Common axioms

(4) $\Diamond\Diamond p \to \Diamond p$

(T) $p \to \Diamond p$

(B) $p \to \Box\Diamond p$

(D) $\Box p \to \Diamond p$

(L) $\Box(\Box p \to p) \to \Box p$

Logics, generating axioms, and corresponding frame classes

K	—	all frames
K4	4	transitive frames
T	T	reflexive frames
B	B	symmetric frames
KD	D	right-unbounded frames (i.e. $\forall w \in W : \exists v \in W : (w, v) \in R$)
S4	T + 4	reflexive, transitive frames
S5	T + 4 + B	frames (W, R) with R equivalence relation
KL	L	frames that are finite, transitive trees