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Assumptions:

1) Update button on the WCP will not be pressed again if a previous update message has not been processed by the CM yet.

The key property of this system is to be able to propagate the latest weather update to all connected clients via the communication manager. Define the key property in Linear-time temporal logic (LTL)

LTL:

[] ((num_connected > 0) -> <> p0)

Explanation:

Globally, if the message 'update_CM' from WCP to CM is sent, all connected WACs will receive the message 'get_new_winfo'

Deadlocks

No deadlocks were found after verification was run.