SUPPLIER SELF RELEASE AGREEMENT (SSRA)

BETWEEN

MRA SYSTEMS, LLC (MIDDLE RIVER AEROSTRUCTURE SYSTEMS)

AND

Supplier Name MRAS Supplier Code

Street Address

City, State and Zip

MRAS SIGNATURES		**SUPPLIER MANAGEMENT**	
MRAS PQE	Date	CEO/Plant Manager	Date
MRAS Sourcing Quality	Date	Quality Manager	Date

Special Agreements Signature Requirements:

MRA Systems, LLC Quality Leader Date

MRA Systems, LLC Sourcing Leader Date
(Required for Special Agreements)

Page 2 must be initialed and dated at current rev under the "Supplier Concurrence" column by the supplier—MRAS will sign off under the "MRAS Concurrence" column.

SUPPLIER INTERNAL REVISION HISTORY

SUPPLIER: _____			**CODE: _____**	
Rev # & Date	**Description of Rev.**	**Revised By**	**MRAS Concurrence**	**Supplier Concurrence**
- 4/18/2019	Initial Release	D. Chun		
A 5/10/2019	Added re-training requirement to section 4	D. Chun		
B 8/12/2019	Added third party support verbiage	D. Chun		

SUPPLIER SELF RELEASE AGREEMENT

Contents

SCOPE

This agreement applies to material/services provided by this Supplier and purchased by MRA Systems, LLC. hereinafter referred to as MRAS or Purchaser.

The requirements of this agreement will apply to all material/services when it is referenced by the applicable standard remark of the purchase contract or equivalent document, or as instructed by the Purchaser for current production.

This document is in addition to, and in no way limits, supersedes or abrogates any contractual obligation as required by the purchase document, drawings or applicable specifications.

After the Purchaser and Supplier have signed this agreement, it becomes a contractual document. Changes to the document will be made by mutual agreement between the Supplier and Purchaser and will be so indicated on a revision page. Any provisions in addition to those covered in this document shall be considered as special agreements and will require the concurrence of all parties, or their designees, who approved the original agreement.

Purchaser shall notify the Supplier in writing of any limitation on the release of material/product.

The Purchaser reserves the option to rescind this agreement at any time.

1. **PURPOSE**
   1.1. To establish a program at the Supplier to assure complete product integrity through the delegation of certain supplier quality or receiving inspection responsibilities to the supplier. This plan is not intended to replace or supplement a Supplier's quality system; each Supplier has the responsibility for effectively and consistently controlling the quality of its products and processes as required by MRAS Sourcing Quality Specifications M1000 and M1002 and/or as required by the Purchase Documents.

2. **DEFINITIONS**
   2.1. Characteristic Accountability & Verification Form - Documents utilized to record characteristic accountability and first article data per M1002 requirements.

   2.2. DQR Log (Form SQ-1600) - Document utilized to record history of characteristics verified by the DQR prior to releasing product for shipment to MRAS. (Attachment in Appendix B)

   2.3. Delegated Quality Representative (DQR) - A supplier's permanent employee with quality control responsibility, who has successfully completed the MRAS

DQR training program and has been approved by MRAS to perform designated tasks on its behalf as defined herein.

2.4. DQR Audit – An MRAS Quality Representative evaluation of a supplier's quality system, product characteristics, and/or DQR performance. DQR Audits may be initiated by quality escapes, systemic issues, findings, or other related problems.

2.5. Final Inspector – Supplier individual responsible for product inspection after all processing is complete. Final inspector must not re-verify product characteristics acting as a DQR if they verified product at final inspection.

2.6. MRAS Delegated Quality Representative (MRAS DQR) - An MRAS employee or authorized representative with the authority to represent MRAS Sourcing Quality.

2.7. Interface Characteristics - Characteristics, which describe a feature that is vital to product installation. The feature will be identified on the drawing.

2.8. Manufacturing Lot - A number of parts or product produced under homogeneous manufacturing conditions

2.9. One-over-One Inspection - a repeat second inspection performed by a different inspector to validate the original measurement.

2.9.1. Product Release Lot – The total number of parts presented to the DQR for release.

2.9.2. Supplier Self Release Number (SSRN) - A unique controlled number assigned individually to both MRAS QR's and DQR's.

3. SUPPLIER QUALIFICATION

3.1. Supplier's who have DQR's who have previously operated under the GE-Aviation Joint Affiliates (Systems) or GE Aircraft Engines (Engines) Supplier Release Program (SRP) are allowed to continue operating with the previously issued RAAN numbers until 2021 or the expiration of the DSQR's current certification, whichever is earlier.

3.1.1. Suppliers shall notify the MRAS QR of such candidates that are grandfathered under the previous GE DSQR program with RAAN number and expiration date

3.2. MRAS Quality will verify that all applicable locations of the Supplier are eligible for consideration, as follows:

3.3. Have a quality system acceptable to MRAS Sourcing Quality.

3.4. Have acceptable quality performance. Performance may be based on time, lots or parts received, nonconformance history and other factors at the discretion of the MRAS Sourcing Quality Representative and/or Sourcing Quality Leader
3.5. Have at least one permanent employee who is acceptable by MRAS to act as a DQR.

3.6. MRAS Quality and Supplier Management must sign this agreement, which establishes the contractual requirements for the plan.

3.7. Management at the Supplier is responsible for assuring the execution of this plan by performing the following in a timely manner:

3.7.1. Provide sufficient resources to ensure that the DQR(s) re-verifying the product have not acted in the capacity of final inspector for the particular part being released.
3.7.2. Allocate sufficient time for the DQR to perform the required duties.
3.7.3. Provide DQR with appropriate facilities and equipment necessary to meet customer expectations.
3.7.4. Establish a cultural environment conducive to assure delivered quality.
3.7.5. Provide and maintain a quality system that supports the requirements of this plan.
3.7.6. Provide the necessary resources for the performance of audits, internally and at their sub-tier Suppliers.
3.7.7. Implement special part protection plan when directed by MRAS or the DQR.
3.7.8. Define and implement internal corrective action plans when MRAS or the DQR identifies non-conformances.
3.7.9. Immediately notify PQE of (any) product that may have been shipped containing a nonconformance.
3.7.10. Notify PQE when a DQR changes jobs or leaves the company.

4. DQR QUALIFICATION AND TRAINING REQUIREMENTS

4.1. To qualify as a DQR the following minimum requirements must be met:
4.1.1. Must speak read write and have complete understanding of the English language.
4.1.2. Must be physically capable of performing required tasks.
4.1.3. Must have no visual impairments that would prevent effective visual inspection.
4.1.4. Have Supplier Quality Control responsibility as a permanent employee.
4.1.5. Minimum One-year product related experience
4.1.6. Obtain MRAS approved DQR application (Form SQ-2000) See Appendix .
4.1.7. Successful completion of initial DQR training.
4.1.8. Verification that the DQR candidate has satisfactorily demonstrated a practical knowledge and application of the required duties on one product release lot by way of a minimum of one product overview.
4.2. Product Overview

4.2.1. Verification that the DQR candidate satisfactorily performed their required duties on an actual product release is required. The product release will be reviewed by an MRAS QR using standard criteria covering critical elements.

4.2.2. A satisfactory release of the 1st Lot overviewed will qualify the candidate for certification as a DQR. Any deficiency noted by the MRAS QR on the 1st Lot released will at a minimum, require a 2nd Lot overview. A satisfactory release of the 2nd lot will qualify the candidate for certification. An unsatisfactory overview on the 2nd lot will require a reassessment by MRAS of the candidate to determine eligibility and qualification.

4.2.3. Supplier systemic deficiencies that adversely affect the candidate's ability to perform the required duties satisfactorily are subject to review by MRAS through DQR Audit evaluation.

4.3. In order to maintain active status, the DQR must attend recurring training every three years from the date of the previous training class.

5. DQR RESPONSIBILITIES

When performing the duties outlined in this agreement, the DQR is acting on behalf of MRAS and performs the final acceptance and release of product for customer use.

5.1. The DQR duties are above and beyond the activities conducted while acting in the day-to-day role as a Supplier employee.

5.2. Appendix A outlines the specific duties of the DQR.

5.3. The DQR signature and SSRN on the shipping document must be that of the DQR who re-verified product for shipment.

5.4. If the DQR is unable or unavailable to perform the DQR responsibilities for any reason (including, but not limited to Section 8 of this document), the supplier is responsible for maintaining DQR inspection in order to support delivery of parts within schedule. This activity will be supplier-funded.

5.4.1. Supplier shall utilize only the approved supplier(s) for this third-party activity

5.4.2. The only exception to this clause would be if the SSRA plan is terminated as described in section 8.1.6

6. MRAS SURVEILLANCE

6.1. MRAS reserves the right to audit or require the performance of a DQR Audit to determine the Supplier's compliance to this plan at any time.

6.2. Results or concerns from any review/audit will be provided to Supplier Management for appropriate corrective action(s).

6.3. Product selected by MRAS for surveillance must be available when scheduled.

7. SUPPLIER DISQUALIFICATION AND REQUALIFICATION

7.1. MRAS may suspend or permanently remove the supplier from self-release. Suspension of privileges may apply to the entire product base or to specified part numbers.

7.1.1. Basis for suspension/removal may include, but are not limited to:

7.1.2. Loss of DQR representation other than temporary loss (vacation, sickness)
7.1.3. Unauthorized or improper release of material
7.1.4. Change in ownership/location or disputes (strike, lockout), that affect key Quality and Manufacturing Personnel
7.1.5. Deterioration of Supplier's quality rating below acceptable levels
7.1.6. Inactivity of business wherein no hardware has been shipped for an extended period of time or no open purchase orders exist
7.1.7. Failure to comply with the Plan requirements
7.1.8. Repeated delivery of product found to be nonconforming by the customer
7.1.9. Lack of timely response to corrective action requests

7.2. MRAS will notify supplier in writing of suspension or removal from self-release via email or coordination memo.

7.3. For requalification, supplier will submit a corrective action plan within 30 days of suspension notification.

7.4. For requalification, supplier will complete the corrective action plan within the specified time frame approved by MRAS, typically not more than 60 days after approval of submitted corrective action plan.

7.5. MRAS will notify the Supplier in writing upon re-instatement of the Self Release plan.

8. DQR SUSPENSION/REMOVAL

8.1. MRAS may suspend or remove a DQR from further work on MRAS matters in accordance with this plan. Basis for MRAS's suspension or removal of a DQR may include, but are not limited to:
8.1.1. Obvious visual or marking nonconformance's found after DQR release
8.1.2. Failure to comply with elements of this agreement such as not maintaining records, inspecting characteristics, reviewing process paperwork, etc.
8.1.3. Failure to maintain DQR certification
8.1.4. Transfer of the DQR employee by the Supplier for any reason to a job with no direct quality responsibilities
8.1.5. Termination of employment of the DQR employee by the Supplier for any reason
8.1.6. Termination of this plan for any reason by the Supplier.

8.2. The Supplier's Quality Manager and the DQR will be notified in writing of the date and cause of disqualification or removal, including criteria for re-qualification if applicable. The SSRN provided by MRAS will become inactive.

8.3. Re-qualification will require the DQR to complete training as established by MRAS.

9. SPECIAL AGREEMENTS

9.1. Special agreements will require the concurrence of all parties or Designees who signed the original plan, and the approval of the MRAS Sourcing Quality Leader

A. APPENDIX A - DQR Duties

When the purchase document allows for self-release of a part, the DQR must perform the following:

A. Verification of Customer Requirements:

1. Review the following documentation:
   - ☐ a. Purchase Documents (PO/PA) including latest amendments which have a bearing on the line item(s) being shipped
   - ☐ b. Drawing(s) at the revision level stated on the purchase order
   - ☐ c. Quality Requirements at the correct revision level, as called out in PO/PA
   - ☐ d. Part Marking requirements, if applicable (i.e. arrangements, method, location) as called out in the drawing/specification or purchase order

☐ 2. Generate a DQR Log for the part number.

B. Supplier Records

1. Review the following documents/records as applicable;
   - ☐ a. FAI approval by customer, if applicable (AS9102 Forms)
   - ☐ b. Material Certificates
   - ☐ c. Special Process Certificates
   - ☐ d. Manufacturing records (Routers, Inspection reports, Test reports, etc.)
   - ☐ e. Nonconformance Records/Documents

C. Verification of Part Marking and Visual Conditions

☐ 1. Verify part marking and visual conformance using the following table:

Lot Size	Quantity Verified
1-32	All
33-280	32
281-500	50
More than 500	Contact PQE for Sample Size Requirements

☐ 2. Handling Visual Non-Conformances: Perform one-over-one inspection of the specific feature for all parts in the manufacturing lot and any still in process. Select another member of the quality team to perform this inspection. Notify the MRAS PQE of any unusual visual appearance as described in M1000 and/or as required by the Purchase Documents.

D. Verification of Characteristics

☐ A. A minimum of 5 (consider 10) characteristics if available will be selected and must be re-verified on one part from each manufacturing lot included in the release quantity.

The following criteria should be followed for selection of the characteristics for re-verification:

a. Check dimensional characteristics in areas of identified visual indications, on all parts in the release lot.
b. Check characteristics generated by processes with a history of repetitive non-conformances.
c. Dimensional characteristics identified as escapes to the Customer
d. Interface Characteristics as defined on the customer drawing
e. Dimensional characteristics that define features that may have an impact on any applicable functional tests.
f. Any additional characteristics as specified by the MRAS PQE.
g. Inspect any new characteristic identified by updated revisions.

Note 1: When released product is shipped at a later date, parts must be re-inspected to verify that handling and storage precludes part(s) damage and that they continue to meet current purchase document and related requirements.
Note 2: Inaccessible characteristics must be inspected where accessible in the process.
Note 3: Some types of suppliers, for example suppliers of coatings, adhesive and raw material, etc. have very few if any dimensional characteristics that represent the defining characteristics for the product. If your company is this type of supplier, the specific characteristics that are to be selected in lieu of dimensional measurement must be agreed to in writing between the supplier and the PQE. An email or equivalent documentation from the PQE confirming the selection criteria shall be maintained on file with the signed SRP agreement.

☐ B. Inspect selected characteristics and record results on the DQR Log.

☐ C. Inspection of Borderline Conditions.

If any measurement is within 10% of total tolerance from upper or lower spec limit the following actions are required:

- ☐ a. Assure that sufficient number of locations on the feature have be inspected in order verify conformity.
- ☐ b. Verify the same characteristic on additional parts, to assure that parts are consistently conforming and that the process is in control.

Note 1: Additional guidance regarding borderline conditions can be found in the DQR training manual.

D. Handling Non-conformances:

- ☐ a. Record nonconformance information on the DQR Log. Require 100% re-inspection of the characteristic that is found non-conforming on all parts in the manufacturing lot.
- ☐ b. Inspect the non-conforming characteristic on future shipments, until two consecutive lots are found acceptable. This is in addition to the minimum of five characteristics selected per paragraph D1.
- ☐ c. Report all non-conformances or non-compliances to supplier management via appropriate internal supplier quality system requirements. Record tracking number on the DQR Log.
- ☐ d. Assure that nonconforming parts are placed on “HOLD” until dispositioned.
- ☐ e. Assure that the appropriate people are notified of the nonconformance in order to properly investigate previous shipments for the same nonconformance.

E. Review the Packing Slip for the following:

- ☐ a. Correct part number
- ☐ b. Quantity
- ☐ c. Purchase document number and item number
- ☐ d. Shipment number

F. Approval for Shipment

- ☐ 1. Sign and enter DQR SSRN on Packing Slip.

B. APPENDIX B – DQR LOG

FORM SQ-1600: MRAS DQR Log

KEY #	GUIDE TO COMPLETING THE DQR LOG
1	Record the page number and the total number of pages that are contained in this MRAS DQR Log.
2	Record the Part Number
3	Record the Revision for the Part Number involved
4	Record the Supplier Name.
5	Record the Supplier Code.
6	Record the characteristic balloon number from the ballooned first article drawing.
7	Record the selected characteristic's requirement from the drawing. (Visual and Part Marking are pre-printed because they are checked during every release)
8	Record the drawing page and zone or note that applies to the selected characteristic.
9	Record the class of the selected characteristic. If it is a minor characteristic, no entry is required in this column.
10	Record the **actual measurement** of the selected characteristic. For an attribute characteristic like "Part Marking" or "Visual," record the acceptability status, i.e., "Conforms" or "Accept."
11	It a nonconformance is identified, record the tracking number of the nonconformance document/corrective action request (CAR) that is being issued.
12	If the part is serialized, record the serial number.
13	Record the Date.
14	Record your SSRN number.

SHEET 1 OF 1

Part No : 2

Rev 3

Supplier : 4

MRAS Supplier Code : 5

MRAS DQR Log

ase Agreement (SSRA)

1. **When re-verifying characteristics**
   a. Select the characteristic, enter the date of the re-verification, enter the actual results.
2. **If a nonconformance is detected :**
   a. Initiate a Corrective Action Request
   b. Log the CAR number adjacent to the nonconformance
   c. Inspect the nonconforming characteristic, enter the results in the next adjacent columns, and add char t to char to be checked until 2 consec lots are acceptable

BORDERLINE CONDITIONS (WITHIN 10% OF TOTAL TOLERANCE FROM ANY SPEC LIMIT) REQUIRES THAT ADDITIONAL PARTS IN THE LOT ARE MEASURED

FOR EACH MANUFACTURING LOT WITHIN A SHIP QTY. A MINIMUM OF 5 CHAR. MUST BE RE-VERIFIED

	A	MINIMUM OF 5 CHARACTERISTICS REQUIRED IN ADDITION TO PART MARK AND VISUAL
	B	CHECK DIMENSIONAL CHARACTERISTICS IN AREAS WERE VISUAL INDICATIONS HAVE OCCURRED.
	C	CHECK CHARACTERISTICS & PROCESSES WITH A HISTORY OF NONCONFORMANCES
	D	ESCAPES TO MRAS or MRAS CUSTOMERS
	E	INTERFACE CHARACTERISTICS
	F	CHARACTERISTICS THAT MAY HAVE INPACT ON FUNCTIONAL TESTS
	G	ANY aditional CHARACTERISTIC SPECIFIED BY PQE.

Characteristic Accountability				DQR Re-verification (12)											
Char No	Drawing Requirement	Note Zone	Char Class	S/N (13) DATE : DQR: (14)			S/N DATE : DQR:			S/N DATE : DQR:			S/N DATE : DQR:		
				Results (Variable)	Borderline (MAX/MIN)	Corrective Action No.	Results (Variable)	Borderline (MAX/MIN)	Corrective Action No.	Results (Variable)	Borderline (MAX/MIN)	Corrective Action No.	Results (Variable)	Borderline (MAX/MIN)	Corrective Action No.
	VISUAL		9	10		11									
	PART MARKING														
6		8													
	7														

SHEET 1 OF	**MRAS DQR Log**
Part No :	**1. When re-verifying characteristics** a. Select the characteristic, enter the date of the re-verification, enter the actual results.
Rev	**2. If a nonconformance is detected :** a. Initiate a Corrective Action Request
Supplier :	b. Log the CAR number adjacent to the nonconformance
MRAS Supplier Code :	c. Inspect the nonconforming characteristic, enter the results in the next adjacent columns, and add char to char to be checked until 2 consec lots are acceptable

BORDERLINE CONDITIONS (WITHIN 10% OF TOTAL TOLERANCE FROM ANY SPEC LIMIT) REQUIRES THAT ADDITIONAL PARTS IN THE LOT ARE MEASURED	**FOR EACH MANUFACTURING LOT WITHIN A SHIP QTY. A MINIMUM OF 5 CHAR. MUST BE RE-VERIFIED**	A MINIMUM OF 5 CHARACTERISTICS REQUIRED IN ADDITION TO PART MARK AND VISUAL
		B CHECK DIMENSIONAL CHARACTERISTICS IN AREAS WERE VISUAL INDICATIONS HAVE OCCURRED.
		C CHECK CHARACTERISTICS & PROCESSES WITH A HISTORY OF NONCONFORMANCES
		D ESCAPES TO MRAS or MRAS CUSTOMERS
		E INTERFACE CHARACTERISTICS
		F CHARACTERISTICS THAT MAY HAVE INPACT ON FUNCTIONAL TESTS
		G ANY aditional CHARACTERISTIC SPECIFIED BY PQE.

Characteristic Accountability				**DQR Re-verification**												
Char No	Drawing Requirement	Note Zone	Char Class	S/N DATE : DQR:			S/N DATE : DQR:			S/N DATE : DQR:			S/N DATE : DQR:			
				Results (Variable)	Borderline (MAX/MIN)	Corrective Action No.	Results (Variable)	Borderline (MAX/MIN)	Corrective Action No.	Results (Variable)	Borderline (MAX/MIN)	Corrective Action No.	Results (Variable)	Borderline (MAX/MIN)	Corrective Action No.	
	VISUAL															
	PART MARKING															

Sht. 2 of

MRAS DQR Log

Characteristic Accountability				DQR Re-verification												
Char No	Drawing Requirement	Note Zone	Char Class	S/N DATE : DQR:			S/N DATE : DQR:			S/N DATE : DQR:			S/N DATE : DQR:		
				Results (Variable)	Borderline (MAX/MIN)	Corrective Action No.	Results (Variable)	Borderline (MAX/MIN)	Corrective Action No.	Results (Variable)	Borderline (MAX/MIN)	Corrective Action No.	Results (Variable)	Borderline (MAX/MIN)	Corrective Action No.
	VISUAL														
	PART MARKING														
No	Drawing Requirement	Zone	Class	DATE : DQR:			DATE : DQR:			DATE : DQR:			DATE : DQR:		
				Results (Variable)	Borderline (MAX/MIN)	Corrective Action No.	Results (Variable)	Borderline (MAX/MIN)	Corrective Action No.	Results (Variable)	Borderline (MAX/MIN)	Corrective Action No.	Results (Variable)	Borderline (MAX/MIN)	Corrective Action No.
	VISUAL														
	PART MARKING														