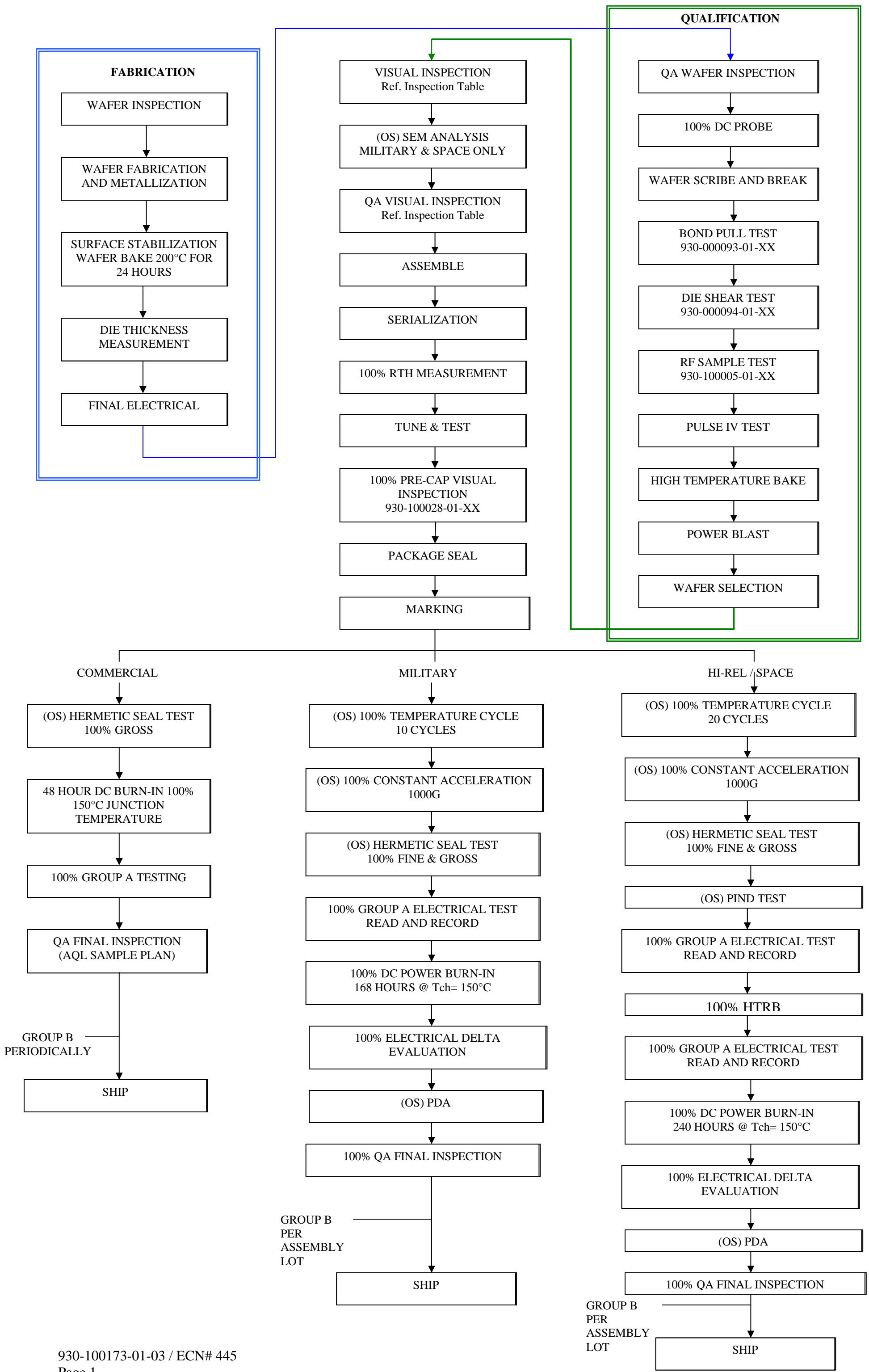


PROCESS FLOW CHART PACKAGED DEVICES



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GROUP A TESTING	
DC	IDSS
	BVGD
	Vp
	gm
RF	P1dB
	G1dB
	Id 1dB
	Im3 (optional)

GROUP B TESTING	* MIL-STD-883	* MIL-STD-750
Physical Dimensions	Method 2016	Method 2066
Solderability	Method 2003	Method 2026
Resistance to Solvents	Method 2015	Method 1022
Temperature Cycling <ul style="list-style-type: none"> • Military Grade • Space Grade 	Method 1010 25 Cycles 50 Cycles	Method 1051 25 Cycles 50 Cycles
Steady State Life Tch= 175°C for 340 Hours minimum	Method 1005	Method 1027
DPA	* MIL-STD-1580A	* MIL-STD-1580A
	* Unless otherwise indicated	* Unless otherwise indicated

Environmental & Mechanical Testing Specifications		
	*MIL-STD-883	*MIL-STD-750
Hermetic Seal Test	Method 1014	Method 1071
<ul style="list-style-type: none"> • Fine Leak • Gross Leak 	Condition A1 Condition C	Condition G or H
Temperature Cycle (Standard Military Level)	Method 1010, Condition C	Method 1051, Condition C
Temperature Cycle (Standard Space Level)	Method 1010, Condition C	Method 1051, Condition C
Constant Acceleration	Method 2001	Method 2006
PIND Test	Method 2020	Method 2052, Condition A
RTH Measurement	Method 1012	
HTRB (High Temperature Reverse Bias)	Method 1015, Condition A	Method 1042, Condition B
DPA	*MIL-STD-1580A	*MIL-STD-1580A
	*Unless otherwise indicated	*Unless otherwise indicated

Delta Parameters	Delta Limits for Burn-In	Delta Limits for Group B Test
Saturated Drain Current – IDSS	+/- 10%	+/- 10%
Transconductance – gm	+/- 10%	+/- 20%
Pinch off Voltage – Vp	+/- 10%	+/- 15%
Power – P1dB	+/- 0.5dB	-0.5dB

INSPECTION TABLE		
COMMERCIAL	MILITARY	HI-REL / SPACE
AQL Sampling plan	MIL-STD-883, Method 2010, Class level B	MIL-STD-883, Method 2010, Class level S
Excelics Internal specifications	MIL-STD-750, Method 2070, 2071 & 2072	MIL-STD-750, Method 2070, 2071 & 2072