



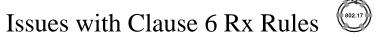
Receive Rules

Mike Takefman Cisco Systems

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- Confusing definition of EdgeOfRing
- FrameReceive Function / Rx Table is not consistent with Edge Wrapping
- Incorrect definition of discardWrongRI function
- Some corner cases missing or incorrect
- Attempt to incorporate a filter function as a separate instance from the route state

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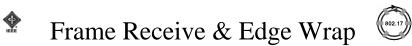
Edge of Ring



- The description is confusing
- Center wrap systems
 - both receive instances are on the edge of the ring
- Edge wrap and steering systems
 - the receive instance that is on the ring is the edge
 - the receive instance that is attached to the break is not the edge

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- Current definition of the frame receive function and receive state table do not show a method to receive a frame from the wrap path
 - This could be "inherent" or needs to be called out explicitly
 - Edge wrap systems require a mux since it is required to receive frames from both the PHY (topology packets) and the wrap path

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Discard Wrong RI function



- For wrapping rings, packets with wrong RI are a normal part of protection.
- Context containment of packets with wrong RI must occur prior to unwrapping the rings
- There is a corner case where a frame is launched on the wrong RI (and the ring in not wrapped)
- The method was agreed to in Dallas

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Discard Wrong RI function



- Current draft attempts to integrate the state machine for controlling the discard into the Rx state machine
 - however it did not work
- Proposed machine has 4 states
 - START wait for either a protection event or a frame with wrong RI
 - DCNT now that a frame with wrong RI has arrived, count down to determine if it is the error case or a precursor to wrapping
 - PROT we are in the protection state so wait for containment
 - DISC we are in the discard state, count down until contaiment is done for either case

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Corner Cases Missing



- Missing checks for center wrap cases
- Missing checks for early wrap

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Filter Function



- Attempt to incorporate a filter function as a separate instance from the route state
- Based on discussion ongoing in the BAH

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How To Proceed



- Ad-hoc meeting during the next 2 days to cover the submission
- Check its correctness
 - Already reviewed by a few people
 - Make other changes
 - Present to CRG as basis for resolving any number of comments.

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