



## PROCEDURE EVALUATION: FINAL REPORT

**TO:** Wojskowe Zakłady Lotnicze NR 4 S.A.  
**Vendor Code (T9310)**  
**ATTN: Lukasz Osendowski**  
Ksiecicia Boleslawa 1/3  
Warszawa, 01-452  
POLAND

**PROJECT NO.:** 4538-96980-1

**DATE:** November 3, 2014

**AUTHORIZATION:** NR-514/E

### INTRODUCTION:

Per customer's request, the CCL has reviewed your submitted procedures for testing, preparation and evaluation of their processed coating. The results are presented in the following text. If you have any further questions, please feel free to call at your leisure.

### SUMMARY:

After careful review of supplied procedure(s), adhering to the appropriate specification and classifications, the CCL lists the approvals and/or rejections of vendor's procedures and certifies those that have been accepted passed this portion of the requirements for GE's approval. All submitted procedures to be approved are listed in the following text.

A handwritten signature in black ink that reads "Jonathan W. Cohron". The signature is written over a horizontal line.

Dr. Jonathan W. Cohron, Manager  
Metallography, Failure Analysis, and  
Central Coatings Laboratory

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### Procedure(s) That Have Been Reviewed By The CCL

	Procedure(s)	Revision	Title	CCL Evaluation
1	P-3A/LAB/306	Issue 3	Tensile Test	Accepted

**Comments:** All scopes and testing equipment utilized were calibrated prior to use. CCL assessments correspond to customer supplied for those marked as accepted. GE supplied photo standards were used when required.

### Conclusion:

The CCL has reviewed the supplied procedure. The supplied procedure has been accepted and updated into customer's file. According to the CCL's permanent records, customer now has 10 procedures that are CCL approved. It should be noted that in issuing acceptance of said procedures is not an acceptance of actual processes and should not be interpreted as such. It should also be noted that GE requires an Over-Read of at least one sample from each coating supplied to GE by "F" specification and class periodically based on their NADCAP merit. This is covered in the latest revision of the S-459.

The CCL is only approving the above listed accepted procedure with this report. Upon receipt of this report it is the sole responsibility of the vendor to notify their GE representative (PQE) as well as advising David Day at GE of their status. Any discrepancies between the vendor's data file and the CCL needs to be addressed immediately. Please keep the stamped and signed copy of this document as well as an "Exhibit #5" that is issued in conjunction. As a closing note, this is a Final Report and is a binding document. No additional reviews or evaluations will be done under the current project number.

**Acknowledgments:** Thanks are due to Tiffany Uhl for Administrative Assistance.



Issued By: Sourcing Quality	Title: COATINGS' EVALUATION LABORATORY CERTIFICATION	Reference Spec: S459
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### EXHIBIT #5

LABORATORY PROCEDURES (Number and Revision Controlled) APPROVED BY THE CCL

GE Supplier Code T9310  
 Supplier Lab Name Wojskowe Zaklady Lotnicze NR 4 S.A.

	Procedure Number & Name	Revision Number	Approval Date
Sectioning	P-3A/LAB/301 – Cutting	Issue 1	1/26/12
Mounting	P-3A/LAB/302 – Vacuum mounting	Issue 1	1/26/12
Polishing	P-3A/LAB/303 – Grinding and polishing	Issue 1	1/26/12
Microstructure Eval.	P-3A/LAB/300 – Preparation and evaluation of plasma sprayed coatings	Issue 1	1/26/12
	P-3A/LAB/304 – Microscope evaluation	Issue 1	1/26/12
	P-3A/LAB/307 – Archiving data and samples	Issue 1	1/26/12
	P-3A/LAB/308 – Maintenance and calibration	Issue 1	1/26/12
	P-3A/LAB/309 – Round Robin laboratory program	Issue 1	1/26/12
Tensile	P-3A/LAB/306 – Tensile test	Issue 3	11/3/14
Lap Shear	N/A		
Macrohardness	P-3A/LAB/305 – Superficial Rockwell hardness test	Issue 3	11/8/13
Microhardness	N/A		
Erosion	N/A		
Hoffman Scratch	N/A		

CCL Approval Jonathan W. Cohron  
 Dr. Jonathan W. Cohron, Manager  
 Metallography, Failure Analysis and  
 Central Coatings Laboratory

Date: 11/3/14