control over operations: **A stand alone on-site host for independent data ownership and management, Secure remote hosting and Internet access.**

## An Industry Leader

**Elmo-Tech Ltd.** is a global provider of leading presence and location verification technologies, designed for monitoring individuals in the law enforcement, corrections and security markets. **Elmo-Tech** systems are employed by private operators and government agencies throughout the U.S., Europe, Pacific Rim and Latin America. **Elmo-Tech** was established in 1994 as a wholly owned subsidiary of the London Stock Exchange listed Dmatek (DTK.L).



[www.electronicmonitoring.com](http://www.electronicmonitoring.com)



Superior Law Enforcement Technologies

# Integrated Monitoring Platform



## ▶ Greater Value, Enhanced Operational Efficiencies

## ▶ Mix & Match: Interchangeable Monitoring Tools

- ▶ Overall cost reduction - hardware, software, and operations
- ▶ Comprehensive reporting, data management and information distribution

### One Tag Fits All - Enhanced Case Management

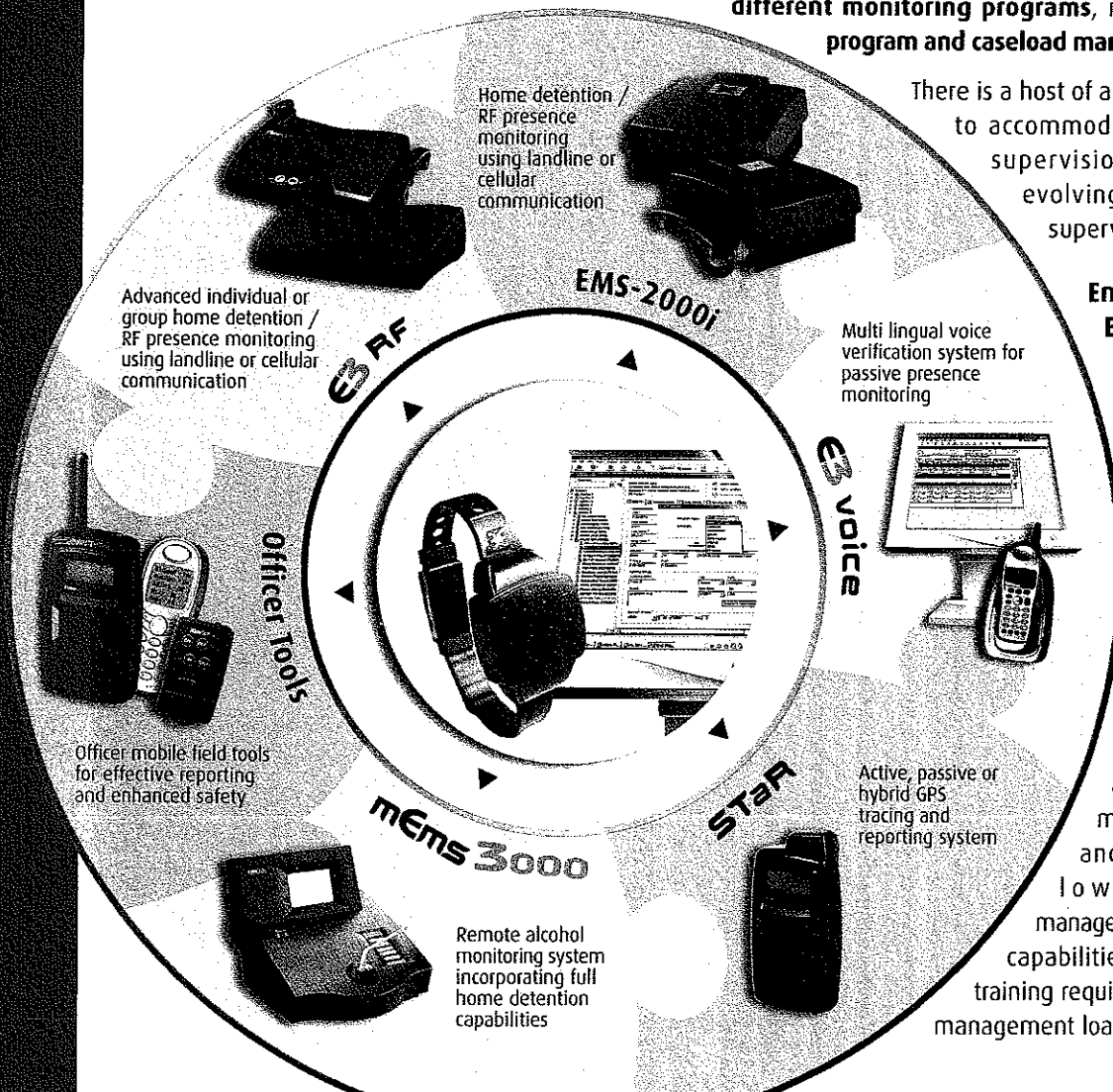
Elmo-Tech's Integrated Platform offers a full range of interchangeable electronic monitoring tools and communication technologies, enabling operators to integrate previously separate monitoring tools and software modules onto a **single platform**. The implementation of this unique concept enables significant financial and operational performance enhancements considerably improving control center and field officers workflow.

In addition, the same transmitters are compatible across the different field units and monitoring programs (RF, GPS, Alcohol Monitoring, Inmate Tracking), allowing for **seamless and flexible transfer of offenders across different monitoring programs**, resulting in **enhanced program and caseload management capabilities**.

There is a host of applicable combinations to accommodate varying levels of supervision and cater to the evolving needs of intensive supervision schemes.

### Enhanced Cost Efficiencies

Elmo-Tech's integrated platform solution allows operators to **make the most of technology benefits and tailor them to programs' needs**. Streamlining monitoring over a single platform **enhances the overall value of the program** as initial investment is minimized, installation and support costs are lowered, system management and maintenance capabilities are enhanced, and training requirements and inventory management load are reduced.

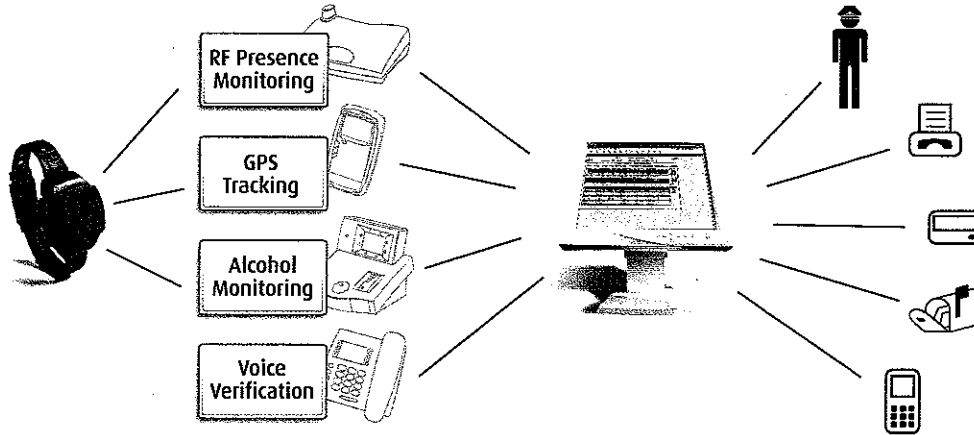


## Integrated Platform – single database and software interface for enhanced case management

All data entries reported from the different monitoring programs are logged into a **single database source**, providing **comprehensive** data management, advanced reports capabilities and enabling **improved tracking of offenders' compliance**. The integrated platform extends users a single software application that is **simple to operate**, where entries from the different monitoring tools are displayed for easy handling.

## Integrated Platform - a Single Communication Hub

- ▶ Streamlines all incoming and outgoing communication
- ▶ Manages information derived from multiple incoming channels, including landlines, cellular lines and cellular communication modules (SMS, GPRS)
- ▶ Distributes information to multiple reporting channels on scheduled, real time and on demand basis



## Mix & Match: integrating different monitoring tools accommodates varying levels of supervision

- ▶ **Multiple locations monitoring:** Perform intensive supervision in multiple locations, using the same or different monitoring tools
- ▶ **Enhanced presence monitoring:** Enhance RF presence monitoring with automatic confirmation based on biometric verification
- ▶ **Enhanced remote alcohol monitoring:** Apply a remote alcohol monitoring scheme combining visual verification with RF based home detention
- ▶ **Track inmates in prison & outdoors:** Combine RF based area monitoring inside correctional facilities with mobile RF monitoring units for transfers or active GPS tracking
- ▶ **Shift between communication modules:** Shift between landline and cellular based communication monitoring units in accordance with infrastructure availability



## An industry leader

**Elmo-Tech Ltd.** is a global provider of leading presence and location verification technologies, designed for monitoring individuals in the law enforcement and corrections and security markets. The integration of **Elmo-Tech's** systems in a variety of law enforcement applications is proven to be cost effective and reliable. The Company's strategy is to focus on the provision of superior technology solutions whilst collaborating with prominent local business partners to ensure the optimized distribution and service of its systems worldwide. **Elmo-Tech** systems are employed by private operators and government agencies throughout the U.S., Europe, Pacific Rim and Latin America. Elmo-Tech was established in 1994 as a wholly owned subsidiary of the London Stock Exchange listed **Dmatek (DTK.L.)**



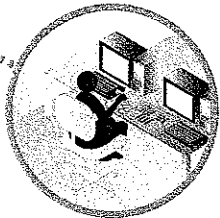
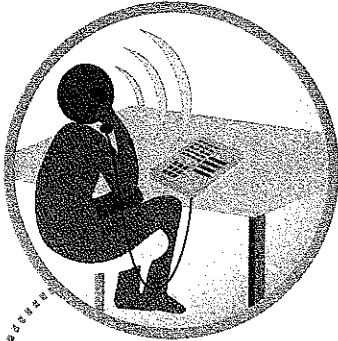
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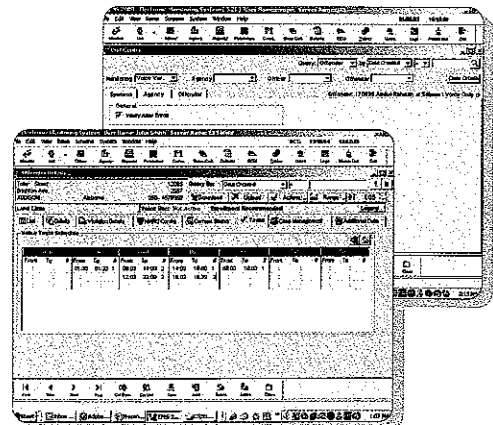
# **E3 voice**

## Multi-lingual Biometric Presence Verification System

### Biometric Authentication Tool

- ▶ **E3 - Voice** is a biometric authentication tool that **uses an individual's voice signature to ascertain their identity and compliance with a restrictive regime.**
- ▶ **E3 - Voice** is offered as a **stand-alone solution or as part of Elmo-Tech's integrated monitoring platform** for corrections and law enforcement applications. It can be used to automatically verify an offender's presence at a certain location, following an alert received from an Elmo-Tech RF based electronic monitoring system. Integrating **E3 - Voice** as a "plug and play" component to an already established Elmo-Tech monitoring center, results in **efficient case management, operational flexibility and efficient reporting.**
- ▶ **E3 - Voice** offers a wide array of high availability, replication, remote access and reporting features.

- ▶ Highly reliable, minimal error rate
- ▶ Quick and simple enrollment
- ▶ Scheduled, random, or on-demand automatic monitoring
- ▶ Multiple locations monitoring
- ▶ No equipment required
- ▶ Built-in anti-fraud measures
- ▶ Detailed, user-definable reports
- ▶ Real-time reporting to remote users via fax, pager, cellular or phone
- ▶ Password and /or free speech verification capabilities
- ▶ Seamless integration with other monitoring applications
- ▶ Cost effective





## Multi-lingual Biometric Presence Verification System

### Leading Edge, Secured Technology

E3 - Voice uses the most advanced technology available, **extending users operational simplicity while offering high security and reliability levels.** E3 - Voice authentication engine is based on an "acoustic recognition" principle. The recorded voice samples create individually unique voice signatures. The system is designed to deliver reliable results even when background noise or line-quality interfere with the test. Voice signatures are encrypted for added security. The verification engine behind the E3 - Voice module was originally designed for demanding civil defense, intelligence and security functions. Currently it is also utilized by leading telecommunications and financial institutions.

- ▶ **Password based enrollment**
- ▶ **Automatic, continuous calibration for improved results**
- ▶ **Patented acoustic recognition algorithms**
- ▶ **Detection of recordings and impersonations**
- ▶ **Advanced voice signature encryption**

### Language Independent System; Multi-lingual User Interface

E3 - Voice supports all languages, local accents and dialects, including native and non-native speakers. Individual voice signatures created during the enrollment process are based on distinct speech characteristics, which are identifiable regardless of the languages or accents, and enable significantly improved performance in multi-dialect environments. E3 - Voice offers a multi-lingual user interface, both for the monitoring center personnel (multi-lingual application) and the clients (multi-lingual voice prompts).

### Automatic, Simple Monitoring Process

The voice verification monitoring process starts with a quick and simple enrollment, which can be performed from any phone. Following enrollment, the voice verification tests are initiated automatically or manually, randomly or based on a predefined schedule as required by the program operator. The system stores the test results and enables the monitoring center operator to view and print out a detailed report of the voice verification history of each offender. Schedule modifications can be performed remotely through the monitoring software.

#### Tests are prompted:

- ▶ Automatically, in accordance with offender's pre-defined schedule, randomly or at set times
- ▶ By the monitoring center operator as part of a random checking process and within the predefined permitted daily testing hours
- ▶ Through incoming calls to the monitoring center by the offender, following a restrictive schedule
- ▶ By alerts generated by other monitoring or tracking systems

## An industry leader

**Elmo-Tech Ltd.** is a global provider of leading presence and location verification technologies, designed for monitoring individuals in the law enforcement, corrections and security markets. The integration of **Elmo-Tech's** systems in a variety of law enforcement applications is proven to be cost effective and reliable. The Company's strategy is to focus on the provision of superior technology solutions whilst collaborating with prominent local business partners to ensure the optimized distribution and service of its systems worldwide. **Elmo-Tech** systems are employed by private operators and government agencies throughout the U.S., Europe, Pacific Rim and Latin America. Elmo-Tech was established in 1994 as a wholly owned subsidiary of the London Stock Exchange listed **Dmatek (DTK.L.)**



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Superior Law Enforcement Technologies

# **E3<sup>®</sup>** RF PRESENCE *monitoring system*

**Leading you into the next decade of home  
detention technology**

Elmo-Tech's RF technology was developed with a long-term view to customer technology needs when it comes to presence and home detention monitoring. This RF presence monitoring system is a powerful, comprehensive monitoring tool, designed on the basis of a decade of cumulative field experience and market feedback. The E3<sup>®</sup> RF Presence Monitoring System ensures our clients all their monitoring needs are accounted for and securely performed, while enabling careful management of operational resources.

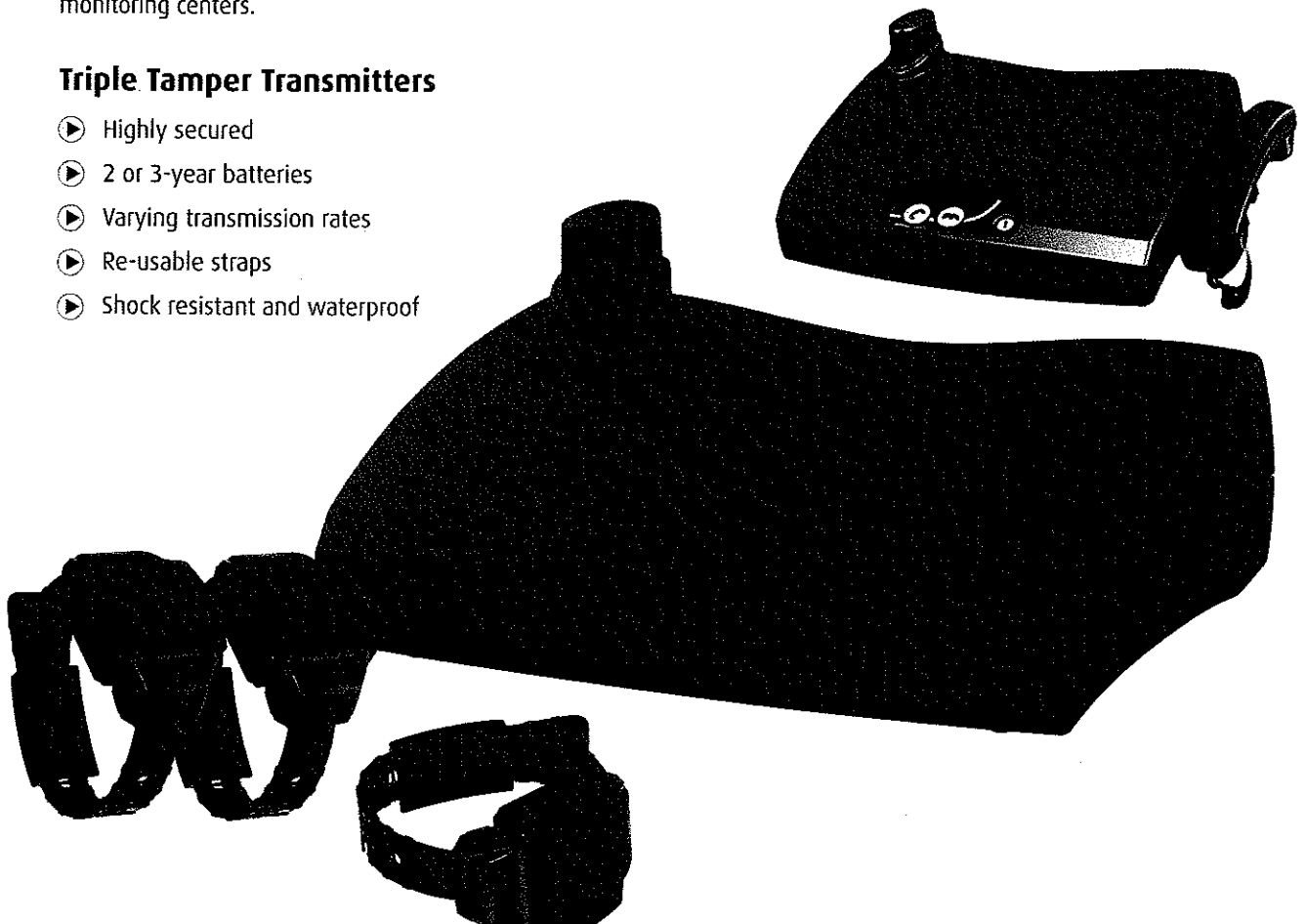
## **Interchangeable Communication Infrastructures - Landline (PSTN), Cellular and GPRS**

E3<sup>®</sup> Monitoring data transfer can be performed using landline or cellular networks. When cellular communication is deployed, operators can use GSM Data or GPRS modules, pending availability. All types of units can operate alongside each other over the same unified monitoring platform to accommodate operators' needs.

E3<sup>®</sup> cellular communication unit operators benefit from communication, cost and program security efficiencies of cellular networks. Cellular systems additionally extend operators two-way communication with emergency and monitoring centers.

## **Triple Tamper Transmitters**

- ▶ Highly secured
- ▶ 2 or 3-year batteries
- ▶ Varying transmission rates
- ▶ Re-usable straps
- ▶ Shock resistant and waterproof



## An Unprecedented Range of Operational Advantages

- ▶ **Multiple Tamper Detection Mechanisms**
  - ▶ Triple tamper transmitters
  - ▶ Advanced multiple tamper and malfunction alerts for local monitoring units
- ▶ **Flexible Schedule Options & Range Settings**
- ▶ **Operational Cost Savings**
  - ▶ **Efficient communication protocols** using faster modems enhance the performance level and result in fewer and shorter calls
  - ▶ Further reduced communication costs available in **GPRS\*** enabled **Cellular models**
  - ▶ **Multiple-monitoring of up to 50 offenders** by a single unit allows operators to reduce investments in monitoring hardware in multi-offender monitoring environments, yet enabling individual scheduling
  - ▶ Remote upgrade and update capabilities **eliminate the need for firmware upgrades**
- ▶ **Powerful Back-Up Mechanisms**
  - ▶ Extended memory capacity for storing and processing a multitude of events
  - ▶ 48 backup battery for power service breaks
- ▶ **New Compact Design**

## Extended Range of Officer Field Tools

The E3® RF Presence Monitoring System features communication and officer safety tools, including mobile units; immediate, coded text or voice messages to officers' mobile phones, pager, fax, telephone and e-mail; remote Internet access to all authorized monitoring features; and electronic keys incorporating officer duress capabilities while at offender's premises.

\* General Packet Radio Service, a new, 'always-on' packet-based data service that allows information to be sent and received across mobile telephone networks.

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## Integrated Monitoring Capabilities – Empowering Remote Supervision Programs

RF presence monitoring can be applied as a separate measure or in combination with different intensive supervision tools. When integrated as a "plug and play" component to a control center already operating Elmo-Tech Integrated Platform application, data from the E3® RF Presence monitoring systems is fed into a single database, which manages the full range of offender monitoring tools for efficient case management and operational flexibility. Field units and transmitter models interchangeability enable the seamless transfer of offenders across different programs and monitoring applications for efficient resource management.

**Additional monitoring tools available from Elmo-Tech under the integrated platform concept are:** GPS Tracking (active, passive or hybrid), Voice Verification, Remote Alcohol Monitoring, Group Monitoring.

## Independent Ownership & Control Over Data and Operations

Elmo-Tech offers flexible hosting of monitoring applications providing independent ownership of the data and control over operations:

- ▶ **A stand alone on-site host for independent data ownership and management**
- ▶ **Secure remote hosting and Internet access**

## An Industry Leader

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