

## **ASSUMPTIONS**

1. “All drivers must complete an initial 'Transport of VIPs' training module before they are permitted to drive PAT's vehicles.”

~ Therefore, we assumed that all instances of drivers must also be tied to at least one instance of Training. Hence the cardinality of 1 .. \* from DRIVER to TRAINING.

2. “PAT records the languages that a driver speaks – some drivers speak several languages”

~ Therefore, we assumed PAT will record all languages even if the language is not spoken by a driver.

3. A vehicle at the exact pick up date and pick up time can be booked by only once.

4. We store a catalogue of languages even if no drivers speaks the language (as with industrial standards).

For the below relationship, we assumed 0 .. many cardinality because there is a possibility that the entity may not have an instance yet or similar case:

1. We assumed that one Official can book zero or many trips due to the nature of not having any planned trip yet.

2. One vehicle may be new and unassigned to any trip yet.

3. One language may have not been used in any trip yet.

4. One language may not have been any driver's preferred language yet.

5. A driver may not have been assigned a trip yet.

6. A training may not have been in completed yet.