

Request for comments

RFC20050927ARb: Clarification of detection timing

1st draft: A. Reeves, September 27, 2005

Applies to: Model description v1.0.2a (June 11, 2005)

Type of change: Behavior clarification

Summary: The proposed change explicitly codifies the current behavior of the model regarding the timing of detection events.

Change: This change applies to Section 6.1 (Quarantine). Current text to be deleted is struck out, proposed replacement text is highlighted:

A diseased unit is quarantined ~~as soon as it is detected~~ **on the day immediately following its detection**. Quarantined units cannot be involved in direct contact, but indirect contact and airborne spread may still occur to or from a quarantined unit.

End of changes

Justification: The proposed change explicitly codifies the current behavior of the model regarding the timing of detection events.

One consequence of this behavior is that infected units may still spread disease by direct contact on the day of detection: quarantine does not prevent direct contact until the day following detection. (As noted above, quarantine status does not affect indirect contact or airborne spread.)

Other options for handling detection timing may also be available if the current approach is not adequate: alternative proposals are encouraged.