



## INTERNAL MEMO

**REF:** PGL/ICT/2023/04/0001  
**TO:** CHAIRMAN  
**FROM:** ITP UNIT  
**THROUGH:** HEAD, ICT  
**DATE:** 15<sup>TH</sup> APRIL 2023  
**SUBJECT:** LMIS & NELEX GO LIVE REQUIREMENTS

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I am writing to request the following updates to the LMIS and NELEX applications before they go live:

1. **Web Application Firewall (WAF):** Our applications need to be protected against web-based attacks, such as cross-site scripting (XSS), SQL injection, and other common threats. Therefore, we need to install a WAF to monitor and filter incoming traffic to our applications. The individual WAF licences will cost using high platforms like Checkpoint or Darktrace will cost us about \$13,399 or \$17,256 respectively for cost-effectiveness I will recommend we make use of Cloudflare which also has a high reputation in cloud security and
2. **Increment of Bandwidth and Storage Space:** With the expected increase in traffic on our applications, we need more bandwidth to ensure that they can handle the load. We also need more storage space to accommodate our growing database.
3. **SSL Certificate:** Our applications need to have an SSL certificate to ensure that all communication between the server and the client is encrypted and secure. This will not only help protect our users' sensitive information but also improve our search engine ranking. Please install an SSL certificate on our server.
4. **Vulnerability and Penetration Test:** It is important to ensure that our applications are secure and protected against any potential attacks. Therefore, I request that a vulnerability and penetration test be conducted to identify any weaknesses in our system and provide recommendations for improvement.
5. **Search Engine Optimization:** We need to optimize the applications for search engines to improve their visibility and attract more traffic. Please add relevant keywords, meta descriptions, and other SEO elements to the applications.



6. **Compliance with Nigeria Data Policy:** As you are aware, the environment where the applications were previously hosted has changed due to NITDA directives, and we need to comply with the Nigeria Data Policy. Therefore, we need to ensure that the applications comply with the policy and relevant regulations, previously carried out on the AWS server.

Below is a breakdown of the cost for the listed items above

S/N	ITEM	QTY	PRICE	Total
1	SSL	2	\$799	\$1598
2	Hosting / Bandwidth Increment	1	<del>₦</del> 368,506.78	<del>₦</del> 368,506.78
3	Search Engine Optimisation	2	\$900	\$1800
4	Vulnerability and Assessment test	1	\$6090	\$6090
5	Extension of LMIS to yearly	1	<del>₦</del> 894,000.00	<del>₦</del> 894,000.00
6	WAF for LMIS/NELX		\$ 10,660.00	\$ 10,660.00

#### RECOMMENDATION

I strongly recommend we extend the hosting for the LMIS to a yearly plan in order to ensure we maintain a yearly cycle of the hosting services

Thank you for your attention to these requests. Please let me know if you have any questions or concerns.

Best regards

James Ilemona Atuluku

**Head, ITP Unit**