**12-22-2022**

* Added else condition in case of missing label for tier 1 router
* Removed do...while loop for getting tier address
* Removed all mentions of tierSpecial
* Removed checking if next option is present in -L loop as it longer loops
* Added else condition in case of missing -N value
* Removed checking for version in cmd\_file
* Commented part of code that checks for -N and -T again
* Added if statement to check if it’s a tier 3 router for converting IP address to network address

**01-12-2023**

* Removed variable in Line 2404 (numActiveEndIps) as it isn’t used.
* Removed while loop to get options from cmdfile.txt - Line 2416
* Line 2455. Removed TierAddrCount
* Added check for too many parameters
* Commented pinghello()
* Commented initA - Line 2439 and 2454 as it only had value 0.
* Removed 2nd argument of \_get\_MACTest() as it was not used/was constant.
* Control Payload contents are displayed
* Changed getCountOfTierAddr on Line 281 to value of already known count.

**02-09-2023**

* Changed if statements for checkMSGType to a switch case.
* Separated each MSGType to separate functions which are called individually, based on the switch case and passed the necessary parameters to it.

**16th Feb 2023**

* Changed function names to more meaningful ones.

**23rd Feb 2023**

* To handle the issue of STX and BEL issues we added a new function to filter these characters when printing to log.
* Changed statement for printing IP, subnet mask and interface as it previously printing NULL

**2nd Mar 2023**

* Added a timestamp for interface down in two locations(one for dead timer and another for interface status of current node).
* Added few lines to print message size, timestamp when a message is received(excluding hello, encapsulated IP, request IP and resolve IP messages)

**6th April 2023**

* Removed 3 functions - sendQuery(), addInterface(), interAS\_query() from interAS.h. They were not being called at all and were not responsible for any operations.
* Removed fwd\_IPaddr\_to\_T1(). While the function was called once in the code. It did not perform any operations needed for the functioning of the code.
* Removed REQUEST and RESPONSE from message type 3 as it was not being used. We have kept INTERAS\_IP of message 3 to handle IP packets received from other BR.
* Comments have been added to all functions and the code has been reorganized.

**13th May 2023**

This code has the convergence calculations. Abhay has tested it.

**15th June 2023**

This code was updated but is not working. this does not have the convergence calculations.

So, the 13th May code was the last working code. After that we were working on something related to message type 5. The issue with message type 5 was that although it doesn't cause any issues to the network functionality, a lot of duplicate messages were being sent.

Each of the nodes were sending messages on all of its interfaces. This was an unnecessary overhead, and we were trying to reduce it.

We managed to make some changes to the code and uploaded it in the drive, which is the 15th June code. This was just to keep a copy of the code safely. As we didn't finish implementing the logic for it, the code fails to work properly.

Abhay suggested that to continue using the **13th May** code, as the network functionality isn't affected in it.