

# Annex One: Check-list for Fire Plans made under the Forest and Rural Fires Regulations 2005

The new regulations require that Fire Plans contain four sections in the following order:

1. Reduction
2. Readiness
3. Response
4. Recovery

Under each section there are requirements in the regulations for the what the Fire Plan must contain. These are detailed below:

## **REDUCTION**

Regulation 41 deals with the matters of Reduction. Under the heading of “Reduction” the Fire Plan must contain the following:

Check	Regulation	What the Fire Plan must contain
	41 (1)	The policies and procedures that the Fire Authority has to reduce the likelihood and consequences of fires in its district.
	41 (2)	The policies and procedures must include:—
	41 (2) (a)	The Fire Authority's fire hazard and fire risk management strategies.
	41 (2) (b)	The fire prevention planning carried out in the Fire Authority's district.
	41 (2) (c)	The public education activities carried out in the Fire Authority's district.
	41 (2) (d)	The Fire Authority's directions to people on the use of fire as a land management tool.
	41 (2) (e)	Details of the following:
	41 (2) (e) (i)	Any area in the Fire Authority's district that has been declared a forest area under section 17 of the Forest & Rural Fires Act.
	41 (2) (e) (ii)	Any fire safety margin attached to a forest area described in 41 (2) (e) (i).
	41 (2) (e) (iii)	All by-laws relating to fire control measures in the Fire Authority's district.
	41 (2) (e) (iv)	Where, and to what extent, in formulating fire control measures, the Fire Authority has had regard to any national or regional policy statement, regional or district plan, or regulations made under the Resource Management Act 1991.
	41 (2) (f)	Any other relevant matters.

## READINESS

Regulation 42 deals with the matters of Readiness. Under the heading of “Readiness” the Fire Plan must contain the following:

Check	Regulation	What the Fire Plan must contain
	42 (1)	The policies and procedures that the Fire Authority has in relation to readiness for a fire-fighting event in its district.
	42 (2)	The policies and procedures must include:—
	42 (2) (a)	A map showing--- (i) The Fire Authority's district; and (ii) Any other area for which the Fire Authority is responsible; and (iii) The geographic boundaries of adjacent fire districts; and (iv) The principal roads in the areas described in subparagraph's (i) to (iii).
	42 (2) (b)	Details of the Fire Authority's responsibilities and chain of command.
	42 (2) (c)	The name of the Principal Rural Fire Officer and the name or names of the Rural Fire Officers of the Fire Authority.
	42 (2) (d)	In the case of a committee, the membership of the committee and a copy of its rules.
	42 (2) (e)	Details of the training arrangements for the Fire Authority's managers and officers, including an outline of the way in which the Principal Rural Fire Officer and the Rural Fire Officers are educated on their legislative functions, powers, and duties under the Forest and Rural Fires Act.
	42 (2) (f)	A list of the agencies available to the Fire Authority for assistance with fire-fighting or related activities, including the contact details of each agency.
	42 (2) (g)	Details of all equipment and personnel listed as available to attend a fire call-out in the Fire Authority's district.  <i>Note:</i> Regulation 42(3) states that the information relating to personnel is not required to be included in the copy of the Fire Plan that is made available for public inspection in accordance with section 12(4B) of the Act.
	42 (2) (h)	A record of any arrangements or agreements made under section 14, 15, or 16 of the Act.
	42 (2) (i)	A record of any agreements between the Fire Authority and voluntary or other fire forces or persons for the delivery of fire services.
	42 (2) (j)	A list of all specially protected areas in the Fire Authority's district.
	42 (2) (k)	Details of the fire season status trigger points for the district.
	42 (2) (l)	Details of the trigger points for imposing restricted access or for closing access into any exotic forest in the Fire Authority's district.  <i>Note:</i> Regulation 42(4) states that before setting any trigger points, a Fire Authority must consult with the eligible landholders of the forest.
	42 (2) (m)	Any other relevant matters.

Regulation 43 deals with other matters which **may** be included in the Readiness section. This information is not required but may be useful.

**Additional information relating to readiness that may be included in the Fire Plan.**

Check	Regulation	What the Fire Plan must contain
	43 (a)	Details of the fire protection works in the Fire Authority's district (for example, the location of fire breaks).
	43 (b)	The way in which the Fire Authority implements the New Zealand Fire Danger Rating System.
	43 (c)	The fire danger indicator signs used by the Fire Authority.
	43 (d)	The Fire Authority's awareness and resource response in relation to each level of fire danger.

**RESPONSE**

Regulation 44 deals with the matters of Response. Under the heading of "Response" the Fire Plan must contain the following:

Check	Regulation	What the Fire Plan must contain
	44 (1)	The policies and procedures that the Fire Authority has for responding to a fire in its district.
	44 (2)	The policies and procedures must include details of the following matters:
	44 (2) (a)	How the Fire Authority receives and deals with calls for assistance at a fire;
	44 (2) (b)	How the Fire Authority initially responds to a fire that it has received notice of;
	44 (2) (c)	How additional fire-fighting resources are deployed if extended action is required at a fire, including identification of the limits of local capacity;
	44 (2) (d)	The chain of command and control at a fire;
	44 (2) (e)	How all parties involved in the response to a fire establish effective communications with each other; and
	44 (2) (f)	Any other relevant matters.
	45 (1)	A description of the systems that the Fire Authority uses for responding to a fire in its district.
	45 (2)	The description of the systems must include how the Fire Authority:
	45 (2) (a)	Records fire incidents attended by fire-fighting units in the Fire Authority's district;
	45 (2) (b)	Notifies other Fire Authorities, owners of forests, or other interested parties in the vicinity of a fire, of a fire;
	45 (2) (c)	Records incoming and outgoing personnel and equipment;
	45 (2) (d)	Monitors fire behaviour; and
	45 (2) (e)	Provides or organises logistical support (for example, catering, relief personnel, and first aid).

## RECOVERY

Regulation 46 deals with the matters of Recovery. Under the heading of "Recovery" the Fire Plan must contain the following:

Check	Regulation	What the Fire Plan must contain
	46 (1)	The policies and procedures that the Fire Authority has for activities it undertakes following a fire event in its district.
	46 (2)	The policies and procedures must include details in relation to the following matters: (a) the health and safety of personnel; and (b) fire operational reviews; and (c) operational debriefs; and (d) post-fire investigations; and (e) any other recovery activities that occur after a fire has been contained.

### Definition of Terms

In regulation 46 the meaning of terms specified in sections 46 (2) (b-d) are defined as:

*Fire Operational Review* means an independent assessment of a significant fire in a Fire Authority's district carried out under the procedure developed by the NRFA under section 14A of the Fire Service Act 1975.

*Operational debrief* means the internal assessment by a Fire Authority of a fire in its district carried out under the procedure developed by the NRFA under section 14A of the Fire Service Act 1975.

*Post-fire investigation* means an investigation by a Fire Authority to determine the point of origin and cause of a fire.

# **Annex 2 Fire Permit and Checklist**



**Wairoa District Council  
Rural Fire Authority**

# FIRE PERMIT

M \_\_\_\_\_ of \_\_\_\_\_  
(Name to whom permit is issued) (Postal Address)

\_\_\_\_\_ Telephone \_\_\_\_\_ Fax \_\_\_\_\_

Pursuant to Section 23 (Permits required to light fires in open air) of the Forest and Fires Act 1977, and all other relevant enactments, and subject to compliance with conditions here set out, you are hereby authorised to light a fire in the open air in accordance with the particulars in this Permit.

**LOCATION:** \_\_\_\_\_  
(EG Rapid No, road, grid ref Etc)

**PROPERTY:** \_\_\_\_\_  
(Fire Authority Area)

**MATERIAL:** \_\_\_\_\_  
(eg scrub, with location on property and size area to be burned)

**DATE(S) AND TIME OF DAY:** \_\_\_\_\_

**GENERAL:** \_\_\_\_\_

**PERMIT CONDITIONS: Delete not applicable (also see regulations over the page)**

- ✓ Do not light fires in windy conditions. Obtain a current weather forecast and check conditions before lighting.
- ✓ Fires in open air must be five metres from buildings, boundary fences, vegetation or any combustible material.
- ✓ Incinerator fires must be three metres from buildings, boundary fence, vegetation or any combustible material.
- ✓ Have a suitable means to extinguish fire should it get out of control (ie water hose, dirt, sprayer, digger etc)
- ✓ Ensure adequate containment of the fire and safeguard against the risk of fire spread.
- ✓ Maintain adequate supervision of the fire at all times.
- ✓ Ensure the fire is completely extinguished and carry out a thorough inspection of the area before leaving.
- ✓ Do not create a smoke nuisance, or a visibility hazard if close to roads.
- ✓ Burn between sunrise and sunset.
- ✓ Notify agencies responsible for gas reticulation, or fuel storage facilities, if the fire is close to these hazards.
- ✓ Notify the Hawke's Bay Regional Council if the fire is near river stopbanks or waterway protection systems.
- ✓ Notify the appropriate Telephone Agency if the fire is close to a telecommunication line.
- ✓ Notify the Electricity Supply Authority if the fire is close to power transmission lines.

**OTHER SPECIAL CONDITIONS:** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Fire Officer

\_\_\_\_\_  
Permit holder

\_\_\_\_\_  
Date

## **Notes for Information of the Permit Holder**

### **Definitions**

Under the Forest and Rural Fires Act 1977, the Forest and Rural Fires Regulations 1979, and Wairoa District Council Bylaws, there are compulsory conditions to the undermentioned effect. For their full legal form, please refer to the interpretations contained within the appropriate legislation.

“Open Air”	“Open Air” means not in a fire place, incinerator, barbecue, or other placed, duly approved in each case.
Camping etc	If camping or cooking, or needing comfort or warmth, keep the fire at least 3m clear of any tree, log, stump, or dry vegetation. Remove all combustible materials within 3m of the fire site.
Burn Plan	Large fires may require a written plan detailing topography, hazard contingencies, fire breaks, safety equipment ignition points, escape routes and operational procedures, etc.
Notice	See that (except in extreme urgency) at least one day’s notice has been given where necessary to – <ul style="list-style-type: none"><li>• Immediate neighbours;</li><li>• neighbouring statutory fire authorities (eg Department of Conservation, Bay Forests Rural Fire District, Territorial Authorities, New Zealand Fire Service Communications Centre, etc),</li><li>• MAF Policy, Health or other authority concerned if diseased stock or vegetation;</li></ul>
Extreme Hazards	PERMITS ARE SUSPENDED by fire hazard emergency warnings or orders prohibiting all open air fires. Check the media, or phone the Fire Authority. If fire is essential for emergency purposes (eg diseased or dead stock) seek a “special fire permit” from the Fire Authority.
Showing Permit	This written permit must be produced on demand to a member of NZ Police, NZ Fire Service or Fire Authority.
Insurance	A permit is not legal defence against claims for damage caused by the fire. Permit holders are advised to have adequate fire insurance to cover any misadventures.
Agents	Delegation to another person to act on behalf of the permit holder at a fire does not absolve any legal liability should any damage occur during the period of their absence.
Reserves	Except where officially signposted otherwise, permits are needed at all times for open air fires near specially protected sites, including reserves and some forest areas, and their fire safety buffer zone (usually 1.0 kilometre).
Escape	If the fire gets out of hand, try to extinguish it. <b>Telephone 111 urgently.</b>
Offences	It is an offence to light an open air fire without the appropriate permit, or to break permit conditions, or to let a fire spread to and damage a forest area, or specifically protected reserve area, or to leave the fire unprotected against such spread.
Joint Permits	Further fire permits may be required from the Department of Conservation, Bay Forests Rural Fire District, or neighbouring Territorial Authorities if the fire is close to territory under their jurisdiction.
Landholder	Separate consent by the landholder may be needed.
Clean Air	This Permit does not constitute a resource consent to discharge smoke into the atmosphere or absolve any further obligations under Section 15 of the Resource Management Act 1991, as may be required by the Hawke’s Bay Regional Council.

**THIS PERMIT IS REVOCABLE UPON NOTICE AT ANY TIME  
WITHOUT PRIOR WARNING**

**EXTREME FIRE HAZARD NOTICES SUSPEND THIS PERMIT**

## FIRE PERMIT CHECKLIST

### A. PRIOR TO INSPECTION

- Collect appropriate maps as deemed necessary. NZMS - Topographic and/or Cadastral.
- Check location of nearest Conservation Area on map.
- Review Section 23 of Forest and Rural Fires Act 1977, and Sections 25 and 26 of Forest and Rural Fire Regulations 1979, relating to issue of fire permits.
- Observe local climatic, fuel type and demographic conditions within the burn area before granting a fire permit.

### B. INSPECTION - FACTORS THAT MUST BE CONSIDERED

- Identify the boundaries of the proposed burn area.
- Are there effective firebreaks around the area.  Yes  No
- Identify the danger area outside the burn area.  Yes  No
- Consider the topography and its effect on the fire. Check that burning material will not roll and that embers will not carry in the wind.  Yes  No
- Establish location of nearest water supply for fire pumps, or helicopters. Ensure that there is an adequate supply of water readily available during the burn.  Yes  No
- Check that there are no power lines in the area which could be affected by smoke and that the insulation on telephone/lines will not melt, or carbon from the fire will not cause electricity to arc near insulators or wires.  Yes  No
- Establish if there are power lines or other hazards which should be made known to helicopter pilots.  Yes  No
- Is the fire intended to be lit from a helicopter or by hand burner.  Air  Grd
- Considered local climatic effects of wind, topography and inversion layers especially, close to urban areas.
- Check that adjoining owners with livestock; DOC area; NZVFS, VRFF's and neighbours have been considered and/or notified prior to the burn (if not consider stipulating this as one of the conditions for the issue of the permit).

### C. THE PLAN

Ensure a plan is formulated for the ignition and control of the fire in conjunction with the landowner.

Experienced farmers should already know about fire lighting and fire behaviour on their property. This does not negate the need to check the validity of their burn plan, safety factors, and intended reactions should anything go wrong.

### D. WRITING THE PERMIT

- **Locality**

**I** Identify the area to be burnt, and if appropriate, the grid reference, and map series or legal description of the land., ie: NZMS 260 V21 299 697.

**II** If applicable state the distance, in kilometres, from a named Conservation area.

- **Property:** State the name of the property if appropriate.
- **Material:** Describe the material to be burnt, and for land clearing operations, state area of proposed burn in hectares.
- **Date:** Stipulate date on which the fire is to be lit, or dates between which it is to be lit, and the time of day before which is it **not** to be lit.
- **General:** Indicate the purpose of burn and describe any existing firebreaks. Stipulate if firebreaks are required to be formed, and or specify the width of firebreaks to be formed prior to permit issue.

• **Statutory Conditions:**

Request the applicant to indicate the area to be burnt on the map and discuss weather conditions (especially wind, patrol, fire break width, escape and financial liability). Summarise discussions on the reverse side of the permit form.

• **Special Conditions:**

Do not hesitate to write as many special conditions as are necessary to ensure a safe burn. Refer by separate letter from the permit if necessary. The applicant can be required to notify local landowners and the Fire Services the day/date of the proposed burn, and the time of ignition.

• **Ignition:**

**I** Check wind direction and wind speed.

**II** Ensure that the applicant lights the fire in sensible wind conditions.

• **Fire Breaks:**

**I** Ensure the applicant has adequate equipment on hand to form a fire break if needed.

**II** Include standby arrangements for helicopters and monsoon buckets if appropriate.

• **Stipulations:**

State if the applicant is responsible to notify the Power Authority, Electrical Corporation and/or Telecom, if power or telephone lines are present.

Where a permit is issued for a period of time the applicant may be required to have the permit confirmed on the day of the burn. If this is the case the issuing officer should give a contact name and phone number.

**E. ON COMPLETION OF PERMIT**

**I** Attach a copy of any additional notes for information of applicant, if required.

**II** Ensure the applicant fully understands their responsibilities.

**F. FOLLOW UP ACTION**

- Fire Permit Conditions Issued.
- Inform neighbouring authorities of burn, by phone or fax.
- Inform neighbouring Forest/Fire Districts if required.

**CHECK LOCAL FIRE WEATHER CONDITIONS AND APPLICANTS SKILL BASE**

# **Annex 3 Burn Plan**

WAIROA DISTRICT COUNCIL RURAL FIRE AUTHORITY PRESCRIBED BURNING PLAN FORM				
Date/s of Burning	Permit No.	Area in hectares	Forest 3or 7	Farm 3or 7
Land Owner		Contact Details:	Phone:	Mobile:
Person responsible for burn		Contact Details:	Phone:	Mobile:
Property Name:		NZMS Z60 - Map #	Grid Ref:	
Physical Address: (Include RAPID No.)				
Neighbour 1		Contact Details:	Phone:	Notified 3or 7
Neighbour 2		Contact Details:	Phone:	Notified 3or 7
Neighbour 3		Contact Details:	Phone:	Notified 3or 7
Neighbour 4		Contact Details:	Phone:	Notified 3or 7d
Type of fuel to be burnt: (gorse/blackberries etc)	Type of ignition: (ground/air or combination)			
Fuel on areas surrounding the burn:	North:	South:		
	East:	West:		
Topography of the area to be burnt:				
Width & state of firebreaks surrounding the burn	North:	South:		
	East:	West:		
Total number of personnel attending burn:		Own Staff	Contractors	
<b>Detail fire fighting and associated equipment present:</b>				
Include such things as:- Burners, Monsoon buckets, Pumps, Helicopters, tankers, Bulldozers, communications etc :				
Water point localities & capacities:				
Personnel / equipment in reserve at:				
<b>Communications</b>				
Position		Position		Position
Call sign		Call sign		Call sign
<b>Weather forecast Arrangements:</b> Describe what info and when				
Nearest NRFA weather station/s:				
Previous 24 hr FWI:	Wind Speed		Temperature	
	Direction		Humidity	

<b>Description of Burning pattern:</b>  (use numbers and show on map, e.g. 1-2, 2-3)	
<b>Special arrangements to cover areas of high risk:</b>	
<b>Weather conditions that will preclude burning:</b>	
<b>Other comments:</b>	
<b>W.D.C. Actions</b>	
<b>RFO Inspection</b>	<b>Comments</b>
<b>Neighbouring RFD notified</b>	<i>DoC      Eastland      Bay Forests      Wairoa Fire      Nuhaka Fire      Fire Com</i>
<b>Special conditions</b>	

## Annex 4 Minimum Standard of Cover Rating

The following data has been prepared to assist the Principal Rural Fire Officer and Duty Rural Fire Officer in identifying the most appropriate resources to respond to an incident within each of Councils six Polygons. However, at all times the nearest/quickest fire suppression resource must be identified, alerted and sent to any fire i.e. Rural Fire Force, NZ Fire Service, DoC and Forest Crews.

### Polygon 1 – Mangataniwha

<b>Description</b>	Native bush, no practical vehicle access, no people, difficult to suppress, land locked, no internal sources of ignition.				
<b>Land Use / Activity</b>	Wilderness area				
<b>Suppression Ability</b>	Difficult in the extreme due to terrain, fuel types, access and water				
<b>Neighbour</b>	Dept Conservation & Bay Forests Rural Fire District				
<b>Effects &amp; Desires</b>	Advise of fire and monitor				
<b>Initial Response</b>	① Aerial/Monitor - ② Assistance from DOC - ③ Assistance from Bay Forests				
<b>Probability of Fire</b>	Low	<b>Effect</b>	Minimal	<b>Risk</b>	Low

### Polygon 2 - Waiau/Patanamu

<b>Description</b>	Open well developed pasture, low population isolated farmhouses. Farming area with some small areas of young plantations (less than 10%).				
<b>Land Use / Activity</b>	Increasing forestry land use				
<b>Suppression Ability</b>	Moderate to Difficult (terrain/access)				
<b>Neighbour</b>	Dept Conservation & Bay Forests Rural Fire District - Significant risk area in all cases				
<b>Effects &amp; Desires</b>	DoC - Protect DoC area, advise and respond Bay Forests- In their area – put it out. If a threat to their area, respond and advise Eastland In their area – put it out. If a threat to their area, respond and advise				
<b>Response</b>	① NZFS Wairoa - ② Raupunga VRFF - ③ Tuai VRFF – Backup				
<b>Probability of Fire</b>	Low	<b>Effect</b>	Moderate	<b>Risk</b>	Low – Moderate

### Polygon 3 - Mohaka South

<b>Description</b>	Open well developed pasture, low population isolated farmhouses, some small rural villages, intersected by SH 2, PN-Gisborne railway, some areas of undeveloped				
<b>Land Use / Activity</b>	Farming area with some small areas undeveloped scrub (less than 10%).				
<b>Suppression Ability</b>	Low to Moderate (terrain/access)				
<b>Neighbour</b>	Dept Conservation & Bay Forests Rural Fire District - Significant risk area in all cases				
<b>Effects &amp; Desires</b>	DoC - Protect DoC area, advise and respond Bay Forests- In their area – put it out. If a threat to their area, respond and advise				
<b>Initial Response</b>	①NZFS Wairoa - ②Raupunga VRFF				
<b>Probability of Fire</b>	Medium	<b>Effect</b>	Minimal	<b>Risk</b>	Low - Moderate

#### Polygon 4 - Cricklewood South

<b>Description</b>	Broken hilly farming country with areas of scrub and reverting scrub, steeper and areas of young plantation (<5%). Low population. SH 2 and rail intersect.				
<b>Land Use / Activity</b>	Farming area with some areas undeveloped scrub (less than 25%).				
<b>Suppression Ability</b>	Moderate to Difficult (terrain/access)				
<b>Neighbour</b>	Dept Conservation, Bay Forests & Eastland - Significant risk area in all cases				
<b>Effects &amp; Desires</b>	DoC - Protect DoC area, advise and respond Bay Forests - In their area – put it out. If a threat to their area, respond and advise Eastland - In their area – put it out. If a threat to their area, respond and advise				
<b>Initial Response</b>	① NZFS Wairoa - ② Raupunga VRFF -				
<b>Probability of Fire</b>	Medium	<b>Effect</b>	Minimal	<b>Risk</b>	Low - Moderate

#### Polygon 5 - Ruakituri/Marumaru

<b>Description</b>	Broken hilly farming country with areas of scrub and reverting scrub, steeper and areas of young plantation (<5%). Low population. SH 2 and rail intersect.				
<b>Land Use / Activity</b>	Farming area with some areas undeveloped scrub.				
<b>Suppression Ability</b>	Moderate to Difficult (terrain/access)				
<b>Neighbour</b>	Dept Conservation & Eastland – Significant risk area in all cases				
<b>Effects &amp; Desires</b>	DoC - Protect DoC area Advise and respond Eastland - In their area – put it out. If a threat to their area, respond and advise				
<b>Initial Response</b>	① NZFS Wairoa - ② Ruakituri VRFF (North) - ③ Tuai VRFF (South)				
<b>Probability of Fire</b>	Medium	<b>Effect</b>	Medium	<b>Risk</b>	Moderate

#### Polygon 6 - Coastal Mahia

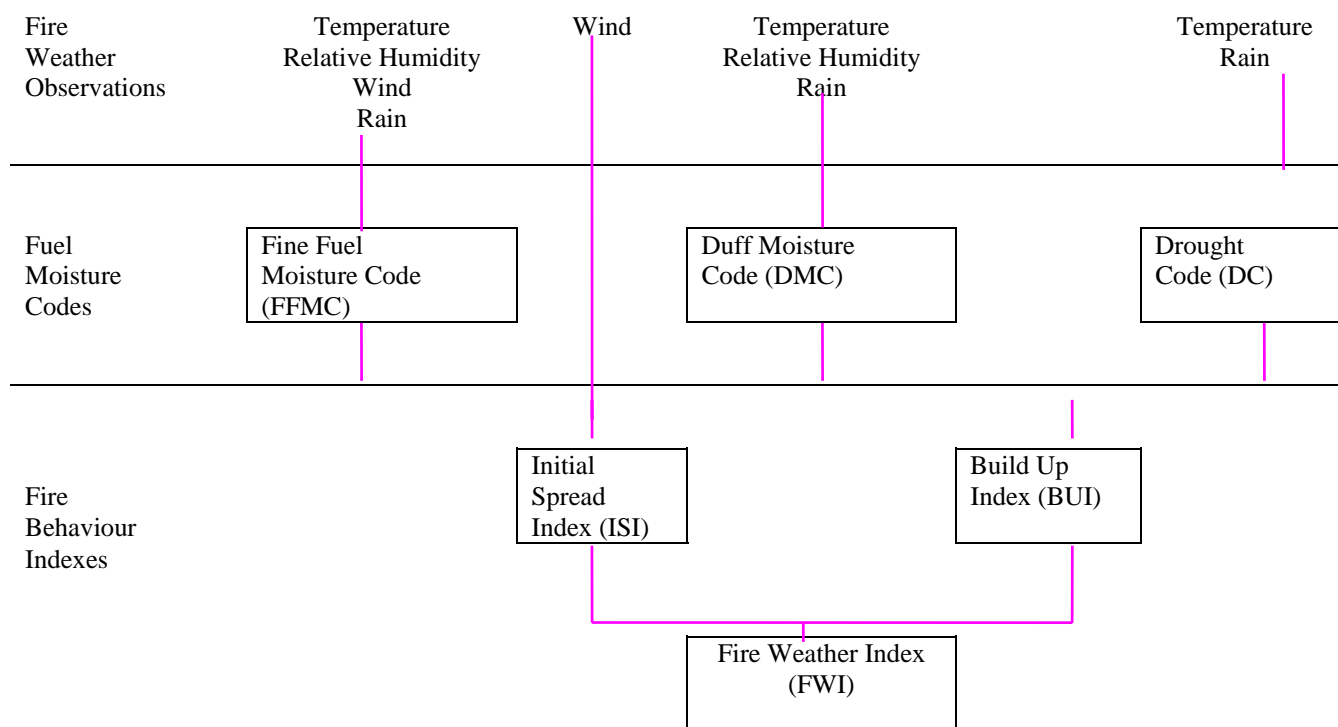
<b>Description</b>	Broken hilly farming country with areas of scrub and reverting scrub, steeper and areas of young plantation (<5%). Low population. SH 2 and rail intersect.				
<b>Description</b>	Coastal area predominately farming, significant population areas, some scrub and young plantations (<10%)				
<b>Land Use / Activity</b>	Rail, road, (increasing) recreation area,				
<b>Suppression Ability</b>	Easy to Moderate (terrain/access)				
<b>Neighbour</b>	Dept Conservation & Eastland – Significant risk area in all cases				
<b>Effects &amp; Desires</b>	DoC - Protect DoC area, advise and respond Eastland - In their area – put it out. If a threat to their area, respond and advise				
<b>Initial Response</b>	① NZFS Nuhaka - ② Mahia VRFF				
<b>Probability of Fire</b>	Medium - High	<b>Effect</b>	Medium	<b>Risk</b>	Moderate - High

**MINIMUM STANDARD OF COVER FOR WAIROA DISTRICT COUNCIL RURAL FIRE AUTHORITY**

	Polygon 1	Polygon 2	Polygon 3	Polygon 4	Polygon 5	Polygon 6
	Maung	Wai/Patanamu	Mohaka	Cricklewood	Ruakituri	Coast Mahia
Topography	1	1	1	1	1	1
Climate	4	8	8	8	8	8
Extra factor	2	0	1	0	1	3
<b>Danger Rtg.</b>	<b>7</b>	<b>9</b>	<b>10</b>	<b>9</b>	<b>10</b>	<b>12</b>
Veget Value	3	2	2	2	2	2
Life & Bldg	1	1	1	1	3	1
Extra Vals	2	2	2	2	2	2
<b>Value Ratg.</b>	<b>6</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>7</b>	<b>5</b>
<b>Cover Index</b>	<b>6</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>8</b>	<b>8</b>
<i>Alphabetical Standard D</i>	7.2		43			

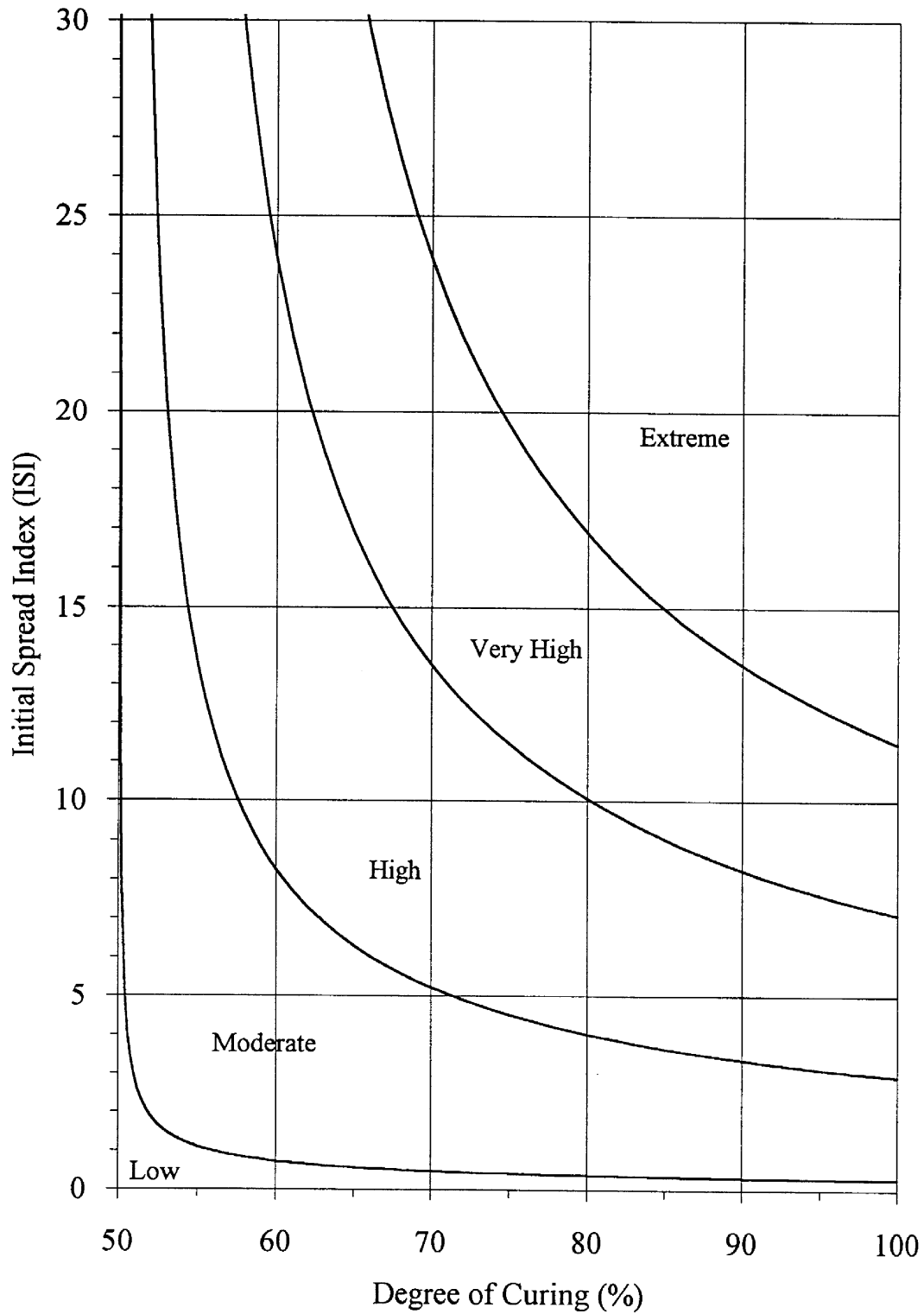
## Annex 5 NZFDR System & Fire Weather Indices

### Structure of the Fire Weather Index System

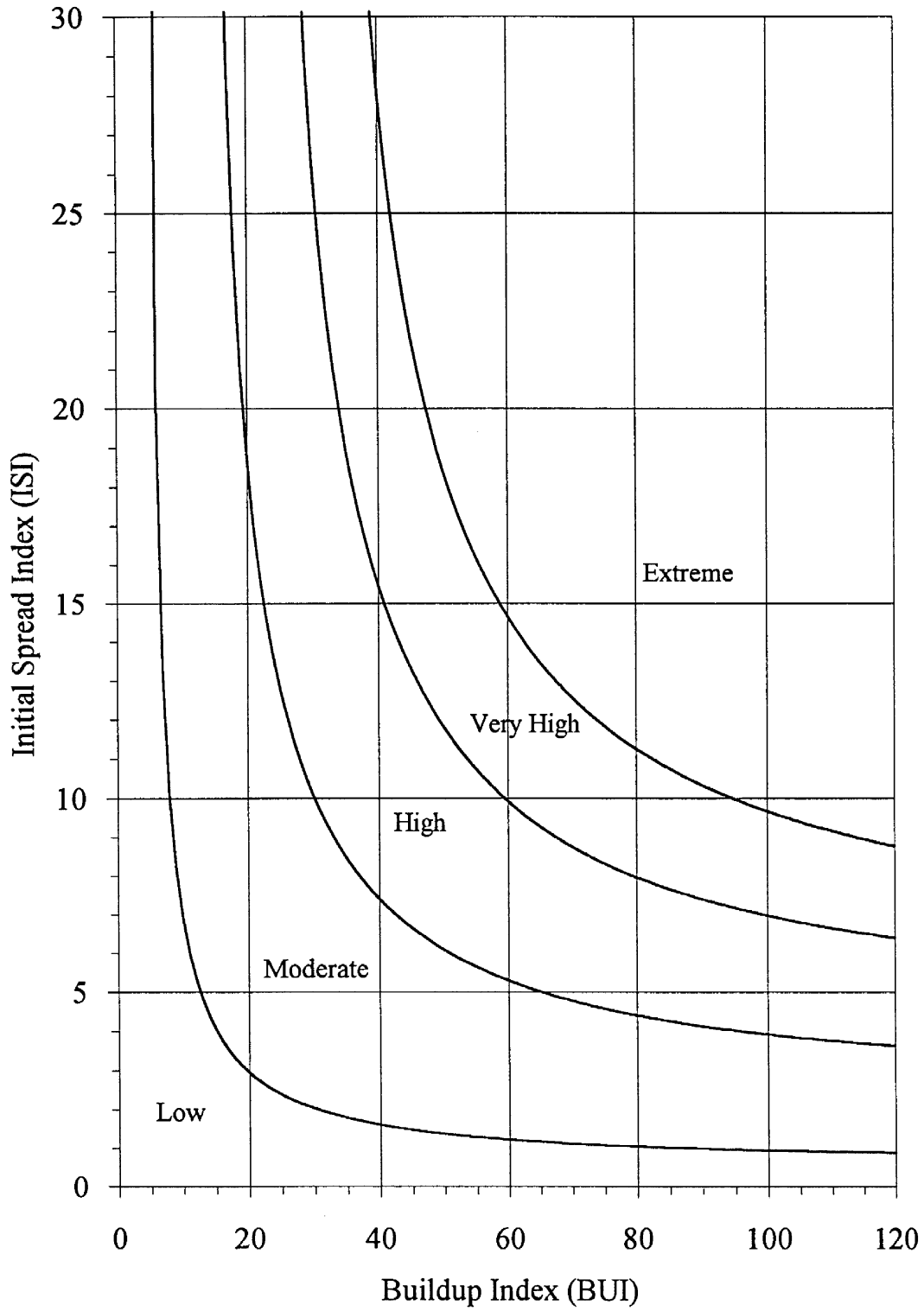


- FFMC** A numerical rating of the moisture content of litter and other cured fine fuels. This code is an indicator of the relative ease of ignition and flammability of fine fuel.
- DMC** A numerical rating of the average moisture content of loosely compacted organic layers of moderate depth. This code gives an indication of fuel consumption in moderate duff layers and medium size wood material.
- DC** A numerical rating of the average moisture content of deep, compact, organic layers. This code is a useful indicator of seasonal drought effects on forest fuels and amount of smouldering in deep duff layers and large logs.
- ISI** A numerical rating of the expected rate of fire spread. It combines the effects of wind and FFMC on rate of spread without the influence of variable quantities of fuel.
- BUI** A numerical rating of the amount of fuel available for combustion that combines DMC and DC.
- FWI** A numerical rating of fire intensity that combines ISI and BUI. It is suitable as a general index of fire danger.

### Grassland Fire Danger Class Graph



### Forest Fire Danger Class Graph



The Wairoa Rural Fire Authority has no set trigger point for the imposing of Restricted or Prohibited fire seasons.

As a guideline for considering Restricted or Prohibited fire seasons, the following table is utilised. Where the district average of weather stations, located at Cricklewood, Mangapoike, and Mahia, return Drought Code (DC) Build Up Index (BUI) and Initial Spread Index (ISI) figures at the top end of HIGH a 'Restricted Fire Season' will be considered. A restricted fire season will be imposed where (DC) and (BUI) figures are equal to the top end bracket of VERY HIGH. Where (DC) and (BUI) figures are exceeded in EXTREME a 'Prohibited Fire Season' will be imposed.

	<b>FFMC</b>	<b>DMC</b>	<b>DC</b>	<b>ISI</b>	<b>BUI</b>	<b>FWI</b>
	<b>Ignition Potential</b>	<b>Mop Up Difficulty</b>		<b>Rate of Spread</b>	<b>Fuel Available</b>	<b>Fire Intensity</b>
<b>Low</b>	0 – 74	0 - 20	0 - 100	0 - 4	0 - 15	0 – 3
<b>Moderate</b>	75 – 84	21 - 30	101 - 175	5 - 8	16 - 30	4 – 13
<b>High</b>	85 – 87	31 - 40	176 - 250	9 - 12	31 - 45	14 – 23
<b>Very High</b>	88 – 91	41 - 45	251 - 350	13 - 15	46 - 59	24 – 29
<b>Extreme</b>	92 – 101	46 +	351+	16+	60+	30+

## Annex 6 List of Appointed Rural Fire Officers

The following persons have been appointed as **Rural Fire Officers**, pursuant to Section 13 of the Forest and Rural Fires Act 1977.

Listed below are the names and twenty-four hour contact details for the Duty Rural Fire Officer, Principal Rural Fire Officer, Rural Fire Officers and Fire Service personnel that are immediately available to the Wairoa District Council Rural Fire Authority for fire fighting and related activities.

<b>WDC RFA – Rural Fire Officers</b>	<b>Name</b>	<b>Contact Details</b>
Wairoa District Council	All Officers of the Council can be contacted using this number	Ph: 06-838 7309 (24 hrs) Fax: 06-838 8874
Duty Rural Fire Officer	24 hours	Pager: 026 268 8931 (24 hrs)
Principal Rural Fire Officer	Te Arohanui Cook	Ph Pvt: 06 863 1142 (0272727690)
Deputy Principal Rural Fire Officer	Kevin Duley	Ph Pvt: 06 838 7938 (0272727693)
Rural Fire Officer	Peter Freeman	Ph Pvt: 06 837 5552
Rural Fire Officer	Don Scott (PRFO – GDC)	Ph Pvt: 06 863 1142 (0274463336)
Rural Fire Officer	Trevor Mitchell	Ph Pvt: 0274 811 880
Rural Fire Officer	Garth Duley	Ph Pvt: 06-838 7105
Rural Fire Officer	Malcolm Smith	Ph Pvt: 06-837 5595
Rural Fire Officer	Mark Lewis	Ph Pvt: 06-837 3806
Rural Fire Officer	Gerald Haynes	Ph Pvt: 06-837 6808

<b>Rural Fire Force/RFO's</b>	<b>Name</b>	<b>Contact Details</b>
Mahia Fire Force Controller/RFO	Bill Duff	Pvt: 06 837 5557 Stn: 06 837 5555
Deputy/RFO	John Smith	Pvt: 06 837-5955
Rural Fire Officer	Joe Hedley	Pvt: 06 837-5031
Ruakituri Fire Force Controller/RFO	Geoff Smith	Pvt: 06 838 7745
Deputy/RFO	J MacPherson	Pvt: 06 8387836
Tuai Fire Force Controller/RFO	Roha Lake	Pvt: 06 837 3860 Stn: 06 837 3797
Deputy/RFO	Neil Taylor	Pvt: 06 837-3745
<b>NZFS Brigade – Fire Officers</b>	<b>Name</b>	<b>Contact Details</b>
Wairoa Fire Brigade	CFO Grant Duley	Pvt: 06 838 8311 Stn: 06 838 7755
	DCFO Barry Gasson	Pvt: 06 838 7391
Nuhaka Fire Brigade	CFO Bruce McCulloch	Pvt: 06 837 8897 Wk: 06 838 8374 Stn: 06-837 8799 Fax: 06 838 8766
	DCFO Tipene Raroa	Pvt: 06 837 8575 Wk: 06 837 8730

# **Annex 7 Rural Fire Force Agreements**

**WAIROA DISTRICT RURAL FIRE AUTHORITY**  
**Mahia Rural Fire Force Agreement**

This Agreement is made on \_\_\_\_\_ between the Wairoa District Council (The Rural Fire Authority) and the Mahia Voluntary Rural Fire Force (The Fire Force)

**1. INTRODUCTION**

- a. This Agreement sets out the minimum terms and conditions under which the Mahia Voluntary Rural Fire Force, (the Fire Force) agrees to be subject to the control and direction of the Principal Rural Fire Officer of the Rural Fire Authority.
- b. All members of the Mahia Rural Fire Force are employees of the Rural Fire Authority for the purposes of the Forest and Rural Fires Act 1977 and the Forest and Rural Fires Regulations 1979.
- c. The operations of the Mahia Rural Fire Force at all times - (fires, training, emergencies and other occasions) shall be directed by the Rural Fire Force Controller or the Deputy Fire Force Controller who shall be a Warranted Rural Fire Officer of the Rural Fire Authority pursuant to Section 13 of the Forest and Rural Fires Act 1977.

**2. PURPOSE**

The purpose of the Mahia Rural Fire Force shall be to undertake fire prevention measures as deemed necessary and to respond to and extinguish such fires as do occur in vegetation within the designated area of responsibility as described hereunder and where deemed necessary provide initial attack for property fires, and attend other such emergencies.

**3. SCOPE OF RESPONSIBILITY**

A Map showing the boundaries of the callout area and areas where payment for services can be charged for the Mahia Rural Fire Force is attached to this constitution as Schedule 1.

**4. ORGANISATION AND MANAGEMENT**

- a. The affairs of the Mahia Rural Fire Force shall be administered by the Fire Force Controller, (or in his/her absence the Deputy Fire Force Controller) and the Principal Rural Fire Officer of the Rural Fire Authority.
- b. The Fire Force Controller shall:
  - i. Maintain an effective Fire Force with a roll of not less than six members, and
  - ii. Comply with the Wairoa District Rural Fire Authority Standards Assurance Programme; and
  - iii. Appoint personnel to vacant positions within the Fire Force; and
  - iv. Enter into agreements as deemed necessary with the Rural Fire Authority or other bodies, with the permission of the Rural Fire Authority; and
  - v. Keep records of meetings, decisions and correspondence pertaining to the Fire Force; and
  - vi. Maintain a record of all fire reports and other emergencies attended by the Fire Force; and
  - vii. Meet and dispatch business and regulate meetings as they think fit.

## **5. GENERAL MEETINGS**

a. General Meetings The Mahia Fire Force Controller may call a General Meeting at any time with not less than 24 hours notice, and any five members may call a General Meeting on not less than seven days notice to the members.

b. Quorum A quorum necessary for the transaction of business at any General or Annual General Meeting shall be more than half of the existing registered members of the Fire Force present in person.

## **6. RURAL FIRE FORCE MEETINGS**

a. The following provisions shall apply at all meetings of the Mahia Rural Fire Force:

i Any matters in which questions arising at any meeting shall be decided by a majority of votes; and

ii The Rural Fire Force Controller (Chairperson) has a deliberate vote and, in the event of an equality of votes, also has a casting vote; and

iii If the Rural Fire Force Controller (Chairperson) is not present, the members present, or a majority of them, shall choose one of their number to be Chairperson.

iv Any two members of the Mahia Rural Fire Force may requisition a meeting; and

v A quorum of the meeting shall be a majority of more than half of the existing membership of the Mahia Rural Fire Force; and

vi If a quorum is not present within fifteen minutes from the time appointed for a meeting the Rural Fire Force Controller (Chairperson), or if the Chairperson is not present, the majority of the members present, is/are to adjourn the meeting to such a time and place as he/she/they determine.

## **7. MEMBERSHIP OF THE FIRE FORCE**

a. Membership may be granted, by a majority of the Mahia Rural Fire Force, to any person who is both fit and able if:

i The Rural Fire Force Controller and his/her deputy considers the person can contribute to the effectiveness of the Fire Force; and

ii The person has attained the required competencies or is prepared to attain/achieve the required competencies in fire fighting.

b. Members may resign at any time by written notification, to the Fire Force Controller.

c. The Fire Force Controller may resign at any time by written notification to the Rural Fire Authority.

d. The Rural Fire Force members may call for the resignation of any member who:

i Does not attend three consecutive training sessions.

ii Acts in a manner which inhibits the operations or safety of the Fire Force or any of its members.

iii Brings the Voluntary Rural Fire Force into disrepute.

e. Where a vacancy occurs, the appointment of Rural Fire Force Controller and/or Deputy Rural Fire Force Controller, shall be elected at a Special Meeting or a General Meeting of the Mahia Rural Fire Force and will be subject to approval by the Rural Fire Authority. This approval may be revoked by the Rural Fire Authority at any time.

f. The rank structure and rank markings at fires for a Fire Force under this agreement is:

i Fire Force Controller and Deputy(s) - Orange fire resistant overall

ii Firefighter - Yellow fire resistant overall

## **8. COMPETENCY REQUIREMENTS**

**The following shall apply to the Mahia Rural Fire Force in respect to the level of competency required to remain as a registered Volunteer Rural Fire Force.**

- a. Have more than one member (including the Fire Force Controller) appointed as a warranted Rural Fire Officer of the Rural Fire Authority.
- b. Undertake training as required by the Rural Fire Authority.
- c. Have at least two members with NZQA Unit Standard competencies 3285, 3291, 6401, 14565 and 14554 from the year 2003.
- d. Where members are required to direct defensive control of structure and vehicle fires then they are required to attain Unit Standards 14554 and 14555 from the year 2003.
- e. Have all members attain the NZQA Unit Standard Competency 3285 from the year 2003.
- g. Have all personnel that have not attained the above requirements receive a safety briefing prior to entering a fire ground from a Rural Fire Force member that holds 3285.

## **9. DONATION/COMPENSATION FOR SERVICES**

- a. Any entitlement to payment from the Rural Fire Authority for providing fire prevention services or attending fires within the callout area shall be as determined by the Rural Fire Authority.
- c. Public donations to the Voluntary Rural Fire Force shall be paid directly to the Mahia Rural Fire Force and shall be used as members see fit.
- d. The Fire Force shall be entitled to payment for attending vegetation fires outside their callout area.
- e. A schedule of Voluntary Rural Fire Force charges for attending callouts outside the callout area is attached at annex A.
- f. Payments for services provided by the Mahia Rural Fire Force outside their callout area shall be made by the Rural Fire Authority to the Fire Force within one month of the event.

## **10. INSURANCE**

- a. The Rural Fire Authority shall provide insurance coverage at its expense for registered Mahia Rural Fire Force Firefighters while on official Fire Force duties in respect of:
  - i. Death or major permanent disability involving two limbs or more arising out of firefighting operations or travelling to or from firefighting operations (\$100,000.00 lump sum payment);
  - ii. Minor permanent disability according to a sliding scale but less than \$100,000.00;
  - iii. The first weeks wages and the difference between normal take home pay and Accident Compensation payments for firefighters;
  - iv. Loss or damage to firefighters personal effects including boots and clothing;
  - v. Loss or damage to Fire Force vehicles and equipment;
  - vi. Fire insurance for Mahia Rural Fire Force buildings and contents;
  - vii. Third party insurance for vehicles of Mahia Rural Fire Force members; and
  - viii. Public Liability insurance.
- b. The Fire Force and the Rural Fire Authority shall each hold copies of all insurance documents.

**11. ACCOMODATION**

The Mahia Rural Fire Force premises shall be the Mahia Fire Station, Newcastle Street, Mahia. The Rural Fire Authority will pay all costs associated with the provision of these facilities.

**12. CLOTHING**

The Fire Force must hold in good order and condition for each firefighter a suitable fire resistant overall, bunker coat, safety helmet, gloves, and leather boots.

**13. CALLOUTS**

- a. Where the Mahia Rural Fire Force receives a callout other than by the NZFS Call Centre or the Rural Fire Authority, it must advise the Rural Fire Authority by the fastest possible means regardless of size or type of callout.
- b. The Rural Fire Authority and the Mahia Fire Force Controller will jointly determine the type of incidents to be attended and the callout process.
- c. Any arrangements made by the Mahia Rural Fire Force to respond to events other than those for the Authority are to be approved by the authority and the Authority is to be a party to any such agreement.
- d. The Rural Fire Authority will advise the relevant Fire Service Control Room of those arrangements.

**14. DISSOLUTION OF VOLUNTARY RURAL FIRE FORCE**

- a. The Mahia Rural Fire Force shall be dissolved:
  - i. If the Rural Fire Force becomes a Fire Brigade as defined by the Fire Service Act 1975; or
  - ii. By the Rural Fire Authority on the recommendation of the Principal Rural Fire Officer if the Mahia Rural Fire Force has ceased to function effectively for more than one year.
  - iii. If the Mahia Rural Fire Force by a General Meeting of members so decides.
- b. In the event of dissolution, all equipment, material resources and monies provided by the Rural Fire Authority shall pass to the Rural Fire Authority or be disposed of as the Rural Fire Authority deems fit, except where the Rural Fire Force transfers to the control of the NZ Fire Service Commission pursuant to the Fire Service Act 1975.

Signed .....

..... for Mahia Rural Fire Force

..... Date:

Signed .....

..... for Wairoa Rural Fire Authority

..... Date:

Signed .....

..... for National Rural Fire Authority

..... Date:

**WAIROA DISTRICT RURAL FIRE AUTHORITY**  
**Ruakituri Rural Fire Force Agreement**

This Agreement is made on \_\_\_\_\_ between the Wairoa District Council (The Rural Fire Authority) and the Ruakituri Voluntary Rural Fire Force (The Fire Force)

**1. INTRODUCTION**

- a. This Agreement sets out the minimum terms and conditions under which the Ruakituri Voluntary Rural Fire Force, (the Fire Force) agrees to be subject to the control and direction of the Principal Rural Fire Officer of the Rural Fire Authority.
- b. All members of the Ruakituri Rural Fire Force are employees of the Rural Fire Authority for the purposes of the Forest and Rural Fires Act 1977 and the Forest and Rural Fires Regulations 1979.
- c. The operations of the Ruakituri Rural Fire Force at all times - (fires, training, emergencies and other occasions) shall be directed by the Rural Fire Force Controller or the Deputy Fire Force Controller who shall be a Warranted Rural Fire Officer of the Rural Fire Authority pursuant to Section 13 of the Forest and Rural Fires Act 1977.

**2. PURPOSE**

The purpose of the Ruakituri Rural Fire Force shall be to undertake fire prevention measures as deemed necessary and to respond to and extinguish such fires as do occur in vegetation within the designated area of responsibility as described hereunder and where deemed necessary provide initial attack for property fires, and attend other such emergencies.

**3. SCOPE OF RESPONSIBILITY**

A Map showing the boundaries of the callout area and areas where payment for services can be charged for the Ruakituri Rural Fire Force is attached to this constitution as Schedule 1.

**4. ORGANISATION AND MANAGEMENT**

- a. The affairs of the Ruakituri Rural Fire Force shall be administered by the Fire Force Controller, (or in his/her absence the Deputy Fire Force Controller) and the Principal Rural Fire Officer of the Rural Fire Authority.
- b. The Fire Force Controller Shall:
  - i. Maintain an effective Fire Force with a roll of not less than six members, and
  - ii. Comply with the Wairoa District Rural Fire Authority Standards Assurance Programme; and
  - iii. Appoint personnel to vacant positions within the Fire Force; and
  - iv. Enter into agreements as deemed necessary with the Rural Fire Authority or other bodies, with the permission of the Rural Fire Authority; and
  - v. Keep records of meetings, decisions and correspondence pertaining to the Fire Force; and
  - vi. Maintain a record of all fire reports and other emergencies attended by the Fire Force; and
  - vii. Meet and dispatch business and regulate meetings as they think fit.

## **5. GENERAL MEETINGS**

a. General Meetings The Ruakituri Fire Force Controller may call a General Meeting at any time with not less than 24 hours notice, and any five members may call a General Meeting on not less than seven days notice to the members.

b. Quorum A quorum necessary for the transaction of business at any General or Annual General Meeting shall be more than half of the existing registered members of the Fire Force present in person.

## **6. RURAL FIRE FORCE MEETINGS**

a. The following provisions shall apply at all meetings of the Ruakituri Rural Fire Force:

i Any matters in which questions arising at any meeting shall be decided by a majority of votes; and

ii The Rural Fire Force Controller (Chairperson) has a deliberate vote and, in the event of an equality of votes, also has a casting vote; and

iii If the Rural Fire Force Controller (Chairperson) is not present, the members present, or a majority of them, shall choose one of their number to be Chairperson.

iv Any two members of the Ruakituri Rural Fire Force may requisition a meeting; and

v A quorum of the meeting shall be a majority of more than half of the existing membership of the Ruakituri Rural Fire Force; and

vi If a quorum is not present within fifteen minutes from the time appointed for a meeting the Rural Fire Force Controller (Chairperson), or if the Chairperson is not present, the majority of the members present, is/are to adjourn the meeting to such a time and place as he/she/they determine.

## **7. MEMBERSHIP OF THE FIRE FORCE**

a. Membership may be granted, by a majority of the Ruakituri Rural Fire Force, to any person who is both fit and able if:

i The Rural Fire Force Controller and his/her deputy considers the person can contribute to the effectiveness of the Fire Force; and

ii The person has attained the required competencies or is prepared to attain/achieve the required competencies in fire fighting.

b. Members may resign at any time by written notification, to the Fire Force Controller.

c. The Fire Force Controller may resign at any time by written notification to the Rural Fire Authority.

d. The Rural Fire Force members may call for the resignation of any member who:

i Does not attend three consecutive training sessions.

ii Acts in a manner which inhibits the operations or safety of the Fire Force or any of its members.

iii Brings the Voluntary Rural Fire Force into disrepute.

e. Where a vacancy occurs, the appointment of Rural Fire Force Controller and/or Deputy Rural Fire Force Controller, shall be elected at a Special Meeting or a General Meeting of the Ruakituri Rural Fire Force and will be subject to approval by the Rural Fire Authority. This approval may be revoked by the Rural Fire Authority at any time.

f. The rank structure and rank markings at fires for a Fire Force under this agreement is:

i Fire Force Controller and Deputy(s) - Orange fire resistant overall

ii Firefighter - Yellow fire resistant overall

## **8. COMPETENCY REQUIREMENTS**

**The following shall apply to the Ruakituri Rural Fire Force in respect to the level of competency required to remain as a registered Volunteer Rural Fire Force.**

- a. Have more than one member (including the Fire Force Controller) appointed as a warranted Rural Fire Officer of the Rural Fire Authority.
- b. Undertake training as required by the Rural Fire Authority.
- c. Have at least two members with NZQA Unit Standard competencies 3285, 3291, 6401, 14565 and 14554 from the year 2003.
- e. Where members are required to direct defensive control of structure and vehicle fires then they are required to attain Unit Standards 14554 and 14555 from the year 2003.
- e. Have all members attain the NZQA Unit Standard Competency 3285 from the year 2003.
- h. Have all personnel that have not attained the above requirements receive a safety briefing prior to entering a fire ground from a Rural Fire Force member that holds 3285.

## **9. DONATION/COMPENSATION FOR SERVICES**

- a. Any entitlement to payment from the Rural Fire Authority for providing fire prevention services or attending fires within the callout area shall be as determined by the Rural Fire Authority.
- c. Public donations to the Voluntary Rural Fire Force shall be paid directly to the Ruakituri Rural Fire Force and shall be used as members see fit.
- d. The Fire Force shall be entitled to payment for attending vegetation fires outside their callout area.
- e. A schedule of Voluntary Rural Fire Force charges for attending callouts outside the callout area is attached at annex A.
- f. Payments for services provided by the Ruakituri Rural Fire Force outside their callout area shall be made by the Rural Fire Authority to the Fire Force within one month of the event.

## **10. INSURANCE**

- a. The Rural Fire Authority shall provide insurance coverage at its expense for registered Ruakituri Rural Fire Force Firefighters while on official Fire Force duties in respect of:
  - i. Death or major permanent disability involving two limbs or more arising out of firefighting operations or travelling to or from firefighting operations (\$100,000.00 lump sum payment);
  - ii. Minor permanent disability according to a sliding scale but less than \$100,000.00;
  - iii. The first weeks wages and the difference between normal take home pay and Accident Compensation payments for firefighters;
  - iv. Loss or damage to firefighters personal effects including boots and clothing;
  - v. Loss or damage to Fire Force vehicles and equipment;
  - vi. Fire insurance for Ruakituri Rural Fire Force buildings and contents;
  - vii. Third party insurance for vehicles of Ruakituri Rural Fire Force members; and
  - viii. Public Liability insurance.
- c. The Fire Force and the Rural Fire Authority shall each hold copies of all insurance documents.

**11. ACCOMODATION**

The Ruakituri Rural Fire Force premises shall be the Ruakituri Rural Fire Force Fire Station, Ruakituri Valley Road. The Rural Fire Authority will pay all costs associated with the provision of these facilities.

**12. CLOTHING**

The Fire Force must hold in good order and condition for each firefighter a suitable fire resistant overall, bunker coat, safety helmet, gloves, and leather boots.

**13. CALLOUTS**

- a. Where the Ruakituri Rural Fire Force receives a callout other than by the NZFS Call Centre or the Rural Fire Authority, it must advise the Rural Fire Authority by the fastest possible means regardless of size or type of callout.
- b. The Rural Fire Authority and the Ruakituri Fire Force Controller will jointly determine the type of incidents to be attended and the callout process.
- c. Any arrangements made by the Ruakituri Rural Fire Force to respond to events other than those for the Authority are to be approved by the authority and the Authority is to be a party to any such agreement.
- d. The Rural Fire Authority will advise the relevant Fire Service Control Room of those arrangements.

**14. DISSOLUTION OF VOLUNTARY RURAL FIRE FORCE**

- a. The Ruakituri Rural Fore Force shall be dissolved:
  - i If the Rural Fire Force becomes a Fire Brigade as defined by the Fire Service Act 1975; or
  - ii By the Rural Fire Authority on the recommendation of the Principal Rural Fire Officer if the Ruakituri Rural Fire Force has ceased to function effectively for more than one year.
  - iii If the Ruakituri Rural Fire Force by a General Meeting of members so decides.
- c. In the event of dissolution, all equipment, material resources and monies provided by the Rural Fire Authority shall pass to the Rural Fire Authority or be disposed of as the Rural Fire Authority deems fit, except where the Rural Fire Force transfers to the control of the NZ Fire Service Commission pursuant to the Fire Service Act 1975.

Signed .....

..... for Ruakituri Rural Fire Force

..... Date:

Signed .....

..... for Wairoa Rural Fire Authority

..... Date:

Signed .....

..... for National Rural Fire Authority

..... Date:

**WAIROA DISTRICT RURAL FIRE AUTHORITY**  
**Tuai Rural Fire Force Agreement**

This Agreement is made on \_\_\_\_\_ between the Wairoa District Council (The Rural Fire Authority) and the Tuai Voluntary Rural Fire Force (The Fire Force)

**1. INTRODUCTION**

- a. This Agreement sets out the minimum terms and conditions under which the Tuai Voluntary Rural Fire Force, (the Fire Force) agrees to be subject to the control and direction of the Principal Rural Fire Officer of the Rural Fire Authority.
- b. All members of the Tuai Rural Fire Force are employees of the Rural Fire Authority for the purposes of the Forest and Rural Fires Act 1977 and the Forest and Rural Fires Regulations 1979.
- c. The operations of the Tuai Rural Fire Force at all times - (fires, training, emergencies and other occasions) shall be directed by the Rural Fire Force Controller or the Deputy Fire Force Controller who shall be a Warranted Rural Fire Officer of the Rural Fire Authority pursuant to Section 13 of the Forest and Rural Fires Act 1977.

**2. PURPOSE**

The purpose of the Tuai Rural Fire Force shall be to undertake fire prevention measures as deemed necessary and to respond to and extinguish such fires as do occur in vegetation within the designated area of responsibility as described hereunder and where deemed necessary provide initial attack for property fires, and attend other such emergencies.

**3. SCOPE OF RESPONSIBILITY**

A Map showing the boundaries of the callout area and areas where payment for services can be charged for the Tuai Rural Fire Force is attached to this constitution as Schedule 1.

**4. ORGANISATION AND MANAGEMENT**

- a. The affairs of the Tuai Rural Fire Force shall be administered by the Fire Force Controller, (or in his/her absence the Deputy Fire Force Controller) and the Principal Rural Fire Officer of the Rural Fire Authority.
- b. The Fire Force Controller shall:
  - i. Maintain an effective Fire Force with a roll of not less than six members, and
  - ii. Comply with the Wairoa District Rural Fire Authority Standards Assurance Programme; and
  - iii. Appoint personnel to vacant positions within the Fire Force; and
  - iv. Enter into agreements as deemed necessary with the Rural Fire Authority or other bodies, with the permission of the Rural Fire Authority; and
  - v. Keep records of meetings, decisions and correspondence pertaining to the Fire Force; and
  - vi. Maintain a record of all fire reports and other emergencies attended by the Fire Force; and
  - vii. Meet and dispatch business and regulate meetings as they think fit.

## **5. GENERAL MEETINGS**

a. General Meetings The Tuai Fire Force Controller may call a General Meeting at any time with not less than 24 hours notice, and any five members may call a General Meeting on not less than seven days notice to the members.

b. Quorum A quorum necessary for the transaction of business at any General or Annual General Meeting shall be more than half of the existing registered members of the Fire Force present in person.

## **6. RURAL FIRE FORCE MEETINGS**

a. The following provisions shall apply at all meetings of the Tuai Rural Fire Force:

- i Any matters in which questions arising at any meeting shall be decided by a majority of votes; and
- ii The Rural Fire Force Controller (Chairperson) has a deliberate vote and, in the event of an equality of votes, also has a casting vote; and
- iii If the Rural Fire Force Controller (Chairperson) is not present, the members present, or a majority of them, shall choose one of their number to be Chairperson.
- iv Any two members of the Tuai Rural Fire Force may requisition a meeting; and
- v A quorum of the meeting shall be a majority of more than half of the existing membership of the Tuai Rural Fire Force; and
- vi If a quorum is not present within fifteen minutes from the time appointed for a meeting the Rural Fire Force Controller (Chairperson), or if the Chairperson is not present, the majority of the members present, is/are to adjourn the meeting to such a time and place as he/she/they determine.

## **7. MEMBERSHIP OF THE FIRE FORCE**

a. Membership may be granted, by a majority of the Tuai Rural Fire Force, to any person who is both fit and able if:

- i The Rural Fire Force Controller and his/her deputy considers the person can contribute to the effectiveness of the Fire Force; and
- ii The person has attained the required competencies or is prepared to attain/achieve the required competencies in fire fighting.

b. Members may resign at any time by written notification, to the Fire Force Controller.

c. The Fire Force Controller may resign at any time by written notification to the Rural Fire Authority.

d. The Rural Fire Force members may call for the resignation of any member who:

- i Does not attend three consecutive training sessions.
- ii Acts in a manner which inhibits the operations or safety of the Fire Force or any of its members.
- iii Brings the Voluntary Rural Fire Force into disrepute.

e. Where a vacancy occurs, the appointment of Rural Fire Force Controller and/or Deputy Rural Fire Force Controller, shall be elected at a Special Meeting or a General Meeting of the Tuai Rural Fire Force and will be subject to approval by the Rural Fire Authority. This approval may be revoked by the Rural Fire Authority at any time.

f. The rank structure and rank markings at fires for a Fire Force under this agreement is:

- i Fire Force Controller and Deputy(s) - Orange fire resistant overall
- ii Firefighter - Yellow fire resistant overall

## **8. COMPETENCY REQUIREMENTS**

**The following shall apply to the Tuai Rural Fire Force in respect to the level of competency required to remain as a registered Volunteer Rural Fire Force.**

- a. Have more than one member (including the Fire Force Controller) appointed as a warranted Rural Fire Officer of the Rural Fire Authority.
- b. Undertake training as required by the Rural Fire Authority.
- c. Have at least two members with NZQA Unit Standard competencies 3285, 3291, 6401, 14565 and 14554 from the year 2003.
- f. Where members are required to direct defensive control of structure and vehicle fires then they are required to attain Unit Standards 14554 and 14555 from the year 2003.
- e. Have all members attain the NZQA Unit Standard Competency 3285 from the year 2003.
- i. Have all personnel that have not attained the above requirements receive a safety briefing prior to entering a fire ground from a Rural Fire Force member that holds 3285.

## **9. DONATION/COMPENSATION FOR SERVICES**

- a. Any entitlement to payment from the Rural Fire Authority for providing fire prevention services or attending fires within the callout area shall be as determined by the Rural Fire Authority.
- c. Public donations to the Voluntary Rural Fire Force shall be paid directly to the Tuai Rural Fire Force and shall be used as members see fit.
- d. The Fire Force shall be entitled to payment for attending vegetation fires outside their callout area.
- e. A schedule of Voluntary Rural Fire Force charges for attending callouts outside the callout area is attached at annex A.
- f. Payments for services provided by the Tuai Rural Fire Force outside their callout area shall be made by the Rural Fire Authority to the Fire Force within one month of the event.

## **10. INSURANCE**

- a. The Rural Fire Authority shall provide insurance coverage at its expense for registered Tuai Rural Fire Force Firefighters while on official Fire Force duties in respect of:
  - i. Death or major permanent disability involving two limbs or more arising out of firefighting operations or travelling to or from firefighting operations (\$100,000.00 lump sum payment);
  - ii. Minor permanent disability according to a sliding scale but less than \$100,000.00;
  - iii. The first weeks wages and the difference between normal take home pay and Accident Compensation payments for firefighters;
  - iv. Loss or damage to firefighters personal effects including boots and clothing;
  - v. Loss or damage to Fire Force vehicles and equipment;
  - vi. Fire insurance for Tuai Rural Fire Force buildings and contents;
  - vii. Third party insurance for vehicles of Tuai Rural Fire Force members; and
  - viii. Public Liability insurance.
- d. The Fire Force and the Rural Fire Authority shall each hold copies of all insurance documents.

**11. ACCOMODATION**

The Tuai Rural Fire Force premises shall be the Tuai Fire Station, Main Road, Tuai. The Rural Fire Authority will pay all costs associated with the provision of these facilities.

**12. CLOTHING**

The Fire Force must hold in good order and condition for each firefighter a suitable fire resistant overall, bunker coat, safety helmet, gloves, and leather boots.

**13. CALLOUTS**

- a. Where the Tuai Rural Fire Force receives a callout other than by the NZFS Call Centre or the Rural Fire Authority, it must advise the Rural Fire Authority by the fastest possible means regardless of size or type of callout.
- b. The Rural Fire Authority and the Tuai Fire Force Controller will jointly determine the type of incidents to be attended and the callout process.
- c. Any arrangements made by the Tuai Rural Fire Force to respond to events other than those for the Authority are to be approved by the authority and the Authority is to be a party to any such agreement.
- d. The Rural Fire Authority will advise the relevant Fire Service Control Room of those arrangements.

**14. DISSOLUTION OF VOLUNTARY RURAL FIRE FORCE**

- a. The Tuai Rural Fore Force shall be dissolved:
  - i. If the Rural Fire Force becomes a Fire Brigade as defined by the Fire Service Act 1975; or
  - ii. By the Rural Fire Authority on the recommendation of the Principal Rural Fire Officer if the Tuai Rural Fire Force has ceased to function effectively for more than one year.
  - iii. If the Tuai Rural Fire Force by a General Meeting of members so decides.
- d. In the event of dissolution, all equipment, material resources and monies provided by the Rural Fire Authority shall pass to the Rural Fire Authority or be disposed of as the Rural Fire Authority deems fit, except where the Rural Fire Force transfers to the control of the NZ Fire Service Commission pursuant to the Fire Service Act 1975.

Signed .....

..... for Tuai Rural Fire Force

..... Date:

Signed .....

..... for Wairoa Rural Fire Authority

..... Date:

Signed .....

..... for National Rural Fire Authority

..... Date:

# Annex 9 Initial Fire Call Action Sheet

A diary will be maintained by all VRFF to record all turnouts whether they are false alarms or real events and what action was taken. Firecom also maintains a record of actions, times etc, which is available to WDC on request. This investigation form needs to be completed in full by the RFO prior to leaving the fire ground, for every fire, where action was taken and cost recovery may be an option.

Time (24 Hrs) \_\_\_\_\_ Date \_\_\_\_\_ Day \_\_\_\_\_

RFA Incident N° \_\_\_\_\_ FS Incident N° \_\_\_\_\_ Duty Officer \_\_\_\_\_

Supposed Cause \_\_\_\_\_

Equipment involved in ignition \_\_\_\_\_

Location of Ignition \_\_\_\_\_

Source of Ignition \_\_\_\_\_

Fuel Type @ Source of Ignition \_\_\_\_\_

Estimated Area Burnt (Ha) \_\_\_\_\_

Permit Issued: Yes  No  Conditions complied with Yes  No

Material Burning Crops  Pine  Slash  Car  Rubbish  Native Grass

Area of Fire: \_\_\_\_\_ Fire Cause \_\_\_\_\_

Fire Intensity: \_\_\_\_\_ Flame Length \_\_\_\_\_ Colour of smoke \_\_\_\_\_

Altitude \_\_\_\_\_ Aspect \_\_\_\_\_ Slope % \_\_\_\_\_

Fuel Type \_\_\_\_\_ Fuel Volume/Load \_\_\_\_\_

Type of Fire	Sub- <input type="checkbox"/>	Surfac <input type="checkbox"/>	Grou <input type="checkbox"/>	Crown <input type="checkbox"/>	Vehicle <input type="checkbox"/>	Other <input type="checkbox"/>
Temp <input type="text"/>	RH % <input type="text"/>	WindSpeed <input type="text"/>	Dir <input type="text"/>	Altitud <input type="text"/>	Be <input type="text"/>	<input type="text"/>
FFMC <input type="text"/>	DMC <input type="text"/>	DC <input type="text"/>	ISI <input type="text"/>	BUI <input type="text"/>	FW <input type="text"/>	<input type="text"/>

Sketch of Fire / Emergency Incident

N  
↑

Police Informed Yes  No  Investigation Initiated Yes  No  (Attach additional info if required)

Fire Investigation – Other details

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Completed by (Duty RFO) \_\_\_\_\_ Position within RFA \_\_\_\_\_ Date/Time \_\_\_\_\_

**FIRMS REPORT**

**FIRE FORCE:** \_\_\_\_\_

Form to be completed for all incidents attended by Wairoa Rural Fire Forces and forwarded to the Principle Rural Fire Officer within **7 days** of the incident.

**DATE:** \_\_\_\_\_

**CAD No.:** \_\_\_\_\_

**1. INCIDENT INFORMATION**

Incident Type: (Mandatory)

- Grass Fire     Scrub Fire     Plantation Fire     Structure Fire     Vehicle Fire
- MVC     Hazardous Substance     Medical Assist     Other

Incident Controller Name: (Optional) \_\_\_\_\_

Distance Traveled: (Optional) \_\_\_\_\_ (Kms)    Recomissioning Time: (Optional) \_\_\_\_\_

Delay In Receiving Call: (Optional) \_\_\_\_\_

Fire Appliance Delay: (Optional) \_\_\_\_\_

Location of Incident: (Mandatory)

Road/Street: \_\_\_\_\_

Rapid/Street No: \_\_\_\_\_

Suburb: \_\_\_\_\_

Property Owner: \_\_\_\_\_

- Operational Investigation: (Mandatory)    **YES/NO**
- Fire Investigation: (Mandatory)    **YES/NO**
- Fire Fighter Casualties: (Mandatory)    **YES/NO**
- Civilian Casualties: (Mandatory)    **YES/NO**
- Exposure: (Mandatory)    **YES/NO**

**2. GENERAL INFORMATION**

General Property Use: (Mandatory)

- Farming     Forestry     Recreation     Disposal     Transportation    Other \_\_\_\_\_

Specific Property Use: (Mandatory)

- Agriculture     Horticulture     Forest
- Conservation     Recreation    Other \_\_\_\_\_ +

Evacuation Status: (Mandatory)    **YES/NO**

Action Taken On Arrival: (Mandatory)

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Civilians Evacuated: (Mandatory)    **YES/NO**    **No:** \_\_\_\_\_



# Annex 10 Incident Action Plan

1. Incident Name	2. Operational Period	IAP COVER SHEET						
	Date Time							
<p><b>INCIDENT ACTION PLAN</b></p> <p>The items checked below are included in the incident Action Plan</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> <a href="#">SITUATION REPORT</a></li> <li><input type="checkbox"/> <a href="#">INCIDENT OBJECTIVES</a></li> <li><input type="checkbox"/> <a href="#">ORGANISATION LIST</a></li> <li><input type="checkbox"/> <a href="#">COMMUNICATIONS PLAN</a></li> <li><input type="checkbox"/> <a href="#">AIR OPERATIONS PLAN</a></li> <li><input type="checkbox"/> <a href="#">SAFETY PLAN</a></li> <li><input type="checkbox"/> <a href="#">DIVISION ASSIGNMENT</a></li> <li><input type="checkbox"/> <a href="#">SECTOR ASSIGNMENT</a></li> <li><input type="checkbox"/> <a href="#">MEDICAL PLAN</a></li> <li><input type="checkbox"/> FIRE MAP</li> <li><input type="checkbox"/> WEATHER FORECAST AND MAP</li> <li><input type="checkbox"/> FIRE BEHAVIOUR FORECAST</li> <li><input type="checkbox"/> FACILITIES LAYOUT PLAN</li> <li><input type="checkbox"/></li> <li><input type="checkbox"/></li> <li><input type="checkbox"/></li> </ul>								
<p><b>3. Approved by Incident Controller:</b></p> <table border="1"> <thead> <tr> <th data-bbox="132 1480 644 1541">Name</th> <th data-bbox="644 1480 1098 1541">Signed</th> <th data-bbox="1098 1480 1461 1541">Date/Time</th> </tr> </thead> <tbody> <tr> <td data-bbox="132 1541 644 1576"></td> <td data-bbox="644 1541 1098 1576"></td> <td data-bbox="1098 1541 1461 1576"></td> </tr> </tbody> </table>			Name	Signed	Date/Time			
Name	Signed	Date/Time						

<b>1. Incident Name</b> 	<b>2. Operational Period</b> Date Time	<b>SITUATION</b>  <b>REPORT</b>
<b>3. Location</b> 	<b>4. Vegetation</b> Forest/Scrub/Grass/Slash/ Other:	
<b>6. Assessment</b> 		
<b>7. Action taken</b> 		
<b>8. Factors</b> 		
<b>9. Predicted Incident Development</b> 		
<b>10. Prepared by:</b> _____ Date/Time _____		

<b>1. Incident Name</b>	<b>2. Operational Period</b>	<b>INCIDENT OBJECTIVES</b>
	Date Time	
<b>3. Overall Incident Objectives</b>		
<b>4. Objectives for specified Operational Period</b>		

<b>5. Prepared by:</b>	Date/Time
------------------------	-----------

1. Incident Name	2. Operational Period	<b>ORGANISATION</b>		
	Date Time	<b>LIST</b>		
<b>3. Incident Control</b>	<b>Ch</b>	<b>Phone</b>	<b>Cell Phone</b>	<b>Radio</b>
Incident Controller				
<b>Deputy IC</b>				
Information Officer				
Safety Officer				
Liaison Officer				
<b>4. Agency Representative</b>	<b>Ch</b>	<b>Phone</b>	<b>Cell Phone</b>	<b>Radio</b>
Lead Agency				
Agency				
Agency				
Agency				
<b>5. Planning/Intell Section</b>	<b>Ch</b>	<b>Phone</b>	<b>Cell Phone</b>	<b>Radio</b>
Planning/Intell Manager				
<b>Situations Unit</b>				
Resources Unit				
Management Support Unit				
Information Unit				
Advance Planning Unit				
Technical Specialists Unit				
<b>6. Logistics Section</b>	<b>Ch</b>	<b>Phone</b>	<b>Cell Phone</b>	<b>Radio</b>
<b>Logistics Manager</b>				
Supply Unit				
Catering Unit				
Facilities Unit				
Finance Unit				
Communications Unit				
Medical Unit				

<b>. Operations Section</b>	<b>Phone</b>	<b>Cell Phone</b>	<b>Radio C</b>
Operations Manager			
<b>Deputy Operations Manager</b>			
<b>Division One Commander</b>			
Sector A Supervisor			
Sector B Supervisor			
Sector C Supervisor			
Sector D Supervisor			
<b>Division Two Commander</b>			
Sector E Supervisor			
Sector F Supervisor			
Sector G Supervisor			
Sector H Supervisor			
Air Division Commander			
Air Attack Supervisor			
Air Support Supervisor			
<b>8. Prepared by:</b>	<b>Date/Time</b>		



<b>1. Incident Name</b>	<b>2. Operational Period</b>	<b>AIR OPERATIONS PLAN</b>
	Date Time	

<b>3. Personnel and Communications</b>				
Position	Name	Affiliation	Phone	Radio Chan
Air Div Commander				
Air Attack Supervisor				
Air Support Supervisor				
Lead Helicopter Pilot				
Lead Fixed-Wing Pilot				

<b>4. Air Resource Assignments</b>						
Pilot Name/ Company	Aircraft Type	Reg or Callsign	Assignment	Tactical Freq/Chan	Telephone Numbers	
					Onboard:	Company:
					Onboard:	
					Company:	
					Onboard:	
					Company:	
					Onboard:	
					Company:	
					Onboard:	
					Company:	

<b>5. Location of Filling Points/Service Areas</b>	
Name	Grid Reference

<b>6. Safety Notes / Hazards / Radio Coverage Limitations</b>

<b>7. Air Operations Special Equip or Service</b>

<b>8. Prepared By:</b>			Date/Time
<b>1. Incident Name</b>	<b>2. Operational Period</b>	<b>SAFETY PLAN</b>	
		Date	
		Time	
<b>3. General Safety Points</b>			
<p>Everyone will be signed in and out of the fire ground through the Incident Control Point for both safety check and payment records.</p> <p>Maintain regular situation reports (containing all relevant information) via line supervisors.</p>			
<i>LACES</i>	<i>Fire Orders</i>	<i>Watchouts</i>	
<i>L - Lookout(s)</i> <i>A – Anchor Point(s)</i> <i>C – Communication(s)</i> <i>E – Escape Route(s)</i> <i>S – Safety Zone(s)</i>	<ol style="list-style-type: none"> <li>1. Fight fire aggressively but provide for safety first.</li> <li>2. Initiate all action based upon current and expected fire behaviour.</li> <li>3. Recognise current weather conditions and obtain forecasts.</li> <li>4. Ensure instructions are given and understood.</li> <li>5. Obtain current information on fire status.</li> <li>6. Remain in Communication with crew members, your supervisor and adjoining forces.</li> <li>7. Determine safety zones and escape routes.</li> <li>8. Establish lookouts in potentially hazardous situations.</li> <li>9. Retain control at all times.</li> <li>10. Stay alert, keep calm, think clearly, act decisively.</li> </ol>	<ol style="list-style-type: none"> <li>1. Fire not scouted and sized up.</li> <li>2. In country not seen in daylight.</li> <li>3. Safety zones and escape routes not identified.</li> <li>4. Unfamiliar with weather and local factors influencing fire behaviour.</li> <li>5. Uninformed on strategy, tactics and hazards.</li> <li>6. Instructions and assignments not clear.</li> <li>7. No communications link with crew members or supervisor.</li> <li>8. Constructing fireline without safe anchor point.</li> <li>9. Constructing fireline downhill with fire below.</li> <li>10. Attempting frontal assault on fire.</li> <li>11. Unburned fuel between you and the fire.</li> <li>12. Cannot see main fire, not in contact with anyone who can.</li> <li>13. On hillside where rolling material can ignite fuel below.</li> <li>14. Weather is getting hotter and drier.</li> <li>15. Wind increases and/or changes direction.</li> <li>16. Getting frequent spot fires across the line.</li> <li>17. Terrain and fuels make escape to safety zones difficult.</li> <li>18. Taking a nap near the fire line.</li> </ol>	
<b>4. Specific Safety Points</b>			
<b>5. Prepared By:</b>			Date/Time

<b>1. Incident Name</b>		<b>2. Operational Period</b>		<b>DIVISION</b> <b>ASSIGNMENT</b>
		Date	Time	
<b>3. Division</b>		<b>4. Description</b>		
<b>5. Division Commander</b>	<i>Affiliation</i>	<i>Phone</i>	<i>Radio Ch</i>	
<b>6. Resources Assigned this Period</b>				
<i>Sector</i>	<i>Supervisor</i>	<i>Crews</i>	<i>Radio Ch</i>	
<b>7. Division Assignment/Special Instructions</b>				
<b>8. Division Communications</b>		<i>Phone</i>	<i>Radio Ch</i>	
Operations Manager				
Air Division Commander				
<b>9. Prepared By:</b>		Date/Time		

<b>1. Incident Name</b>		<b>2. Operational Period</b>		<b>SECTOR ASSIGNMENT</b>		
		Date	Time			
<b>3. Sector</b>	<b>4. Description</b>			<b>5. Division Assigned</b>		
<b>6. Sector Supervisor</b>		<i>Affiliation</i>		<i>Phone</i>	<i>Radio Ch</i>	
<b>7. Resources Assigned this period</b>						
<i>Resource/Crew</i>	<i>Leader</i>	<i># Persons</i>	<i>Transport Required</i>	<i>Drop-off Point/time</i>	<i>Pickup Point/time</i>	
<b>8. Sector Assignment / Special Instructions</b>						
<b>9. Sector Communications</b>				<i>Phone</i>	<i>Radio Ch</i>	
Division/Division Cmdr						
Air Attack Supervisor						
Safety Officer						
<b>10. Prepared By:</b>		Date/Time				

<b>1. Incident Name</b>		<b>2. Operational Period</b>		<b>MEDICAL PLAN</b>					
		Date						Time	
<b>3. First Aid Station Name</b>		<b>Location</b>		<b>Phone/Radio Channel</b>		<b>Paramedics available at Station</b>			
<b>4. Transportation Ambulance Service</b>		<b>Address</b>		<b>Phone/Radio Channel</b>		<b>Paramedics available with Ambulance</b>			
<b>5. Hospitals Hospital Name</b>		<b>Address</b>		<b>Phone</b>		<b>Travel Time</b>		<b>Burn Unit</b>	<b>Heli Pad</b>
						<b>Road</b>		<b>Air</b>	
<b>6. Special Emergency Procedures</b>									
<b>7. Prepared By:</b>				Date/Time					
<b>8. Reviewed by Safety Officer:</b>				Date/Time					









# Annex 12 COMMUNICATION NETWORK DIAGRAM

## RADIO FREQUENCIES CONTAINED IN EMO VEHICLE RADIO

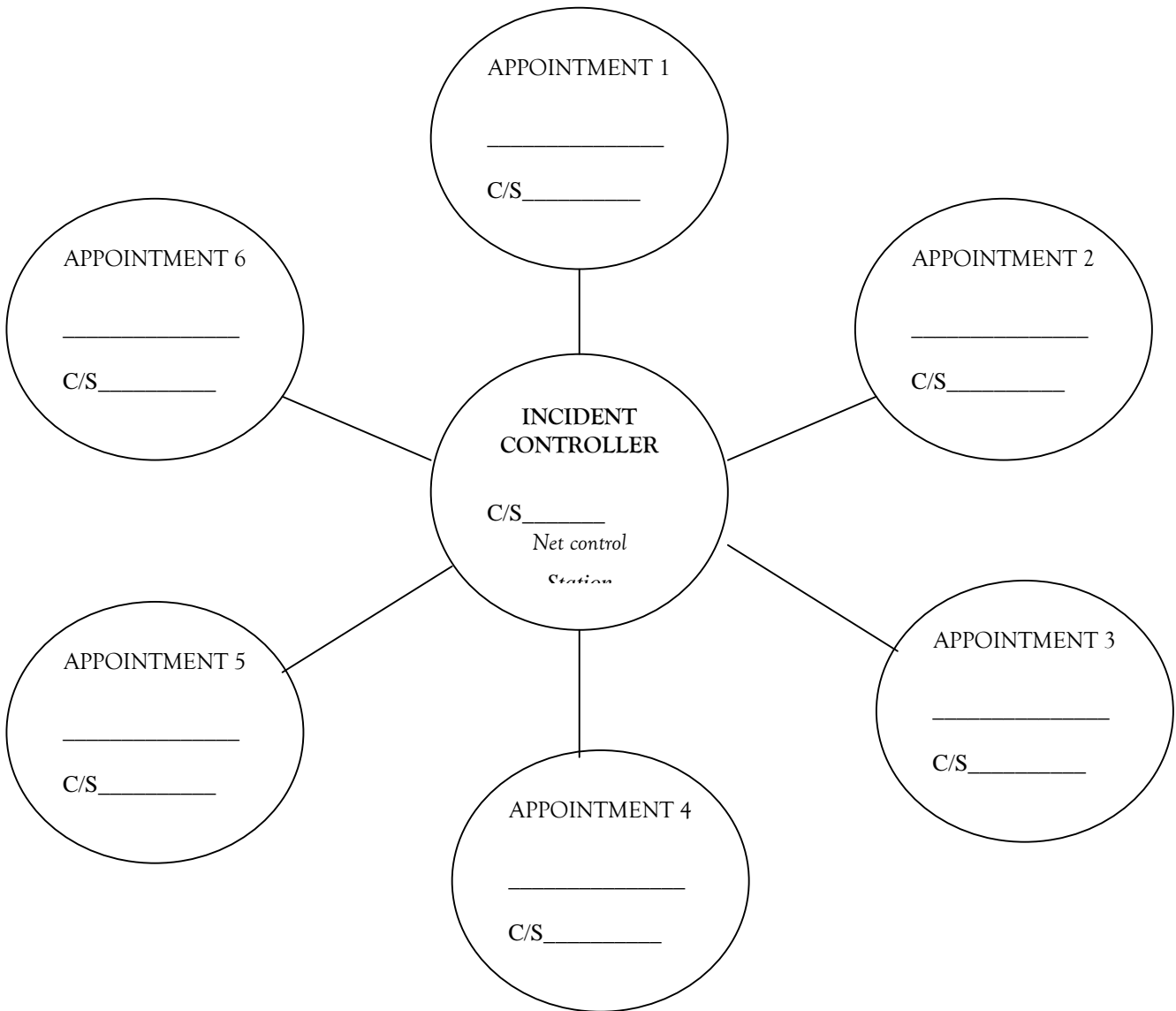
CHAN ID	CHAN NAME	RX.FREQ (MHz)	TX.FREQ (MHz)	NAME OF NETWORK
2	WDC CH2	151.75000	155.93125	
3	SIMPLEX	153.50625	153.50625	WDC SIMPLEX
7	JNL 7	152.77500	154.55625	JNL7 WHARERATA
8	WHAKAPI	151.70000	155.88125	E77 LOCAL TRUCKING WPE
9	JNL 9	152.82500	154.60625	JNL 9 PATANAMU
11	OLSN 1	151.57500	155.75625	OLSEN WHAKAPUNAKI
12	NZFS SX1	143.82500	143.82500	FIRE SERVICE H/H SPX
13	E145 CH3	152.55000	154.33125	PORTABLE FIRE RPTR
14	FFSPX 84	153.53125	153.53125	FIRE SIMPLEX 1
15	FFSPX 63	150.83750	150.83750	FIRE SIMPLEX 2
16	FFXPX 86	153.55625	153.55625	FIRE SIMPLEX 3
17	AERO SP1	165.75000	165.75000	FIRE AERO LINK
25	CIMS SX	140.98750	140.98750	LIAISON SX
26	RELAY	150.83750	150.83750	PRU RELAY ACCESS
30	17 SX B			DOC SIMPLEX B
31	15 SX A			DOC SIMPLEX A
32	01 ES116			DOC 1
33	02 ES117			DOC 2
34	03 ES118			DOC 3
35	04 ES119			DOC 4
36	05 ES120			DOC 5
37	06 ES121			DOC 6
38	07 ES122			DOC 7
39	08 ES123			DOC 8
40	09 ES124			DOC 9
41	10 ES154			DOC 10
42	11 ES155			DOC 11
43	12 ES156			DOC 12
44	13 ES157			DOC 13
45	OPS PRU			DOC 20
46	CIMS PRU			LIAISON PRU

## **RURAL FIRE FORCE HANDHELDS (MAHIA – TUAI – RUAKITURI – DUTY OFFICER)**

CHAN ID	CHAN NAME	RX.FREQ (MHz)	TX.FREQ (MHz)	NAME OF NETWORK
1	FFSPX 84	153.53125	153.53125	FIRE SIMPLEX 1
2	FFSPX 63	150.83750	150.83750	FIRE SIMPLEX 2
3	FFXPX 86	153.55625	153.55625	FIRE SIMPLEX 3
4	AERO SP1	165.75000	165.75000	FIRE AERO LINK
5	NZFS SX1	143.82500	143.82500	FIRE SERVICE H/H SPX
6	E145 CH3	152.55000	154.33125	PORTABLE FIRE RPTR
7	WDC CHI	151.05000	155.23125	WDC1
8	WDC CH2	151.75000	155.93125	WDC2
9	04 ES119			DOC 4
10	06 ES121			DOC 6
11	OPS PRU			DOC 20
12	JNL 7	152.77500	154.55625	JNL7 WHARERATA
13	JNL 9	152.82500	154.60625	JNL 9 PATANAMU
14	OLSN 1	151.57500	155.75625	OLSEN WHAKAPUNAKI
15	WHAKAPI	151.70000	155.88125	E77 LOCAL TRUCKING WPE

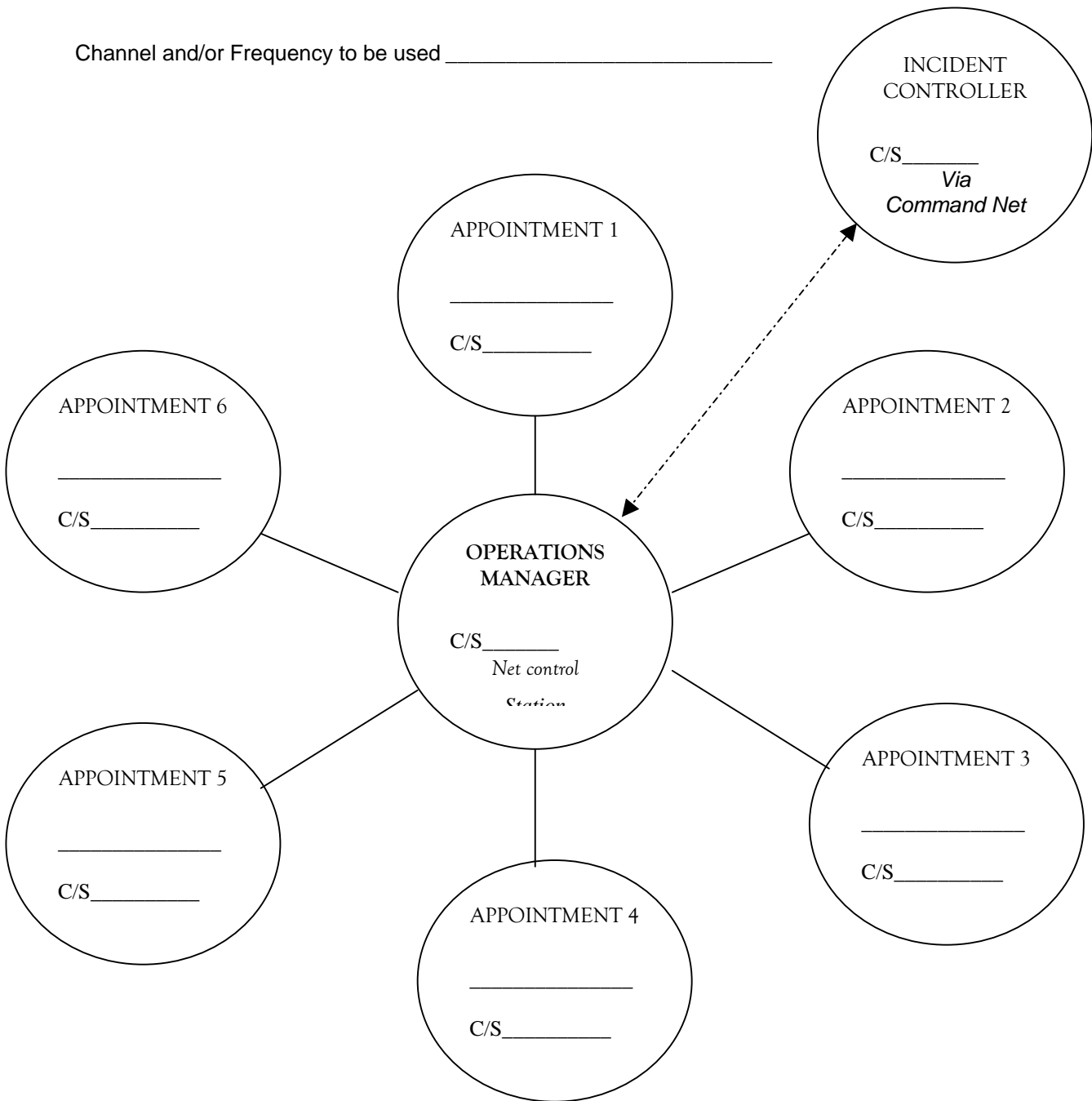
**NETWORK DIAGRAM – COMMAND NETWORK**

Channel and/or Frequency to be used \_\_\_\_\_



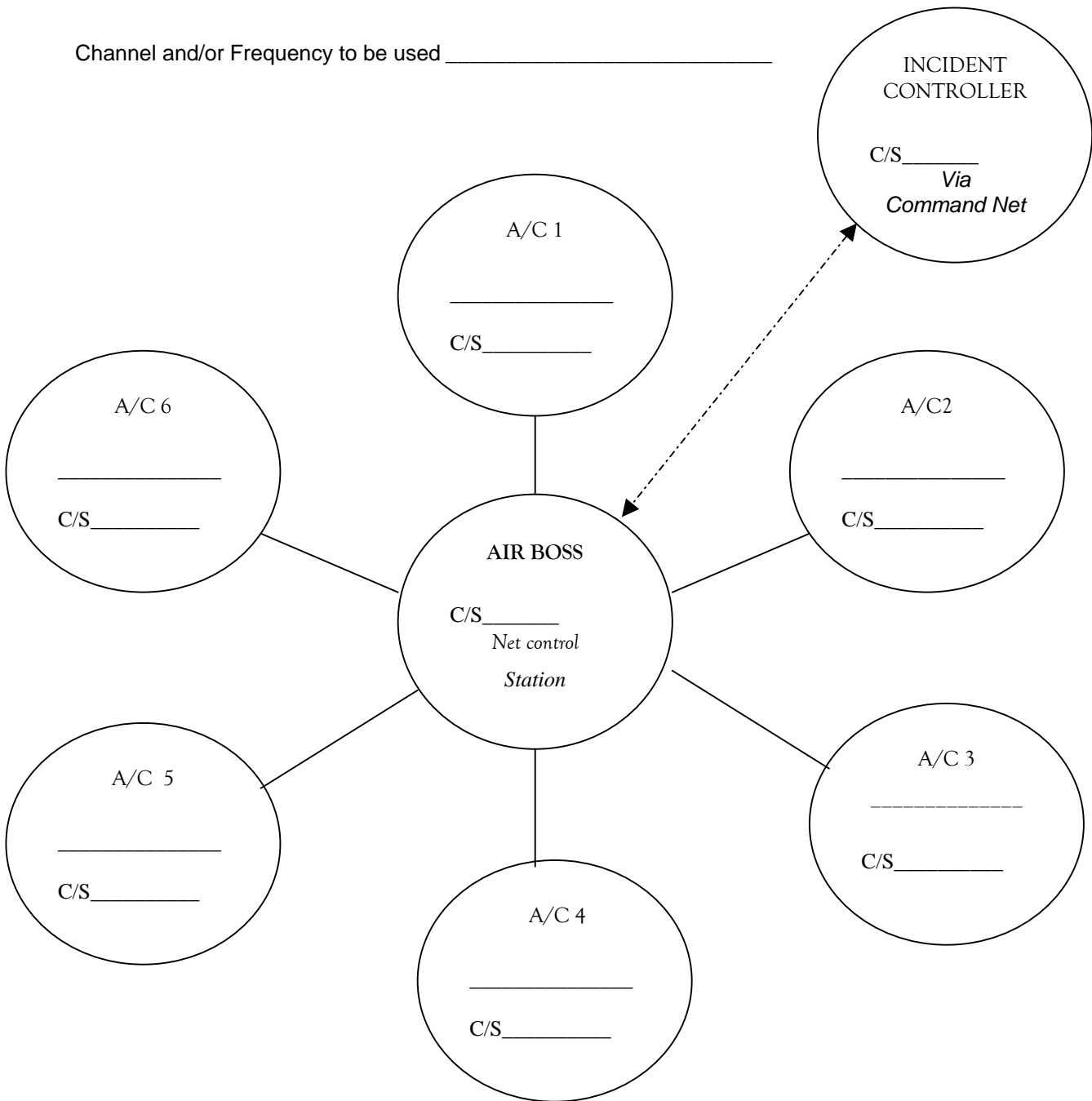
**NETWORK DIAGRAM – COORDINATION NETWORK**

Channel and/or Frequency to be used \_\_\_\_\_



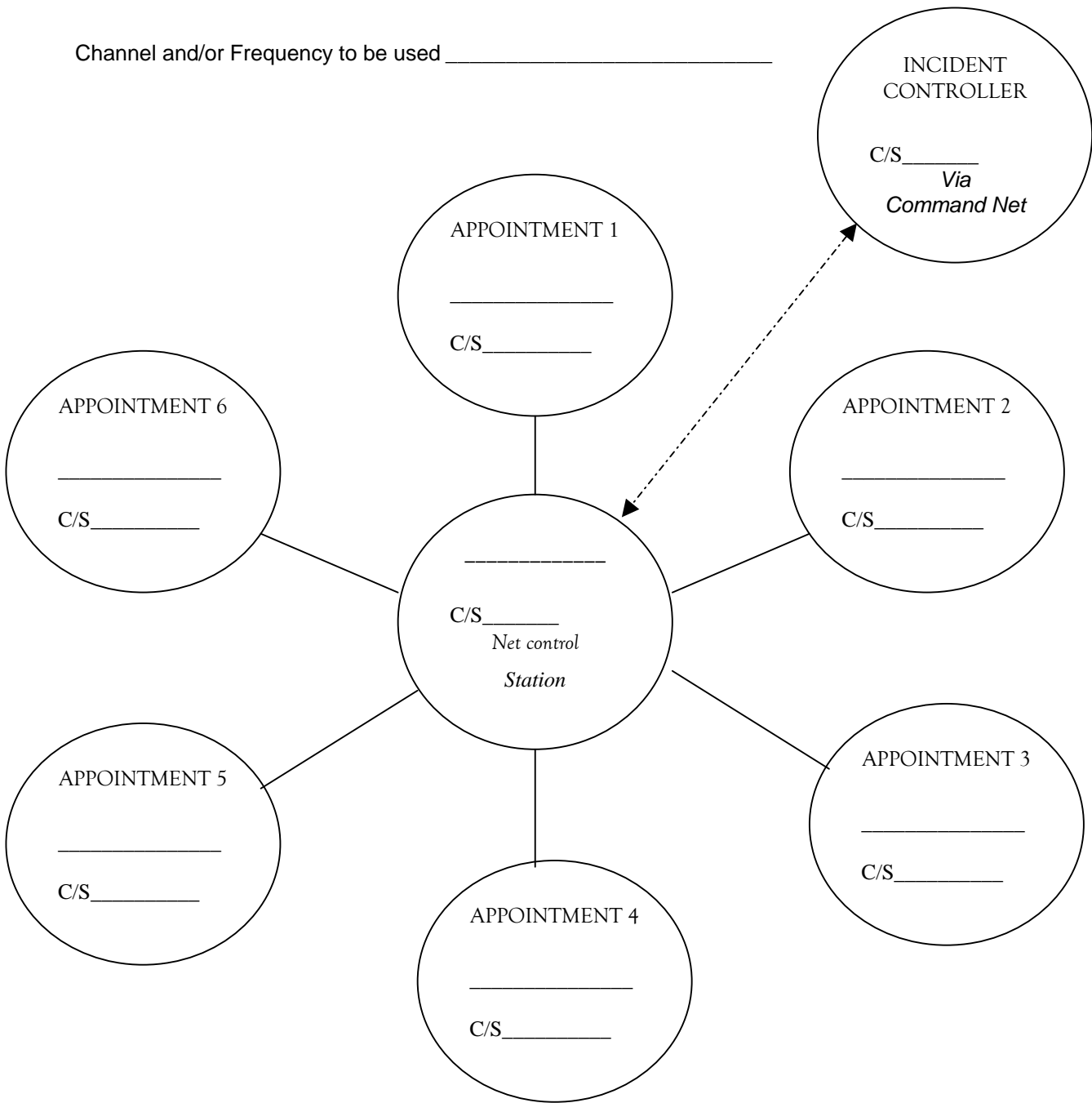
**NETWORK DIAGRAM – AIR OPERATIONS NETWORK**

Channel and/or Frequency to be used \_\_\_\_\_



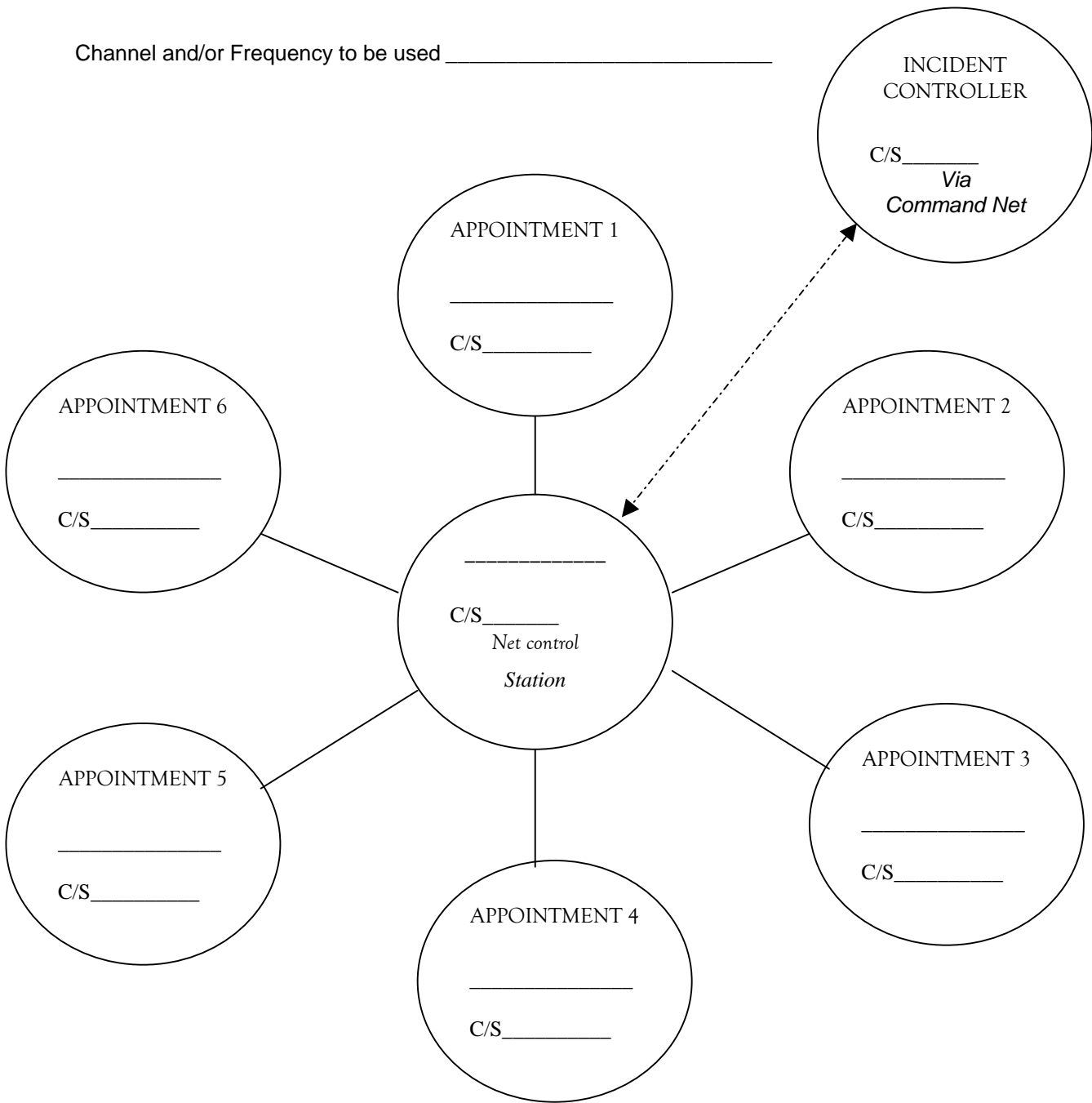
**NETWORK DIAGRAM – GENERAL NETWORK**

Channel and/or Frequency to be used \_\_\_\_\_



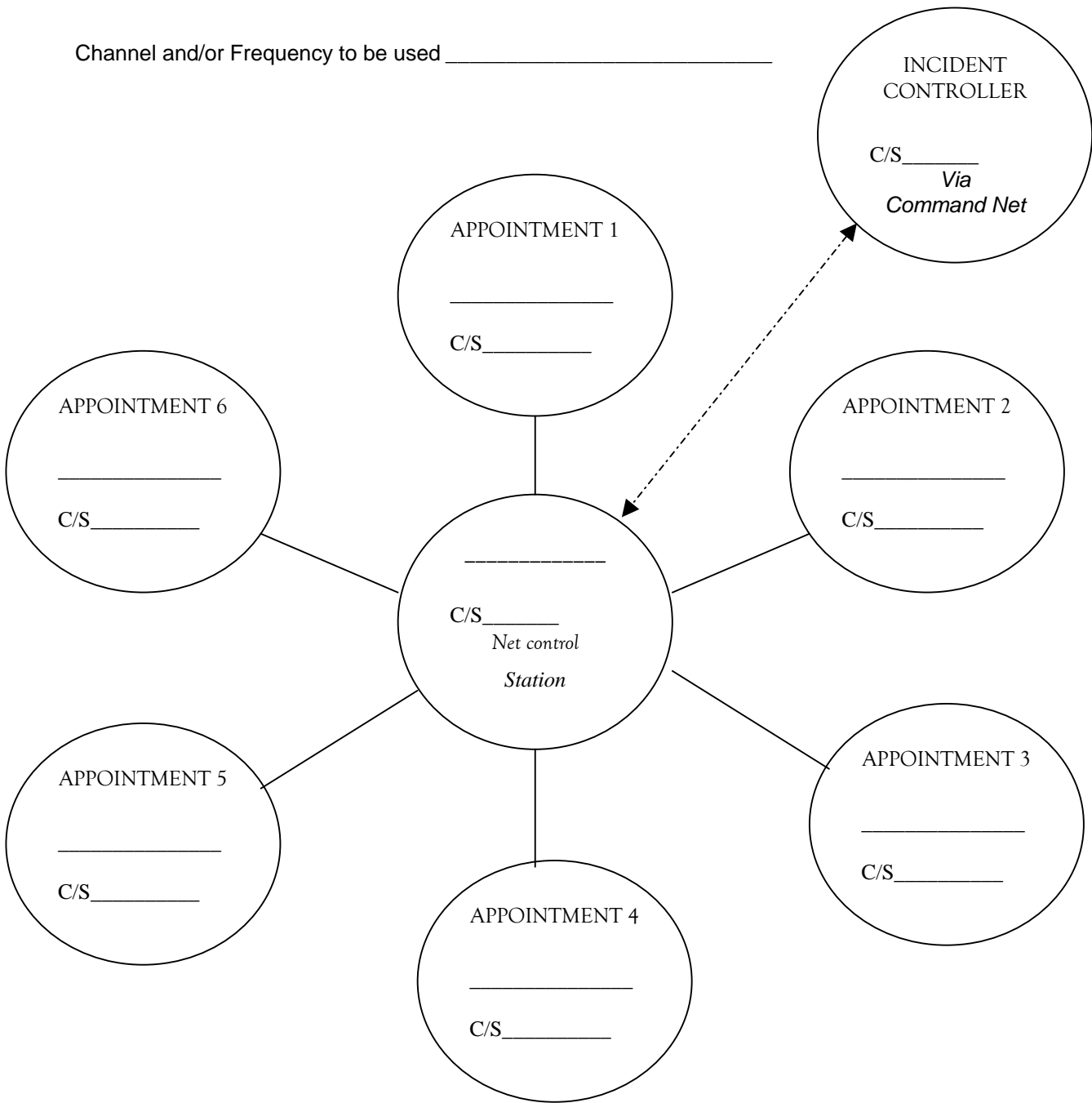
**NETWORK DIAGRAM – GENERAL NETWORK**

Channel and/or Frequency to be used \_\_\_\_\_



**NETWORK DIAGRAM – GENERAL NETWORK**

Channel and/or Frequency to be used \_\_\_\_\_



**APPENDIX 5    MAPS**

**ANNEX 13    AGREEMENTS,    MEMORANDUMS    OF  
UNDERSTANDING AND STATEMENTS OF  
INTENT**