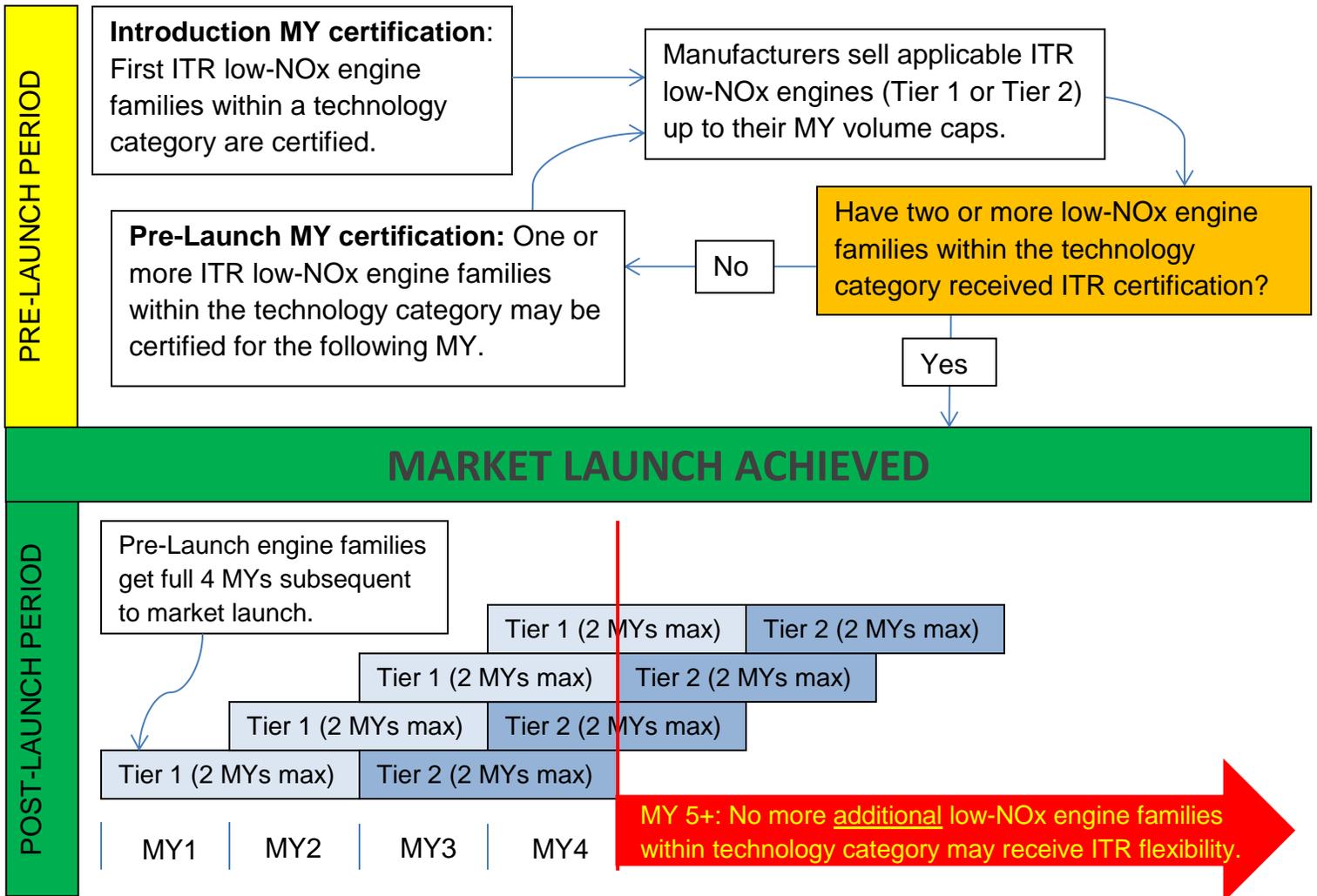


Attachment A: Potential Process for Certifying Low-NOx Heavy-Duty Engine with ITR Flexibility

Low NOx Engine Technology Categories			
Engine Type	g/bhp-hr NOx		
	0.10	0.05	0.02
CI	0.10CI	0.05CI	0.02CI
Otto Cycle	0.10OC	0.05OC	0.02OC

For both Tiers 1 and 2, for each model year (MY), manufacturers would be required to:

- 1) First apply to qualify for Tier 1 or Tier 2 ITR flexibility.
- 2) Once ITR flexibility is approved, certify the engine family in accordance with applicable requirements.
- 3) Submit ITR End of Year Compliance Report, including sales data for the MY.



Annual ITR Heavy-Duty Engine Sales Allowance:

Low-NOx: 10 percent of average annual sales volume or 200, whichever is greater.

Low-NOx + Hybrids: 12.5 percent of average annual sales volume or 250, whichever is greater.

Average annual sales volume = annual average of total California sales over the 3 most recent MYs, not including the immediately preceding MY (e.g., for MY 2017, average based on MYs 2013, 2014, and 2015).