

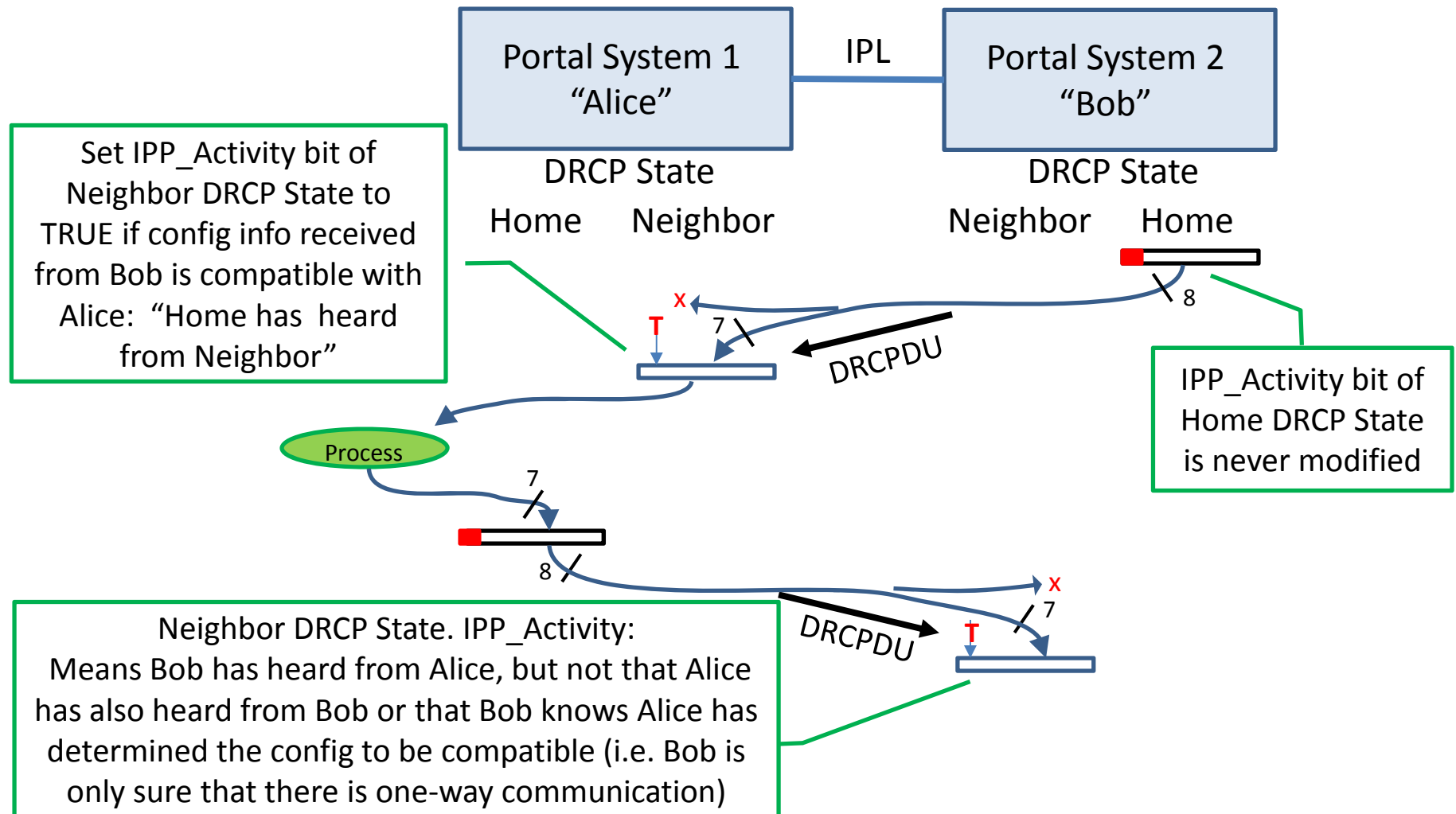
# DRCP IPP\_Activity

Version 1

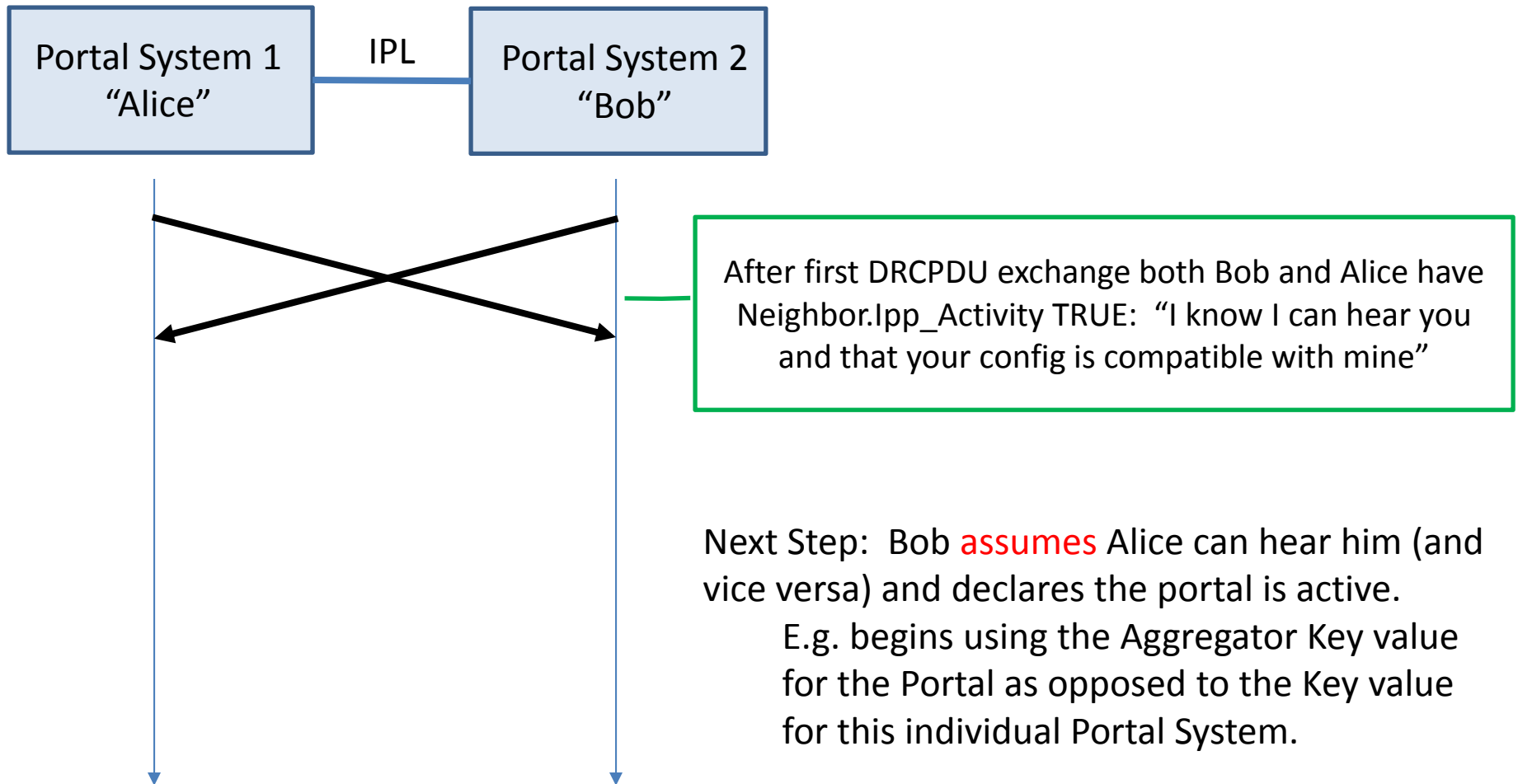
Stephen Haddock

March 15, 2016

# DRCP\_State.IPP\_Activity: Current Behavior (my interpretation)

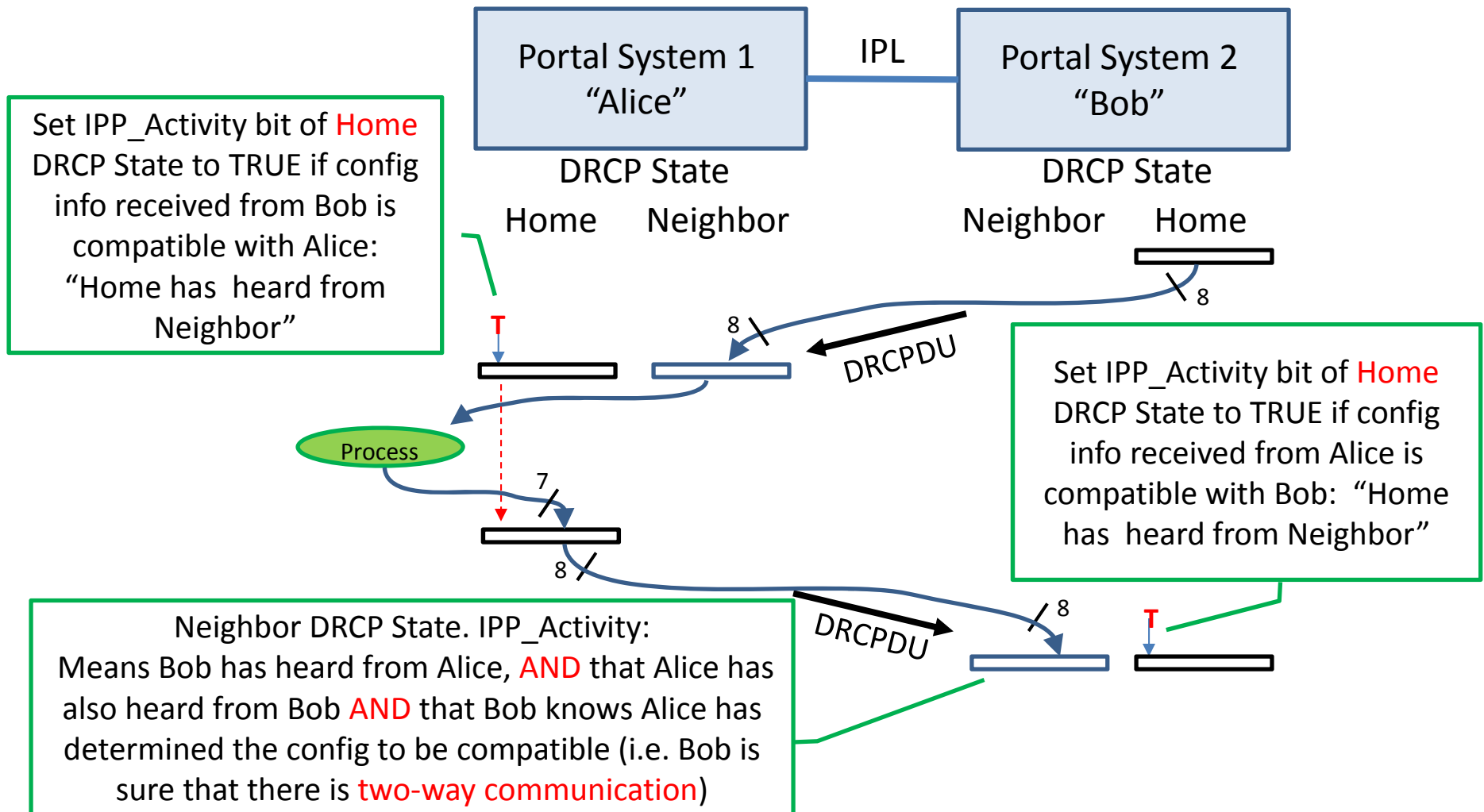


# Current

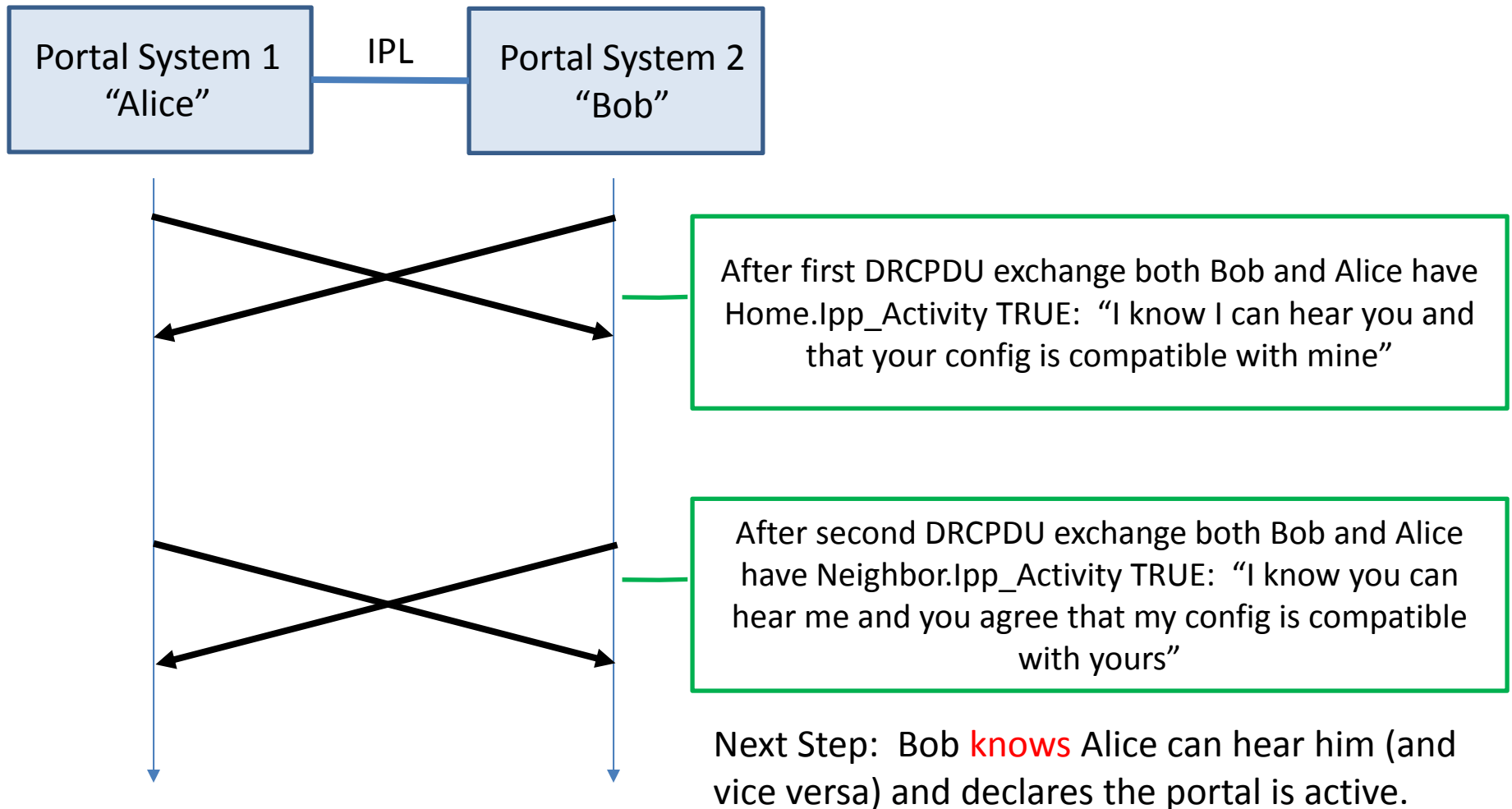


# DRCP\_State.IPP\_Activity:

What comment requests:



# Why is this change significant?



# Proposed Response to the comment

- The variable `DRF_Neighbor_Oper_DRCP_State.IPP_Activity` is important for the DRCPs state machine operations and should not be redefined. The `IPP_Activity` variable in the transmitted DRCPDUs just references the `DRF_Neighbor_Oper_DRCP_State.IPP_Activity` value. The `DRF_Neighbor_Oper_DRCP_State.IPP_Activity` is set or cleared to indicate DRCPDUs have been received from the Neighbor. All the other bits of the `DRF_Neighbor_Oper_DRCP_State` are copied from the received DRCPDU. This needs to be clarified in the `recordNeighborState` function.
- The current text: “This function sets `DRF_Neighbor_Oper_DRCP_State.IPP_Activity` to `TRUE` and records the parameter values for the `Drni_Portal_System_State[]` and `DRF_Home_Oper_DRCP_State` carried in a received DRCPDU [item s) in 9.4.3.2] on the IPP, as the current parameter values for `Drni_Neighbor_State[]` and `DRF_Neighbor_Oper_DRCP_State` associated with this IPP respectively.” should be replaced with:
- “This function sets `DRF_Neighbor_Oper_DRCP_State.IPP_Activity` to `TRUE` and records the parameter values for the `Drni_Portal_System_State[]` and `DRF_Home_Oper_DRCP_State` carried in a received DRCPDU [item s) in 9.4.3.2] on the IPP, as the current parameter values for `Drni_Neighbor_State[]` and `DRF_Neighbor_Oper_DRCP_State` associated with this IPP respectively, with the exception of the `IPP_Activity` bit. In addition, if the received `DRF_Home_Oper_DRCP_State.IPP_Activity == FALSE` then DRCPDU `DRF_Home_Oper_DRCP_State.Gateway_Sync = FALSE`”

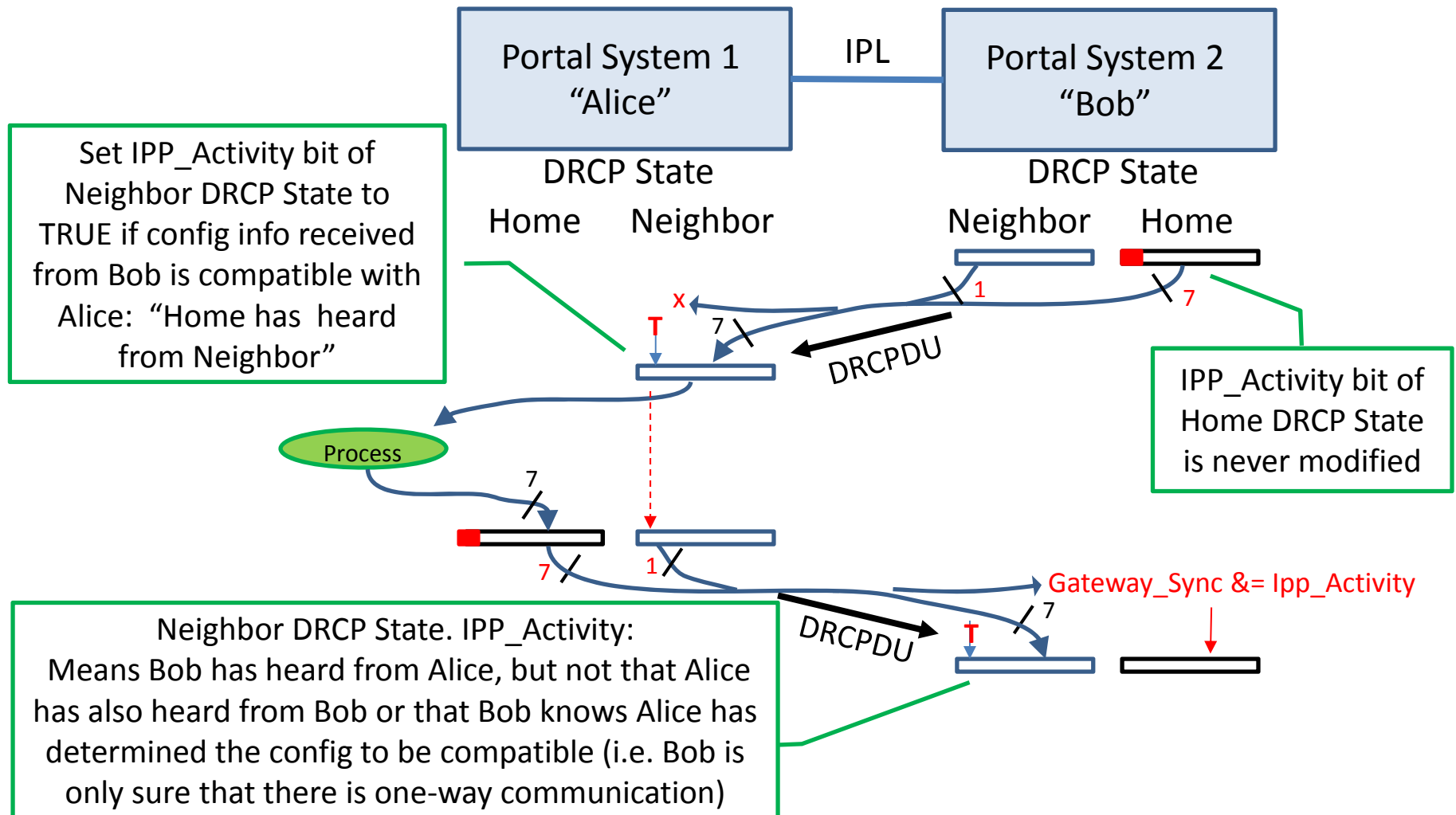
# Proposed Response to the comment

- The variable `DRF_Neighbor_Oper_DRCP_State.IPP_Activity` is important for the DRCPs state machine operations and should not be redefined. **The `IPP_Activity` variable in the transmitted DRCPDUs just references the `DRF_Neighbor_Oper_DRCP_State.IPP_Activity` value.** The `DRF_Neighbor_Oper_DRCP_State.IPP_Activity` is set or cleared to indicate DRCPDUs have been received from the Neighbor. All the other bits of the `DRF_Neighbor_Oper_DRCP_State` are copied from the received DRCPDU. This needs to be clarified in the `recordNeighborState` function.
- The current text: “This function sets `DRF_Neighbor_Oper_DRCP_State.IPP_Activity` to TRUE and records the parameter values for the `Drni_Portal_System_State[]` and `DRF_Home_Oper_DRCP_State` carried in a received DRCPDU [item s) in 9.4.3.2] on the IPP, as the current parameter values for `Drni_Neighbor_State[]` and `DRF_Neighbor_Oper_DRCP_State` associated with this IPP respectively, with the exception of the `IPP_Activity` bit. In addition, if the received `DRF_Home_Oper_DRCP_State.IPP_Activity == FALSE` then `DRCPDU_DRF_Home_Oper_DRCP_State.Gateway_Sync = FALSE`”  

If the `IPP_Activity` variable in the transmitted DRCPDUs comes from the Neighbor DRCP state, how can we reference it as “the received `DRF_Home_Oper_DRCP_State.IPP_Activity`” ?
- “This function sets `DRF_Neighbor_Oper_DRCP_State.IPP_Activity` to TRUE and records the parameter values for the `Drni_Portal_System_State[]` and `DRF_Home_Oper_DRCP_State` carried in a received DRCPDU [item s) in 9.4.3.2] on the IPP, as the current parameter values for `Drni_Neighbor_State[]` and `DRF_Neighbor_Oper_DRCP_State` associated with this IPP respectively, with the exception of the `IPP_Activity` bit. In addition, if the received `DRF_Home_Oper_DRCP_State.IPP_Activity == FALSE` then `DRCPDU_DRF_Home_Oper_DRCP_State.Gateway_Sync = FALSE`”

# DRCP\_State.IPP\_Activity:

What the proposed response suggests:





# What does the proposed response accomplish?

- On the plus side:
  - The proposed response does fix the bug that the Neighbor DRCP State.IPP\_Activity is set TRUE and then immediately overwritten with the received DRCP State.IPP\_Activity which is always FALSE.
    - The comment resolved this by making it the Home DRCP State.IPP\_Activity is set TRUE and then the value received in the DRCPDU is stored in the Neighbor DRCP State.IPP\_Activity
- On the minus side:
  - The way the IPP\_Activity bit gets into the DRCPDU gets really screwy, but nothing fundamentally changes. Still only verify one-way communication.
- This resolution is not acceptable to the commenter