Preventative Maintenance (SERVER)

Job No:	10010002
System Description:	TUNNEL SCADA
Station Name:	Attap Valley / 192.169.45.1
Customer:	LTA
Project No:	1434

ATTENDED BY (WILLOWGLEN)	Phyo
WITNESSED BY (CUSTOMER)	Shwe Sin
START DATE/TIME	25/12/2025 04:00
COMPLETION DATE/TIME	29/12/2025 06:10

Remark

Test

Server Health Check

Check Instructions:

Check Server Front Panel LED Number 2, as shown below. Check LED 2 in solid green, which indicates the server is healthy.

No server health data available

Hard Drive Health Check

Check Hard Drive Health Status LED, LED in solid/blinking green, which indicates healthy.

No hard drive health data available

Disk Usage Check

Using Computer Management

- From Control Panel -> Administration Tools -> Computer Management.
- Click on the Storage -> Disk Management. Check the status for all the hard disks.
- Remove old Windows event logs to meet the target disk usage limit.

* Note: The HDSRS servers with SQL Server Database keep the historical data and daily/weekly/monthly backups. The disk space usage can be up to 90%, which is considered as normal.

No disk usage data available

Remark

No specific remarks for disk usage check.

CPU and RAM Usage Check

Using Task Manager, go to Performance Tab
- Right click on the task bar and select Task Manager.

No CPU and memory usage data available

Network Health Check

No network health data available

Willowlynx Process Status Check

Process Status

No Willowlynx Process Status data available

Willowlynx Network Status Check

No Willowlynx network status data available

Willowlynx RTU Status Check

No Willowlynx RTU status data available

Willowlynx Historical Trend Check

No Willowlynx historical trend data available

Willowlynx Historical Report Check

No Willowlynx historical report data available

Willowlynx Sump Pit CCTV Camera Check

No Willowlynx CCTV camera data available

Monthly Database Creation Check

Willowlynx's historical database uses monthly partitions. Confirm MSSQL has the next six months created.

No monthly database creation data available

Database Backup Check

Check D:\MSSQLSERVER-BACKUP\Monthly and ensure the database backups exist in this directory.

No database backup data available

SCADA & Historical Time Sync Check

Instructions:
Verify the SCADA server, historical server, and HMIs are time synchronised by running w32tm /query /status. The difference shall be within five minutes.

No time sync data available

Hotfixes / Service Packs

Review and apply the latest hotfixes or service packs on all applicable servers.

No hotfix data available

Auto failover of SCADA server

Auto failover of SCADA server testing procedures:
Note: Make sure both SCADA servers are online after completing the test.

No auto failover data available

ASA Firewall Maintenance

To check ASA firewall health and backup the running configuration:
1. Connect to the ASDM application from the SCADA server.
2. Access the ASA firewall CLI and input the commands below.

No ASA firewall data available

3. Check the firewall overview to ensure everything is running properly.
4. Backup the configuration to the D drive of SCADA SVR1.

Software Patch Summary

No software patch data available