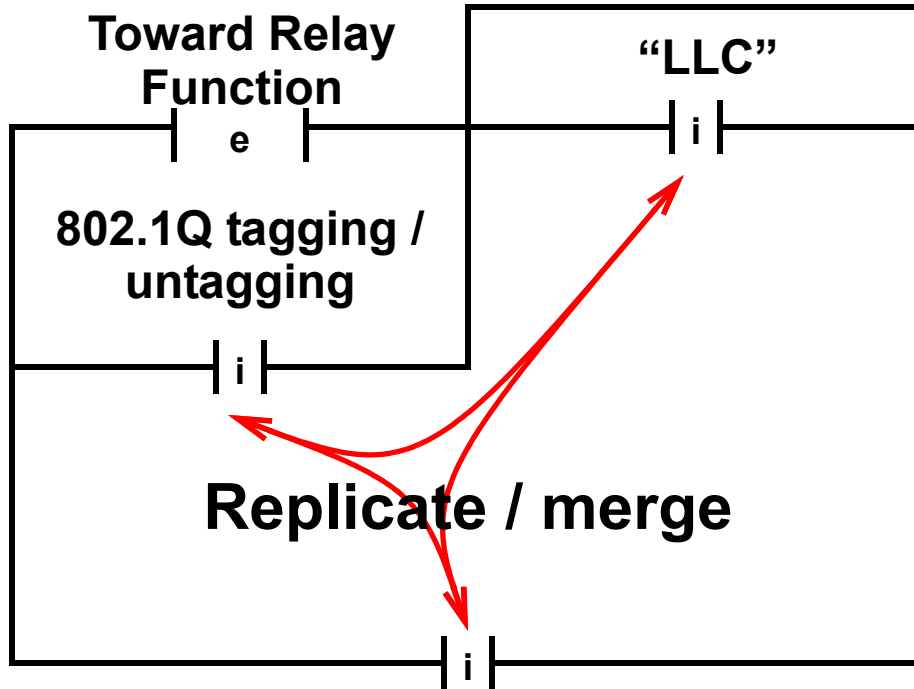This version doesn't allow for an EISS to the upper layers (brain):

Toward Relay Function
e

"LLC"
i

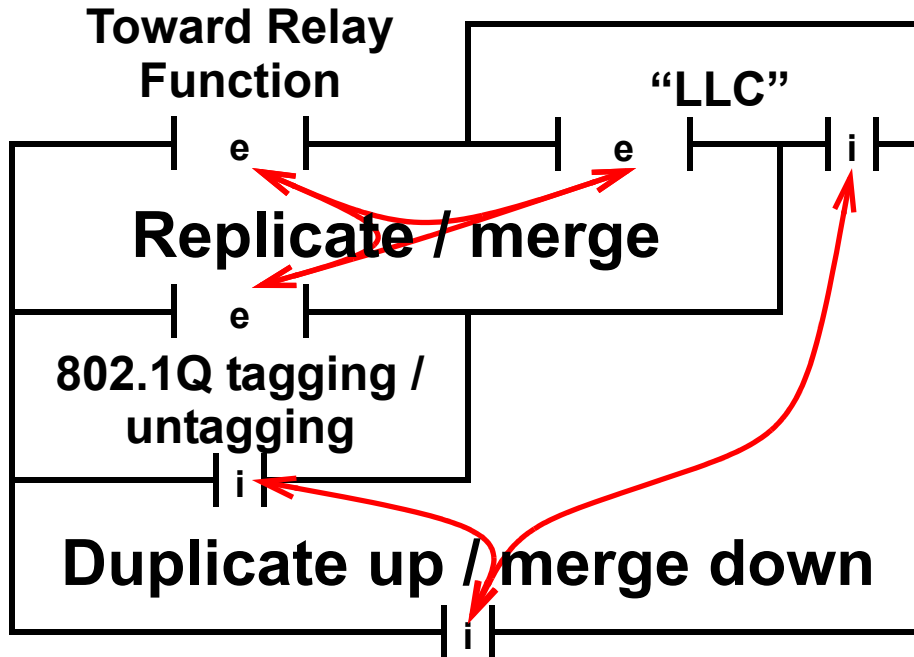**802.1Q tagging / untagging**
i

Replicate / merge

i

The LLC has no access to the "raw" data stream execpt by using VLAN 0 or 0xFFF to mean, "untagged" in the tagging/untagging function. Worse, the LLC cannot enforce the rule that BPDUs be untagged:

Toward Relay Function
e

"LLC"
e

Replicate / merge

e

802.1Q tagging/untagging

i
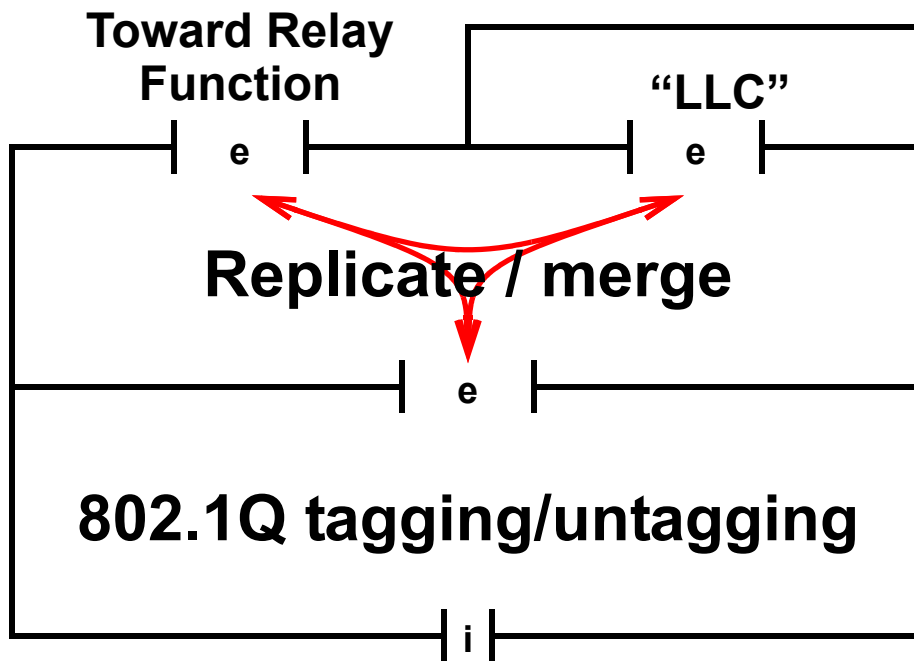
This version is rather complex:, but loops back emitted LLCs!

Toward Relay Function

"LLC"

e   e   i

Replicate / merge

e

802.1Q tagging / untagging

i

Replicate / merge

i

But, we can fix this:

Toward Relay Function

"LLC"

e   e   i

Replicate / merge

e

802.1Q tagging / untagging

i

Duplicate up / merge down

i
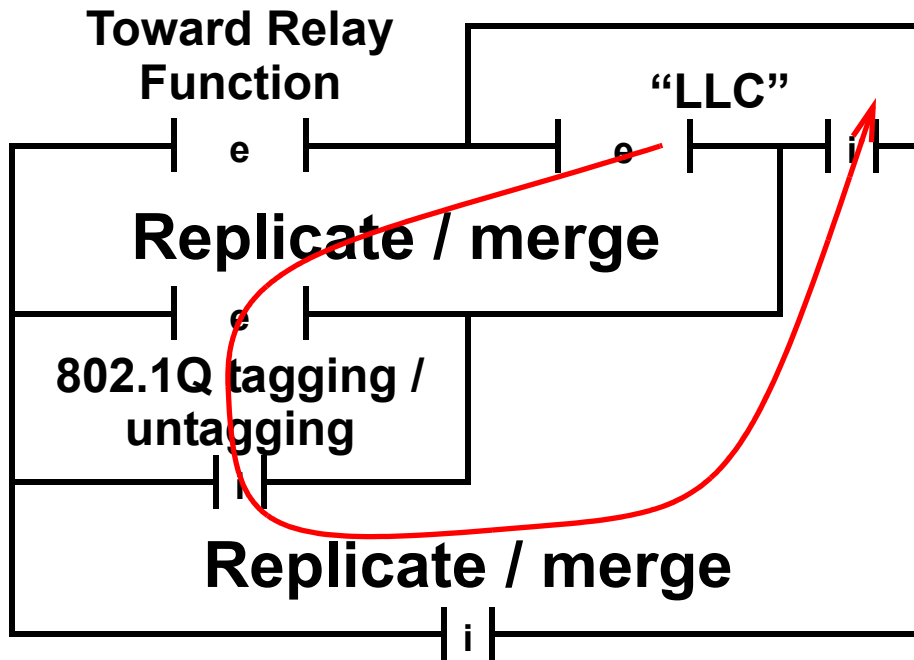
Now, we add the AIS CF. Horribly comples, but it seems to do the right thing. Can it be simpli-
fied?:

Toward Relay Function

"LLC"

e — e — i

Duplicate down / merge up

e — e

Replicate / merge

AIS CF message processing

e

802.1Q tagging / untagging

i

Duplicate up / merge down

i — i

AIS   **all other types**

AIS parse/multiplex

i