

**ORDER FOR SUPPLIES OR SERVICES**

<b>1. CONTRACT PURCH ORDER/AGREEMENT NO.</b> W56HZV-04-P-0676				<b>2. DELIVERY ORDER/CALL NO.</b>		<b>3. DATE OF ORDER/CALL (YYYYMMDD)</b> 2004SEP17		<b>4. REQUISITION/PURCH REQUEST NO.</b> SEE SCHEDULE		<b>5. PRIORITY</b> DOA4		
<b>6. ISSUED BY</b> TACOM WARREN AMSTA-AQ-ALEC TERRY ZIELINSKI (586)574-5833 WARREN, MICHIGAN 48397-5000 EMAIL: ZIELINST@TACOM.ARMY.MIL HTTP://CONTRACTING.TACOM.ARMY.MIL			<b>CODE</b> W56HZV		<b>7. ADMINISTERED BY (if other than 6)</b> DCMA GRAND RAPIDS RIVERVIEW CENTER BLDG 678 FRONT ST., NW GRAND RAPIDS, MI 49504-5352  SCD: C PAS: NONE ADP PT: HQ0337				<b>8. DELIVERY FOB</b> <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)			
<b>9. CONTRACTOR</b> BORISCH MANUFACTURING CORP 4511 E PARIS AVE SE GRAND RAPIDS, MI. 49512-5314  NAME AND ADDRESS  TYPE BUSINESS: Other Small Business Performing in U.S.			<b>CODE</b> 01BB2		<b>FACILITY</b>		<b>10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD)</b> SEE SCHEDULE			<b>11. X IF BUSINESS IS</b> <input checked="" type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMAN-OWNED		
<b>14. SHIP TO</b> SEE SCHEDULE			<b>CODE</b>		<b>15. PAYMENT WILL BE MADE BY</b> DFAS - COLUMBUS CENTER DFAS-CO/NORTH ENTITLEMENT OPERATION P.O. BOX 182266 COLUMBUS OH 43218-2266				<b>CODE</b> HQ0337		<b>MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2</b>	
<b>16. TYPE OF ORDER</b> DELIVERY/ CALL PURCHASE X THIS DELIVERY ORDER IS ISSUED ON ANOTHER GOVERNMENT AGENCY OR IN ACCORDANCE WITH AND SUBJECT TO TERMS AND CONDITIONS OF ABOVE NUMBERED CONTRACT. Reference your <input type="checkbox"/> Oral <input checked="" type="checkbox"/> Written Quotation W56HZV04Q0429, Dated 2004FEB20. RANDY TANIS furnish the following on terms specified herein. ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.												
NAME OF CONTRACTOR			SIGNATURE			TYPED NAME AND TITLE			DATE SIGNED (YYYYMMDD)			
<input type="checkbox"/> If this box is marked, supplier must sign Acceptance and return the following number of copies:												
<b>17. ACCOUNTING AND APPROPRIATION DATA/LOCAL USE</b> SEE SCHEDULE												
<b>18. ITEM NO.</b>	<b>19. SCHEDULE OF SUPPLIES/SERVICE</b> SEE SCHEDULE CONTRACT TYPE: Firm-Fixed-Price  KIND OF CONTRACT: Supply Contracts and Priced Orders					<b>20. QUANTITY ORDERED/ACCEPTED*</b>	<b>21. UNIT</b>	<b>22. UNIT PRICE</b>	<b>23. AMOUNT</b>			
* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.			<b>24. UNITED STATES OF AMERICA</b> ELLEN DENNIS /SIGNED/ DENNISE@TACOM.ARMY.MIL (586)574-8056 BY: CONTRACTING/ORDERING OFFICER					<b>25. TOTAL</b>	\$4,544.00		<b>26. DIFFERENCES</b>	
<b>27a. QUANTITY IN COLUMN 20 HAS BEEN</b> <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO CONTRACT EXCEPT AS NOTED												
<b>b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE</b>						<b>c. DATE (YYYYMMDD)</b>	<b>d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE</b>					
<b>e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE</b>						<b>28. SHIP. NO.</b>	<b>29. D.O. VOUCHER NO.</b>		<b>30. INITIALS</b>			
<b>f. TELEPHONE NUMBER</b>			<b>g. E-MAIL ADDRESS</b>			<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	<b>32. PAID BY</b>		<b>33. AMOUNT VERIFIED CORRECT FOR</b>			
<b>36. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT.</b>						<b>31. PAYMENT</b> <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	<b>34. CHECK NUMBER</b>					
<b>a. DATE (YYYYMMDD)</b>		<b>b. SIGNATURE AND TITLE OF CERTIFYING OFFICER</b>							<b>35. BILL OF LADING NO.</b>			
<b>37. RECEIVED AT</b>		<b>38. RECEIVED BY (Print)</b>		<b>39. DATE RECEIVED (YYYYMMDD)</b>		<b>40. TOTAL CONTAINERS</b>	<b>41. S/R ACCOUNT NUMBER</b>		<b>42. S/R VOUCHER NO.</b>			

<b>CONTINUATION SHEET</b>	<b>Reference No. of Document Being Continued</b> <b>PIIN/SIIN</b> W56HZV-04-P-0676 <b>MOD/AMD</b>	<b>Page 2 of 12</b>
<b>Name of Offeror or Contractor:</b> BORISCH MANUFACTURING CORP		

SUPPLEMENTAL INFORMATION

Regulatory Cite	Title	Date
1 52.204-4016 (TACOM)	TACOM-WARREN ELECTRONIC CONTRACTING	JUL/2003

(a) TACOM is now operating in an electronic contracting environment. All TACOM solicitations and awards are now distributed on the TACOM Warren Business Opportunities web page (<http://contracting.tacom.army.mil/opportunity.htm>) and are no longer available in hard copy. The TDPs and other documents, when available electronically, will be an attachment or linked to the solicitation package on the web. Please see submission guidelines at <http://contracting.tacom.army.mil/userguide.htm> and <http://contracting.tacom.army.mil/ebidnotice.htm> for more information. Any requirements included in the solicitation take precedence over guidance found on the TACOM contracting web page.

(b) You may need to use special software to view documents that we post on the home page. This viewing software is freeware, available for download at no cost from commercial web sites like Microsoft and Adobe. In cases where such software is required, we provide a link from our page to the commercial site where the software is available. Once you arrive at the software developer's site, follow their instructions to download the free viewer. You then can return to the TACOM home page.

(c) You are required to submit your offer, bid, or quote electronically. See the provision entitled "Electronic Offers (or 'Quotes' or 'Bids') Required in Response to This Solicitation (or 'Request for Quotations')" for more specific information.

(d) Any award issued as a result of this solicitation will be distributed electronically. Awards posted on the TACOM Warren Business Opportunities web page represent complete OFFICIAL copies of contract awards and will include the awarded unit price. This is the notice required by Executive Order 12600 (June 23, 1987) of our intention to release unit prices in response to any request under the Freedom of Information Act (FOIA), 5 USC 552. Unit price is defined as the contract price per unit or item purchased as it appears in Section B of the contract and is NOT referring to nor does it include Cost or Pricing data/information. If you object to such release, and you intend on submitting an offer, notify the PCO in writing prior to the closing date identified in this solicitation and include the rationale for your objection consistent with the provisions of FOIA. A release determination will be made based on rationale given.

(e) If you have questions or need help in using the Acquisition Center Home Page, call our Electronic Contracting Help Desk at (586) 574-7059, or send an email message to: [acqcenweb@tacom.army.mil](mailto:acqcenweb@tacom.army.mil)

(f) If you have questions about the content of any specific item posted on our home page, please call the buyer or point of contact listed for the item. Additional help is available to small businesses from Government-funded Electronic Commerce Regional Centers (ECRCs) to implement EDI. Information on ECRC is available at <http://www.ecrc.ctc.com>

[End of Clause]

2 52.215-4854 (TACOM)	PAPERLESS ELECTRONIC RESPONSES REQUIRED IN RESPONSE TO THIS SOLICITATION/REQUEST	JUL/2002
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TACOM WILL NOT ACCEPT PAPER OFFERS IN RESPONSE TO THIS SOLICITATION/REQUEST. YOU ARE REQUIRED TO SUBMIT YOUR OFFER, BID, OR QUOTE VIA PAPERLESS ELECTRONIC MEDIA. SEE THE PROVISION ENTITLED "ELECTRONIC OFFERS (OR 'QUOTES' OR 'BIDS') REQUIRED IN RESPONSE TO THIS SOLICITATION (OR 'REQUEST FOR QUOTATIONS')" FOR MORE SPECIFIC INFORMATION.

[End of Clause]

1. The solicitation is for a repair buy to Borisch Mfg Corp. for 20 each, Circuit Card Assembly, 12309947.
2. No requirement for DD 250s, ship DD form 1149.

\*\*\* END OF NARRATIVE A 001 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued  
 PIIN/SIIN W56HZV-04-P-0676 MOD/AMD

Name of Offeror or Contractor: BORISCH MANUFACTURING CORP

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT																		
0001	SUPPLIES OR SERVICES AND PRICES/COSTS  NSN: 5998-01-120-3059 FSCM: 19207 PART NR: 12309947 SECURITY CLASS: Unclassified																						
0001AA	<p><u>REPAIR BUY</u></p> <p>NOUN: CIRCUIT CARD ASSEMB                      PRON: EH4Y6131EH PRON AMD: 02 ACRN: AA                      AMS CD: 060011</p> <p><u>Packaging and Marking</u>                      PACKAGING/PACKING/SPECIFICATIONS:                      SEE TDP FOR PACKAGING DATA                      UNIT PACK: EA INTERMEDIATE PACK: 001                      LEVEL PRESERVATION: Military                      LEVEL PACKING: B</p> <p><u>Inspection and Acceptance</u>                      INSPECTION: Origin ACCEPTANCE: Origin</p> <p><u>Deliveries or Performance</u>                      DOC SUPPL  <table border="1" data-bbox="261 1157 846 1203"> <tr> <th>REL CD</th> <th>MILSTRIP</th> <th>ADDR</th> <th>SIG CD</th> <th>MARK FOR</th> <th>TP CD</th> </tr> <tr> <td>001</td> <td>W56HZV3337T6031</td> <td>SW3227</td> <td>J</td> <td></td> <td>2</td> </tr> </table> <table border="1" data-bbox="261 1209 769 1260"> <tr> <th>DEL REL CD</th> <th>QUANTITY</th> <th>DEL DATE</th> </tr> <tr> <td>001</td> <td>20</td> <td>13-DEC-2004</td> </tr> </table> <p>FOB POINT: Destination</p> <p>SHIP TO: <u>FREIGHT ADDRESS</u>                      (SW3227) DEF DIST DEPOT RED RIVER                      RECEIVING BLDG 499                      10TH STREET AND K AVENUE                      TEXARKANA TX 75507-5000</p> <p><u>CONTRACT/DELIVERY ORDER NUMBER</u>                      W56HZV-04-P-0676/0000</p> </p>	REL CD	MILSTRIP	ADDR	SIG CD	MARK FOR	TP CD	001	W56HZV3337T6031	SW3227	J		2	DEL REL CD	QUANTITY	DEL DATE	001	20	13-DEC-2004	20	EA	\$ 227.20000	\$ 4,544.00
REL CD	MILSTRIP	ADDR	SIG CD	MARK FOR	TP CD																		
001	W56HZV3337T6031	SW3227	J		2																		
DEL REL CD	QUANTITY	DEL DATE																					
001	20	13-DEC-2004																					

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**Name of Offeror or Contractor:** BORISCH MANUFACTURING CORP

DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

Description/Specification/Work Statement

Scope of Work

Circuit Card Assembly Part Number 12309947

Upon receipt of each item for repair, the Contractor shall perform their inspection noting the general condition.

A tag or traveler shall be applied to each received item and remain physically attached until shipment or other disposition. The tag or traveler shall include:

- a. Part Number
- b. National Stock Number
- c. Firmware Revision
- d. Contract Number
- e. Serial Number
- f. Work Station Tracking Checklist
- g. Document Number under which material was received.

Contractor shall maintain a tracking database on each item which shall include the data contained on the tag and shall track progress through the various operations involved in the repair process. Contractor shall monitor progress of the item and update the database weekly to identify any delay.

The Circuit Cards in question shall be function tested at the circuit card level in accordance with respective card specifications, to verify proper operation or obtain fault data. Circuit Cards shall be evaluated to determine if they are economically repairable or should be dispositioned as scrap. Disposition will be directed by TACOM or DCMC (based on delegated authority) following contractor request.

Contractor shall establish a Circuit Card Test and repair process to bring the Government furnished unserviceable material back to working order.

This process shall include the following minimal requirements:

\* Board test and trouble shoot to component level utilizing a Government approved tester or equivalent test equipment.

\* Component replacement - The Contractor will apply standard shop quality practices in the performance of board repair. Replacement components do not require environment stress screening. Higher quality/tighter tolerance parts are allowed to be used as substitutes without formal waiver/deviation.

\* Jumpers are allowable to repair broken runs or lifted pads.

\* Over board wiring is allowable up to 10 wires.

\* cracked solder joints can be reflowed and reinspected.

\* Defects/Process Variance Identification per MIL-STD-2000A will be applicable in only the reworked areas and will be limited by the constraints of the documentation.

\* The repair of the circuit card board material by epoxy and /or conformal cost is allowable with the concurrence of TACOM engineering personnel.

\* Other substitutes may be used as allowed under appropriate waiver/deviation.

All repaired Circuit Card Board Assemblies shall be installed in the "Queen (A set of equipment known to be fully functional) STE system which shall run "self Test" to verify correct operation prior to outprocessing.

Upon completion of system test, there will be a tech support/DCMC inspection of each item and review of test results. Upon

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completion of this process. All repaired material will be processed for shipment to a designated army depot.

Shipment will be via DD Form 1149, Packing will be "M over B" or commercial equivalent whichever is most economical to meet handling requirements.

Contractor shall routinely scrap, in accordance with contractor's standard practices, all defective Circuit Cards determined to be beyond economic repair.

\*\*\* END OF NARRATIVE C 001 \*\*\*

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**MOD/AMD**

**Name of Offeror or Contractor:** BORISCH MANUFACTURING CORP

CONTRACT ADMINISTRATION DATA

LINE	PRON/ AMS CD/ <u>ITEM</u>	<u>ACRN</u>	<u>STAT</u>	<u>ACCOUNTING CLASSIFICATION</u>	JOB ORDER <u>NUMBER</u>	<u>ACCOUNTING STATION</u>	<u>OBLIGATED AMOUNT</u>
0001AA	EH4Y6131EH 060011	AA	2	97 X4930AC9D 6D	2571 S20113	W56HZV \$	4,544.00
TOTAL							\$ 4,544.00

<u>SERVICE NAME</u>	<u>TOTAL BY ACRN</u>	<u>ACCOUNTING CLASSIFICATION</u>	JOB <u>STATION</u>	<u>OBLIGATED AMOUNT</u>
Army	AA	97 X4930AC9D 6D	2571 S20113	W56HZV \$ 4,544.00
TOTAL				\$ 4,544.00

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## CONTRACT CLAUSES

3	52.211-5	MATERIAL REQUIREMENTS	AUG/2000
4	52.219-6	NOTICE OF TOTAL SMALL BUSINESS SET-ASIDE	JUN/2003
5	52.222-19	CHILD LABOR--COOPERATION WITH AUTHORITIES AND REMEDIES	JUN/2004
6	52.222-21	PROHIBITION OF SEGREGATED FACILITIES	FEB/1999
7	52.225-13	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES	JAN/2004
8	52.232-33	PAYMENT BY ELECTRONIC FUNDS TRANSFER--CENTRAL CONTRACTOR REGISTRATION	OCT/2003
9	52.246-1	CONTRACTOR INSPECTION REQUIREMENTS	APR/1984
10	52.246-2	INSPECTION OF SUPPLIES--FIXED PRICE	AUG/1996
11	252.211-7005	SUBSTITUTIONS FOR MILITARY OR FEDERAL SPECIFICATIONS AND STANDARDS	FEB/2003
12	252.225-7001	BUY AMERICAN ACT AND BALANCE OF PAYMENTS PROGRAM	APR/2003
13	252.225-7016	RESTRICTION ON ACQUISITION OF BALL AND ROLLER BEARINGS (Alternate I dated Dec 2000)	DEC/2000
14	52.204-4006 (TACOM)	INCORPORATION OF TACOM MASTER SOLICITATION FOR SIMPLIFIED ACQUISITIONS AND DESIGNATION OF F.O.B. POINT	MAY/2000

(a) This Request for Quotation (RFQ) or Purchase Order (PO) incorporates by reference TACOM-Warren's Master Solicitation for Simplified Acquisitions with the same force and effect as though the clauses and provisions it contains were physically incorporated into this document. The version in effect at time of award is the version that applies to your purchase order.

(b) The TACOM-Warren Master Solicitation for Simplified Acquisitions is available on our Electronic Contracting web page, which you can reach using the following URL address: <http://contracting.tacom.army.mil/opportunity.htm>

(c) The clauses and provisions in Section I of the Master Solicitation apply to all TACOM-Warren RFQs and Purchase Orders that contain this clause. The clauses contained in Section II of the Master Solicitation applies in addition to those in Section I when the RFQ or PO specifies F.O.B. Origin.

(d) We hereby specify that the required F.O.B. point for this acquisition is Destination.

(e) We will keep the Master Solicitation identified in this clause available on our Electronic Contracting web page during the entire period of performance of the purchase order. If the current Master Solicitation later is revised to incorporate a change in any of the clauses, the version specified in this clause will be retained, intact, in an archive area on our web page for continued reference and use.

[End of Clause]

15	52.211-4053 (TACOM)	REQUIRED TAILORING LANGUAGE TO ELIMINATE CLASS I OZONE-DEPLETING SUBSTANCES	MAR/2000
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(a) The purchase description or Technical Data Package (TDP) for this purchase order incorporates one or more specifications or standards that, in their unmodified form, either authorize or require the use of Class I Ozone-Depleting Substances (CIODS). For purposes of your performance on this purchase order, those specifications (which are identified in paragraph (b) of this clause) are modified by special tailoring language which appears in the TACOM Acquisition Center's web-site. Directions for reaching our web-site and locating the required tailoring language appear in paragraph (c) of this clause.

(b) Tailoring language to eliminate the authorization or requirement to use Class I Ozone-Depleting Substances (CIODS) is hereby incorporated into this contract by reference. Packaging Specifications MIL-L-61002 and MIL-STD-129, where they apply, are affected by this tailoring language. Other specifications and standards affected are: "N/A".

(c) The CIODS listing that contains the required tailoring language is on the TACOM Acquisition Center web-site, which you can reach by using this URL: <http://contracting.tacom.army.mil/ciods.html>

[End of Clause]

16	52.247-48	F.O.B. DESTINATION--EVIDENCE OF SHIPMENT (DEVIATION)	JUL/1995
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(a) If this contract is awarded on an f. o. b. destination basis, and if transportation is accomplished by common carrier, parcel post, or other than common carrier, the Contractor agrees not to invoice until the supplies are shipped, and to retain the following evidence of shipment (EOS) documentation for a period of 4 years after completion of the contract.

(1) If transportation is accomplished by common carrier, the Contractor will retain a signed copy of the commercial bill of

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loading of the supplies covered by the invoice, indicating the carrier's intent to ship said supplies to the destination specified in the contract.

(2) If transportation is accomplished by parcel post, the Contractor will retain a copy of the mailing certificate, or

(3) If transportation is by other than common carrier or parcel post, the Contractor will retain the receipt copy of the appropriate delivery document showing receipt at the destination in the contract.

(b) Retention of the above EOS documentation and having the documentation available for subsequent review, if needed, eliminates the requirement to provide these documents with the Contractor's paper, or electronically transmitted, invoices.

[End of Clause]

17 252.247-7023 TRANSPORTATION OF SUPPLIES BY SEA (Alternate III dated May 2002) MAY/2002

(a) Definitions. As used in this clause--

(1) Components means articles, materials, and supplies incorporated directly into end products at any level of manufacture, fabrication, or assembly by the Contractor or any subcontractor.

(2) Department of Defense (DoD) means the Army, Navy, Air Force, Marine Corps, and defense agencies.

(3) Foreign flag vessel means any vessel that is not a U.S.-flag vessel.

(4) Ocean transportation means any transportation aboard a ship, vessel, boat, barge, or ferry through international waters.

(5) Subcontractor means a supplier, materialman, distributor, or vendor at any level below the prime contractor whose contractual obligation to perform results from, or is conditioned upon, award of the prime contract and who is performing any part of the work or other requirement of the prime contract. However, effective May 1, 1996, the term does not include a supplier, materialman, distributor, or vendor of commercial items or commercial components.

(6) Supplies means all property, except land and interests in land, that is clearly identifiable for eventual use by or owned by the DoD at the time of transportation by sea.

(i) An item is clearly identifiable for eventual use by the DoD if, for example, the contract documentation contains a reference to a DoD contract number or a military destination.

(ii) Supplies includes (but is not limited to) public works; buildings and facilities; ships; floating equipment and vessels of every character, type, and description, with parts, subassemblies, accessories, and equipment; machine tools; material; equipment; stores of all kinds; end items; construction materials; and components of the foregoing.

(7) U.S.-flag vessel means a vessel of the United States or belonging to the United States, including any vessel registered or having national status under the laws of the United States.

(b)(1) The Contractor shall use U.S.-flag vessels when transporting any supplies by sea under this contract.

(2) A subcontractor transporting supplies by sea under this contract shall use U.S.-flag vessels if-

(i) This contract is a construction contract; or

(ii) The supplies being transported are-

(A) Noncommercial items; or

(B) Commercial items that-

(1) The Contractor is reselling or distributing to the Government without adding value (generally, the Contractor does not add value to items that it subcontracts for f.o.b. destination shipment);

(2) Are shipped in direct support of U.S. military contingency operations, exercises, or forces deployed in humanitarian or peacekeeping operations; or

(3) Are commissary or exchange cargoes transported outside of the Defense Transportation System in accordance with 10 U.S.C. 2643.

(c) The Contractor and its subcontractors may request that the Contracting Officer authorize shipment in foreign-flag vessels, or designate available U.S.-flag vessels, if the Contractor or a subcontractor believes that--

(1) U.S.-flag vessels are not available for timely shipment;

(2) The freight charges are inordinately excessive or unreasonable; or

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(3) Freight charges are higher than charges to private persons for transportation of like goods.

(d) The Contractor must submit any request for use of other than U.S.-flag vessels in writing to the Contracting Officer at least 45 days prior to the sailing date necessary to meet its delivery schedules. The Contracting Officer will process requests submitted after such date(s) as expeditiously as possible, but the Contracting Officer's failure to grant approvals to meet the shipper's sailing date will not of itself constitute a compensable delay under this or any other clause of this contract. Requests shall contain at a minimum--

- (1) Type, weight, and cube of cargo;
- (2) Required shipping date;
- (3) Special handling and discharge requirements;
- (4) Loading and discharge points;
- (5) Name of shipper and consignee;
- (6) Prime contract number; and

(7) A documented description of efforts made to secure U.S.-flag vessels, including points of contact (with names and telephone numbers) with at least two U.S.-flag carriers contacted. Copies of telephone notes, telegraphic and facsimile message or letters will be sufficient for this purpose.

(e) The Contractor shall, within 30 days after each shipment covered by this clause, provide the Contracting Officer and the Division of National Cargo, Office of Market Development, Maritime Administration, U.S. Department of Transportation, Washington, DC 20590, one copy of the rated on board vessel operating carrier's ocean bill of lading, which shall contain the following information--

- (1) Prime contract number;
- (2) Name of vessel;
- (3) Vessel flag of registry;
- (4) Date of loading;
- (5) Port of loading;
- (6) Port of final discharge;
- (7) Description of commodity;
- (8) Gross weight in pounds and cubic feet if available;
- (9) Total ocean freight in U.S. dollars; and
- (10) Name of the steamship company.

(f) The Contractor shall insert the substance of this clause, including this paragraph (f) in subcontracts that are for a type of supplies described in paragraph (b)(2) of this clause.

[End of Clause]

18	52.204-4005	REQUIRED USE OF ELECTRONIC CONTRACTING	JUN/2004
19	52.204-4008 (TACOM)	REQUIRED USE OF ELECTRONIC DATA INTERCHANGE (EDI)	MAY/2000

The Government reserves the right to commence issuing orders to the contract within 90 calendar days after contract award. Any modifications and any delivery orders will be delivered electronically to the contractor using Electronic Data Interchange (EDI) via the Federal Acquisition Network (FACNET). Version 3050 of Standard X12 from the American National Standards Institute (ANSI) will be used as the format for these electronic transactions.

[End of Clause]

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20            52.204-4009            MANDATORY USE OF CONTRACTOR TO GOVERNMENT ELECTRONIC COMMUNICATION            JUN/1999  
                  (TACOM)

(a) All references in the contract to the submission of written documentation shall mean electronic submission. All electronic submissions shall be in the formats and media described in the "Electronic Quotations/Offer/Bids Required in Response to this Request for Quotations/Proposals/Bids" clause elsewhere in this document. (See Section K for commercial acquisitions, Section L for RFPs, and Section I for RFQs.)

(b) This shall include all written unclassified communications between the Government and the Contractor except contract awards and contract modifications which shall be posted on the internet. Return receipt shall be used if a commercial application is available. Classified information shall be handled in full accordance with the appropriate security requirements.

(c) In order to be contractually binding, all Government communications requiring a Contracting Officer signature must be sent from the Contracting Officer's e-mail address. The Contractor shall designate the personnel with signature authority who can contractually bind the contractor. All binding contractor communication shall be sent from this contractor e-mail address(es).

(d) Upon award, the Contractor shall provide the Contracting Officer with a list of e-mail addresses for all administrative and technical personnel assigned to this contract.

(e) Unless exempted by the Procuring Contracting Officer in writing, all unclassified written communication after contract award shall be transmitted electronically.

[End of Clause]

21            52.211-4113            BAR CODE MARKING            SEP/2000  
                  (TACOM)

(a) Bar code markings are required on all containers and loose or unpacked items as specified in MIL-STD-129N, paragraph 4.2.3. The bar code symbology shall comply with AIM BC 1. The following shall be bar coded:

(1) National Stock Number (NSN)/ NATO stock number shall be bar coded on all unit packs and intermediate containers.

(2) The exterior container shall be bar coded with the NSN/NATO stock number and the contract or purchase order number(including the call number).

(3) Items that are serial numbered shall have the serial number bar coded.

(4) Exterior boxes and crates 10 cubic feet and over shall be bar coded on one end of the container as well as on the identification marked side.

(5) Contractor or vendor-originated shipments destined for outside continental United States(OCONUS) and shipped through the Defense Transportation System(DTS)(transshipment) shall comply with the address marking instructions in DoD 4500.32-R, Volume I, which requires the address markings to be placed on a bar coded DD Form 1387. For these shipments, bar code labels may be affixed to the DD Form 1387 as an alternative to direct bar coding of the DD Form 1387. Destinations such as Hawaii, Alaska, Puerto Rico, Canada, and Mexico are considered OCONUS sites and require bar coded DD Form 1387 address labels, see MIL-STD-129, paragraph 4.3.

(b) Information and illustrations on bar code markings are contained in MIL-STD-129N and in MIL-HDBK-129.

[End of Clause]

22            52.215-4404            DATA AND COMMUNICATIONS SUBMITTED TO THE GOVERNMENT ELECTRONICALLY            MAY/2002  
                  (TACOM)

(a) The Government often employs contractors as system administrators to operate and maintain Government computer systems. These systems include local area networks, web sites, databases, other electronic records, e-mail accounts, other electronic data transfer mechanisms and computer software. The employees of these contracted system administrators sign nondisclosure agreements obligating them not to reveal information contained in files, documents, computers or systems that they administer. However, unless such information is protected in some way, contracted system administrators do have the ability to access such information.

(b) Potential contractors as well as any other parties are thus advised to take steps needed to prevent access by contracted system administrators to information submitted electronically to the Government. Absent such steps, it is assumed that contracted

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system administrators are permitted the capability to access the data. The access will be limited to that which is necessary for the contract system administrator to perform its duties for the Government. The access shall be subject to the condition that third party information is not to be revealed by the contracted system administrator.

[End of Clause]

23            52.246-4005            INSPECTION AND ACCEPTANCE POINTS: ORIGIN            FEB/1995  
(TACOM)

The Government's inspection and acceptance of the supplies offered under this order shall take place at ORIGIN. Offeror must specify below the exact name and address of his facility, or his subcontractor's facility, where supplies to be furnished under this order will be available for origin inspection

Contractor's Plant: Borisch Mfg. Corp, 4511 East Paris SE Grand Rapids, MI 49512-5314

(Name and Address)

Subcontractor's Plant: \_\_\_\_\_  
(Name and Address)

[End of Clause]

24            52.246-4026            LOCAL ADDRESS FOR DD FORM 250            JAN/2002  
(TACOM)

(a) The contractor must provide a copy of each Material Inspection and Receiving Report (DD 250) pertaining to this contract, to the addresses given below, using either of the following methods:

(1) Our first preference is for you to use electronic mail (e-mail), using the following e-mail address:  
DD250@tacom.army.mil

(2) Our second preference is for you to use data facsimile (datafax) transmission, using this fax number: (586) 574-5527 and use "DD250 mailbox" in the "to:" block of your fax cover or header sheet.

In either method, do not mix DD250s from more than one contract in a single transmission. That is, you may submit multiple DD250s in a single transmission, but they must all be against the same contract.

(b) These copies meet the requirements for the Purchasing Office copy and the Army Inventory Control Manager copy listed in tables 1 and 2 of DFARS Appendix F.

(c) The DD250 form may be found, in three different formats, on the World Wide Web at  
<http://www.dtic.mil/whs/directives/infomgt/forms/forminfo/forminfopage2126.html>

[End of Clause]

25            52.247-4016            HEAT TREATMENT AND MARKING OF WOOD PACKAGING MATERIALS            JUL/2002  
(TACOM)

ALL NON-MANUFACTURED WOOD USED IN PACKAGING SHALL BE HEAT TREATED TO A CORE TEMPERATURE OF 56 DEGREES CELSIUS FOR A MINIMUM OF 30 MINUTES. THE BOX/PALLET MANUFACTURER AND THE MANUFACTURER OF WOOD USED AS INNER PACKAGING SHALL BE AFFILIATED WITH AN INSPECTION AGENCY ACCREDITED BY THE BOARD OF REVIEW OF THE AMERICAN LUMBER STANDARD COMMITTEE. THE BOX/PALLET MANUFACTURER AND THE MANUFACTURER OF WOOD USED AS INNER PACKAGING SHALL ENSURE TRACEABILITY TO THE ORIGINAL SOURCE OF HEAT TREATMENT. EACH BOX/PALLET SHALL BE MARKED TO SHOW THE CONFORMANCE TO THE INTERNATIONAL PLANT PROTECTION CONVENTION STANDARD. BOXES/PALLETS AND ANY WOOD USED AS INNER PACKAGING MADE OF NON-MANUFACTURED WOOD SHALL BE HEAT TREATED. THE QUALITY MARK SHALL BE PLACED ON BOTH ENDS OF THE OUTER PACKAGING, BETWEEN THE END CLEATS OR END BATTENS; ON TWO SIDES OF THE PALLET.

[End of Clause]

26            52.247-4458            GUARANTEED SHIPPING CHARACTERISTICS--F.O.B. DESTINATION            SEP/2000  
(TACOM)

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(a) The offeror is required to complete subparagraph (b)(1), (2), and (3), of this clause, for each part or component, including all of its packaging. This information will be used by the Government to perform logistics management functions such as providing item sustainment, planning (e.g. estimating storage costs), and redistribution. You are not liable if you give us wrong information, however since the DOD uses this data in-house in existing data bases and because this information may be used in contingency planning it, we request that the information provided be as accurate as possible.

(b) Definitions of terms commonly used in the packaging and distribution environments are defined in ASTM D996 and should be consulted if any term used herein is in question.

## (1) Unit Package:

(i) Specify the type of UNIT PACKAGE for each single unit of issue: A container in direct contact with and enclosing the product along with any required protective materials(s)(e.g. item is wrapped in neutral paper, polyethylene foam cushion wrapped, sealed in a waterproof bag, and placed in a fiberboard box).

## (ii) Unit Package Exterior Size/Weight of Unit Package with contents:

Length\_\_9"\_\_\_\_ x Width\_\_6"\_\_\_\_ x Depth \_\_3.5"\_\_\_\_(expressed in inches)/Weight expressed in \_\_\_\_\_ pounds

## (2) Shipping Container:

## (i) Exterior Size of SHIPPING CONTAINER AND CONTENTS THEREIN:

Length, 18"\_\_\_\_ x Width, \_\_14"\_\_\_\_ x Height,\_\_10"\_\_\_\_ (expressed in feet and inches)

## (ii) Number of unit packages per shipping container \_\_10\_\_\_\_ each

## (iii) Gross weight of Shipping container and contents \_\_12\_\_\_\_ Lbs.

## (3) Unitized Loads:

(i) Is the Load palletized, skidded, or some other platform device used as a base for handling and transporting as a single entity. Yes [ X ] No [ ]; describe: \_\_\_\_\_.

(ii) Number of Shipping containers per pallet/skid \_\_\_\_\_ each.

(iii) Weight of empty pallet, skid, platform, dolly, other device used as a base for handling and transporting materials \_\_\_\_\_ Lbs

(iv) Size of Unit Load(pallet/skid including shipping container(s)assembled for handling and transportation as a single entity:

Length, \_\_\_\_\_ x Width, \_\_\_\_\_ x Height,\_\_\_\_\_ (expressed in feet and inches)

(v) Gross Weight of Unit Load \_\_\_\_\_ Lbs;

[End of Clause]