

Worksheet: I&C Licensing Self-Assessment

Use this quick scorecard to identify risks early in your I&C planning.

Caution: Getting even one of these **wrong** can **add 4-6 months and \$500K+** to your project.



For each question, rate your team's current level of confidence:

● = Not at all ● = Somewhat ● = Fully Confident

Licensing Planning Scorecard

Q No.	Self-Assessment Question	●	●	●
1	Can we confidently define the smallest, licensable scope based on regulatory requirements from day one without overshooting or overpromising? <i>Scope creep is the silent budget killer in lean demonstration reactor projects.</i>	☐	☐	☐
2	Are we confident our RFP language will prevent vendors from proposing oversized, commercial-scale solutions that blow our budget?	☐	☐	☐
3	Does our EPC team understand Class 104(c) licensing requirements and how they differ from commercial reactor standards?	☐	☐	☐
4	Are our design requirements clear on how to preserve licensing flexibility and avoid committing to burdensome defaults and details?	☐	☐	☐
5	Have we carefully reviewed and pared down our PDCs to only what's truly required for regulatory approval based on NUREG-1537 or RG 1.232? <i>Overdesigned PDCs often add \$1M+ in unnecessary I&C costs.</i>	☐	☐	☐
6	Do we have expertise to guide NRC reviewer expectations and prevent misclassification that could trigger unnecessary commercial-level requirements?	☐	☐	☐
7	Do we know which NRC requests we can challenge with precedent, and which battles are worth fighting?	☐	☐	☐
8	Is our team aware of the common NPP-type assumptions to challenge or are we planning to accept vendor/NRC input at face value?	☐	☐	☐
9	Who on the team is experienced in differentiating licensing needs from asset protection ?	☐	☐	☐
10	Have we clearly defined our I&C scope by our licensing mission , not just what vendors are used to providing? <i>Mission-driven scope prevents gold-plating that can triple your I&C budget.</i>	☐	☐	☐

Your Results

- **8–10 Green Checks (●):** You're positioned to complete licensing faster than industry average.

- 5–7 Orange/Green Mix (🟡/🟢): You're at risk for budget overruns.
- 0–4 Green Checks (mostly 🟡/🟢): High probability of major scope creep, budget doubles, and 6+ month delays

What This Means for You

If you checked mostly red/orange, you're not alone. Every demonstration reactor start-up starts with these same knowledge gaps. The difference is catching them early vs. discovering them mid-project when changes are 4x more expensive.

Your ROI Multiplier

A 2-hour consultation addressing your red/orange areas typically identifies \$500K-\$1.5M in avoided scope creep and 2-3 months of schedule reduction.

Ready to talk? ✉ marcum@icoperative.com | 📞 (512) 534-9680 | 🔗 [Linkedin](#)

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