Neutrosophic Modal Logic and its Physical Applications FLO-
RENTIN SMARANDACHE, University of New Mexico — *Neutrosophic Modal Logic*
is a logic where some neutrosophic modalities have been included. Let P be a neu-
trosophic proposition. We have the following types of *neutrosophic modalities*: *I.
Neutrosophic Alethic Modalities* (related to truth) has three neutrosophic operators:
Neutrosophic Possibility: It is neutrosophically possible that P. *Neutrosophic Ne-
cessity*: It is neutrosophically necessary that P. *Neutrosophic Impossibility*: It is
neutrosophically impossible that P. II. *Neutrosophic Temporal Modalities* (related
to time) It was the neutrosophic case that P. It will neutrosophically be that P. And
similarly: It has always neutrosophically been that P. It will always neutrosophi-
cally be that P. III. *Neutrosophic Epistemic Modalities* (related to knowledge): It
is neutrosophically known that P. IV. *Neutrosophic Doxastic Modalities* (related to
belief): It is neutrosophically believed that P. V. Neutrosophic Deontic Modalities:
It is neutrosophically obligatory that P. It is neutrosophically permissible that P p.).

Florentin Smarandache
University of New Mexico