

**HORSTMAN CANADA**  
**SUPPLIER QUALITY ASSURANCE REQUIREMENTS**  
**SQAR No. 31**

The requirement outlined below, as specified on this purchase order and subsequent amendments, forms in integral part of the purchase order between Horstman Canada Inc. and the seller. The requirement shall remain in force for the duration of this purchase order only, unless deviation is authorized in writing by Horstman Canada.

**31 PPAP (Production Part Approval Process)**

**1. Suppliers who perform PPAPs' per their Quality System Requirements:**

1.1. Production part approval is required prior to the acceptance of the first production shipment as detailed in the AIAG PPAP Manual. The submission level shall be 4, unless Horstman Canada specifies otherwise. As a minimum the submission shall include:

- 1.1.1. Part Submission Warrant
- 1.1.2. DFMEA
- 1.1.3. Process Flow Diagram
- 1.1.4. Process Control Plan
- 1.1.5. PFMEA
- 1.1.6. Gauge R&R studies for dimensional tolerances of  $\pm 0.005$  or less
- 1.1.7. Dimensional Reports
- 1.1.8. Material, Performance test Results
- 1.1.9. Records of compliance to Performance Specification Requirements

1.2. Sample size shall be determined by Horstman Canada. SQAR 10 may be applied with prior written approval from Horstman Canada.

1.3. COTS items do not need a PPAP, but do need full certification, per SQAR 17.

**2. Suppliers who DO NOT not perform PPAPs' per their Quality System Requirements:**

2.1. Suppliers should obtain the PPAP Guide from AIAG (Automotive Industry Action Group)

2.2. As a minimum the submission shall include:

- 2.2.1. Part Submission Warrant
- 2.2.2. Process Flow Diagram
- 2.2.3. Process Control Plan
- 2.2.4. PFMEA
- 2.2.5. Gauge R&R studies for dimensional tolerances of  $\pm 0.005$  or less
- 2.2.6. Dimensional Reports
- 2.2.7. Material Test Reports

<u>REVISION</u>	<u>DATE</u>	<u>DESCRIPTION</u>	<u>REV'D BY</u>
C	JUNE 08/2023	REVISED TO HC	C. ALBECKER

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- 2.3. SQAR 10 applies to all suppliers who produce components or perform surface finishing applications for Horstman Canada.
- 2.4. The requirements of SQAR 10 apply, with the exception that the quantity shall be a minimum of five (5) pieces with the first production shipment.
- 2.5. COTS items do not need a PPAP, but do need full certification, per SQAR 17.

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