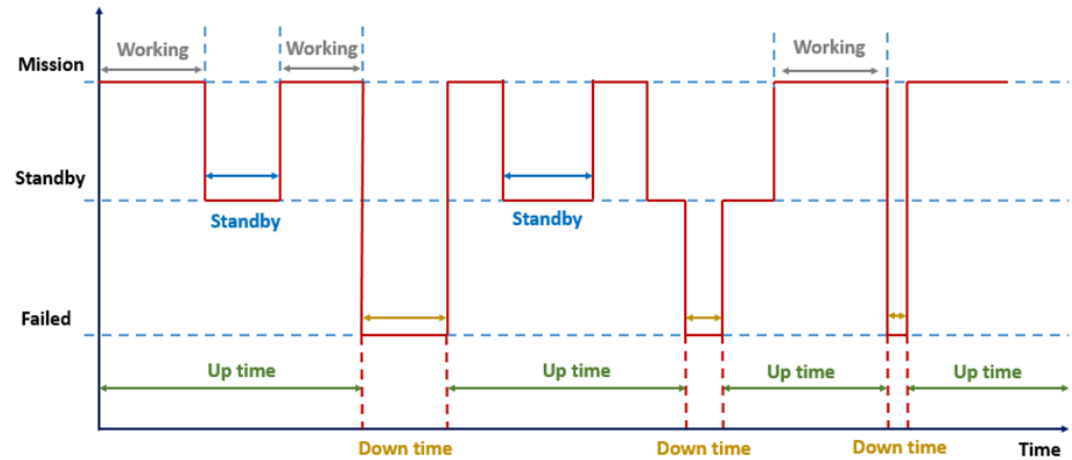


Generalised Fleet Maintenance Modelling



First Armoured Brigade in northern Chile



Typical life history diagram of a tank platform

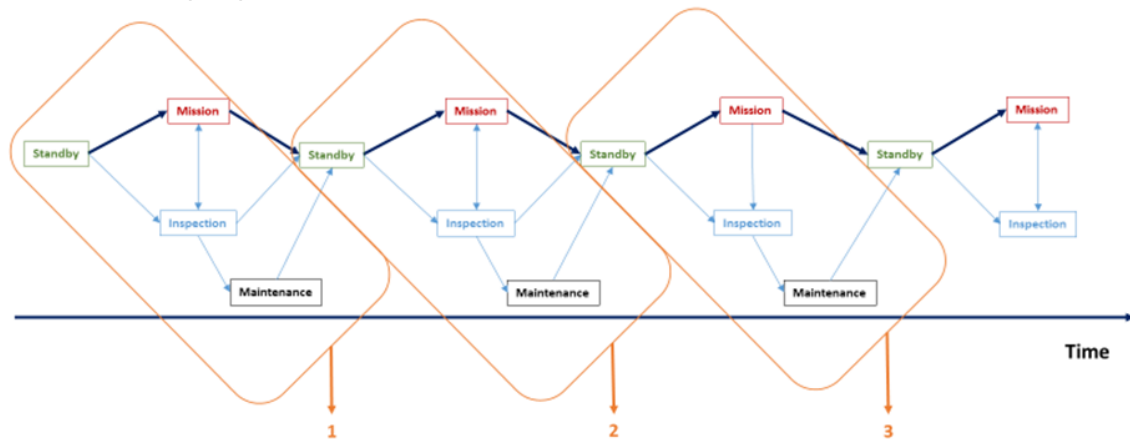
Background

Fleet maintenance management is an area of critical importance in defence. Knowledge about the real condition of fleets allow maintenance staff to manage a set of priorities and allocate resources for maintenance actions.

Objective

Develop an asset management model which will predict the operational capability of military vehicles fleets in order to maximise their availability and assist in making effective decisions about the maintenance process.

The methodology developed will predict the performance of a fleet over its lifecycle. The technical knowledge about the variables, size, events, and failure rate of a fleet will permit optimising the frequency of technical inspections needed per platform in a fleet.



Flowchart of land vehicles fleet activities