Axiom A maps have the specification property, which Bowen used to prove uniqueness of equilibrium states for a broad class of potentials. This property often fails for partially hyperbolic maps and for uniformly expanding maps with discontinuities. We introduce a weaker version of the specification property that allows us to extend Bowen’s results to many such maps. The same techniques allow us to treat a more general class of potentials than in the original result. (Received September 20, 2011)