

e. AV Fleet Manager

AV will be a driverless technology hence backend fleet operations and supervision will be essential to ensure service routes and time schedules of AV fleets are kept in order. Core tasks of an AV Fleet Manager includes supervising AV route planning and mobilisation and in the event of crisis or emergency will provide remote diagnosis of fleet issues ensuring reliability and passenger safety.

EMERGING JOB ROLES IN AUTONOMOUS VEHICLE

AV Fleet Manager

JOB DESCRIPTION

The AV Fleet Manager serves as backend infrastructure operator by supervising AV route planning and mobilisation. He/she plays a pivotal role as part of the backend control centre to diagnose potential fleet issues such as irregular AV behavior and on-site accidents.

KEY RESPONSIBILITIES

- Perform planning of service routes and time schedules for AV buses
- Plan for optimization of fleet mobilization of AV buses and P2P
- Perform remote operations and monitoring for both AV buses and P2P
- Identify potential fleet issues such as irregular AV behavior and on-site accidents through performing AV dashboard diagnostics

SKILLS AND REQUIREMENTS

- **Planning and route management** - Plan for service routes and time schedules for AV bus fleets, ensure optimisation of vehicle mobilisation for AV bus and P2P fleets
- **AV operations control management** – Supervise AV vehicle, equipment and relevant system operations and be prepared to remotely operate vehicles in the event of an incident or crisis
- **AV dashboard diagnostics** – Perform remote diagnostics/ troubleshooting and management of issues as part of the backend control centre through remote control of AV and dashboard interface
- **Network and Vehicular Communications for workplace traffic safety management** – Ensure that vehicular communication systems are operating optimally

The AV Fleet Manager serves as backend infrastructure operator by supervising AV route planning and time scheduling for AV buses. He/she also plans for the optimisation when mobilising AV buses and P2P fleets. He/she plays a pivotal role as part of the backend control centre to diagnose potential fleet issues such as irregular AV behavior and on-site accidents.

EXAMPLE OF HIRING COMPANIES

- SBS Transit
- Tong Tar Transport
- Premier Taxis
- Gojek

EDUCATION AND EXPERIENCE

- Minimum primary/ secondary/ "O" level in any field, undergone AV specific vocational training programmes
- Undergone Enhanced Vocational License Programme and obtained WSQ Certification in Bus operations
- Experience in ICE-based or EV-based vehicle operations and maintenance

Source(s): SSG Skills Framework, Company careers portals, KPMG Analysis

Figure 18: AV Fleet Manager Persona