

(A) GENERAL:

(A.1) ROLLS ROYCE, PLC IS THE END USER.

(A.2) DURING PERFORMANCE OF THIS ORDER, YOUR QUALITY CONTROL SYSTEMS

AND MANUFACTURING PROCESS ARE SUBJECT TO REVIEW, VERIFICATION,

ANALYSIS, AND APPROVAL BY TCT, MITSUBISHI HEAVY INDUSTRIES (MHI), AND AUTHORIZED ROLLS ROYCE AND FAA REPRESENTATIVES.

(A.3) TCT, MHI, ROLLS ROYCE, AND THE FAA SHALL BE AFFORDED THE RIGHT TO VERIFY AT THE SUPPLIER'S PREMISES ANY INFORMATION RELATING TO THE

MANUFACTURE, PROCUREMENT, TESTING, AND/OR INSPECTION OF PRODUCT

REQUIRED FOR THE PERFORMANCE OF THIS ORDER.

(A.4) SUPPLIER IS RESPONSIBLE FOR COMPLYING WITH ALL OF THE

REQUIREMENTS OF THIS PURCHASE ORDER INCLUDING PROVIDING COMPLETE AND

PROPER DOCUMENTATION WITH EACH SHIPMENT OF PRODUCT. IF THE REQUIRED

DOCUMENTATION IS INCOMPLETE OR INCORRECT, THE SUPPLIER'S ACCOUNT MAY

BE DEBITED \$200.00 PER OCCURRENCE.

(A.5) SUPPLIER IS SUBJECT TO ALL TERMS AND CONDITIONS REFERENCED ON THIS PURCHASE ORDER.

(A.6) THE INFORMATION DISCLOSED HEREIN IS PROPRIETARY WITH

TURBOCOMBUSTOR TECHNOLOGY, INC (TCT), MITSUBISHI HEAVY INDUSTRIES, AND/OR ROLLS ROYCE AND SHALL NOT BE DUPLICATED, USED, OR DISCLOSED TO REPRODUCE ARTICLES OR SUBJECT MATTER COVERED THEREIN WITHOUT WRITTEN PERMISSION OF TCT. BY ACCEPTANCE OF THIS P.O., THE SUPPLIER AGREES TO AFFIX THIS STATEMENT TO ANY DUPLICATION THEREOF IN WHOLE OR IN PART.

(A.7) UNLESS OTHERWISE STATED, ALL QUANTITIES STATED HEREIN ARE

ESTIMATED QUANTITIES ONLY. TCT'S ACTUAL REQUIREMENTS MAY IN FACT BE

LESS THAN THE AMOUNTS LISTED AS "MAXIMUM" OR "TOTAL". THE FACT THAT

NO RELEASES ARE MADE, OR THAT THE RELEASES MADE ARE LESS THAN THE

ESTIMATED QUANTITIES, WILL NOT SERVE AS A BASIS FOR AN EQUITABLE

ADJUSTMENT UNDER THE "CHANGE" CLAUSE OR ANY TERMINATION CLAUSE. TCT

MAKES NO GUARANTEE, WARRANTY, OR ANY OTHER REPRESENTATION THAT ANY OF THE QUANTITIES STATED IN THIS AGREEMENT WILL IN FACT BE REQUIRED. ANY COST SELLER INCURS OUTSIDE THE AGREED UPON LEAD TIME IN ANTICIPATION OF RELEASED REQUIREMENTS WILL BE SOLELY AT THE SELLER'S OWN RISK AND TCT ASSUMES NO LIABILITY THEREFOR.

(A.8) ANY EXPEDITED DELIVERY COSTS (E.G. AIR FREIGHT) CAUSED BY NON-ADHERENCE TO THE PURCHASE ORDER SCHEDULE SHALL BE THE RESPONSIBILITY OF THE SUPPLIER.

(A.9) UNLESS OTHERWISE APPROVED IN WRITING BY TCT, PRODUCT SHALL NOT BE DELIVERED EARLIER THAN TEN (10) DAYS PRIOR TO THE REQUIRED DELIVERY DATE SPECIFIED ON THE PURCHASE ORDER. AT TCT'S DISCRETION, THIS PRODUCT MAY BE RETURNED AT THE SUPPLIER'S EXPENSE.

(B) QUALITY SYSTEMS:

(B.1) SUPPLIER AND ALL SUBTIER SUPPLIERS MUST BE CERTIFIED TO AS9100 UNLESS OTHERWISE AUTHORIZED (REFERENCE B.2).

(B.2) SUPPLIER'S QUALITY SYSTEM MUST CONFORM TO MHI QUALITY ASSURANCE OPERATING PROCEDURE MS8 4518, AND THE ROLLS ROYCE SABRE MANUAL (AVAILABLE AT WWW.SUPPLIERMANAGER-ONLINE.COM).

(B.3) N/A

(B-4) SUPPLIER IS RESPONSIBLE FOR FLOWING DOWN AND FOR ENSURING ADHERENCE TO THE REQUIREMENTS OF THIS PURCHASE ORDER BY ALL SUB-TIERS.

(B.5) NADCAP AND ROLLS ROYCE APPROVAL FOR PERFORMING SPECIAL PROCESSES IS REQUIRED.

(B.6) SUPPLIER WILL RETAIN ALL RECORDS IN ACCORDANCE WITH THE ROLLS ROYCE SABRE MANUAL, AND WILL MAKE THESE RECORDS AVAILABLE TO TCT UPON REQUEST WITHIN 24 HOURS. UNLESS OTHERWISE SPECIFIED, RECORDS SHALL BE

RETAINED IN ACCORDANCE WITH THE REQUIREMENTS FOR ROLLS ROYCE PLC "CLASSIFIED PARTS".

(B.7) AS REQUIRED TO VERIFY PRODUCTS AND PROCESSES, SUPPLIER SHALL USE AND MAINTAIN CALIBRATED INSPECTION AND TEST EQUIPMENT IN ACCORDANCE WITH ANSI/NCSL Z540.1, ISO 10012, AND ISO/IEC 17025, AS APPLICABLE.

(C) SOURCE SUBSTANTIATION AND FIRST ARTICLE REQUIREMENTS:

(C.1) SPECIAL PROCESSES SHALL NOT BE PERFORMED WITHOUT WRITTEN AUTHORIZATION (VIA BLUEPRINT, P.O., OR SIMILAR). PER RPS900, ROLLS ROYCE APPROVED DATA CARDS MUST BE USED FOR ALL SPECIAL PROCESSES (INCLUDING WATERJET CUTTING TO RPS689 IF PRODUCT IS FOR ROLLS ROYCE PLC OR ROLLS ROYCE CANADA). DATA CARDS AND PROCEDURES FOR NDT (X-RAY, FPI, MPI, ETC.) MUST BE APPROVED BY A ROLLS ROYCE APPROVED NDT LEVEL III. NO CHANGES MAY BE MADE TO APPROVED SOURCES OR PROCESSES WITHOUT TCT AND/OR MHI APPROVAL, AS APPLICABLE.

(C.2) N/A

(C.3) UNLESS OTHERWISE SPECIFIED ON THE PURCHASE ORDER, A FIRST ARTICLE SHALL BE MANUFACTURED, AND INSPECTION RESULTS SHALL BE DOCUMENTED IN ACCORDANCE WITH AS9102 AND ROLLS ROYCE SABRE MANUAL SECTION "FAIR AND COMPONENT PROVING". BOTH THE PRODUCT AND INSPECTION RESULTS SHALL BE SUBMITTED TO AND APPROVED BY TCT ENGINEERING (AND/OR ROLLS ROYCE IF APPLICABLE) PRIOR TO CONTINUING PRODUCTION.

(D) PRODUCT REQUIREMENTS:

(D.1) UNLESS OTHERWISE APPROVED IN WRITING BY TCT OR MHI, 100% INSPECTION TO THE BLUEPRINT (B/P) REQUIREMENTS SHALL BE PERFORMED ON ALL PRODUCT PRIOR TO SHIPMENT. ALL SAMPLING PLANS SUBMITTED FOR APPROVAL SHALL BE STATISTICALLY VALIDATED USING A SAMPLE SIZE OF AT

LEAST 25. ONCE APPROVED, SPC METHODS SHALL CONTINUE TO BE USED TO ENSURE THE PROCESS CAPABILITY (CPK) IS MAINTAINED AT OR ABOVE A 1.3.

(D.2) HEAT CODE / LOT TRACEABILITY SHALL BE MAINTAINED FOR ALL MATERIALS / PRODUCT DURING ALL STAGES OF PROCESSING THROUGH SHIPMENT TO TCT.

(D.3) UNLESS OTHERWISE SPECIFIED, RAW MATERIAL SHALL BE LINE MARKED WITH THE MATERIAL TYPE AND INDUSTRY SPECIFICATION, SIZE, MILL NAME, AND HEAT CODE. PROCESSED MATERIALS SUCH AS CASTINGS, FORGINGS, AND BLANKS SHALL BE INK MARKED WITH THE PART NUMBER AND HEAT CODE IF NOT OTHERWISE SPECIFIED ON THE P.O., B/P, OR OTHER REFERENCED DOCUMENTS.

(D.4) N/A

(D.5) ANY SPECIALTY METALS INCORPORATED IN ARTICLES DELIVERED UNDER THIS PO SHALL BE MELTED IN THE UNITED STATES OR OTHER QUALIFYING COUNTRY IN ACCORDANCE WITH DFARS CLAUSE 252.225-7014, "PREFERENCE FOR DOMESTIC SPECIALTY METALS", AND DFARS CLAUSE 225.872-1, "CONTRACTING WITH QUALIFYING COUNTRY SOURCES - GENERAL".

(E) SHIPPING REQUIREMENTS:

(E.1) PACKAGING SHALL BE ADEQUATE TO PREVENT DAMAGE AS WELL AS EXCESSIVE SHIFTING DURING TRANSIT.

(E.2) ALL CONTAINERS OVER 50 LB GROSS WEIGHT SHALL BE PLACED ON A PALLET TO ENABLE MECHANICAL HANDLING.

(E.3) PAPER, CARDBOARD, OR OTHER SUITABLE MEANS SHALL BE USED TO PREVENT METAL-TO-METAL CONTACT BETWEEN ALL MACHINED/FINISHED SURFACES OF PRODUCT.

(E.4) PACKAGING SHALL BE CLEARLY IDENTIFIED WITH THE FOLLOWING INFORMATION: SUPPLIER NAME, P.O. NUMBER, PART NUMBER OR PRODUCT

DESCRIPTION, BATCH NUMBER OR HEAT CODE, AND SHELF LIFE (IF APPLICABLE).

(F) DOCUMENTATION REQUIREMENTS:

(F.1) PACKING SLIP, WHICH INCLUDES SUPPLIER'S INFORMATION, THE PART NUMBER AND QUANTITY BEING SHIPPED, THE PACKING SLIP NUMBER, AND THE P.O. NUMBER (INCLUDING LINE AND RELEASE NUMBERS).

(F.2) CERTIFICATE OF CONFORMANCE, WHICH INCLUDES SUPPLIER'S INFORMATION, THE PART NUMBER AND QUANTITY BEING SHIPPED, HEAT CODE, THE PACKING SLIP NUMBER, REFERENCE TO DOCUMENTATION AUTHORIZING SHIPMENT OF NONCONFORMING PRODUCT (IF APPLICABLE), AND THE P.O. NUMBER.

(F.3) UNALTERED PRODUCING MILL CERTIFICATION FROM A ROLLS ROYCE APPROVED TESTING LAB, INCLUDING RAW MATERIAL TESTING RESULTS AND REFERENCES TO MATERIAL SPECIFICATIONS AS REQUIRED BY P.O. OR B/P AND TRACEABLE TO EACH HEAT CODE, SHALL BE INCLUDED WITH EACH SHIPMENT.

(F.4) MATERIAL SAFETY DATA SHEET (MSDS) - ONLY REQUIRED WITH THE INITIAL SHIPMENT ON THIS P.O.

(F.5) DOCUMENTATION FROM TCT AUTHORIZING SHIPMENT OF NONCONFORMING PRODUCT (IF APPLICABLE), WHICH REFERENCES THE P.O. NUMBER, PART NUMBER AND QUANTITY AUTHORIZED FOR SHIPMENT.

(G) NONCONFORMING PRODUCT:

(G.1) IF TCT ENGINEERING HAS AGREED IN WRITING (PRIOR TO SHIPMENT) TO ACCEPT NONCONFORMING PRODUCT IN ITS CURRENT CONDITION, THE SUPPLIER SHALL SUPPLY A SEPARATE CERTIFICATE OF CONFORMANCE FOR THE NONCONFORMING PRODUCT, REFERENCING THE P.O. NUMBER, PART NUMBER,

QUANTITY, MEANS OF TRACEABILITY, ETC. THE DOCUMENT SHALL ALSO STATE THAT THE PRODUCT DOES NOT FULLY CONFORM TO THE PURCHASE ORDER REQUIREMENTS AND SHALL IDENTIFY AND TAKE EXCEPTION TO THE SPECIFIC NONCONFORMANCES IDENTIFIED. SUPPLIER SHALL ALSO INCLUDE DOCUMENTATION FROM TCT AUTHORIZING ITS SHIPMENT.

(G.2) IF PRODUCT IS FOUND TO BE NONCONFORMING UPON RECEIPT BY TCT (AND WITHOUT PRIOR NOTIFICATION OF THE NONCONFORMANCE BY THE SUPPLIER AND SHIPMENT AUTHORIZATION BY TCT), AND IS DEEMED BY TCT ENGINEERING TO BE REWORKABLE TO A USABLE CONDITION, SUPPLIER MAY BE HELD RESPONSIBLE FOR ALL COSTS INCURRED BY TCT ASSOCIATED WITH REWORKING THE PRODUCT, UP TO ITS ORIGINAL PURCHASE PRICE.

(G.3) WHEN SHIPPING TO TCT, NONCONFORMING PRODUCT SHALL BE PHYSICALLY IDENTIFIED USING A TEMPORARY METHOD OF IDENTIFICATION (PREFERABLY A RED TAG). NONCONFORMING PRODUCT, WHEN SHIPPED WITH CONFORMING PRODUCT, SHALL BE SEGREGATED IN SEPARATE BAGS, BOXES, OR OTHER APPROPRIATE PACKAGING. THE PACKING SLIP SHALL IDENTIFY THE NONCONFORMING PRODUCT (QUANTITY AND IDENTIFICATION/TRACEABILITY) SEPARATELY FROM THE CONFORMING PRODUCT.

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