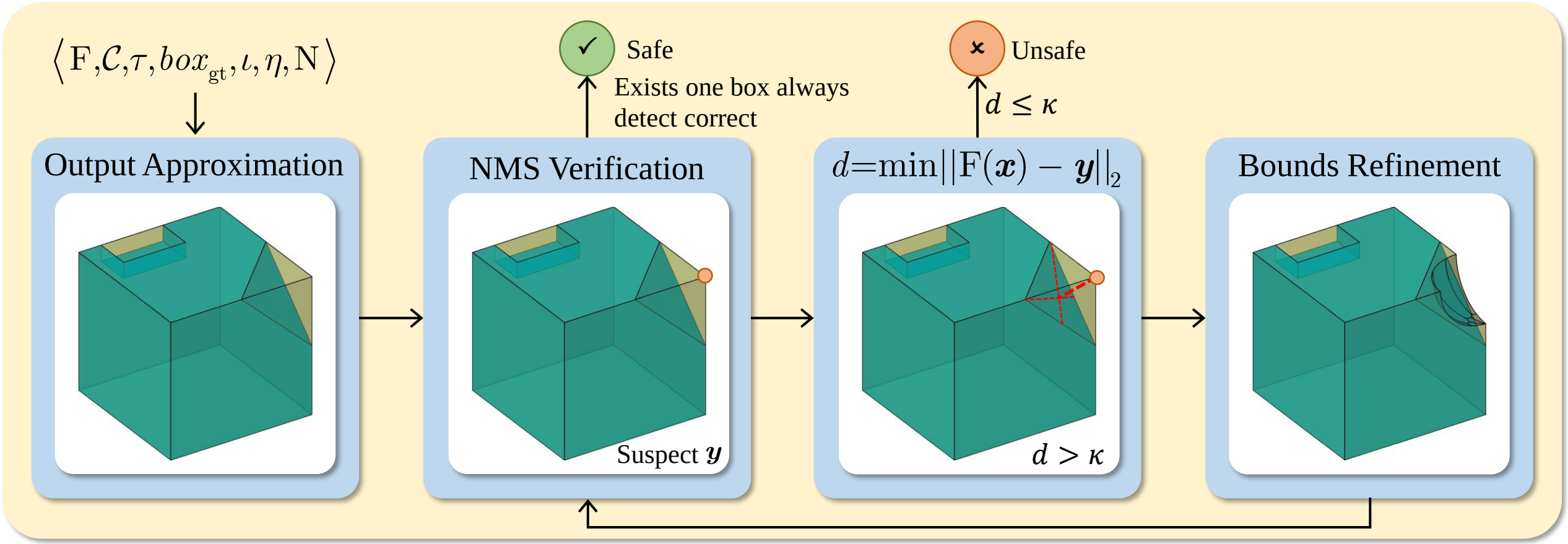
$\langle \mathrm{F}, \mathcal{C}, \tau, box_{\mathrm{gt}}, \iota, \eta, \mathrm{N} \rangle$
Output Approximation
Safe
Exists one box always detect correct
NMS Verification
Suspect $\boldsymbol{y}$
Unsafe
$d \leq \kappa$
$d = \min ||\mathrm{F}(\boldsymbol{x}) - \boldsymbol{y}||_2$
$d > \kappa$
Bounds Refinement