

Fleet procurement and allocation

Introduction

Purpose	The purpose of this policy is to clarify the rules around the purchasing and allocation of Type 1, 2, and 3 pumping appliances.
When to use	Fire and Emergency New Zealand personnel will follow the requirements of this national policy when: <ul style="list-style-type: none"> • purchasing new Type 1, 2, or 3 pumping appliances • allocating new or re-allocating used Type 1, 2, or 3 pumping appliances.

Key personnel and roles

The following responsibilities support this policy:

Role	Key responsibilities
Deputy Chief Executive Organisational Strategy and Capability Development	<ul style="list-style-type: none"> • approving the quantity and type of each appliance assigned to all stations, and the relief and training fleet.
National Manager Fleet	<ul style="list-style-type: none"> • procurement and allocation of appliances in accordance with this policy.
Data and Spatial Intelligence	<ul style="list-style-type: none"> • providing call numbers to assist in determining the Tier and appliance Types and numbers.

Policy

Operational appliances	All Fire and Emergency operational appliances/vehicles are part of the national fleet, operated under the authority of the DCE Organisational Strategy and Capability Development.
Numbers of appliances	<p>The designated quantity of each Type of appliance at every station is determined by the Service Delivery Leadership Team and approved by the DCE Organisational Strategy and Capability Development.</p> <p>The Type of appliance allocated to a position is determined after consideration of the:</p> <ul style="list-style-type: none"> • local risk profile • quantity and type of incidents attended • population • average time of nearest supporting appliances • station resources available.
Allocation details	Details of the current appliance allocation are in FL2-2 SCa Appliance allocations schedule.

Appliance life expectancy

The procurement programme for new appliances is based on the following life expectancies:

Appliance Type	Life expectancy
1 and 2	25 years
3	20 years

New appliances

The National Manager Fleet:

- procures new appliances by advance orders to ensure appliance numbers are maintained
- allocates new appliances to Tier 1 positions
- organises delivery of new appliances to their allocated Tier 1 position.

Appliance allocation

Appliance allocation and replacement is based on the following:

- Appliances that are new go to relatively busy stations, so that full benefit is made of the warranty period and maximum benefit can be obtained from modern operational and safety features.
- As appliances age they are progressively moved to less busy and demanding locations, with the aim of having a similar whole-of-life workload for appliances of the same Type.

Training and relief appliances

Training and relief appliances are:

- part of the fleet establishment
- Tier 2 or 3
- based at training centres for training appliances
- based at a station, or service provider's workshop for relief appliances.

Management of appliance maintenance

Appliance maintenance for all appliances, including operational, relief and training appliances, is managed by the National Fleet team via the Region Fleet Coordinators.

Moving appliances between stations and Regions

National fleet planning ensures that all Region fleets are of an equitable standard.

As the total number of Type 1, 2 and 3 appliances in the Fire and Emergency fleet and the quantity of each Type in each Tier is fixed, the introduction of new appliances to the fleet results in older appliances being retired, and a movement ("cascade") of appliances between positions in each Tier.

The National Manager Fleet determines the cascade schedule, and transfer appliances as required to achieve the allocation principles contained in this policy.

Update frequency

The National Manager Fleet updates the schedules to reassign appliance positions to Tiers, using the most recent call data, at least once every three years. The updated schedules are approved by the Service Delivery Leadership Team.

Definitions

Appliance age A new appliance's age starts from the day it's delivered to Fire and Emergency from the supplier.

Appliance type The Fire and Emergency appliance types are detailed in [FL2 GD Appliance types](#) guide.

Appliance position Every station has one or more appliance positions, e.g. a one pump station has one appliance position.

Each position has an assigned appliance Type, i.e. Type 1, 2, 3.

In most cases an appliance is based at a fire station. However, relief and training pumps may be based at other locations, such as training centres or service provider workshops.

Appliance Tier For the purposes of fleet allocation, positions are classified into "Tiers". Positions are allocated a Tier in descending order of busyness for each appliance Type, with the busiest appliances allocated to Tier 1, and less busy appliances in Tiers 2 and 3.

The target time (in years) for appliances in each Tier is:

Type	Tier			Total
	1	2	3	
1	7	8	10	25
2	7	8	10	25
3	3	7	10	20

The quantity of position in each Tier is determined for each Type by calculating the average number of new appliances that need to be produced each year and multiplying by the number of years in Tier 1.

For example, if there are 180 Type 3 positions, for a nominal average 20-year life a new appliance production of nine Type 3 appliances per year is required. Then there are 27 Type 3 appliances in Tier 1 (3 years in Tier 1 x 9 appliances/year).

The [FL2-2 SCa Appliance allocations](#) schedule details the number of appliances in each Tier for each Type of appliance.

Appliance busyness is based on the number of emergency responses by the appliance in that position averaged over three years.

Relief appliance A relief appliance is an appliance that is dedicated to temporarily replacing operational appliances so that the operational appliances may be serviced, repaired or temporarily assigned to other operational tasks as required.

The National Fleet team is responsible for managing relief appliances.

Related information

Guide

[FL2 GD Appliance types](#)

Reference

[FL2-2 SCa Appliance allocations schedule](#)

Document information

Owner	DCE Organisational Strategy and Capability Development
Last reviewed	14 July 2020
Review period	Two-yearly

Record of amendments

Date	Brief description of amendment
February 2011	Update of appliance allocation based on region submissions where there has been a change of business or status. Correction of mistakes from first publication. Removal of double-ups from first publication.
July 2011	Update of appliance allocation to the 5 Region model. Stations that had been allocated two Type 2s have now been allocated one Type 1 and one Type 2. Area and station listing added.
October 2014	Allocation updated with the changes approved by the Operational Leadership Team in July 2014. Reformatting to utilise current templates. Re-wording to simplify the description of how allocation works. Tier, Area and Station listings separated out from policy document into separate schedule document.
July 2020	Updated for Fire and Emergency, including changes to role names and ownership following Tranche 1 and 3 restructure.