

## Invitation to Tender for Aerial Firefighting Services 2019+

### APPENDIX 1: Table of Services

(Services available for tender)

**NOTE:** It is possible that NAFC will NOT proceed with all Services listed, it is also possible that NAFC may proceed with multiple contracts for any Service listed.

This will depend on Members requirements, suitability of services offered, prices tendered, and available funds.

See Location and Service Notes on the separate worksheets via the tabs at the bottom of the page

Service ID	Contract type (Note 1)	Availability (Note 2)	Brief Service Description (Note 3)	Airframe (Note 4)	Aircraft Type	General area of NOB as in original ITT (Note 5)	Firebombing Delivery System (Note 6)	Passenger Carriage (Note 7)	Fuelling (Note 8)	Service Period (Note 9)	Indicative timing of Service Period (Note 10)	Specimen Contract schedules (Note 11)	Additional Information
FW19301	Primary	Absolute	Firebombing	FIXED WING	Type 4	Wimmera/Mallee area, Victoria (Note A)	Tank	N/A	Wet-B	14 Weeks	Mid-Nov to March	Schedule A	
FW19302	Primary	Absolute	Firebombing	FIXED WING	Type 4	Wimmera/Mallee area, Victoria (Note A)	Tank	N/A	Wet-B	14 Weeks	Mid-Nov to March	Schedule A	
FW19303	Primary	Absolute	Firebombing	FIXED WING	Type 4	Wimmera/Mallee area, Victoria (Note A)	Tank	N/A	Wet-B (Note 16)	4 weeks	Oct to Nov	Schedule A	May dovetail with summer services (Note 14) Mixing and Loading Services (required) (Note 15 and 16)
FW19304	Primary	Absolute	Firebombing	FIXED WING	Type 4	Wimmera/Mallee area, Victoria (Note A)	Tank	N/A	Wet-B (Note 16)	4 weeks	Oct to Nov	Schedule A	May dovetail with summer services (Note 14) Mixing and Loading Services (required) (Note 15 and 16)
FW19305	Primary	Absolute	Firebombing	FIXED WING	Type 4	Wimmera/Mallee area, Victoria (Note A)	Tank	N/A	Wet-B (Note 16)	4 weeks	Oct to Nov	Schedule A	May dovetail with summer services (Note 14) Mixing and Loading Services (required) (Note 15 and 16)
FW19306	Primary	Absolute	Firebombing	FIXED WING	Type 4	Wimmera/Mallee area, Victoria (Note A)	Tank	N/A	Wet-B (Note 16)	4 weeks	Oct to Nov	Schedule A	May dovetail with summer services (Note 14) Mixing and Loading Services (required) (Note 15 and 16)
FW19307	Primary	Absolute	Firebombing	FIXED WING	Type 4	South West area, Victoria (Note B)	Tank	N/A	Wet-B	14 Weeks	Mid-Nov to March	Schedule A	
FW19308	Primary	Absolute	Firebombing	FIXED WING	Type 4	South West area, Victoria (Note B)	Tank	N/A	Wet-B	14 Weeks	Mid-Nov to March	Schedule A	
FW19309	Primary	Absolute	Firebombing	FIXED WING	Type 4	South West area, Victoria (Note B)	Tank	N/A	Wet-B	14 Weeks	Mid-Nov to March	Schedule A	
FW19310	Primary	Absolute	Firebombing	FIXED WING	Type 4	South West area, Victoria (Note B)	Tank	N/A	Wet-B	14 Weeks	Mid-Nov to March	Schedule A	
FW19311	Primary	Absolute	Firebombing	FIXED WING	Type 4	Alpine / East Gippsland area, Victoria (Note C)	Tank	N/A	Wet-B	14 Weeks	Mid-Nov to March	Schedule A	
FW19312	Primary	Absolute	Firebombing	FIXED WING	Type 4	Alpine / East Gippsland area, Victoria (Note C)	Tank	N/A	Wet-B	14 Weeks	Mid-Nov to March	Schedule A	
FW19313	Primary	Absolute	Firebombing	FIXED WING	Type 4 (Note 12)	Alpine / East Gippsland area, Victoria (Note C)	Tank	N/A	Wet-B	14 Weeks	Mid-Nov to March	Schedule A	Self fill (OPTIONAL) (Note 12)
FW19314	Primary	Absolute	Firebombing	FIXED WING	Type 4 (Note 12)	Alpine / East Gippsland area, Victoria (Note C)	Tank	N/A	Wet-B	14 Weeks	Mid-Nov to March	Schedule A	Self fill (OPTIONAL) (Note 12)
FW19315	Primary	Absolute	Firebombing	FIXED WING	Type 4	North East area, Victoria (Note E)	Tank	N/A	Wet-B	14 weeks	Mid-Nov to March	Schedule A	
FW19316	Primary	Absolute	Firebombing	FIXED WING	Type 4 (Note 12)	North East area, Victoria (Note E)	Tank	N/A	Wet-B	14 Weeks	Mid-Nov to March	Schedule A	Self fill (REQUIRED) (Note 12)
FW19317	Primary	Partial	Firebombing	FIXED WING	Type 4	Western Victoria (Note G)	Tank	N/A	Wet-B	14 Weeks	Mid-Nov to March	Schedule A	

Service ID	Contract type (Note 1)	Availability (Note 2)	Brief Service Description (Note 3)	Airframe (Note 4)	Aircraft Type	General area of NOB as in original ITT (Note 5)	Firebombing Delivery System (Note 6)	Passenger Carriage (Note 7)	Fuelling (Note 8)	Service Period (Note 9)	Indicative timing of Service Period (Note 10)	Specimen Contract schedules (Note 11)	Additional Information
FW19318	Primary	Partial	Firebombing	FIXED WING	Type 4	Western Victoria (Note G)	Tank	N/A	Wet-B	14 Weeks	Mid-Nov to March	Schedule A	
FW19319	Primary	Partial	Firebombing	FIXED WING	Type 4	Eastern Victoria area (Note H)	Tank	N/A	Wet-B	12 Weeks	Mid-Nov to March	Schedule A	
FW19320	Primary	Partial	Firebombing	FIXED WING	Type 4	Eastern Victoria area (Note H)	Tank	N/A	Wet-B	12 Weeks	Mid-Nov to March	Schedule A	
FW19321	Primary	Absolute	AAS platform & Reconnaissance	FIXED WING	conventional	South West area, Victoria (Note B)	N/A	Required	Wet-B	14 weeks	Mid-Nov to March	Schedule B & C	High wing (preferred) Specialist Intelligence gathering equipment (PREFERRED) (Note 13)
FW19322	Primary	Partial	AAS platform & Reconnaissance	FIXED WING	conventional	East Gippsland, Victoria (Note C)	N/A	Required	Wet-B	12 Weeks	Mid-Nov to March	Schedule B	High wing (preferred)
FW19323	Primary	Absolute	AAS platform & Reconnaissance	FIXED WING	conventional	West/ South Gippsland, Victoria (Note D)	N/A	Required	Wet-B	14 weeks	Mid-Nov to March	Schedule B	
FW19324	Primary	Absolute	AAS platform & Reconnaissance	FIXED WING	conventional	North East area, Victoria (Note E)	N/A	Required	Wet-B	14 weeks	Mid-Nov to March	Schedule B	High wing (preferred) Minimum 6 Passengers (PCC>= 6)
FW19325	Primary	Absolute	AAS platform & Reconnaissance	FIXED WING	conventional	Western Victoria (Note G)	N/A	Required	Wet-B	14 weeks	Mid-Nov to March	Schedule B	High wing (preferred)
FW19326	Primary	Partial	AAS platform, Reconnaissance & Passenger Transport	FIXED WING	conventional	Central / Northern Country area and the lower elevations of the North East area, Victoria (Note F)	N/A	Required	Wet-B	12 Weeks	Mid-Nov to March	Schedule B	High wing (preferred) 6+ Passengers (PCC>= 6) (preferred)
FW19327	Primary	Absolute	Aerial Information Gathering	FIXED WING	conventional	Melbourne Area, Victoria (Note I)	N/A	Optional	Wet-B	12 Weeks	Mid-Nov to March	Schedule B & C	Specialist Intelligence gathering equipment (REQUIRED) (Note 13) High wing (preferred) Instrument Flight Rules (preferred)
FW19328	Primary	Partial	Passenger Transport	FIXED WING	conventional (twin engine)	Melbourne Area, Victoria (Note I)	N/A	Required	Wet-B	12 Weeks	Mid-Nov to March		Minimum 8 Passengers (PCC >=8) Instrument Flight Rules (required)
RW19801	Primary	Absolute	AAS platform & Reconnaissance	ROTARY WING	Type 3	Hughes / Batchelor Area, Northern Territory (Note J)	(Bucket) (optional)	Required	Wet-B	100 Days	Jun-Oct	Schedule B	

Location Notes

Note	Service Application	Note	Quick Reference
A	FW19301 FW19302 FW19303 FW19304 FW19305 FW19306	<b>Wimmera/Mallee area, Victoria</b> generally includes the BoM "Wimmera" and "Mallee" forecast areas. Any appropriate airfield in this area will be considered. Airfields with existing firebombing airbase infrastructure in this area include: Stawell, Linga	This note is provided as broad, general guidance only. Boundaries are not firm. Proposed NOBs outside the general areas listed will still be considered. BoM means Bureau of Meteorology. Refer to <a href="http://www.bom.gov.au">http://www.bom.gov.au</a> for forecast area maps
B	FW19307 FW19308 FW19309 FW19310 FW19321	<b>South West area, Victoria</b> generally includes the BoM "South West" forecast area, the western part of the "Central" forecast area and the southern part of the "Lower South East" district of South Australia. Any appropriate airfield in this area will be considered. Airfields with existing firebombing airbase infrastructure in this area include: Casterton, Mt Gambier (Sth Aust), Hamilton, Ballarat	This note is provided as broad, general guidance only. Boundaries are not firm. Proposed NOBs outside the general areas listed will still be considered. BoM means Bureau of Meteorology. Refer to <a href="http://www.bom.gov.au">http://www.bom.gov.au</a> for forecast area maps
C	FW19311 FW19312 FW19313 FW19314 FW19322	<b>Alpine / East Gippsland area, Victoria</b> generally includes the BoM "East Gippsland" forecast area, the southern part of the NSW "Snowy Mountains" forecast areas and the eastern portion of "North East" forecast area. Any appropriate airfield in this area will be considered. Airfields with existing firebombing airbase infrastructure in this area include: Benambra, Delegate (NSW), Mt Hotham, Marlo, Bairnsdale	This note is provided as broad, general guidance only. Boundaries are not firm. Proposed NOBs outside the general areas listed will still be considered. BoM means Bureau of Meteorology. Refer to <a href="http://www.bom.gov.au">http://www.bom.gov.au</a> for forecast area maps
D	FW19323	<b>West/South Gippsland area, Victoria</b> generally includes the BoM "West and South Gippsland" forecast area. Any appropriate airfield in this area will be considered. Airfields with existing firebombing airbase infrastructure in this area include: Latrobe Valley Airport	This note is provided as broad, general guidance only. Boundaries are not firm. Proposed NOBs outside the general areas listed will still be considered. BoM means Bureau of Meteorology. Refer to <a href="http://www.bom.gov.au">http://www.bom.gov.au</a> for forecast area maps
E	FW19315 FW19316 FW19324	<b>North East area, Victoria</b> generally includes the BoM "North East" forecast area and the south east part of the "Riverina" forecast area. Any appropriate airfield in this area will be considered. Airfields with existing firebombing airbase infrastructure in this area include: Mansfield, Corryong, Albury (NSW), Wangaratta	This note is provided as broad, general guidance only. Boundaries are not firm. Proposed NOBs outside the general areas listed will still be considered. BoM means Bureau of Meteorology. Refer to <a href="http://www.bom.gov.au">http://www.bom.gov.au</a> for forecast area maps
F	FW19326	<b>Central / Northern Country area, Victoria</b> generally includes the of the BoM "Northern Country" forecast area, "Northern Central" forecast are, and the southern part of the NSW "Riverina" forecast area. Any appropriate airfield in this area will be considered. Airfields with existing firebombing airbase infrastructure in this area include: Bendigo, Shepparton	This note is provided as broad, general guidance only. Boundaries are not firm. Proposed NOBs outside the general areas listed will still be considered. BoM means Bureau of Meteorology. Refer to <a href="http://www.bom.gov.au">http://www.bom.gov.au</a> for forecast area maps
G	FW19317 FW19318 FW19325	<b>Western Victoria</b> generally includes the area of Victoria West of Ballarat and Bendigo	This note is provided as broad, general guidance only. Boundaries are not firm. Proposed NOBs outside the general areas listed will still be considered.
H	FW19319 FW19320	<b>Eastern Victoria area</b> generally includes the area of Victoria East of the Hume Hwy and East of Pakenham	This note is provided as broad, general guidance only. Boundaries are not firm. Proposed NOBs outside the general areas listed will still be considered.

Location Notes

Note	Service Application	Note	Quick Reference
I	FW19327 FW19328	<b>Melbourne Area, Victoria</b> generally includes the metroplottian area of Melbourne and it surrounds	This note is provided as broad, general guidance only. Boundaries are not firm. Proposed NOBs outside the general areas listed will still be considered.
J	RW19801	<b>Hughes / Batchelor Area, Northern Territory</b> generally includes an area within 25 Kilometres of either Hughes Airfield or Batchelor Airfield	This note is provided as broad, general guidance only. Boundaries are not firm.

Service Notes

Note	Service Application	Note	Quick Reference
1	All	Refer to the ITT document for further detail on types of contract	<p><b>Primary Contract:</b> A contract where at least one Service Period is guaranteed in each year of the Contract period. Service Periods may be extended beyond the minimum length in any year.</p> <p><b>Secondary Contract:</b> A contract where a Service Period is only activated in any given year by advance notice to the Contractor. It is possible that no Service Periods will be activated during the life of the Contract. Service Periods, if activated, will be of the specified minimum length of time (unless otherwise agreed). Multiple Secondary contracts may be awarded for each defined Service (akin to “panel” style contracts).</p>
2	All	Refer to the ITT document for detail on types of Availability	<p><b>Absolute Availability:</b> During any Service Period the aircraft services are required to be immediately available during daylight hours (this effectively precludes the aircraft being used for work for other clients during that period). Generally Parallel to “Exclusive Use” in some other countries.</p> <p><b>Partial Availability:</b> The aircraft services are only required to be standing by, or to operate, at certain times during the Service Period as notified in advance to the Contractor. Normally this will coincide with periods of high fire risk or fire activity. In turn this may allow the Contractor more flexibility with crewing and the ability to utilise the aircraft or crew for other non-contract activities during lower fire risk periods.</p>
3	All	Main role(s) of Service. Other roles may be required. Note that the main role(s) determines which Schedule(s) of the Specimen Contract will apply.	
4	All	Refer NAFC Standards PR-001: Categorisation of Rotary-Wing Aircraft used for Firebombing Operations and PR-002: Categorisation of Fixed-Wing Aircraft used for Firebombing Operations, for definitions of aircraft types.	<p>See also Section 5.4 of Part A of the ITT document for information regarding how different aircraft types will be evaluated.</p> <p>In summary:</p> <ul style="list-style-type: none"> <li>* Where a particular type is specified, a “higher” type may be tendered but it will be evaluated as if it were the type specified in this Table.</li> <li>* Where more than one type is specified, tenders will be evaluated according to the actual type(s) tendered</li> </ul>
5	All	Refer to the ITT document for further detail on Nominated Operational Bases (NOB).	<p>A general area is provided. The tenderer may propose any suitable NOB within the general area specified. We recommended that the tenderer proposes the NOB from which they would most efficiently provide the Service.</p> <p>These general areas should not be read as having particular boundaries or as representing defined local government or other administrative regions. Boundaries are not firm and a suitable NOB could be located anywhere in the general area. Further guidance regarding locations for NOBs is provided in the accompanying Location Notes.</p>
6	All	Refer to the ITT document for more detail on delivery systems, and to NAFC Standard OPS-001: Approval of Firebombing Delivery Systems.	<p>“<b>Tank</b>” means a fixed tank or hopper.</p> <p>“(<b>Bucket</b>)” means a bucket provided as an ancillary capability (refer to the Specimen Contract, Schedule B).</p>
7	All requiring passenger carriage	For more detail on passenger carriage, refer to the ITT document and to NAFC Standard PR 003: Definition of Passenger Carrying Capability – Firefighting Aircraft. “Charter” equals the rules that CASA has in place at any point in time for non-scheduled carriage of passengers for hire and reward in small or large aircraft, as applicable.	<p>If passenger carriage is required, aircraft must have a Standard Airworthiness Certificate (or “dual” certificate, if applicable) and the Contractor must have Charter AOC for the aircraft.</p> <p>If passenger carriage is not required, a Special (e.g. Restricted or Experimental category) Airworthiness Certificate is normally acceptable.</p>
8	All	Refer to the ITT document and Contract definitions for more detail on refuelling requirements.	<p><b>Wet-A Hire:</b> The Contractor provides all fuel (and other consumables required for operation of aircraft) and provides <u>mobile self-contained</u> refuelling support.</p> <p><b>Wet-B Hire:</b> The Contractor provides all fuel (and other consumables), including at the NOB, but mobile refuelling facility is not required (but may be offered as a supplementary capability).</p> <p><b>Dry Hire:</b> The NAFC Member meets the cost of fuel. The Contractor is responsible for other consumables. Mobile fuel support is not required (but may be offered as a supplementary capability).</p>
9	All	Refer to the ITT document for more detail on Service Periods. This is the minimum length of Service Period in any contract year (or, in the case of Secondary Contracts, if a Service Period actually occurs).	

Note	Service Application	Note	Quick Reference
10	All	Provides indicative dates only to allow initial planning. Actual dates will be decided on a case-by-case and season-by-season basis and informed under the Notice Period terms and conditions.	
11	All	Indicates the Schedules in the Specimen Contract that apply to each Service.	Schedules 1 to 5 apply to all Services. Each of Schedules A to F in the Specimen Contract apply only to certain Services. This column specifies which of the Schedules A to F will apply to each Service listed. Schedule F only applies to "Wet-A" Services or where tenderers propose mobile refuelling services
12	FW19313 FW19314 FW19316	Self Fill	Refer to Column "Additional Information" as to whether the provision of a self-filling capability is required or optional. If required, tenderers must tender a self fill aircraft. If optional, tenderers can tender either a self fill aircraft or a conventional SEAT for this service, or both.
13	FW19321 FW19327	Specialist Intelligence gathering equipment	Refer to Column "Additional Information" as to whether the carriage and operation of a Specialist Intelligence Gathering (SIG) system is required or preferred. If required, tenderers must tender a Service with a SIG system. If preferred, tenderers may tender either a Service with a SIG system or just a conventional aircraft, or both. An SIG system would normally be provided through a gimbaled EO/IR camera, mapping / intelligence gathering software and video down link equipment. Proposals for this Service must include the supply and maintenance of the SIG equipment and downlinks. For further information regarding requirements of SIG platforms refer to Schedule C of the Specimen Contract Tenders for this Service must include comprehensive details of the proposed SIG system, and where required, details of arrangements for personnel to operate the equipment.
14	FW19303 FW19304 FW19305 FW19306	May dovetail with summer services	This Service has been identified as having the potential to dovetail with one or more others. Services that start early for spring harvest and cropping protection may be dovetailed with other Services that are likely to start later and could therefore have complementary Service Periods. If this occurs, there will not be an overlap of Service Periods however there may be a gap between the end of one Service Period and the commencement of the next. Refer to ITT document for more information regarding services that could possibly be "dovetailed".
15	FW19303 FW19304 FW19305 FW19306	Mixing and Loading Services	Tenders for this Service must also include proposals for airbase mixing and loading services. Mixing and loading services should include the mixing of fire retardant slurry and fire suppressant solutions to a high quality, the safe and efficient loading of these products into Type 4 SEAT aircraft at the Nominated Operational Base and, if tendered, at other locations with mobile mixing and loading equipment. Supply of water and retardant compound and suppressant concentrate would normally be arranged by Member agencies. Tenders proposing airbase mixing and loading facilities must include comprehensive details of the proposed facilities and staffing. Refer to ITT for further description of "Mixing and Loading".
16	FW19303 FW19304 FW19305 FW19306	Cropping / Harvest period Service	This Service is designed to address the risk of fires associated with spring harvest and cropping activities. While this Service would initially be located at one NOB, it may be expected to move its base location to an area of highest risk within the general area (refer Note 5 for more information about General Area). Tenderers must provide details of how they propose to supply NOB facilities as a moving base and what additional moving costs may be involved. This will include moving or accessing Wet-B fuel facilities, i.e. whilst the Service is designated as Wet-B (not Wet-A), fuelling at the new NOB will still need to be maintained.