Stage■11: OSB (Operationally Sufficient Basin) Checklist

Purpose: You don't need a mathematically perfect single basin. You need a basin good enough to guarantee stability and low hallucination — the denoiser stack does the rest.

Hard Behavior Gates (must pass)

Accuracy exact	≥ target (Latent■ARC: 100/100 exact)
Hallucination	≈ noise floor (≤0.5%)
Token drift stability	$r\_trend\_tokens \geq 0.90$
Trajectory health	Radius ↓, SNR ↑ over steps

Soft Landscape Health (advisory, not blocking synthetic)

Phantom Index (PI)	≤ 0.30 post■warp
Margin	≥ 0.03 (true well deeper than runner■up)
S_median	≥ 0.50 (apex sharpness)

Stress Probes (fast checks)

Pass ≥3/4 while still meeting hard gates:

• Half the steps

• +25% jitter

• Tap shift (−3 ↔ −2)

• 20% prompt mix shift

When to Tighten Bars (LLM integration, not synthetic)

Phantom Index (PI)	≤ 0.15
Margin	≥ 0.04
S_median	≥ 0.55
Calibration	≥ 300 on■topic calibration prompts

Bottom Line

• Clean is nice. Good enough is plenty: if hallucination is suppressed and trajectories stabilize, you've met Stage■11's doctrine (Warp → Detect → Denoise).

• Use PI/margin as dashboard lights, not blocking bars.