**Front end (user)**

1. CHECK if DHCP is sending IP addresses accordingly

2. Check that all IP sent are redirected to Yambo without authentication.

3. Verify that the IPs within Yamboo access free content in the walled garden

4. Check that a voucher for 60 minutes, or 50 Mb, reach one of the 2 conditions to block

5. Check the remaining time and data of a 1$/50 Mb voucher after a session. 60 minutes minus X minutes and 50 Mb - x Mb.

6. Check idle time before entering the passive and sleep mode;

7. Check how long a given DHCP IP to a PC can be re-allocated to the same PC making that the PC don’t need to authenticate as the fact that he keeps the same IP address.

8. Services in the various cards:

* Duration of the card in minutes
* The data volume (adown nd up)
* Length of validity after first activation
* The price of the card

9. Test the service:

* Volume downloaded
* Volume uploaded
* Connection time

10. Test the Smartphone connections:

* How to access
* How to see the remaining minutes
* How to see its IP

11. Try to reuse an expired card

12. Try to access with an invalid number and false combination

13. See and catch those seeking to abuse the system.

14. See Volume Data used(Up,Down) in the graph where we plot the use of the service.

15. See the DATA volume / minute, but also the money ($) remaining.

16. See the connection speed (as in a GSM modem is giving)

17. Test Bonuses and special promotion :Normal time + Time Bonus

18. Remove the safety message which is before downloading the YAMBO

Access page

19. Measure the download time of a smartphone, and of a PC and a tablet and compare the user experience

**Back End**

20. View graphic and traffic shape for a Smart graphics and PC access

21. Test PRICING peak time / offpeak traffic scenario

22. List of simultaneous connections with IP and user accounts

23. IP Logged in accounts (Num GSM PIN) with respective hour of connections

24. Count money of all connected Accounts per day, month etc…

25. PIN sent by secured email or FTP Service

26. Test wrong code with less or more digit on account and PIN

27. How many times is allowed to introduce a false code / error( set a limit of attempts