



**Arizona State Forestry**

**2016**  
**Wildland Fire**  
**Radio Communications Guide**

#

A Guide for Cooperators of the AZSF

May 10, 2016 Version 1.1



## Arizona State Forestry (AZSF)

### 2016 Wildland Fire Radio Communications Guide

This 2016 AZSF Radio Communications Guide is a collection of two-way radio information that is specific to wildland fire fighting operations through cooperative agreement with Arizona State Forestry (AZSF). This guide is intended to define the operational use parameters of the AZSF Radio System and provide a listing of wildland fire initial attack radio frequencies. The AZSF operates a Statewide Wildland VHF-FM Two-Way Radio System for initial attack (IA) incidents within its jurisdiction. This system consists of 32 mountain top radio repeaters and many other non-repeated line of sight tactical channels to support initial attack incidents. Included in this guide is an AZSF Radio Network map. Additional frequencies can be found in the attached AZSF Radio Programming Guide containing the AZSF Radio System frequencies as well as many other wildland firefighting agencies frequencies. For larger scale events, and for incidents that have evolved into extended attack situations, Incident communications personnel, i.e. COML's, COMT's are usually assigned to incidents and a separate temporary radio system will normally be developed by Incident Communications personnel and could contain other radio frequencies not represented within this document.

The planning of initial attack radio channel usage and establishing partner agency frequencies into radios, in advance of incidents, strengthens preparedness. However, technology alone, no matter how expansive or advanced, is limited in its effectiveness unless it is exercised and tested regularly.

#### Use of the AZSF Radio Network

The use of the AZSF radio network by your agency for AZSF Incidents is supported through co-operative agreement between the AZSF and your department and pre-authorized under the authority of the FCC Rules Regulation Part 90, Sections 90.421 and Section 2.103, AND, by your submittal of the attached AZSF Radio Frequency Sharing Agreement if not previously completed. This plan includes the 2016 AZSF Wildland Fire Communications Radio Programming Guide of pre-approved AZSF radio frequencies for your use on AZSF incidents. Please disregard the radio frequency sharing agreement submittal request if you have previously submitted your sharing agreement. The AZSF frequency sharing agreements are considered a non-lapsing agreement until such time wherein a party can dissolve the aforementioned agreement.

While the AZSF recognizes the existence of many local jurisdiction two-way radio systems throughout Arizona, other wildland fire specific radio systems that should be given equal importance are identified the *2016 Southwest Area Wildland Fire Radio Frequency Interoperability Guide* available from the Southwest Interagency Coordination Center-SWCG –Communications section or the AZSF Communications Section, 1-800-309-7081 The Southwest Area radio guide contains mostly Federal wildland fire agency radio frequency information and can be provided to you through your agreement with the AZSF.

#### New for 2016

1. 2016 AZSF Radio Programming Guide: The AZSF has migrated to a single statewide radio programming guide for AZSF radio equipment consisting of 25 groups with 16 channels in each group. The AZSF statewide radio programming guide offers this statewide use concept for most all initial attack wildland incidents that could potentially occur in Arizona. It is recommended that your radio equipment contain at least the first 3 groups of the AZSF radio programming information as a minimum for cohesive statewide wildland responses for AZSF incidents. However, we encourage the use of the entire plan for statewide response to all initial attack wildland fire agency incidents. The AZSF Radio Programming Guide minimums are; **Group 1**- AZSF specific radio system, **Group 2** - Arizona Interagency Radio System and **Group 3**; Arizona Air-to-Ground frequencies for wildland fires in Arizona.
2. AIRS: Group 2 of the AZSF Radio Programming Guide includes the interoperability use of the Arizona Interagency Radio System (AIRS) for all-risk incidents which serves as a supplementary interoperability tool for all emergency response agencies for all risk incidents. Some basic AIRS information can be found at:

<https://pslib.casmnextgen.com/pslib/index.php/webview>. The AZSF encourages all emergency responder agencies to secure the AZDPS-Wireless System Bureau Interagency Services Agreement for AIRS usage in the event that the AZSF requests you to operate in its temporary interoperable use for wildland fire emergencies.

3. Use of VMED28 for Wildland Fire Medical: The SWCG (Southwest Wildland Fire Coordinating Group) consisting of wildland firefighting agencies in Arizona and New Mexico determined that the use of VMED28, (RX 155.3400 0.0 Tone, TX 155.340 156.7 Tone) is suggested to be used for all wildland related medical evacuations that are specific to wildland fire. Vmed28 is also contained in the AIRS group listing. (Group 2- Channel 8.) The continued use of VFIRE21 (154.280 tx/rx) for medical coordination and relief efforts is always an option as has been historically utilized and is currently utilized throughout Arizona.

### **AZSF Radio Communications Guide - Use Guidelines**

1. The 2016 AZSF Radio Communications Guide which includes the 2016 AZSF Radio Programming Guide is a guide to assist users in operating within the AZSF Radio System along with the Radio Programming Guide which is a carefully crafted frequency list and is suggested to be pre-programmed into all responder radios as an entire radio load to afford statewide coverage in the event your department is dispatched to an out of area response. Local policy will dictate radio channel/frequency assignments for an extended or beyond incident attack incident until an Incident Commander (IC) or Communications Unit Leader (COML) establishes the Incident Radio Communications Plan (ICS Form 205). The intent of this plan is to be used for initial attack incidents or until a formalized Incident Radio Communications Plan (ICS-205) can be developed for those incidents requiring more than an initial or extended incident in addition to other radio communications resources such as the pre-established 2016 Air-to-Ground radio frequency list which is also suggested to be pre-programmed in all responder radios.
2. The Incident Commander or, if assigned, the Communications Unit Leader is responsible for managing assigned radio channels/frequencies and must clear the use of local, state and federal frequencies with the controlling agencies prior to inclusion in an Incident Radio Communications Plan (ICS Form 205) with the exception of AZSF licensed frequencies as listed in this document.
3. Clear text (plain English) should be used for all communications. Standardized channel/frequency names should be stated, e.g., "VFIRE21," or "AZSF TAC 1."
4. When calling another unit/ICS position, the standard is to identify who you are calling first, followed by your call sign (e.g., "Sedona Engine 236", "Tucson Battalion 4" or "Division B, Strike Team 6"). Recognize that on large mutual aid incidents, there may be several units with the same radio ID. In those cases, the agency name should also be used (e.g., "State Engine 325, Daisy Mtn Engine 41").
5. Data communications (i.e., automated or push button status keeping systems) SHALL NOT be used outside the local agency's normal area of operation.
6. Radio programming that enables data signaling (e.g., push-to-talk identification) is prohibited on the AZSF radio network without advanced approval from the AZSF Communications Staff.
7. Vehicular repeater systems (mobile extenders) SHALL NOT be used outside the local agency's normal area of operation.
8. The use of gateways (including portable, mobile or fixed) shall be limited to the smallest geographical area of coverage to meet the temporary needs of the incident. Gateways shall only be used on channels/frequencies that are specifically licensed for that type of operation (e.g., temporary mobile relay) and must be specifically authorized based upon an approved Incident Radio Communications Plan (ICS Form 205), or be recognized as a fixed gateway as identified in the Arizona Interagency Radio System Priority Programming Guide.
9. Family Radio Service (FRS) radios are prohibited from use on Federal and State of Arizona incidents. Use of any non-public safety radio (e.g., FRS, etc.) or use of a frequency not identified on the Incident Radio Communications Plan (ICS Form 205) or identified within this AZSF Radio Communications Guide is prohibited on any incident unless approved by a COML.
10. The use of any frequency outside the agency's normal licensed area of operation is prohibited by FCC rules and will likely cause harmful interference to other users (e.g., Strike Teams using a local channel in a distant part of the state or in other State's).

**Additional radio use information to consider:**

- Enhanced use of CTCSS or Tones – Channel Guard, Tone, PL Tone or Code Guard are all manufacture's terms describing the same thing for the common use of CTCSS, (Carrier Tone Coded Squelch System). CTCSS is a pre-defined set of nationally recognized and engineered set of sub-audible secondary sub-frequencies that are becoming more widely implemented by member agencies. Some uses of CTCSS tone include: transmit tone only, tone on both transmit AND receive, and, in some cases, may or could be a different tone between transmit and receive. While some agency frequencies do not use CTCSS tones at all, other agency frequencies must have the appropriate CTCSS tones applied as noted otherwise radio communications issues may occur. The implementation of CTCSS tones are not selected at random but rather are implemented using technical algorithms and applied as needed by agency communications professionals. Radio user training should include the importance and correct use of CTCSS on your radio and never be added to radio frequencies unless specified by COML's, COMT's or other radio communications frequency managers or radio professionals and or as identified on authorized communications plans
- **New for 2016 for AZSF** -Use of Tone Picking Option on all AZSF Bendix-King radios. The AZSF has enabled the tone-pick option, or User Code Guard select feature on all AZSF mobile and portable radios. This User Code Guard feature or (tone pick option feature) is a critical component of the 2016 AZSF Radio Programing Guide. Selecting the appropriate code guard from the tone pick list is essential to safe and effective radio communications AND the appropriate tone is equally as important as selecting the proper frequency. Additional training is suggested on where, when and how to select the appropriate code guard (tone) for the proper channel. Please feel free to contact the AZSF Radio Communications Staff additional training or questions about BendixKing User Code Guard Select features.
- Air Guard use – Most agencies follow the prescribed standards for Air Guard being the last channel on a group of frequencies, usually on channel 16 on each group for radios that are configured for 16 channels per group. This prescribed standard of an AIRGUARD channel was developed so that in the event of an emergency a user could turn the radio channel knob to the last channel and place an emergency call without looking and searching for an emergency channel. AIR GUARD can be used for: Air-to-Air emergency contact and coordination, Ground-to-Air emergency contact, Initial call, recall, and re-direction of aircraft when no other contact frequency is available. Tx/Rx168.625 tx pl tone only- 110.9- there is not pl tone on the receive.
- Air-to-Ground Frequencies – Arizona wildland fire agencies have pre-defined air to ground frequencies established for the specific purpose of communicating between initial attack aircraft and ground firefighting resources operating within geographic areas. Please reference the 2016 Southwest Area Wildland Fire Radio Frequency Interoperability Guide to ensure that you are using the correct air to ground frequency for the given area or which can be found as an attachment to this document.
- Radio Use Training – Annual end-user radio communications refresher training should be completed prior to fire season and include some radio communications basics such as; repeater use, tactical, line of sight, air to ground use, air guard use, command channel, ICS205, 204's & CTCSS-pl tone use. The AZSF radio use refresher training course outline is available by contacting the AZSF Communications Section, 1-800-309-7081.
- Annual Radio Equipment Maintenance Inspection Checks - Mobile and Portable two-way radios require yearly maintenance checks to ensure that electronic devices are operating at peak efficiencies, remain reliable and conform to FCC and agency standards. If your mobile or portable radio has not been inspected by a radio communications professional in more than a year, even though it appears to be functionally correctly, then it probably should be scheduled for a maintenance check. Consult your agency Communications Section for further guidance.
- Wildland Firefighter Safety Memo- Communications - In August 2013, the NMAC-National Multi-agency Coordinating Group established a firefighter safety memo which addresses radio frequency misuse; <http://www.nifc.gov/nicc/administrative/nmac/NMAC2013-7RadioFrequency.docx>.

Please feel free to contact the AZSF Communications Section at [communications@azsf.gov](mailto:communications@azsf.gov) or 1-800-309-7081. We look forward to working with you and wish you success in your communications use.

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Attachments contained within this document:

1. AZSF Radio Repeater Location Network Map
2. 2016 Radio Programing Guide
3. Southwest Area- Wildland fire – pre-established air to ground frequencies for 2016
4. 2016 SWCG Memo on wildland use of VMED28
5. AZSF Radio Frequency Sharing Agreement- (*print, sign and return* )



# Arizona Dispatch Center

## VHF-FM Two-Way Radio Network-Repeater Locations-Primary Frequencies

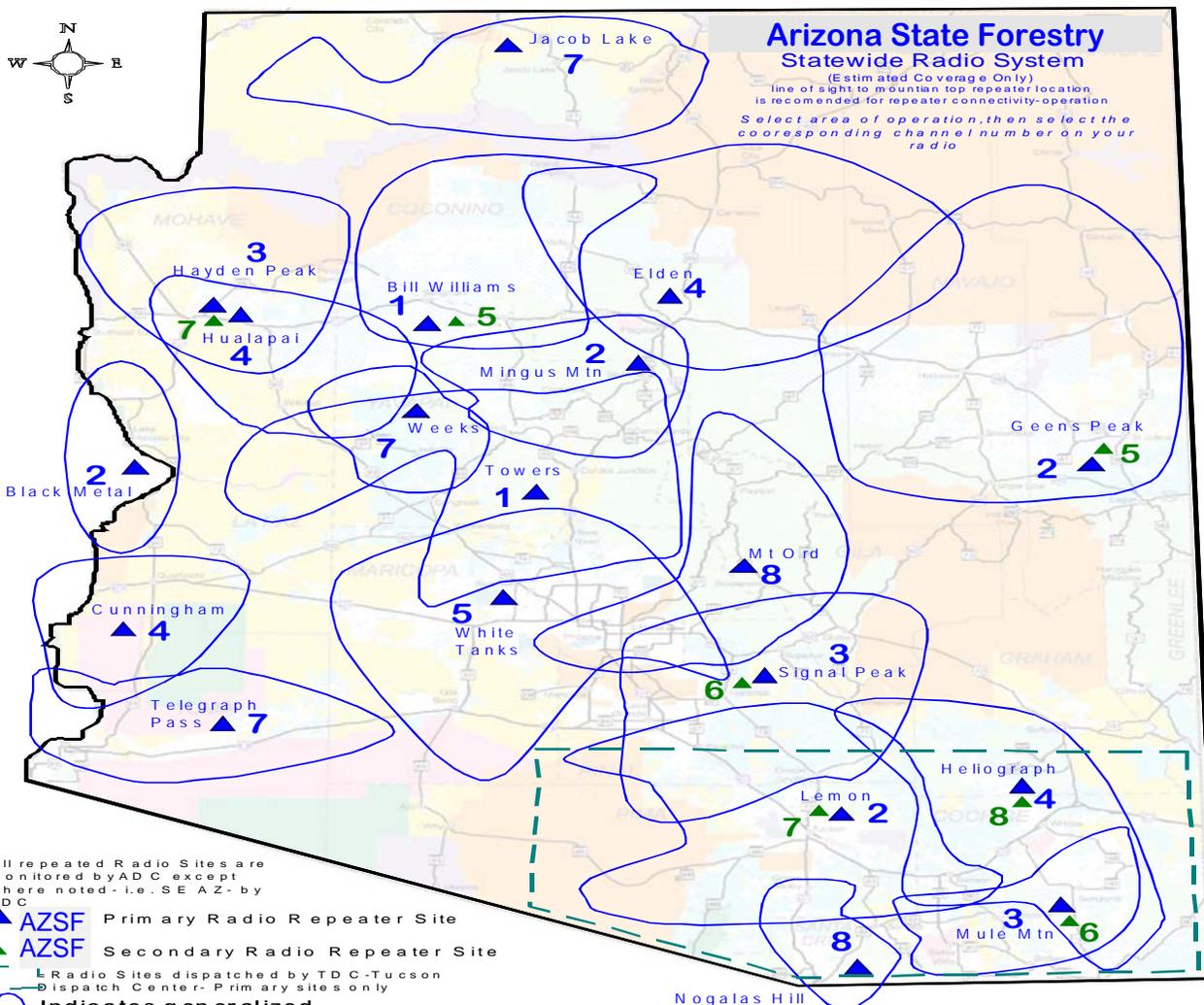


### 1-800-309-7081

### Radio Network - 2016

### 1-800-309-7081

	Channel Configuration	Channel Name/Trunked Radio System-Talkgroup	Eligible Users	RX Freq N or W	RX CTCSS/Tone/NAC	TX Freq N or W	Tx CTCSS/Tone/NAC	Mode A, D or M	Remarks
1	Repeater	AZSF RPT 1	Fire/Admin	151.4000 (N)	162.2	159.4050 (N)	162.2	A	Williams-TowersMtn
2	Repeater	AZSF RPT 2	Fire/Admin	151.4150 (N)	123.0	159.4350 (N)	123.0	A	Mingus-Greens-Lemon-BlackMetal
3	Repeater	AZSF RPT 3	Fire/Admin	151.4150 (N)	162.2	159.4350 (N)	162.2	A	Hayden-Signal-Mule
4	Repeater	AZSF RPT 4	Fire/Admin	151.4000 (N)	123.0	159.4050 (N)	123.0	A	Elden-Heliograph-Cunningham-Heliograph
5	Repeater	AZSF RPT 5	Fire/Admin	154.6950 (N)	103.5	153.8750 (N)	103.5	A	Williams2-WhiteTanks-GreensPeak2
6	Repeater	AZSF RPT 6	Fire/Admin	154.6950 (N)	103.5	153.8750 (N)	131.8	A	SignalPeak2-MuleMtn2
7	Repeater	AZSF RPT 7	Fire/Admin	154.8600 (N)	114.8	153.8750 (N)	114.8	A	JacobLake-HualapaiMtn2-Weeks Ranch-TelegraphPass-Lemon2
8	Repeater	AZSF RPT 8	Fire/Admin	154.8600 (N)	114.8	153.8750 (N)	103.5	A	MtOrd-Heliograph2-NogalesHill
9	Tactical	VFIRE21	All-Risk	154.2800 (N)	0	154.2800 (N)	0	A	AIRS VFIRE21 (fie mutual aid) Tactical line of sight use- not monitored by dispatch
10	Tactical	AZSF Tac 1	Fire	159.3300 (N)	131.8	159.3300 (N)	131.8	A	Tactical line of sight use- not monitored by dispatch
11	Tactical	AZSF Tac 2	Fire	159.4500 (N)	123.0	159.4500 (N)	123.0	A	Tactical line of sight use- not monitored by dispatch
12	Tactical	AZSF Tac 3	Fire	159.2400 (N)	173.8	159.2400 (N)	173.8	A	Tactical line of sight use- not monitored by dispatch
13	Tactical	AZSF Tac 4	Fire	159.2850 (N)	151.4	159.2850 (N)	151.4	A	Tactical line of sight use- not monitored by dispatch
14	Tactical	AZSF Tac 5	Fire	151.1750 (N)	136.5	151.1750 (N)	136.5	A	Do not use in NE Az. Tactical line of sight use- not monitored by dispatch
15	Tactical	State Flight Follow	Fire	154.9350 (N)	0	154.9350 (N)	110.9	A	Statewide coverage-6 sites on Voter
16	Tactical	Air Guard	Fire	168.6250 (N)	0	168.6250 (N)	110.9	A	Nationwide Air Guard



\*Radio Coverage is not guaranteed nor implied but rather a generalized graphical representation of possible coverage using a 40 watt mobile radio

# Arizona State Forestry 2016 Radio Programing Guide (Instructions for use)

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## Introduction

This document is a collection of Arizona based dedicated wildland fire agency radio frequency communications information based upon Resource Availability Worksheets (ICS217A's) (Frequency Lists) that are intended to be used as a reference guide to assist radio communications personnel in programing current and accurate partner agency radio frequency data into radios.

The AZSF 2016 Radio Programing Guide are pre-authorized for your use if your agency has an established AZSF Radio Frequency Sharing Agreement in which, your agency becomes a response agency through cooperative agreement through Arizona State Forestry. The frequency information contained in this guide is a representation of best available frequency data and is not guaranteed nor implies to be accurate. It is suggested that frequency info presented here should be confirmed by each wildland fire agency and the appropriate radio frequency sharing agreements be completed to ensure compliance with FCC rules and regulations.

Because different radio makes and models have different capabilities and limitations, we recognize that the information contained in these templates cannot be programmed identically in all radios but it is suggested to program the minimum radio frequency information as provided in Group 1 thru 3 in this document.

## Purpose

This purpose of this guide is to share best available dedicated wildland fire agency radio programing information intended for radio system managers and technicians responsible for designing and programming partner agency and interoperability radio frequency information for public safety radios in their area. The content presented in this guide is based on FCC and NTIA regulations, the National Interoperability Field Operations Guide (NIFOG), and the APCO/NPSTC Standard Channel Nomenclature; and uses the Communications Resource Availability Worksheet (ICS Form 217A, revised 3/2007) as the standard form for presenting data. This is also supplemented by the attached Radio Frequency Sharing Agreement which is the basis to use the frequencies identified in the AZSF Radio Programing Guide for emergency communications between agencies.

## How to Use this Tool

This guide is intended to help technicians to program radios. The template in this guide is consistent with FCC and NTIA rules and regulations and the NPSTC Standard Channel Nomenclature. This document does not address every issue that jurisdictions may face when seeking to program radios. Programming should be customized to the capability or resource for which they are established and should consider unique characteristics of specific agencies and or participating jurisdictions.

1. Understand the licensing or authorization requirements for channel usage (maritime, aviation, LMR, etc.; channels assigned to you for a specific geographical area vs. shared mutual aid and nationwide interoperability channels)
2. Review any existing local and regional communications policies, tactical communications interoperability plans and programming guides.

## **Important Note:**

**This guide is based upon a specific manufacture BendixKing portable and mobile radio configuration consisting of 24 groups with 16 channels per group. This guide is also dependent upon the use of "user selectable tone enabling" per channel. This is an option wherein the user is required to select the appropriate "tone" or user code value as listed in the "tone pick list" for the respective group that is enabled for user selectable code guard (tone enabling).**

Questions about this document can be directed to: [communications@azsf.gov](mailto:communications@azsf.gov) or 1-800-309-7081.

## Arizona State Forestry (AZSF) Radio Programing Guide 2016

### Arizona State Forestry (AZSF) Radio Channel Summary Version 3d, May 12, 2016

<< Bendix King DPH Handheld and DMH Mobile Radio Channel Summary >>																	
GROUP 1	2	3	4	5	6	7	8	9	10	11	12	13					
CHANNEL	AZSF ADMIN Statewide	Arizona AIRS	SWCC AZ Zone AirGround	AZSF Statewide Initial Attack	FLAG PFAC South	FLAG PFAC North	CHANNEL	FLAG WFAC	NorthEast District Initial Attack	USFS Apache/Sitgraves	Tone	Apache County FD's	Apache County FD's	SouthEast District Initial Attack	USFS Coronado CNF	Tone	CHANNEL
1	AZSFRPT1	VAIRS 1	AZA/G 04	AZSFRPT1	EPOCKETN	ELDEN N	1	S KAIBAB	AZSFRPT2	APACHE	15	DISPATCH	610 IC	AZSFRPT2	CNF RPTS	CH	1
2	AZSFRPT2	VAIRS 2	AZA/G 17	AZSFRPT2	EPOCKETS	OLEARY N	2	BWILLIAMS	AZSFRPT4	APACHE R	CH	PFD LSFD	ALPNE481	AZSFRPT3	FS TAC 1	15	2
3	AZSFRPT3	VAIRS 3	AZA/G 26	AZSFRPT3	SCHNBLYS	EPOCKETN	3	REDHIL S	VAIRS 4	SITGREAV	15	SLFD 300	CONCH417	AZSFRPT4	FS TAC 2	15	3
4	AZSFRPT4	VAIRS 4	AZA/G 27	AZSFRPT4	MINGUS S	HUTCH N	4	REDBUTES	VFIRE 21	SITGREVR	CH	LINDENFD	GRER770	CMA 2	FS TAC 3	15	4
5	AZSFRPT5	VAIRS 5	AZA/G 32	AZSFRPT5	SED RPT3	SADDLE N	5	FIRE HOPI	VTAC 11	ENGINEER	15	WMLAKEFD	NUTRI420	VFIRE 21	VFIRE 21	15	5
6	AZSFRPT6	SAR NFM	AZA/G 33	AZSFTAC1	AZSFRPT4	AZSFRPT4	6	AZSFRPT1	AZSFTAC1	GILANRTH	15	WMATHOND	RV 285	AZSFTAC1	AZSFTAC1	9	6
7	AZSFRPT7	VFIRE 21	AZA/G 34	AZSFTAC2	FS TAC 1	FS TAC 1	7	FS TAC 1	AZSFTAC2	FTAPACHE	15	PINETOP	STJOHN462	AZSFTAC2	AZSFTAC2	0	7
8	AZSFRPT8	VMED 28	AZA/G 41	VFIRE 21	FS TAC 2	FS TAC 2	8	FS TAC 2	AZSFTAC3	FS TAC 1	15	HEBER	VERN 231	FS TAC 1	AZSFTAC3	10	8
9	VFIRE 21	VLAW 31	AZA/G 44	VTAC 12	FS TAC 3	FS TAC 3	9	FS TAC 3	FS TAC 1	FS TAC 2	15	SHOWLOW	PV 795	FS TAC 2	AZSFTAC4	11	9
10	AZSFTAC1	VCALL 10	AZA/G 47	FS TAC 1	VFIRE 21	VFIRE 21	10	VFIRE 21	FS TAC 2	FS TAC 3	15	P LS TAC	AZSFTAC1	FS TAC 3	BLMTAC 1	15	10
11	AZSFTAC2	VTAC 11	AZA/G 56	BLMTAC 1	VFIRE 22	VFIRE22	11	VFIRE 22	FS TAC 3	AZSFRPT2	0	TAYLOR	AZSFTAC2	BLMTAC 1	BLMTAC 2	15	11
12	AZSFTAC3	VTAC 12	AZA/G 60	AZA/G 32	SED TAC5	VFIRE23	12	VFIRE 23	VFIRE 21	AZSFTAC1	0	AZSFRPT2	VFIRE 21	BLMTAC 2	VTAC 12	0	12
13	AZSFTAC4	VTAC 13	AZA/G 61	AZA/G 34	VAIRS 2	VAIRS 2	13	VAIRS 2	AZA/G 34	AZA/G 34	15	APACHE R	AZSFRPT2	AZA/G 32	AZA/G 32	0	13
14	AZSFTAC5	VTAC 14	AZA/G 64	AZA/G 60	AZA/G 33	AZA/G 33	14	AZA/G 64	AZA/G 47	AZA/G 47	15	VFIRE 21	VTAC 12	AZA/G 41	AZA/G 41	0	14
15	AZSF FF	VTAC 36	VMED 28	AZA/G 64	AZSFTAC3	AZSFTAC3	15	AZSFTAC3	AZA/G 26	AZA/G 26	15	AZA/G 34	AZA/G 34	AZA/G 56	AZA/G 56	0	15
16	AIRGUARD	AIRGUARD	AIRGUARD	AIRGUARD	AIRGUARD	AIRGUARD	16	AIRGUARD	AIRGUARD	AIRGUARD	0	AIRGUARD	AIRGUARD	AIRGUARD	AIRGUARD	0	16
GROUP 1	2	3	4	5	6	7	8	9	10	11	12	13					

<< Bendix King DPH Handheld and DMH Mobile Radio Channel Summary >>																	
GROUP 14	15	16	17	18	19	20	21	22	23	24	25						
CHANNEL	SouthEast District Local FD's	Central District Initial Attack	USFS Tonto TNF	Tone	BLM Phoenix	Tone	BLM Yuma	Phoenix Fire Dept A Deck	CHANNEL	Payson/ Mesa Fire Depts	NorthWest District Prescott Office	Tone	NorthWest District Yavapai East	BLM Kingman	Weather	Incident Cloning	CHANNEL
1	AZSFRPT2	AZSFRPT3	TNFFIRE1	CH	BLM PHX	CH	TELGRAPH	PFD A1	1	PAYSONFD	AZSFRPT1	10	CTWD ALM	HAYDENPK	WX-1		1
2	VFIRE 21	AZSFRPT4	TNFFIRE2	CH	BLMTAC 1	15	CUNIGHAM	PFD A2	2	PYSN RPT	AZSFRPT2	3	COF SQWS	BLCKMETL	WX-2		2
3	AZSFTAC1	AZSFRPT5	VFIRE 21	15	BLMTAC 2	15	BLACKMTN	PFD A3	3	HGATE T5	VFIRE 21	15	PNF SQWU	CUNIGHAM	WX-3		3
4	KEARNEY	AZSFRPT7	FS TAC 1	15	BLMCRW1	15	BLAKMETL	PFD A4	4	HGATE T6	AZSFTAC1	0	VAIRS 5	GRENWOOD	WX-4		4
5	FT HUACH	VFIRE 21	FS TAC 2	15	TNFFIRE1	CH	OATMANLE	PFD A5	5	PINESTRW	AZSFTAC3	11	VFIRE 21	CRISMTR	WX-5		5
6	SONOITA	VTAC 11	FS TAC 3	15	TNFFIRE2	CH	SMITH PK	PFD A6	6	GLOBE	PNF RPTS	CH	FS TAC 1	PERKINS	WX-6		6
7	PORTAL	AZSFTAC1	AZSFRPT3	0	FS TAC 1	15	CRISMTR	PFD A7	7	TRI CITY	FS TAC 1	15	FS TAC 2	BLMTAC 1	WX-7		7
8	PATGONIA	AZSFTAC2	AZSFRPT8	0	VFIRE 21	0	FIRETAC1	PFD A8	8	CANYON	FS TAC 2	15	FS TAC 3	BLMTAC 2	VFIRE 21		8
9	ARIVACA	AZSFTAC3	AZSFTAC1	0	AZSFRPT3	0	FIRETAC2	PFD A9	9	VFIRE 21	PRCCALM1	6	AZSFRPT1	VAIRS 4	VFIRE 22		9
10	3 POINTS	FS TAC 1	AZSFTAC2	0	AZSFRPT5	0	AZA/G 34	PFD A10	10	RURAL 2	PFD CMD 2	6	AZSFRPT2	VFIRE 21	VMED 29		10
11	DUDLEY	BLMTAC 1	BLM PHX	CH	AZSFTAC1	4	VFIRE 21	PFD A11	11	RURAL 5	PRCCCMD8	6	AZSFTAC1	AZSFRPT2	FEDTRAV2		11
12	CMA 2	BLMTAC 2	BLMTAC 1	15	AZSFTAC2	3	AZA/G 44	PFD A12	12	CASGRND1	PRCCTAC9	0	BLMTAC 1	AZSFRPT4	AZWHNTANK		12
13	POMERENE	AZA/G 60	AZA/G 60	0	AZA/G 60	0	FWS CREW	PFD A13	13	CASGRND2	PRCCMD11	0	BLMTAC 2	AZSFTAC1	AZLEMMON		13
14	SAFFORD	AZA/G 61	AZA/G 61	0	AZA/G 61	0	YUMA SO	BLKCANYN	14	MESA 1	MAYRWEST	0	AZA/G 60	AZA/G 34	AZ ST FF		14
15	FRY	AZA/G 27	AZA/G 27	0	AZA/G 27	0	WINTHAVN	WIKNBURG	15	MESA 2	MAYREAST	3	AZA/G 61	AZA/G 04	NAT FF		15
16	AIRGUARD	AIRGUARD	AIRGUARD	0	AIRGUARD	0	AIRGUARD	AIRGUARD	16	AIRGUARD	AIRGUARD	0	AIRGUARD	AIRGUARD	AIRGUARD		16
GROUP 14	15	16	17	18	19	20	21	22	23	24	25						

# Arizona State Forestry Radio Plan 2016

## Arizona State Forestry (AZSF) Radio User Code Guard List Version 3d, May 12, 2016

Group # 9 CH 2 Apache NF Repeaters		
Repeater Chart	Tone	Tone#
Escudilla	103.5	1
Rose Peak	110.9	2
Reno	123.0	3
Greens Peak	131.8	4
Big Lake	136.5	5
Mitchell Peak	146.2	6
South Mtn	156.7	7
Bear Mtn	167.9	8
Saddle Mtn	192.8	9

Group # 9 CH 4 Sitgraves NF Repeaters		
Repeater Chart	Tone	Tone#
Promotory	103.5	1
Gentry LO	110.9	2
Juniper Ridge	123.0	3
Greens Peak	131.8	4
Lake Mtn	136.5	5
Deer Springs	146.2	6
Chev Butte	156.7	7
BLANK	167.9	8
Heber Substation	192.8	9

Group # 13 CH 1 Coronada NF Repeaters		
Repeater Chart	Tone	Tone#
West Peak	100.0	1
Mule Mountain	103.5	2
Atacosa/Antelope	107.2	3
Bigelow	110.9	4
Hopkins	114.8	5
Heliograph	118.8	6
Red Mountain	123.0	7
Mt Lemmon	127.3	8
Monte Vista	131.8	9

Group #16 CH 1 TNFFIRE1 & CH 2 TNFFIRE2 Repeaters		
Repeater Chart	Tone	Tone#
Humbolt/White Tanks	103.5	1
Signal Peak	110.9	2
MT. Ord	123.0	3
Diamond Point/Horse	131.8	4
Aztec/Harquahala	136.5	5
Bronco Butte	141.3	6

Group #16 Channel 11 BLM PHX Repeaters		
Repeater Chart	Tone	Tone#
White Tanks	103.5	1
Horse Thief	131.8	4
Harquahala	136.5	5
Childs	162.2	7
Vekol Valley	107.2	11
Oatman	146.2	12

## User Code Guard List Continued

Group # 17 Channel 1 BLM PHX Repeaters		
Repeater Chart	Tone	Tone#
White Tanks	103.5	1
Horse Thief	131.8	4
Harquahala	136.5	5
Childs	162.2	7
Vekol Valley	107.2	11
Oatman	146.2	12
Williams Mesa	110.9	2

Group #17 CH 5 TNFFIRE1 & CH 6 TNFFIRE2 Repeaters		
Repeater Chart	Tone	Tone#
Humbolt/White Tanks	103.5	1
Signal Peak	110.9	2
MT. Ord	123.0	3
Diamond Pt/Horse Th	131.8	4
Aztec/Harquahala	136.5	5
Bronco Butte	141.3	6

Group # 21 Channel 6 Prescott NF Repeaters		
Repeater Chart	Tone	Tone#
Union	103.5	1
Mingus Mtn	110.9	2
Bill Williams	123.0	3
Towers Mtn	131.8	4
Squaw Peak	136.5	5
Hyde	146.2	6
Wildflower	156.7	7
Portable Repeater	167.9	8
Spruce Mtn	179.9	9

## AZSF DPH and DMH Radio Use Reminder Sheet

**Keypad Lockout** - Press FCN button & hold to lock/unlock keypad.  
**Group Select**- Press # button, Press number of group & Press ENT button to return to normal.  
**Change Scan List** - Turn to channel, press ENT to add or CLR to remove channel from scan list.  
 You will see "SCN" on display if channel is on Scan List.  
**Repeater Talk Around** - Press FCN button until you see "TRN DIR" (Transmit Direct) Changes channel from repeater use to simplex mode .  
**Group Scan** - Press FCN button until you see "GRP SCN" Turns on/off Multi Group Scanning.  
 NOT FLASHING-indicates feature is OFF or FLASHING-indicates feature is ON  
 Press PRI button to change from NOT FLASHING to FLASHING, then press ENT button.  
**Radio Group Cloning Procedure**  
 Ensure good batteries and both radios are on.  
 Select the effected groups for each radio.  
 Attach cloning cable to both radios (put red master switch on cable end on Master Radio).  
**Put Master Radio Into Programming Mode**  
**Portable Radio DPH**- Press & hold Red button on cable & then FCN button & hold  
**Mobile Radio DMH**- Press & hold SQL Button on Radio & then FCN button on MIC & hold  
 Enter Password of **000000** & Press ENT Button.  
 Press \* button on master radio, display will flash "PROG" & is ready to download.  
 Press FCN, "CLONE" will flash on display.  
 Resume flashing of "PROG" will signify Cloning was successful.  
 Turn off Master Radio to exit program mode.  
 "Fail" flashing & beeps signifies a Failed Cloning, turn off both radios & start over.

## Arizona State Forestry Radio Plan 2016

<b>Group # 1 Arizona State Forestry Administration 2016</b>							Frequency Band		<b>User Select Code Guard is NOT AVAILABLE for this group.</b>		
							<b>VHF</b>				
	Owner	Channel Name	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks	
1	AZSF	AZSFRPT1	CMD & COORD	151.4000	N	162.2	159.4050	162.2	A	Williams & Towers Mtn Repeaters	
2	AZSF	AZSFRPT2	CMD & COORD	151.4150	N	123.0	159.4350	123.0	A	Mingus, Greens, Lemon & Black Metal Repeaters	
3	AZSF	AZSFRPT3	CMD & COORD	151.4150	N	162.2	159.4350	162.2	A	Hayden, Signal & Mule Repeaters	
4	AZSF	AZSFRPT4	CMD & COORD	151.4000	N	123.0	159.4050	123.0	A	Eldon, Hualapai, Cunningham & Heliograph Repeaters	
5	AZSF	AZSFRPT5	CMD & COORD	154.6950	N	103.5	153.8750	103.5	A	Williams 2, White Tanks & Greens Pk. 2 Repeaters	
6	AZSF	AZSFRPT6	CMD & COORD	154.6950	N	103.5	153.8750	131.8	A	Signal Peak 2 & Mule Mtn 2 Repeaters	
7	AZSF	AZSFRPT7	CMD & COORD	154.8600	N	114.8	153.8750	114.8	A	Jacob Lake, Hualapai 2, Mingus 2, Telegraph Pass & Lemon 2 Repeaters	
8	AZSF	AZSFRPT8	CMD & COORD	154.8600	N	114.8	153.8750	103.5	A	Mt Ord, Heliograph 2 & Nogalles Hill Repeaters	
9	AZ AIRS	VFIRE 21	Mutual Aid Simplex	154.2800	N	0.0	154.2800	0.0	A	Arizona Statewide Fire Mutual Aid	
10	AZSF	AZSFTAC1	Tactical Simplex	159.3300	N	131.8	159.3300	131.8	A	Arizona State Forestry TAC 1	
11	AZSF	AZSFTAC2	Tactical Simplex	159.4500	N	123.0	159.4500	123.0	A	Arizona State Forestry TAC 2	
12	AZSF	AZSFTAC3	Tactical Simplex	159.2400	N	173.8	159.2400	173.8	A	Arizona State Forestry TAC 3	
13	AZSF	AZSFTAC4	Tactical Simplex	159.2850	N	151.4	159.2850	151.4	A	Arizona State Forestry TAC 4	
14	AZSF	AZSFTAC5	Tactical Simplex	151.1750	N	136.5	151.1750	136.5	A	Arizona State Forestry TAC 5, DO NOT USE in NE Arizona	
15	AZSF	AZSF FF	Air to Ground	154.9350	N	0.0	154.9350	110.9	A	Arizona State Forestry Statewide Flight Following	
16	USFS	AIRGUARD	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Emergency Aircraft Air to Ground	

**TX & RX Tones are programmed in per channel. The User Select Tone Guard option is NOT available to the radio user.**

## Arizona State Forestry Radio Plan 2016

Group # 2 Arizona Interagency Radio System (AIRS) 2016							Frequency Band		User Select Code Guard is <b>NOT AVAILABLE</b> for this group.		
							VHF				
	Owner	Channel Name	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks	
1	AZ AIRS	VAIRS 1	Command Repeater	155.4750	N	0.0	155.1900	141.3	A	Region 1 Interagency Operations Repeater for Maricopa County	
2	AZ AIRS	VAIRS 2	Command Repeater	155.4750	N	0.0	155.1900	131.8	A	Region 2 Repeater for Coconino & Pima Counties	
3	AZ AIRS	VAIRS 3	Command Repeater	155.4750	N	0.0	155.1900	110.9	A	Region 3 Repeater for La Paz, Yuma, Gila & Pinal Counties	
4	AZ AIRS	VAIRS 4	Command Repeater	155.4750	N	0.0	155.1900	123.0	A	Region 4 Repeater for Mohave, Navajo, Apache & Santa Cruz Counties	
5	AZ AIRS	VAIRS 5	Command Repeater	155.4750	N	0.0	155.1900	167.9	A	Region 5 Repeater for Yavapai, Graham, Greenlee & Cochise Counties	
6	AZ AIRS	SAR NFM	Tactical Simplex	155.1600	N	0.0	155.1600	127.3	A	Interagency Search & Rescue Tactical Operations	
7	AZ AIRS	VFIRE 21	Mutual Aid Simplex	154.2800	N	0.0	154.2800	0.0	A	Arizona Statewide Fire Mutual Aid	
8	AZ AIRS	VMED 28	Tactical Simplex	155.3400	N	0.0	155.3400	156.7	A	Arizona Statewide Tactical Operations/Medivac Helicopter Air to Ground	
9	AZ AIRS	VLAW 31	Tactical Simplex	155.4750	N	0.0	155.4750	0.0	A	Interagency LAW Tactical Operations or Contact	
10	AZ AIRS	VCALL 10	Tactical Simplex	155.7525	N	0.0	155.7525	156.7	A	Used to contact other users or dispatch center in the region.	
11	AZ AIRS	VTAC 11	Tactical Simplex	151.1375	N	0.0	151.1375	156.7	A	Interagency Tactical Operations	
12	AZ AIRS	VTAC 12	Tactical Simplex	154.4525	N	0.0	154.4525	156.7	A	Interagency Tactical Operations	
13	AZ AIRS	VTAC 13	Tactical Simplex	158.7375	N	0.0	158.7375	156.7	A	Interagency Tactical Operations	
14	AZ AIRS	VTAC 14	Tactical Simplex	159.4725	N	0.0	159.4725	156.7	A	Interagency Tactical Operations	
15	AZ AIRS	VTAC 36	Tactical Repeater	151.1375	N	0.0	159.4725	136.5	A	Interagency Tactical Operations Repeater	
16	USFS	AIRGUARD	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Emergency Aircraft Air to Ground	

**TX & RX Tones are programmed in per channel. The User Select Tone Guard option is NOT available to the radio user.**

**Group 2 Note(s)**

- 1 Arizona Statewide Interoperable Channel Plan, Priority VHF Programming.
- 2 Channels 1 thru 5 (VAIRS 1 thru 5) are permanently crossbanded repeaters to 800 MHz & UHF Interoperable channels for interagency operation communications.
- 3 Channel 16 has Airguard in place of Plan VTAC 37 Repeater Channel, you can RX (Listen Only) VTAC 37 on Channel 12, VTAC 12.

## Arizona State Forestry Radio Plan 2016

Group # 3 Southwest Communications Center Initial attack Air to Ground for Arizona 2016							Frequency Band		User Select Code Guard is <b>NOT AVAILABLE</b> for this group.		
							VHF				
	Owner	Channel Name	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks	
1	SWCC	AZA/G 04	Air to Ground	159.3450	N	192.8	159.3450	192.8	A	Zone 7 #2	
2	SWCC	AZA/G 17	Air to Ground	167.9875	N	0.0	167.9875	0.0	A	Zone 5 #2	
3	SWCC	AZA/G 26	Air to Ground	166.6875	N	0.0	166.6875	0.0	A	Zone 2 #3	
4	SWCC	AZA/G 27	Air to Ground	166.8250	N	0.0	166.8250	0.0	A	Zone 6 #3	
5	SWCC	AZA/G 32	Air to Ground	166.9625	N	0.0	166.9625	0.0	A	Zone 1 #1, Zone 3 #1	
6	SWCC	AZA/G 33	Air to Ground	171.5750	N	0.0	171.5750	0.0	A	Zone 1 #2	
7	SWCC	AZA/G 34	Air to Ground	167.1750	N	0.0	167.1750	0.0	A	Zone 7 #1, Zone 2 #1	
8	SWCC	AZA/G 41	Air to Ground	167.4750	N	0.0	167.4750	0.0	A	Zone 3 #2	
9	SWCC	AZA/G 44	Air to Ground	167.6250	N	0.0	167.6250	0.0	A	Zone 7 #3	
10	SWCC	AZA/G 47	Air to Ground	167.7250	N	0.0	167.7250	0.0	A	Zone 2 #2	
11	SWCC	AZA/G 56	Air to Ground	168.6625	N	0.0	168.6625	0.0	A	Zone 1 #3, Zone 3 #3	
12	SWCC	AZA/G 60	Air to Ground	169.1250	N	0.0	169.1250	0.0	A	Zone 6 #1	
13	SWCC	AZA/G 61	Air to Ground	169.2875	N	0.0	169.2875	0.0	A	Zone 6 #2	
14	SWCC	AZA/G 64	Air to Ground	171.4750	N	0.0	171.4750	0.0	A	Zone 5 #1	
15	AZ AIRS	VMED 28	Tactical Simplex	155.3400	N	0.0	155.3400	156.7	A	Arizona Statewide Tactical Operations/Medivac Helicopter Air to Ground	
16	USFS	AIRGUARD	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Emergency Aircraft Air to Ground	

**TX & RX Tones are programmed in per channel. The User Select Tone Guard option is NOT available to the radio user.**

**Group 3 Note(s)**

- 1 See SWCC Map for Zone locations
- 2 Changes from 2015; AZA/G 22 removed.
- 3 VMED 28 added for Interagency Medical Incident Tactical Channel, ie. Helicopter Medivac.

## Arizona State Forestry Radio Plan 2016

<b>Group # 4 Arizona State Forestry Statewide Initial Attack 2016</b>							Frequency Band		<b>User Select Code Guard is NOT AVAILABLE for this group.</b>		
							<b>VHF</b>				
	Owner	Channel Name	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks	
1	AZSF	AZSFRPT1	CMD & COORD	151.4000	N	162.2	159.4050	162.2	A	Williams & Towers Mtn Repeaters	
2	AZSF	AZSFRPT2	CMD & COORD	151.4150	N	123.0	159.4350	123.0	A	Mingus, Greens, Lemon & Black Metal Repeaters	
3	AZSF	AZSFRPT3	CMD & COORD	151.4150	N	162.2	159.4350	162.2	A	Hayden, Signal & Mule Repeaters	
4	AZSF	AZSFRPT4	CMD & COORD	151.4000	N	123.0	159.4050	123.0	A	Eldon, Hualapai, Cunningham & Heliograph Repeaters	
5	AZSF	AZSFRPT5	CMD & COORD	154.6950	N	103.5	153.8750	103.5	A	Williams 2, White Tanks & Greens Pk. 2 Repeaters	
6	AZSF	AZSFTAC1	Tactical Simplex	159.3300	N	131.8	159.3300	131.8	A	Arizona State Forestry TAC 1	
7	AZSF	AZSFTAC2	Tactical Simplex	159.4500	N	123.0	159.4500	123.0	A	Arizona State Forestry TAC 2	
8	AZ AIRS	VFIRE 21	Mutual Aid Simplex	154.2800	N	0.0	154.2800	0.0	A	Arizona Statewide Fire Mutual Aid	
9	AZ AIRS	VTAC 12	Tactical Simplex	154.4525	N	0.0	154.4525	156.7	A	AIRS VTAC 12	
10	USFS	FS TAC 1	Tactical Simplex	167.5500	N	0.0	167.5500	0.0	A	US Forest Service TAC 1	
11	BLM	BLMTAC 1	Tactical Simplex	168.2750	N	0.0	168.2750	0.0	A	BLM TAC 1, AKA BLM TAC 10 & Fire TAC 1	
12	SWCC	AZA/G 32	Air to Ground	166.9625	N	0.0	166.9625	0.0	A	Zone 1, 3 Initial Attack Air to Ground	
13	SWCC	AZA/G 34	Air to Ground	167.1750	N	0.0	167.1750	0.0	A	Zone 2, 7 Initial Attack Air to Ground	
14	SWCC	AZA/G 60	Air to Ground	169.1250	N	0.0	169.1250	0.0	A	Zone 6 Initial Attack Air to Ground	
15	SWCC	AZA/G 64	Air to Ground	171.4750	N	0.0	171.4750	0.0	A	Zone 5 Initial Attack Air to Ground	
16	USFS	AIRGUARD	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Emergency Aircraft Air to Ground	

**TX & RX Tones are programmed in per channel. The User Select Tone Guard option is NOT available to the radio user.**

## Arizona State Forestry Radio Plan 2016

Group # 5 Flagstaff Area Ponderosa Fire Advisory Council (PFAC) SOUTH 2016								Frequency Band		User Select Code Guard is <b>NOT AVAILABLE</b> for this group.	
								VHF			
	Owner	Channel Name	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks	
1	USFS COF	EPOCKETN	Command Repeater	171.4250	N	0.0	164.0750	123.0	A	Coconino National Forest East Pocket North Repeater	
2	USFS COF	EPOCKETS	Command Repeater	172.3000	N	0.0	164.8750	123.0	A	Coconino National Forest East Pocket South Repeater	
3	USFS COF	SCHNBLYS	Command Repeater	172.3000	N	0.0	164.8750	156.7	A	Coconino National Forest Schnebly South Repeater	
4	USFS COF	MINGUS S	Command Repeater	172.3000	N	0.0	164.8750	100.0	A	Coconino National Forest Mingus South Repeater	
5	Sedona FD	SED RPT3	Command Repeater	153.7850	N	136.5	151.2950	141.3	A	Sedona Fire Department Repeater 3	
6	AZSF	AZSFRPT4	CMD & COORD	151.4000	N	123.0	159.4050	123.0	A	Arizona State Forestry Mount Eldon Repeater	
7	USFS	FS TAC 1	Tactical Simplex	167.5500	N	0.0	167.5500	0.0	A	US Forest Service TAC 1	
8	USFS	FS TAC 2	Tactical Simplex	168.6750	N	0.0	168.6750	0.0	A	US Forest Service TAC 2	
9	USFS	FS TAC 3	Tactical Simplex	168.7750	N	0.0	168.7750	0.0	A	US Forest Service TAC 3	
10	AZ AIRS	VFIRE 21	Mutual Aid Simplex	154.2800	N	0.0	154.2800	0.0	A	Arizona Statewide Fire Mutual Aid	
11	AZ AIRS	VFIRE 22	Mutual Aid Simplex	154.2650	N	0.0	154.2650	0.0	A	VFIRE 22	
12	Sedona FD	SED TAC5	Tactical Simplex	154.7700	N	136.5	154.7700	136.5	A	Sedona Fire Department TAC 5	
13	AZ AIRS	VAIRS 2	Command Repeater	155.4750	N	0.0	155.1900	131.8	A	Region 2 Repeater	
14	SWCC	AZA/G 33	Air to Ground	171.5750	N	0.0	171.5750	0.0	A	Zone 1 Initial Attack Air to Ground #1	
15	AZSF	AZSFTAC3	Tactical Simplex	159.2400	N	173.8	159.2400	173.8	A	Arizona State Forestry TAC 3	
16	USFS	AIRGUARD	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Emergency Aircraft Air to Ground	

**TX & RX Tones are programmed in per channel. The User Select Tone Guard option is NOT available to the radio user.**

***Local Fire Department Frequencies and Tones are NOT verifiable and are subject to change without notice! The AZSF Telecom Shop assumes no responsibility for their accuracy!***

## Arizona State Forestry Radio Plan 2016

<b>Group # 6 Flagstaff Area Ponderosa Fire Advisory Council (PFAC) North 2016</b>							Frequency Band		<b>User Select Code Guard is NOT AVAILABLE for this group.</b>		
							<b>VHF</b>				
	Owner	Channel Name	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks	
1	USFS COF	ELDEN N	Command Repeater	171.4250	N	0.0	164.0750	146.2	A	Coconino National Forest Mt Elden North Repeater	
2	USFS COF	OLEARY N	Command Repeater	171.4250	N	0.0	164.0750	110.9	A	Coconino National Forest Oleary North Repeater	
3	USFS COF	EPOCKETN	Command Repeater	171.4250	N	0.0	164.0750	123.0	A	Coconino National Forest East Pocket North Repeater	
4	USFS COF	HUTCH N	Command Repeater	171.4250	N	0.0	164.0750	136.5	A	Coconino National Forest Hutch North Repeater	
5	USFS COF	SADDLE N	Command Repeater	171.4250	N	0.0	164.0750	127.3	A	Coconino National Forest Saddle North Repeater	
6	AZSF	AZSFRPT4	CMD & COORD	151.4000	N	123.0	159.4050	123.0	A	Arizona State Forestry Mount Eldon Repeater	
7	USFS	FS TAC 1	Tactical Simplex	167.5500	N	0.0	167.5500	0.0	A	US Forest Service TAC 1	
8	USFS	FS TAC 2	Tactical Simplex	168.6750	N	0.0	168.6750	0.0	A	US Forest Service TAC 2	
9	USFS	FS TAC 3	Tactical Simplex	168.7750	N	0.0	168.7750	0.0	A	US Forest Service TAC 3	
10	AZ AIRS	VFIRE 21	Mutual Aid Simplex	154.2800	N	0.0	154.2800	0.0	A	Arizona Statewide Fire Mutual Aid	
11	AZ AIRS	VFIRE22	Mutual Aid Simplex	154.2650	N	0.0	154.2650	0.0	A	VFIRE 22	
12	AZ AIRS	VFIRE23	Mutual Aid Simplex	154.2950	N	0.0	154.2950	0.0	A	VFIRE 23	
13	AZ AIRS	VAIRS 2	Command Repeater	155.4750	N	0.0	155.1900	131.8	A	Region 2 Repeater	
14	SWCC	AZA/G 33	Air to Ground	171.5750	N	0.0	171.5750	0.0	A	Zone 1 Initial Attack Air to Ground #1	
15	AZSF	AZSFTAC3	Tactical Simplex	159.2400	N	173.8	159.2400	173.8	A	Arizona State Forestry TAC 3	
16	USFS	AIRGUARD	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Emergency Aircraft Air to Ground	

**TX & RX Tones are programmed in per channel. The User Select Tone Guard option is NOT available to the radio user.**

## Arizona State Forestry Radio Plan 2016

<b>Group # 7 Flagstaff Area Western Fire Advisory Council (WFAC) 2016</b>							Frequency Band		<b>User Select Code Guard is NOT AVAILABLE for this group.</b>		
							<b>VHF</b>				
	Owner	Channel Name	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks	
1	USFS KNF	S KAIBAB	Tactical Simplex	170.5500	N	0.0	170.5500	103.5	A	Kaibab National Forest South Kaibab Simplex	
2	USFS KNF	BWILIAMS	Command Repeater	170.5500	N	0.0	172.2500	156.7	A	Kaibab National Forest Bill Williams South Repeater	
3	USFS KNF	REDHIL S	Command Repeater	170.5500	N	0.0	172.2500	146.2	A	Kaibab National Forest Red Hill South Repeater	
4	USFS KNF	REDBUTES	Command Repeater	170.5500	N	0.0	172.2500	179.9	A	Kaibab National Forest Red Butte South Repeater	
5	NPS GC	FIRE HOPI	Command Repeater	172.4250	N	0.0	164.6750	NAC293	D	Grand Canyon National Park Fire Hopi Repeater	
6	AZSF	AZSFRPT1	CMD & COORD	151.4000	N	162.2	159.4050	162.2	A	Arizona State Forestry Bill Williams Mtn Repeater	
7	USFS	FS TAC 1	Tactical Simplex	167.5500	N	0.0	167.5500	0.0	A	US Forest Service TAC 1	
8	USFS	FS TAC 2	Tactical Simplex	168.6750	N	0.0	168.6750	0.0	A	US Forest Service TAC 2	
9	USFS	FS TAC 3	Tactical Simplex	168.7750	N	0.0	168.7750	0.0	A	US Forest Service TAC 3	
10	AZ AIRS	VFIRE 21	Mutual Aid Simplex	154.2800	N	0.0	154.2800	0.0	A	Arizona Statewide Fire Mutual Aid	
11	AZ AIRS	VFIRE 22	Mutual Aid Simplex	154.2650	N	0.0	154.2650	0.0	A	VFIRE 22	
12	AZ AIRS	VFIRE 23	Mutual Aid Simplex	154.2950	N	0.0	154.2950	0.0	A	VFIRE 23	
13	AZ AIRS	VAIRS 2	Command Repeater	155.4750	N	0.0	155.1900	131.8	A	Region 2 Repeater	
14	SWCC	AZA/G 64	Air to Ground	171.4750	N	0.0	171.4750	0.0	A	Zone 5 Initial Attack Air to Ground #1	
15	AZSF	AZSFTAC3	Tactical Simplex	159.2400	N	173.8	159.2400	173.8	A	Arizona State Forestry TAC 3	
16	USFS	AIRGUARD	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Emergency Aircraft Air to Ground	

**TX & RX Tones are programmed in per channel. The User Select Tone Guard option is NOT available to the radio user.**

## Arizona State Forestry Radio Plan 2016

Group # 8 Arizona State Forestry NorthEast District A2S Initial Attack 2016							Frequency Band		User Select Code Guard is <b>NOT AVAILABLE</b> for this group.		
							VHF				
	Owner	Channel Name	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks	
1	AZSF	AZSFRPT2	CMD & COORD	151.4150	N	123.0	159.4350	123.0	A	Arizona State Forestry Greens Peak Repeater	
2	AZSF	AZSFRPT4	CMD & COORD	151.4000	N	123.0	159.4050	123.0	A	Arizona State Forestry Mount Eldon Repeater	
3	AZ AIRS	VAIRS 4	Command Repeater	155.4750	N	0.0	155.1900	123.0	A	Region 4 Repeater for Mohave, Navajo, Apache & Santa Cruz Counties	
4	AZ AIRS	VFIRE 21	Mutual Aid Simplex	154.2800	N	0.0	154.2800	0.0	A	Arizona Statewide Fire Mutual Aid	
5	AZ AIRS	VTAC 11	Tactical Simplex	151.1375	N	0.0	151.1375	156.7	A	AIRS VTAC 11	
6	AZSF	AZSFTAC1	Tactical Simplex	159.3300	N	131.8	159.3300	131.8	A	Arizona State Forestry TAC 1	
7	AZSF	AZSFTAC2	Tactical Simplex	159.4500	N	123.0	159.4500	123.0	A	Arizona State Forestry TAC 2	
8	AZSF	AZSFTAC3	Tactical Simplex	159.2400	N	173.8	159.2400	173.8	A	Arizona State Forestry TAC 3	
9	USFS	FS TAC 1	Tactical Simplex	167.5500	N	0.0	167.5500	0.0	A	US Forest Service TAC 1	
10	USFS	FS TAC 2	Tactical Simplex	168.6750	N	0.0	168.6750	0.0	A	US Forest Service TAC 2	
11	USFS	FS TAC 3	Tactical Simplex	168.7750	N	0.0	168.7750	0.0	A	US Forest Service TAC 3	
12	USFS	FEDTRAV1	Car to Car Simplex	168.3500	N	0.0	168.3500	0.0	A	Federal Travel 1 AKA Common & BLM Crew 2	
13	SWCC	AZA/G 34	Air to Ground	167.1750	N	0.0	167.1750	0.0	A	Zone 2 Initial Attack Air to Ground #1	
14	SWCC	AZA/G 47	Air to Ground	167.7250	N	0.0	167.7250	0.0	A	Zone 2 Initial Attack Air to Ground #2	
15	SWCC	AZA/G 26	Air to Ground	166.6875	N	0.0	166.6875	0.0	A	Zone 2 Initial Attack Air to Ground #3	
16	USFS	AIRGUARD	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Emergency Aircraft Air to Ground	

**TX & RX Tones are programmed in per channel. The User Select Tone Guard option is NOT available to the radio user.**

## Arizona State Forestry Radio Plan 2016

<b>Group # 9 Apache/Sitgraves National Forest &amp; AZSF Mix 2016</b>							Frequency Band		<b>User Select Code Guard is Required</b>				<b>Radio Program ONLY</b>
							<b>VHF</b>						<b>Tx Freq</b>
Owner	Channel Name	Tone	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks	Tx Tone		
1	USFS	APACHE	15	Tactical Simplex	170.5750	N	0.0	170.5750	0.0	A	Apache National Forest Simplex (Primary)	103.5	
2	USFS	APACHE R	Chart	Command Repeater	170.5750	N	0.0	163.1625	Chart	A	Apache National Forest Repeaters	110.9	
3	USFS	SITGREAV	15	Tactical Simplex	169.9500	N	0.0	169.9500	0.0	A	Sitgreave National Forest Simplex (Primary)	123.0	
4	USFS	SITGREVR	Chart	Command Repeater	169.9500	N	0.0	162.2250	Chart	A	Sitgreave National Forest Repeaters	131.8	
5	USFS	ENGINEER	15	Tactical Simplex	172.3750	N	0.0	172.3750	0.0	A	Engineering?	136.5	
6	USFS	GILANRTH	15	Tactical Simplex	169.9750	N	0.0	169.9750	0.0	A	Gila North?	146.2	
7	BIA	FTAPACHE	15	Tactical Simplex	172.6750	N	0.0	172.6750	0.0	A	Ft Apache?	156.7	
8	USFS	FS TAC 1	15	Tactical Simplex	167.5500	N	0.0	167.5500	0.0	A	US Forest Service TAC 1	167.9	
9	USFS	FS TAC 2	15	Tactical Simplex	168.6750	N	0.0	168.6750	0.0	A	US Forest Service TAC 2	192.8	
10	USFS	FS TAC 3	15	Tactical Simplex	168.7750	N	0.0	168.7750	0.0	A	US Forest Service TAC 3	0.0	
11	AZSF	AZSFRPT2	0	CMD & COORD	151.4150	N	123.0	159.4350	123.0	A	Arizona State Forestry Greens Peak Repeater	123.0	
12	AZSF	AZSFTAC1	0	Tactical Simplex	159.3300	N	131.8	159.3300	131.8	A	Arizona State Forestry TAC 1	131.8	
13	SWCC	AZA/G 34	15	Air to Ground	167.1750	N	0.0	167.1750	0.0	A	Zone 2 Initial Attack Air to Ground #1	0.0	
14	SWCC	AZA/G 47	15	Air to Ground	167.7250	N	0.0	167.7250	0.0	A	Zone 2 Initial Attack Air to Ground #2	0.0	
15	SWCC	AZA/G 26	15	Air to Ground	166.6875	N	0.0	166.6875	0.0	A	Zone 2 Initial Attack Air to Ground #3	0.0	
16	USFS	AIRGUARD	0	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Aircraft Emergency Air to Ground	110.9	

Group # 9 CH 2 Apache NF Repeaters		
Repeater Chart	TX Tone	Tone#
Escudilla	103.5	1
Rose Peak	110.9	2
Reno	123.0	3
Greens Peak	131.8	4
Big Lake	136.5	5
Mitchell Peak	146.2	6
South Mtn	156.7	7
Bear Mtn	167.9	8
Saddle Mtn	192.8	9

Group # 9 CH 4 Sitgraves NF Repeaters		
Repeater Chart	Tone	Tone#
Promotory	103.5	1
Gentry LO	110.9	2
Juniper Ridge	123.0	3
Greens Peak	131.8	4
Lake Mtn	136.5	5
Deer Springs	146.2	6
Chev Butte	156.7	7
BLANK	167.9	8
Heber Substation	192.8	9

**TX Tones have to be selected by the radio user for all channels. Rx Tones are fixed and programmed in the radio and are not selectable by the radio user. The main sheet reflects the actual frequency and PL Tones for that channel. The right column reflects the actual TX PL Tone for the actual programming of the radio for that channel.**

# Arizona State Forestry Radio Plan 2016

Group # 9 Apache/Sitgraves NF Mix		
CH #	Channel Name	Tone#
1	APACHE	15
2	APACHE R	Chart
3	SITGREAV	15
4	SITGREVR	Chart
5	ENGINEER	15
6	GILANRTH	15
7	FTAPACHE	15
8	FS TAC 1	15
9	FS TAC 2	15
10	FS TAC 3	15
11	AZSFRPT2	0
12	AZSFTAC1	0
13	AZA/G 34	15
14	AZA/G 47	15
15	AZA/G 26	15
16	AIRGUARD	0

Group # 9 Apache/Sitgraves NF Mix		
CH #	Channel Name	Tone#
1	APACHE	15
2	APACHE R	Chart
3	SITGREAV	15
4	SITGREVR	Chart
5	ENGINEER	15
6	GILANRTH	15
7	FTAPACHE	15
8	FS TAC 1	15
9	FS TAC 2	15
10	FS TAC 3	15
11	AZSFRPT2	0
12	AZSFTAC1	0
13	AZA/G 34	15
14	AZA/G 47	15
15	AZA/G 26	15
16	AIRGUARD	0

## Arizona State Forestry Radio Plan 2016

Group # 10 Navajo County Local Fire Depts Initial Attack 2016							Frequency Band		User Select Code Guard is <b>NOT AVAILABLE</b> for this group.		
							VHF				
	Owner	Channel Name	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks	
1	Local FD	DISPATCH	Command Repeater	154.2350	N	141.3	159.0750	141.3	A	Primary Dispatch	
2	Local FD	PFD LSFD	Command Repeater	154.1150	N	192.8	155.8050	192.8	A	Pinetop/Lakeside Fire Dept.	
3	Local FD	SLFD 300	Command Repeater	154.4150	N	141.3	153.7700	141.3	A	Showlow Fire Dept. 300	
4	Local FD	LINDENFD	Command Repeater	159.1800	N	114.8	153.9500	114.8	A	Linden Fire Dept.	
5	Local FD	WMLAKEFD	Command Repeater	154.3350	N	151.4	156.0150	151.4	A	White Mtn Lake	
6	Local FD	WMATHOND	Command Repeater	158.7450	N	110.9	153.8600	110.9	A	WMAT/Hondah	
7	Local FD	PINETOP	Command Repeater	154.4000	N	167.9	153.8300	167.9	A	Pinetop/Clay Springs Fire Dept.	
8	Local FD	HEBER	Command Repeater	154.2200	N	110.9	155.9550	110.9	A	Heber/Overguard Fire Dept.	
9	Local FD	SHOWLOW	Tactical Simplex	154.4450	N	77.0	154.4450	77.0	A	Showlow TAC	
10	Local FD	P LS TAC	Tactical Simplex	154.2650	N	67.0	154.2650	67.0	A	Pinetop/Lakeside Fire Dept. TAC	
11	Local FD	TAYLOR	Tactical Simplex	154.3100	N	103.5	159.2175	103.5	A	Taylor Snowflake Fire & Medical Dept.	
12	AZSF	AZSFRPT2	CMD & COORD	151.4150	N	123.0	159.4350	123.0	A	Arizona State Forestry Greens Peak Repeater	
13	USFS	APACHE R	Command Repeater	170.5750	N	0.0	163.1625	131.8	A	Apachie NF Greens Peak Repeater	
14	AZ AIRS	VFIRE 21	Mutual Aid Simplex	154.2800	N	0.0	154.2800	0.0	A	Arizona Statewide Fire Mutual Aid	
15	SWCC	AZA/G 34	Air to Ground	167.1750	N	0.0	167.1750	0.0	A	Zone 2, 7 Initial Attack Air to Ground	
16	USFS	AIRGUARD	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Emergency Aircraft Air to Ground	

**TX & RX Tones are programmed in per channel. The User Select Tone Guard option is NOT available to the radio user.**

***Local Fire Department Frequencies and Tones are NOT verifiable and are subject to change without notice! The AZSF Telecom Shop assumes no responsibility for their accuracy!***

## Arizona State Forestry Radio Plan 2016

Group # 11 Apache County Local Fire Dept's Initial Attack 2016							Frequency Band		User Select Code Guard is <b>NOT AVAILABLE</b> for this group.		
							VHF				
	Owner	Channel Name	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks	
1	Local FD	610 IC	Command Repeater	158.7900	N	110.9	153.7850	110.9	A	610 Unified IC	
2	Local FD	ALPNE481	Command Repeater	154.4300	N	103.5	159.0000	103.5	A	Alpine 481	
3	Local FD	CONCH417	Command Repeater	155.1300	N	127.3	158.9850	127.3	A	Concho 417	
4	Local FD	GRER770	Command Repeater	151.4150	N	123.0	159.4350	123.0	A	Greer 770	
5	Local FD	NUTRI420	Command Repeater	154.1375	N	146.2	159.1875	146.2	A	Nutriososo 420	
6	Local FD	RV 285	Command Repeater	155.3700	N	110.9	158.8200	110.9	A	RV 285	
7	Local FD	STJOHN462	Command Repeater	159.9500	N	118.8	158.8350	118.8	A	St Johns 462	
8	Local FD	VERN 231	Command Repeater	159.0900	N	97.4	155.1000	97.4	A	Vernon 231	
9	Local FD	PV 795	Command Repeater	151.1900	N	123.0	153.9650	123.0	A	PV 795	
10	AZSF	AZSFTAC1	Tactical Simplex	159.3300	N	131.8	159.3300	131.8	A	Arizona State Forestry TAC 1	
11	AZSF	AZSFTAC2	Tactical Simplex	159.4500	N	123.0	159.4500	123.0	A	Arizona State Forestry TAC 2	
12	AZ AIRS	VFIRE 21	Mutual Aid Simplex	154.2800	N	0.0	154.2800	0.0	A	Arizona Statewide Fire Mutual Aid	
13	AZSF	AZSFRPT2	CMD & COORD	151.4150	N	123.0	159.4350	123.0	A	Arizona State Forestry Greens Peak Repeater	
14	AZ AIRS	VTAC 12	Tactical Simplex	154.4525	N	0.0	154.4525	156.7	A	VTAC 12	
15	SWCC	AZA/G 34	Air to Ground	167.1750	N	0.0	167.1750	0.0	A	Zone 2, 7 Initial Attack Air to Ground	
16	USFS	AIRGUARD	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Emergency Aircraft Air to Ground	

**TX & RX Tones are programmed in per channel. The User Select Tone Guard option is NOT available to the radio user.**

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## Arizona State Forestry Radio Plan 2016

<b>Group #12 SouthEast District A3S Initial Attack 2016</b>							Frequency Band		<b>User Select Code Guard is NOT AVAILABLE for this group.</b>		
							<b>VHF</b>				
	Owner	Channel Name	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks	
1	AZSF	AZSFRPT2	CMD & COORD	151.4150	N	123.0	159.4350	123.0	A	Arizona State Forestry Mt Lemon Repeater	
2	AZSF	AZSFRPT3	CMD & COORD	151.4150	N	162.2	159.4350	162.2	A	Arizona State Forestry Signal Peak & Mule Mtn Repeaters	
3	AZSF	AZSFRPT4	CMD & COORD	151.4000	N	123.0	159.4050	123.0	A	Arizona State Forestry Heliograph Peak Repeater	
4	CCSO	CMA 2	Mutual Aid Repeater	155.2500	N	173.8	158.7450	173.8	A	Cochise County Mutual Aid Repeater	
5	AZ AIRS	VFIRE 21	Mutual Aid Simplex	154.2800	N	0.0	154.2800	0.0	A	Arizona Statewide Fire Mutual Aid	
6	AZSF	AZSFTAC1	Tactical Simplex	159.3300	N	131.8	159.3300	131.8	A	Arizona State Forestry TAC 1	
7	AZSF	AZSFTAC2	Tactical Simplex	159.4500	N	123.0	159.4500	123.0	A	Arizona State Forestry TAC 2	
8	USFS	FS TAC 1	Tactical Simplex	167.5500	N	0.0	167.5500	0.0	A	US Forest Service TAC 1	
9	USFS	FS TAC 2	Tactical Simplex	168.6750	N	0.0	168.6750	0.0	A	US Forest Service TAC 2	
10	USFS	FS TAC 3	Tactical Simplex	168.7750	N	0.0	168.7750	0.0	A	US Forest Service TAC 3	
11	BLM	BLMTAC 1	Tactical Simplex	168.2750	N	0.0	168.2750	0.0	A	AKA BLM TAC 10, FIRE TAC 1, SOA	
12	BLM	BLMTAC 2	Tactical Simplex	170.0250	N	0.0	170.0250	0.0	A	AKA BLM TAC 20, FIRE TAC 2, SOA	
13	SWCC	AZA/G 32	Air to Ground	166.9625	N	0.0	166.9625	0.0	A	Zone 3 #1	
14	SWCC	AZA/G 41	Air to Ground	167.4750	N	0.0	167.4750	0.0	A	Zone 3 #2	
15	SWCC	AZA/G 56	Air to Ground	168.6625	N	0.0	168.6625	0.0	A	Zone 3 #3	
16	USFS	AIRGUARD	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Emergency Aircraft Air to Ground	

**TX & RX Tones are programmed in per channel. The User Select Tone Guard option is NOT available to the radio user.**

## Arizona State Forestry Radio Plan 2016

<b>Group # 13 Coronado National Forest (CNF), AZSF &amp; BLM Mix 2016</b>								Frequency Band		<b>User Select Code Guard is Required</b>			<b>Radio Program ONLY</b>
								<b>VHF</b>					
	Owner	Channel Name	Tone	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks		
1	USFS CNF	CNF RPTS	Chart	Command Repeater	172.2750	N	0.0	168.1500	Chart	A	Coronada National Forest Fire Net Repeaters	100.0	
2	USFS	FS TAC 1	15	Tactical Simplex	167.5500	N	0.0	167.5500	0.0	A	US Forest Service TAC 1	103.5	
3	USFS	FS TAC 2	15	Tactical Simplex	168.6750	N	0.0	168.6750	0.0	A	US Forest Service TAC 2	107.2	
4	USFS	FS TAC 3	15	Tactical Simplex	168.7750	N	0.0	168.7750	0.0	A	US Forest Service TAC 3	110.9	
5	AZ AIRS	VFIRE 21	15	Mutual Aid Simplex	154.2800	N	0.0	154.2800	0.0	A	Arizona Statewide Fire Mutual Aid	114.8	
6	AZSF	AZSFTAC1	9	Tactical Simplex	159.3300	N	131.8	159.3300	131.8	A	Arizona State Forestry TAC 1	118.8	
7	AZSF	AZSFTAC2	0	Tactical Simplex	159.4500	N	123.0	159.4500	123.0	A	Arizona State Forestry TAC 2	123.0	
8	AZSF	AZSFTAC3	10	Tactical Simplex	159.2400	N	173.8	159.2400	173.8	A	Arizona State Forestry TAC 3	127.3	
9	AZSF	AZSFTAC4	11	Tactical Simplex	159.2850	N	151.4	159.2850	151.4	A	Arizona State Forestry TAC 4	131.8	
10	BLM	BLMTAC 1	15	Tactical Simplex	168.2750	N	0.0	168.2750	0.0	A	AKA BLM TAC 10, FIRE TAC 1, SOA	173.8	
11	USFS	BLMTAC 2	15	Tactical Simplex	170.0250	N	0.0	170.0250	0.0	A	AKA BLM TAC 20, FIRE TAC 2, SOA	151.4	
12	AZ AIRS	VTAC 12	0	Tactical Simplex	154.4525	N	0.0	154.4525	156.7	A	Interagency Tactical Operations AZ AIRS Channel 12	156.7	
13	SWCC	AZA/G 32	15	Air to Ground	166.9625	N	0.0	166.9625	0.0	A	Zone 3 #1	0.0	
14	SWCC	AZA/G 41	15	Air to Ground	167.4750	N	0.0	167.4750	0.0	A	Zone 3 #2	0.0	
15	SWCC	AZA/G 56	15	Air to Ground	168.6625	N	0.0	168.6625	0.0	A	Zone 3 #3	0.0	
16	USFS	AIRGUARD	0	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Emergency Aircraft Air to Ground	110.9	

<b>Group # 13 CH 1 Coronada NF Repeaters</b>		
Repeater Chart	Tone	Tone#
West Peak	100.0	1
Mule Mountain	103.5	2
Atacosa/Antelope	107.2	3
Bigelow	110.9	4
Hopkins	114.8	5
Heliograph	118.8	6
Red Mountain	123.0	7
Mt Lemmon	127.3	8
Monte Vista	131.8	9

**TX Tones have to be selected by the radio user for all channels. Rx Tones are fixed and programmed in the radio and are not selectable by the radio user. The main sheet reflects the actual frequency and PL Tones for that channel. The right column reflects the actual TX PL Tone for the actual programming of the radio for that channel.**

# Arizona State Forestry Radio Plan 2016

Group # 13 Coronado NF Mix		
CH #	Channel Name	Tone#
1	CNF RPTS	Chart
2	FS TAC 1	15
3	FS TAC 2	15
4	FS TAC 3	15
5	VFIRE 21	15
6	AZSFTAC1	9
7	AZSFTAC2	0
8	AZSFTAC3	10
9	AZSFTAC4	11
10	BLMTAC 1	15
11	BLMTAC 2	15
12	VTAC 12	0
13	AZA/G 32	15
14	AZA/G 41	15
15	AZA/G 56	15
16	AIRGUARD	0

## Arizona State Forestry Radio Plan 2016

Group # 14 SouthEast District A3S Local Fire Dept's 2016							Frequency Band		User Select Code Guard is <b>NOT AVAILABLE</b> for this group.		
							VHF				
	Owner	Channel Name	Assignment/Function	Rx Freq	N or W Band	RX TONE	Tx Freq	Tx Tone	Mode	Remarks	
1	AZSF	AZSFRPT2	CMD & COORD	151.4150	N	123.0	159.4350	123.0	A	Mingus, Greens, Lemon & Black Metal Repeaters	
2	AZ AIRS	VFIRE 21	Mutual Aid Simplex	154.2800	N	0.0	154.2800	0.0	A	Arizona Statewide Fire Mutual Aid	
3	AZSF	AZSFTAC1	Tactical Simplex	159.3300	N	131.8	159.3300	131.8	A	Arizona State Forestry TAC 1	
4	Local FD	KEARNEY	Tactical Simplex	155.8950	N	0.0	155.8950	0.0	A	Kearney Fire Dept	
5	Local FD	FT HUACH	Command Repeater	172.3250	N	100.0	162.1000	100.0	A	Fort Huachuca Fire Dept Repeater	
6	Local FD	SONOITA	Command Repeater	154.1750	N	127.3	159.0450	127.3	A	Sonita Fire Dept Repeater	
7	Local FD	PORTAL	Command Repeater	155.2350	N	0.0	153.4700	67.0	A	Portal Fire Dept Repeater	
8	Local FD	PATGONIA	Command Repeater	155.7150	N	0.0	154.1000	146.2	A	Patagonia Fire Dept Repeater	
9	Local FD	ARIVACA	Command Repeater	154.3550	N	151.4	154.0100	151.4	A	Arivaca Fire Dept Repeater	
10	Local FD	3 POINTS	Tactical Simplex	154.4150	N	192.8	154.4150	192.8	A	3 Points Fire Dept	
11	Local FD	DUDLEY	Tactical Simplex	154.1300	N	0.0	154.1300	167.9	A	Dudleville Fire Dept	
12	CCSO	CMA 2	Mutual aid Repeater	155.2500	N	173.8	158.7450	173.8	A	Cochise County Mutual Aid Repeater	
13	Local FD	POMERENE	Tactical Simplex	153.9500	N	0.0	153.9500	110.9	A	Pomerene Fire Dept	
14	Local FD	SAFFORD	Command Repeater	154.3250	N	162.2	153.8900	162.2	A	Safford Fire Dept Repeater	
15	Local FD	FRY	Command Repeater	155.8650	N	110.9	150.8050	110.9	A	Fry Fire Dept Sierra Vista Repeater	
16	USFS	AIRGUARD	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Aircraft Emergency Air to Ground	

**TX & RX Tones are programmed in per channel. The User Select Tone Guard option is NOT available to the radio user.**

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## Arizona State Forestry Radio Plan 2016

<b>Group # 15 Arizona State Forestry Central District A4S Initial Attack 2016</b>							Frequency Band		<b>User Select Code Guard is NOT AVAILABLE for this group.</b>		
							<b>VHF</b>				
	Owner	Channel Name	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks	
1	AZSF	AZSFRPT3	CMD & COORD	151.4150	N	162.2	159.4350	162.2	A	Arizona State Forestry Signal Peak Repeater	
2	AZSF	AZSFRPT4	CMD & COORD	151.4000	N	123.0	159.4050	123.0	A	Arizona State Forestry Cunningham Mtn Repeater	
3	AZSF	AZSFRPT5	CMD & COORD	154.6950	N	103.5	153.8750	103.5	A	Arizona State Forestry White Tanks Mtn Repeater	
4	AZSF	AZSFRPT7	CMD & COORD	154.8600	N	114.8	153.8750	114.8	A	Arizona State Forestry Mingus Mtn 2 & Telegraph Pass Repeaters	
5	AZ AIRS	VFIRE 21	Mutual Aid Simplex	154.2800	N	0.0	154.2800	0.0	A	Arizona Statewide Fire Mutual Aid	
6	AZ AIRS	VTAC 11	Tactical Simplex	151.1375	N	0.0	151.1375	156.7	A	AIRS VTAC 11	
7	AZSF	AZSFTAC1	Tactical Simplex	159.3300	N	131.8	159.3300	131.8	A	Arizona State Forestry TAC 1	
8	AZSF	AZSFTAC2	Tactical Simplex	159.4500	N	123.0	159.4500	123.0	A	Arizona State Forestry TAC 2	
9	AZSF	AZSFTAC3	Tactical Simplex	159.2400	N	173.8	159.2400	173.8	A	Arizona State Forestry TAC 3	
10	USFS	FS TAC 1	Tactical Simplex	167.5500	N	0.0	167.5500	0.0	A	US Forest Service TAC 1	
11	BLM	BLMTAC 1	Tactical Simplex	168.2750	N	0.0	168.2750	0.0	A	BLM TAC 1 AKA FIRE TAC 1	
12	BLM	BLMTAC 2	Tactical Simplex	170.0250	N	0.0	170.0250	0.0	A	BLM TAC 2 AKA FIRE TAC 2	
13	SWCC	AZA/G 60	Air to Ground	169.1250	N	0.0	169.1250	0.0	A	Zone 6 Initial Attack Air to Ground	
14	SWCC	AZA/G 61	Air to Ground	169.2875	N	0.0	169.2875	0.0	A	Zone 6 Initial Attack Air to Ground	
15	SWCC	AZA/G 27	Air to Ground	166.8250	N	0.0	166.8250	0.0	A	Zone 6 Initial Attack Air to Ground	
16	USFS	AIRGUARD	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Emergency Aircraft Air to Ground	

**TX & RX Tones are programmed in per channel. The User Select Tone Guard option is NOT available to the radio user.**

## Arizona State Forestry Radio Plan 2016

<b>Group # 16 Tonto National Forest (TNF), AZSF &amp; BLM Mix 2016</b>								Frequency Band		<b>User Select Code Guard is Required</b>		<b>Radio Program ONLY</b>
								<b>VHF</b>				
Owner	Channel Name	Tone	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks	Tx Tone	
1	USFS	TNFFIRE1	Chart	Command Repeater	164.8250	N	0.0	164.1250	Chart	A	Tonto National Forest Fire Net 1 CH 6 Repeaters	103.5
2	USFS	TNFFIRE2	Chart	Command Repeater	170.5000	N	0.0	171.5000	Chart	A	Tonto National Forest Fire Net 2 CH 4 Repeaters	110.9
3	AZ AIRS	VFIRE 21	15	Mutual Aid Simplex	154.2800	N	0.0	154.2800	0.0	A	Arizona Statewide Fire Mutual Aid	123.0
4	USFS	FS TAC 1	15	Tactical Simplex	167.5500	N	0.0	167.5500	0.0	A	US Forest Service TAC 1	131.8
5	USFS	FS TAC 2	15	Tactical Simplex	168.6750	N	0.0	168.6750	0.0	A	US Forest Service TAC 2	136.5
6	USFS	FS TAC 3	15	Tactical Simplex	168.7750	N	0.0	168.7750	0.0	A	US Forest Service TAC 3	141.3
7	AZSF	AZSFRPT3	0	CMD & COORD	151.4150	N	162.2	159.4350	162.2	A	Arizona State Forestry Signal Peak Repeater	162.2
8	AZSF	AZSFRPT8	0	CMD & COORD	154.8600	N	114.8	153.8750	103.5	A	Arizona State Forestry Mount Ord Repeater	103.5
9	AZSF	AZSFTAC1	0	Tactical Simplex	159.3300	N	131.8	159.3300	131.8	A	Arizona State Forestry TAC 1	131.8
10	AZSF	AZSFTAC2	0	Tactical Simplex	159.4500	N	123.0	159.4500	123.0	A	Arizona State Forestry TAC 2	123.0
11	BLM	BLM PHX	Chart	Command Repeater	172.5250	N	0.0	163.0375	Chart	A	BLM Phoenix Repeaters	107.2
12	BLM	BLMTAC 1	15	Tactical Simplex	168.2750	N	0.0	168.2750	0.0	A	AKA BLM TAC 10, FIRE TAC 1, SOA	146.2
13	SWCC	AZA/G 60	15	Air to Ground	169.1250	N	0.0	169.1250	0.0	A	Zone 6 Initial Attack Air to Ground #1	0.0
14	SWCC	AZA/G 61	15	Air to Ground	169.2875	N	0.0	169.2875	0.0	A	Zone 6 Initial Attack Air to Ground #2	0.0
15	SWCC	AZA/G 27	15	Air to Ground	166.8250	N	0.0	166.8250	0.0	A	Zone 6 Initial Attack Air to Ground #3	0.0
16	USFS	AIRGUARD	0	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Aircraft Emergency Air to Ground	110.9

Group #16 CH 1 TNFFIRE1 & CH 2 TNFFIRE2		
Repeater Chart	Tone	Tone#
Humbolt/White Tanks	103.5	1
Signal Peak	110.9	2
MT. Ord	123.0	3
Diamond Point/Horse T	131.8	4
Aztec/Harquahala	136.5	5
Bronco Butte	141.3	6

Group #16 Channel 11 BLM PHX		
Repeater Chart	Tone	Tone#
White Tanks	103.5	1
Horse Thief	131.8	4
Harquahala	136.5	5
Childs	162.2	7
Vekol Valley	107.2	11
Oatman	146.2	12

**TX Tones have to be selected by the radio user for all channels. Rx Tones are fixed and programmed in the radio and are not selectable by the radio user. The main sheet reflects the actual frequency and PL Tones for that channel. The right column reflects the actual TX PL Tone for the actual programming of the radio for that channel.**

# Arizona State Forestry Radio Plan 2016

Group # 16 Tonto NF Mix		
CH #	Channel Name	Tone#
1	TNFFIRE1	Chart
2	TNFFIRE2	Chart
3	VFIRE 21	15
4	FS TAC 1	15
5	FS TAC 2	15
6	FS TAC 3	15
7	AZSFRPT3	0
8	AZSFRPT8	0
9	AZSFTAC1	0
10	AZSFTAC2	0
11	BLM PHX	Chart
12	BLMTAC 1	15
13	AZA/G 60	15
14	AZA/G 61	15
15	AZA/G 27	15
16	AIRGUARD	0

Group # 16 Tonto NF Mix		
CH #	Channel Name	Tone#
1	TNFFIRE1	Chart
2	TNFFIRE2	Chart
3	VFIRE 21	15
4	FS TAC 1	15
5	FS TAC 2	15
6	FS TAC 3	15
7	AZSFRPT3	0
8	AZSFRPT8	0
9	AZSFTAC1	0
10	AZSFTAC2	0
11	BLM PHX	Chart
12	BLMTAC 1	15
13	AZA/G 60	15
14	AZA/G 61	15
15	AZA/G 27	15
16	AIRGUARD	0

## Arizona State Forestry Radio Plan 2016

<b>Group # 17 BLM Phoenix, AZSF &amp; TNF Mix 2016</b>								Frequency Band		<b>User Select Code Guard is Required</b>			<b>Radio Program ONLY</b>
								<b>VHF</b>					
	Owner	Channel Name	Tone	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks	Tx Tone	
1	BLM	BLM PHX	Chart	Command Repeater	172.5250	N	0.0	163.0375	Chart	A	BLM Phoenix Repeaters	103.5	
2	BLM	BLMTAC 1	15	Tactical Simplex	168.2750	N	0.0	168.2750	0.0	A	AKA BLM TAC 10, FIRE TAC 1, SOA	110.9	
3	USFS	BLMTAC 2	15	Tactical Simplex	170.0250	N	0.0	170.0250	0.0	A	AKA BLM TAC 20, FIRE TAC 2, SOA	123.0	
4	USFS	BLMCRW1	15	Tactical Simplex	163.1000	N	0.0	163.1000	0.0	A	BLM CREW 1, AKA Federal Travel 2	131.8	
5	USFS	TNFFIRE1	Chart	Command Repeater	164.8250	N	0.0	164.1250	Chart	A	Tonto National Forest Fire Net 1 CH 6 Repeaters	136.5	
6	USFS	TNFFIRE2	Chart	Command Repeater	170.5000	N	0.0	171.5000	Chart	A	Tonto National Forest Fire Net 2 CH 4 Repeaters	141.3	
7	USFS	FS TAC 1	15	Tactical Simplex	167.5500	N	0.0	167.5500	0.0	A	US Forest Service TAC 1	162.2	
8	AZ AIRS	VFIRE 21	15	Mutual Aid Simplex	154.2800	N	0.0	154.2800	0.0	A	Arizona Statewide Fire Mutual Aid	0.0	
9	AZSF	AZSFRPT3	0	CMD & COORD	151.4150	N	162.2	159.4350	162.2	A	Arizona State Forestry Signal Repeater	162.2	
10	AZSF	AZSFRPT5	0	CMD & COORD	154.6950	N	103.5	153.8750	103.5	A	Arizona State Forestry White Tanks Repeater	103.5	
11	AZSF	AZSFTAC1	4	Tactical Simplex	159.3300	N	131.8	159.3300	131.8	A	Arizona State Forestry TAC 1	107.2	
12	AZSF	AZSFTAC2	3	Tactical Simplex	159.4500	N	123.0	159.4500	123.0	A	Arizona State Forestry TAC 2	146.2	
13	SWCC	AZA/G 60	15	Air to Ground	169.1250	N	0.0	169.1250	0.0	A	Zone 6 Initial Attack Air to Ground #1	0.0	
14	SWCC	AZA/G 61	15	Air to Ground	169.2875	N	0.0	169.2875	0.0	A	Zone 6 Initial Attack Air to Ground #2	0.0	
15	SWCC	AZA/G 27	15	Air to Ground	166.8250	N	0.0	166.8250	0.0	A	Zone 6 Initial Attack Air to Ground #3	0.0	
16	USFS	AIRGUARD	0	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Aircraft Emergency Air to Ground	110.9	

<b>Group # 17 Channel 1 BLM PHX</b>		
Repeater Chart	Tone	Tone#
White Tanks	103.5	1
Horse Thief	131.8	4
Harquahala	136.5	5
Childs	162.2	7
Vekol Valley	107.2	11
Oatman	146.2	12
Williams Mesa	110.9	2

<b>Group #17 CH 5 TNFFIRE1 &amp; CH 6 TNFFIRE2</b>		
Repeater Chart	Tone	Tone#
Humbolt/White Tanks	103.5	1
Signal Peak	110.9	2
MT. Ord	123.0	3
Diamond Pt/Horse Thief	131.8	4
Aztec/Harquahala	136.5	5
Bronco Butte	141.3	6

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# Arizona State Forestry Radio Plan 2016

Group # 17 BLM Phoenix Mix		
CH #	Channel Name	Tone#
1	BLM PHX	Chart
2	BLMTAC 1	15
3	BLMTAC 2	15
4	BLMCRW1	15
5	TNFFIRE1	Chart
6	TNFFIRE2	Chart
7	FS TAC 1	15
8	VFIRE 21	15
9	AZSFRPT3	0
10	AZSFRPT5	0
11	AZSFTAC1	4
12	AZSFTAC2	3
13	AZA/G 60	15
14	AZA/G 61	15
15	AZA/G 27	15
16	AIRGUARD	0

Group # 17 BLM Phoenix Mix		
CH #	Channel Name	Tone#
1	BLM PHX	Chart
2	BLMTAC 1	15
3	BLMTAC 2	15
4	BLMCRW1	15
5	TNFFIRE1	Chart
6	TNFFIRE2	Chart
7	FS TAC 1	15
8	VFIRE 21	15
9	AZSFRPT3	0
10	AZSFRPT5	0
11	AZSFTAC1	4
12	AZSFTAC2	3
13	AZA/G 60	15
14	AZA/G 61	15
15	AZA/G 27	15
16	AIRGUARD	0

## Arizona State Forestry Radio Plan 2016

<b>Group # 18 BLM Yuma 2016</b>							Frequency Band		<b>User Select Code Guard is NOT AVAILABLE for this group.</b>		
							<b>VHF</b>				
	Owner	Channel Name	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks	
1	BLM	TELGRAPH	CMD & COORD	173.8250	N	167.9	163.5750	131.8	A	Telegraph Repeater	
2	BLM	CUNIGHAM	CMD & COORD	173.8250	N	167.9	163.5750	103.5	A	Cunningham Repeater	
3	BLM	BLACKMTN	CMD & COORD	173.8250	N	167.9	163.5750	114.8	A	Black Mountain Repeater	
4	BLM	BLAKMETL	CMD & COORD	169.7750	N	167.9	165.0750	146.2	A	Black Metal Repeater	
5	BLM	OATMANLE	CMD & COORD	165.6000	N	110.9	166.9250	114.8	A	Law Enforcement Oatman Repeater	
6	BLM	SMITH PK	CMD & COORD	169.7750	N	167.9	165.0750	136.5	A	Smith Peak Repeater	
7	BLM	CRISMTR	CMD & COORD	169.7750	N	167.9	165.0750	110.9	A	Christmas Tree Repeater	
8	BLM	FIRETAC1	Tactical Simplex	168.2750	N	0.0	168.2750	0.0	A	AKA BLM TAC 1 or TAC 10 & SOA	
9	BLM	FIRETAC2	Tactical Simplex	170.0250	N	0.0	170.0250	0.0	A	AKA BLM TAC 2 or TAC 20 & SOA	
10	SWCC	AZA/G 34	Air to Ground	167.1750	N	0.0	167.1750	0.0	A	Zone 7 Initial Attack Air to Ground	
11	AZ AIRS	VFIRE 21	Mutual Aid Simplex	154.2800	N	0.0	154.2800	0.0	A	Arizona Statewide Fire Mutual Aid	
12	SWCC	AZA/G 44	Air to Ground	167.6250	N	0.0	167.6250	0.0	A	Zone 7 Initial Attack Air to Ground	
13	US FWS	FWS CREW	Tactical Simplex	169.7000	N	0.0	169.7000	0.0	A	US Fish & Wildlife Service Crew	
14	Local SO	YUMA SO	Command Repeater	158.7300	N	0.0	154.7100	0.0	A	Yuma Sherriffs Office Repeater	
15	Local FD	WINTHAVN	Command Repeater	154.4300	N	0.0	153.7700	110.9	A	Winterhaven Fire Dept Repeater	
16	USFS	AIRGUARD	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Emergency Aircraft Air to Ground	

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## Arizona State Forestry Radio Plan 2016

Group # 19 Phoenix Fire Dept "A Deck" 2016								Frequency Band		User Select Code Guard is <b>NOT AVAILABLE</b> for this group.		
								VHF				
	Owner	Channel Name	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks		
1	Phoenix FD	PFD A1	Monitor	154.1900	N	173.8	RX ONLY	N/A	A	Phoenix Fire Dept Dispatch, Dispatch <b>RX Only</b>		
2	Phoenix FD	PFD A2	Tactical Simplex	154.2500	N	173.8	154.2500	173.8	A	<b>For Alarm Room Contact &amp; Info</b> , East Phoenix		
3	Phoenix FD	PFD A3	Tactical Simplex	154.0700	N	D516	154.0700	D516	A	West Phoenix		
4	AZ AIRS	PFD A4	Mutual Aid Simplex	154.2800	N	0.0	154.2800	173.8	A	Arizona Statewide Fire Mutual Aid		
5	Phoenix FD	PFD A5	Tactical Simplex	153.8300	N	D546	153.8300	D546	A	Northeast Phoenix		
6	Phoenix FD	PFD A6	Tactical Simplex	154.3100	N	D565	154.3100	D565	A	Northwest Phoenix		
7	Phoenix FD	PFD A7	Tactical Simplex	154.1450	N	D606	154.1450	D606	A	City of Tempe		
8	Phoenix FD	PFD A8	Tactical Simplex	153.7700	N	D612	153.7700	D612	A	South Phoenix		
9	Phoenix FD	PFD A9	Tactical Simplex	155.6700	N	D624	155.6700	D624	A	West Phoenix		
10	Phoenix FD	PFD A10	Tactical Simplex	151.3700	N	173.8	151.3700	173.8	A	Far North Phoenix, Daisy Mtn Fire District		
11	Phoenix FD	PFD A11	Tactical Simplex	154.0250	N	173.8	154.0250	173.8	A	City of Scottsdale		
12	Phoenix FD	PFD A12	Tactical Simplex	154.1300	N	D662	154.1300	D662	A	Southeast		
13	Phoenix FD	PFD A13	Tactical Simplex	154.4300	N	D654	154.4300	D654	A	Southwest		
14	Local FD	BLKCANYN	Command Repeater	155.7450	N	0.0	150.8050	192.8	A	Black Canyon City Fire Dept Repeater		
15	Local FD	WIKNBURG	Command Repeater	155.8650	N	100.0	158.9250	100.0	A	Wickenburg Fire Dept Repeater		
16	USFS	AIRGUARD	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Emergency Aircraft Air to Ground		

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## Arizona State Forestry Radio Plan 2016

Group # 20 Payson & Mesa Fire Depts 2016							Frequency Band		User Select Code Guard is <b>NOT AVAILABLE</b> for this group.		
							VHF				
	Owner	Channel Name	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks	
1	Local FD	PAYSONFD	Dispatch Repeater	154.4300	N	0.0	155.9250	D343	A	Payson Fire Dept Dispatch	
2	Local FD	PYSN RPT	Command Repeater	154.4300	N	0.0	154.1750	136.5	A	Payson Fire Dept Repeater	
3	Local FD	HGATE T5	Tactical Simplex	154.2050	N	0.0	154.2050	151.4	A	Hellsgate Fire Dept	
4	Local FD	HGATE T6	Tactical Simplex	154.3850	N	D132	154.3850	D132	A	Hellsgate Fire Dept	
5	Local FD	PINESTRW	Command Repeater	154.2650	N	107.2	159.4650	107.2	A	Pine Strawberry Fire Dept Repeater	
6	Local FD	GLOBE	Command Repeater	154.1750	N	162.2	159.3000	162.2	A	Globe Fire Dept Repeater	
7	Local FD	TRI CITY	Command Repeater	154.2350	N	88.5	158.9850	88.5	A	Tri City Fire Dept Repeater	
8	Local FD	CANYON	Command Repeater	154.3550	N	167.9	150.8050	167.9	A	Canyon Fire Dept Repeater	
9	AZ AIRS	VFIRE 21	Mutual Aid Simplex	154.2800	N	0.0	154.2800	173.8	A	Arizona Statewide Fire Mutual Aid	
10	Local FD	RURAL 2	Command Repeater	154.3700	N	114.8	153.8900	114.8	A	Rural Metro Channel 2 Dispatch?	
11	Local FD	RURAL 5	Tactical Simplex	154.4000	N	114.8	154.4000	114.8	A	Rural Metro Channel 5	
12	Local FD	CASGRND1	Tactical Simplex	159.1200	N	141.3	159.1200	141.3	A	Casa Grande Fire Dept Channel 1	
13	Local FD	CASGRND2	Command Repeater	154.4450	N	114.8	158.9850	114.8	A	Casa Grande Fire Dept Channel 2	
14	Mesa FD	MESA 1	Tactical Simplex	154.3400	N	D114	154.3400	D114	A	Mesa Fire Dept Channel 1	
15	Mesa FD	MESA 2	Tactical Simplex	154.2350	N	D115	154.2350	D115	A	Mesa Fire Dept Channel 2	
16	USFS	AIRGUARD	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Emergency Aircraft Air to Ground	

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## Arizona State Forestry Radio Plan 2016

<b>Group # 21 NorthWest District (A5S) Prescott Office Group 2016</b>							Frequency Band		<b>User Select Code Guard is Required</b>			Radio Program ONLY
							<b>VHF</b>					
	Owner	Channel Name	Tone	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks	
1	AZSF	AZSFRPT1	10	CMD & COORD	151.4000	N	162.2	159.4050	162.2	A	Arizona State Forestry Bill Williams Mtn & Towers Mtn Repeaters	103.5
2	AZSF	AZSFRPT2	3	CMD & COORD	151.4150	N	123.0	159.4350	123.0	A	Arizona State Forestry Mingus Mtn Repeater	110.9
3	AZ AIRS	VFIRE 21	15	Mutual Aid Simplex	154.2800	N	0.0	154.2800	0.0	A	Arizona Statewide Fire Mutual Aid	123.0
4	AZSF	AZSFTAC1	0	Tactical Simplex	159.3300	N	131.8	159.3300	131.8	A	Arizona State Forestry TAC 1 CH 10	131.8
5	AZSF	AZSFTAC3	11	Tactical Simplex	159.2400	N	173.8	159.2400	173.8	A	Arizona State Forestry TAC 3 CH 12	136.5
6	USFS	PNF RPTS	Chart	Command Repeater	173.9250	N	0.0	165.7500	Chart	A	Prescott National Forest, Fire Net Repeaters	146.2
7	USFS	FS TAC 1	15	Tactical Simplex	167.5500	N	0.0	167.5500	0.0	A	US Forest Service TAC 1	156.7
8	USFS	FS TAC 2	15	Tactical Simplex	168.6750	N	0.0	168.6750	0.0	A	US Forest Service TAC 2	167.9
9	PRCC	PRCCALM1	6	Dispatch Repeater	154.1600	N	146.2	158.9625	146.2	A	PRCC Dispatch "Alarm Channel 1" PRCC CH 1	179.9
10	PRCC	PRCCMD 2	6	Command Repeater	154.3400	N	146.2	153.9500	146.2	A	PRCC "Fire Command 2" PRCC CH 2	162.2
11	PRCC	PRCCCMD8	6	Command Repeater	154.3400	N	146.2	153.9500	146.2	A	PRCC "Fire Command 8" PRCC CH 8	173.8
12	PRCC	PRCCTAC9	0	Tactical Repeater	155.5575	N	156.7	158.9325	156.7	A	PRCC Tactical "Fire TAC 9" PRCC CH 9	156.7
13	PRCC	PRCCMD11	0	Command Repeater	154.2200	N	146.2	159.0525	146.2	A	PRCC "Fire Command 11" PRCC CH 11	146.2
14	PRCC	MAYRWEST	0	Command Repeater	154.1300	N	114.8	159.3675	114.8	A	Mayer FD West Command PRCC CH 1 Zone 1	114.8
15	PRCC	MAYREAST	3	Command Repeater	151.1675	N	123.0	159.3675	123.0	A	Mayer FD East Command PRCC CH 2 Zone 2	0.0
16	USFS	AIRGUARD	0	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Emergency Aircraft Air to Ground	110.9

<b>Group # 21 CH 6 Prescott NF RPTS</b>		
Repeater Chart	Tone	Tone#
Union	103.5	1
Mingus Mtn	110.9	2
Bill Williams	123.0	3
Towers Mtn	131.8	4
Squaw Peak	136.5	5
Hyde	146.2	6
Wildflower	156.7	7
Portable Repeater	167.9	8
Spruce Mtn	179.9	9

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# Arizona State Forestry Radio Plan 2016

Group # 21 Prescott Office Mix		
CH #	Channel Name	Tone#
1	AZSFRPT1	10
2	AZSFRPT2	3
3	VFIRE 21	15
4	AZSFTAC1	0
5	AZSFTAC3	11
6	PNF RPTS	Chart
7	FS TAC 1	15
8	FS TAC 2	15
9	PRCCALM1	6
10	PFDCMD 2	6
11	PRCCCMD8	6
12	PRCCTAC9	0
13	PRCCMD11	0
14	MAYRWEST	0
15	MAYREAST	3
16	AIRGUARD	0

## Arizona State Forestry Radio Plan 2016

<b>Group # 22 NorthWest District (A5S) Yavapai East/ I-17 Corridor 2016</b>							Frequency Band		<b>User Select Code Guard is NOT AVAILABLE for this group.</b>		
							<b>VHF</b>				
	Owner	Channel Name	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks	
1	Local FD	CTWD ALM	Command Repeater	158.7975	N	162.2	158.7975	162.2	A	Cottonwood Fire Dept Dispatch Center	
2	USFS	COF SQWS	Command Repeater	172.3000	N	0.0	164.8750	103.5	A	Coconino NF Squaw Repeater South	
3	USFS	PNF SQUW	Command Repeater	173.9250	N	0.0	165.7500	136.5	A	Prescott NF Squaw Repeater	
4	AZ AIRS	VAIRS 5	Command Repeater	155.4750	N	0.0	155.1900	167.9	A	Region 5 Repeater for Yavapai Counties	
5	AZ AIRS	VFIRE 21	Mutual Aid Simplex	154.2800	N	0.0	154.2800	0.0	A	Arizona Statewide Fire Mutual Aid	
6	USFS	FS TAC 1	Tactical Simplex	167.5500	N	0.0	167.5500	0.0	A	US Forest Service TAC 1	
7	USFS	FS TAC 2	Tactical Simplex	168.6750	N	0.0	168.6750	0.0	A	US Forest Service TAC 2	
8	USFS	FS TAC 3	Tactical Simplex	168.7750	N	0.0	168.7750	0.0	A	US Forest Service TAC 3	
9	AZSF	AZSFRPT1	CMD & COORD	151.4000	N	162.2	159.4050	162.2	A	Arizona State Forestry Bill Williams Mtn & Towers Mtn Repeaters	
10	AZSF	AZSFRPT2	CMD & COORD	151.4150	N	123.0	159.4350	123.0	A	Arizona State Forestry Mingus Mtn Repeater	
11	AZSF	AZSFTAC1	Tactical Simplex	159.3300	N	131.8	159.3300	131.8	A	Arizona State Forestry TAC 1	
12	BLM	BLMTAC 1	Tactical Simplex	168.2750	N	0.0	168.2750	0.0	A	AKA BLM TAC 10, FIRE TAC 1, SOA	
13	BLM	BLMTAC 2	Tactical Simplex	170.0250	N	0.0	170.0250	0.0	A	AKA BLM TAC 20, FIRE TAC 2, SOA	
14	SWCC	AZA/G 60	Air to Ground	169.1250	N	0.0	169.1250	0.0	A	Zone 6 Initial Attack Air to Ground #1	
15	SWCC	AZA/G 61	Air to Ground	169.2875	N	0.0	169.2875	0.0	A	Zone 6 Initial Attack Air to Ground #2	
16	USFS	AIRGUARD	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Aircraft Emergency Air to Ground	

**TX & RX Tones are programmed in per channel. The User Select Tone Guard option is NOT available to the radio user.**

## Arizona State Forestry Radio Plan 2016

<b>Group # 23 BLM Kingman 2016</b>							Frequency Band		<b>User Select Code Guard is NOT AVAILABLE for this group.</b>		
							<b>VHF</b>				
	Owner	Channel Name	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks	
1	BLM	HAYDENPK	Command Repeater	170.5125	N	151.4	164.2500	127.3	A	BLM Hayden Pk Repeater	
2	BLM	BLCKMETL	Command Repeater	169.7750	N	167.9	165.0750	146.2	A	BLM Black Rock Mtn Repeater?	
3	BLM	CUNIGHAM	Command Repeater	173.8250	N	167.9	163.5750	103.5	A	BLM Cunningham Mtn Repeater	
4	BLM	GREENWOOD	Command Repeater	170.5125	N	151.4	164.2500	156.7	A	BLM Greenwood Repeater	
5	BLM	CRISMTRE	Command Repeater	169.7750	N	167.9	165.0750	110.9	A	BLM Christmas Tree Pass Repeater	
6	BLM	PERKINS	Command Repeater	170.5125	N	151.4	164.2500	141.3	A	BLM Perkins Repeater	
7	BLM	BLMTAC 1	Tactical Simplex	168.2750	N	0.0	168.2750	0.0	A	AKA BLM TAC 10, FIRE TAC 1, SOA	
8	USFS	BLMTAC 2	Tactical Simplex	170.0250	N	0.0	170.0250	0.0	A	AKA BLM TAC 20, FIRE TAC 2, SOA	
9	AZ AIRS	VAIRS 4	Command Repeater	155.4750	N	0.0	155.1900	123.0	A	Region 4 Repeater for Mohave, Navajo, Apache & Santa Cruz Counties	
10	AZ AIRS	VFIRE 21	Mutual Aid Simplex	154.2800	N	0.0	154.2800	0.0	A	Arizona Statewide Fire Mutual Aid	
11	AZSF	AZSFRPT2	CMD & COORD	151.4150	N	123.0	159.4350	123.0	A	Arizona state Forestry Mingus Mtn & Black Metal Mtn Repeaters	
	AZSF	AZSFRPT4	CMD & COORD	151.4000	N	123.0	159.4050	123.0	A	arizona State Forestry Cunningham Mtn Repeater	
13	AZSF	AZSFTAC1	Tactical Simplex	159.3300	N	131.8	159.3300	131.8	A	Arizona State Forestry TAC 1	
14	SWCC	AZA/G 34	Air to Ground	167.1750	N	0.0	167.1750	0.0	A	Zone 7 #1, Zone 2 #1	
15	SWCC	AZA/G 04	Air to Ground	159.3450	N	192.8	159.3450	192.8	A	Zone 7 #2	
16	USFS	AIRGUARD	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Emergency Aircraft Air to Ground	

**TX & RX Tones are programmed in per channel. The User Select Tone Guard option is NOT available to the radio user.**

## Arizona State Forestry Radio Plan 2016

<b>Group # 24 Weather 2016</b>							Frequency Band		<b>User Select Code Guard is NOT AVAILABLE for this group.</b>		
							<b>VHF</b>				
	Owner	Channel Name	Assignment/Function	Rx Freq	N or W Band	Rx Tone	Tx Freq	Tx Tone	Mode	Remarks	
1	NWR Stations	WX-1	Monitor	162.4000	W	0.0	Rx Only	0.0	A	Weather- Show Low, Flagstaff, Tucson	
2	NWR Stations	WX-2	Monitor	162.4250	W	0.0	Rx Only	0.0	A	Weather- Kingman, Payson, N. Gila County	
3	NWR Stations	WX-3	Monitor	162.4500	W	0.0	Rx Only	0.0	A	not used in Arizona	
4	NWR Stations	WX-4	Monitor	162.4750	W	0.0	Rx Only	0.0	A	Weather- Grand Canyon	
5	NWR Stations	WX-5	Monitor	162.5000	W	0.0	Rx Only	0.0	A	Weather- Nogales, Globe, South Gila County	
6	NWR Stations	WX-6	Monitor	162.5250	W	0.0	Rx Only	0.0	A	Weather- Greer, Prescott	
7	NWR Stations	WX-7	Monitor	162.5500	W	0.0	Rx Only	0.0	A	Weather- Phoenix, Safford, Window Rock	
8	AZ AIRS	VFIRE 21	Mutual Aid Simplex	154.2800	N	0.0	154.2800	0.0	A	Arizona Statewide Fire Mutual Aid	
9	AZ AIRS	VFIRE 22	Mutual Aid Simplex	154.2650	N	0.0	154.2650	0.0	A	VFIRE 22 Fire Mutual Aid	
10	AZ AIRS	VMED 29	Tactical Simplex	155.3475	N	0.0	155.3475	156.7	A	Arizona Statewide Tactical Operations/Medivac Helicopter Air to Ground	
11	USFS	FEDTRAV2	Simplex	163.1000	N	0.0	163.1000	0.0	A	Federal Travel 2 Car to Car	
12	AZSF/AZ AG	AZWHTANK	Tactical Repeater	154.6800	N	103.5	155.9100	162.2	A	White Tanks Tactical Repeater	
13	AZSF/AZ AG	AZLEMMON	Tactical Repeater	154.6800	N	103.5	155.9100	141.3	A	Mt Lemmon Tactical Repeater	
14	AZSF	AZ ST FF	Flight Following	154.9350	N	0.0	154.9350	110.9	A	Arizona State Forestry Flight Following	
15	USFS	NAT FF	Flight Following	168.6500	N	110.9	168.6500	110.9	A	National Flight Following	
16	USFS	AIRGUARD	Air to Ground	168.6250	N	0.0	168.6250	110.9	A	Emergency Aircraft Air to Ground	

**TX & RX Tones are programmed in per channel. The User Select Tone Guard option is NOT available to the radio user.**



**National Interagency Incident Communications Division**  
**NATIONAL INTERAGENCY FIRE CENTER**  
**3833 South Development Avenue**  
**Boise, Idaho 83705-5354**



Memorandum

Date: April 8, 2016

To: Geographic Area Center Managers

From: Communications Duty Office Coordinator

Subject: Southwest Coordination Center Initial Attack Air to Ground FM Frequency Assignments for 2016 Fire Season.

The frequency information provided with this letter validates air to ground frequencies and the naming convention for the coming 2016 fire season. Air to Ground radio frequency assignments used for initial attack are coordinated by the National Interagency Fire Center (NIFC) National Interagency Incident Communications Division (NIICD), Communications Duty Office Coordinator (CDO). The Air to Ground assignments are provided by the Department of Interior, the Department of Agriculture and some Statewide Interoperability Communications Coordinators (SWICC). It has become increasingly difficult to meet the growing demand for radio frequency spectrum and it is expected that future requirements cannot be met without aggressive frequency management and extensive sharing among all agencies.

All IA/EA/ARMZ frequency maps are stored on the FTP site <ftp.nifc.gov>. Instructions to obtaining access to the FTP site are in the attached documents.

#### **Initial Attack FM Air to Ground Assignments**

Air to Ground frequencies provide communication between initial attack aircraft and ground crews operating within the initial attack zone. Agency mobiles and portables responding to initial attack within a zone require air to ground assignments to be authorized, or licensed, so that agencies may configure equipment prior to fire season, without requiring "on the fly" changes during the fire season. In the event that the assigned frequencies may not be sufficient to support extensive fire activity temporary assignments may be requested from the Communication Duty Officer (CDO) to supplement the initial attack zone.

Each agency is represented by a frequency manager and NIICD has worked with these managers to coordinate frequency resources for use in accordance with the radio frequency authorization (RFA) or temporary use authority that permits operation on that frequency.

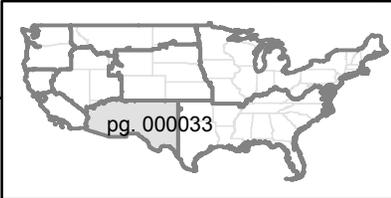
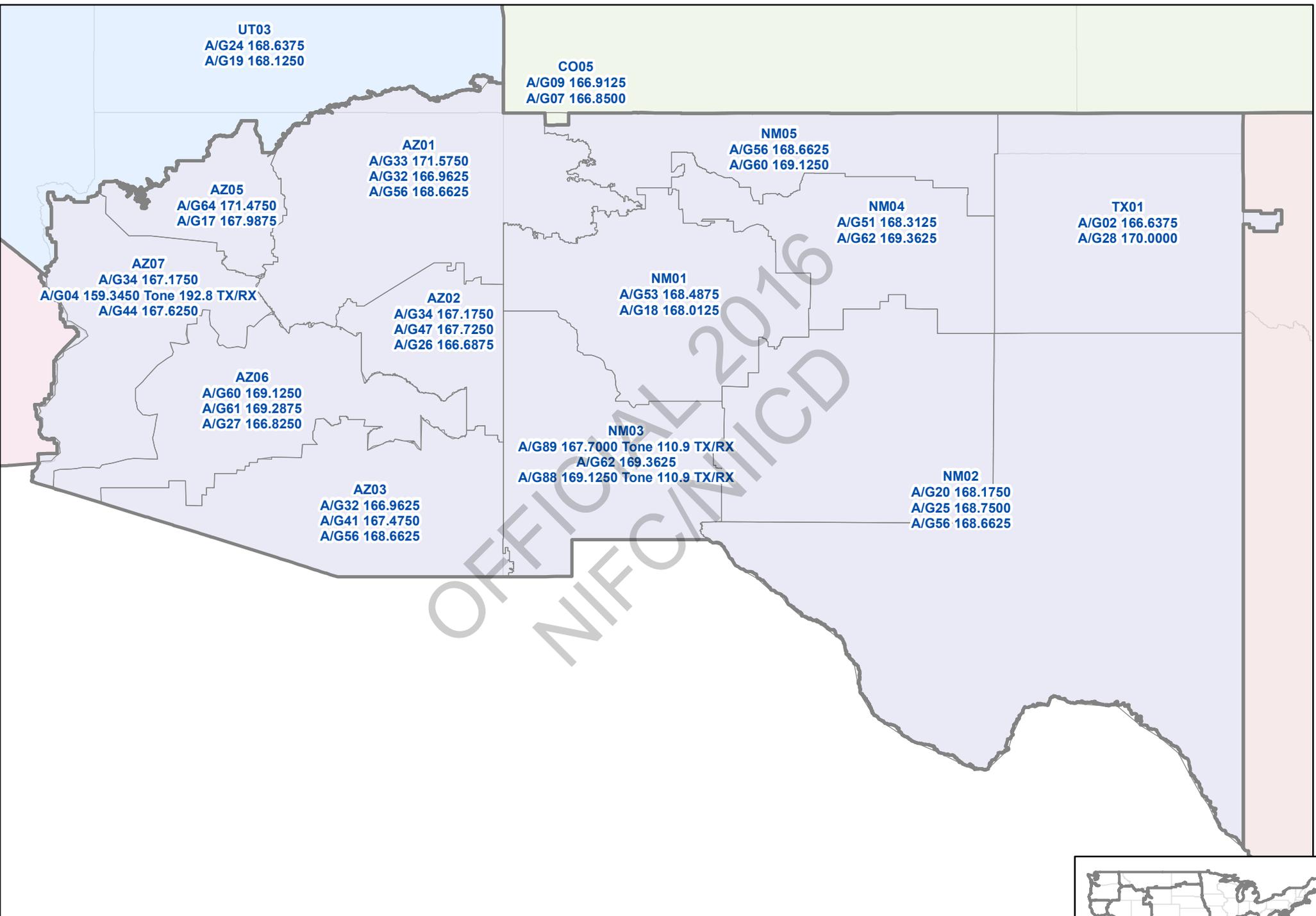
#### **Initial Attack Zone Boundaries**

When changes to initial attack zone boundaries are planned, NIICD will make a representative available to assist GACC managers with coordination of frequency requirements in order to facilitate a timely transition. Any zone boundary changes must be planned out in advance and will not reflect changes until the next fire season.

#### **Sensitive But Unclassified**

Under the authority of the National Telecommunications and Information Administration (NTIA), Department of Interior and Department of Agriculture have designated specific frequencies nationwide for assignment and use by NIFC to support their all-risk-management missions. These radio frequency assignments are Freedom of Information Act (FOIA) release exempt and are to be protected as Sensitive But Unclassified (SBU) data.

# A/G FM Frequencies by Initial Attack Zone: Southwest - SWCC



The frequencies on this map are Unclassified but Sensitive and are not releasable under the Freedom of Information Act



Arizona State Forestry Division  
Bureau of Indian Affairs: Southwest, Navajo, Western Regions  
Bureau of Land Management: Arizona, New Mexico  
National Park Service, Intermountain Region  
New Mexico State Forestry Division  
U. S. Fish and Wildlife Service, Region 2  
U. S. Forest Service



**Date: March 14, 2016**

To: Agency Line Officers and Fire Management Officers

From: Chair, Southwest Coordinating Group

Subject: Southwest Standard Air to Ground Frequency for Air MedEvacs on Wildland Fire Incidents

The lack of a standard Air to Ground frequency for Air Ambulances responding to medevac incidents on wildland fire incidents has resulted in a number of documented complications over the last several years in the wildland fire community. With several vendors providing air ambulance services in Arizona and New Mexico, and vendors having varying degrees of programming capabilities while in flight, the benefit of identifying a standard has become very evident.

During the winter of 2014/2015 frequency managers at the National Interagency Fire Center (NIFC) researched the feasibility of setting a national standard frequency for Air Ambulance/Air MedEvac for wildland fire. No single national solution was available. The direction from NIFC was for each state to pursue a solution at the local level. NIFC indicated the use of one of the National Interoperability Field Operations Guide (NIFOG) frequencies may be established for this purpose if coordinated with state cooperators (reference <http://www.dhs.gov/national-interoperability-field-operations-guide>).

Effective immediately, all wildland fire agencies in the Southwest Geographic Area have adopted VMED28 as the primary Air to Ground frequency when dealing with Air Ambulance/Air MedEvac operations under our operational control. VMED 29 will be utilized as a secondary frequency in rare occasions when VMED 28 is being utilized on an adjacent medical emergency. This will reduce the potential for conflict and increase the safety of ground resources as well as medical providers responding. We are requesting Air Ambulance providers who may respond to incidents in Arizona and New Mexico have these frequencies programmed into their radios if equipped with a VHF FM radio.

PRIMARY

**“VMED28” = Rx 155.3400 MHz, Tx 155.3400 MHz with Tx CTCSS tone 156.7 Hz**

SECONDARY

**“VMED29” = Rx 155.3475 MHz, Tx 155.3475 MHz with Tx CTCSS tone 156.7 Hz**

The selection of these frequencies was coordinated with the Arizona and New Mexico Offices of Homeland Security’s Statewide Interoperability Coordinator. The Office of Homeland Security has provided blanket authorization to the wildland fire agencies in Arizona and New Mexico for the use of these frequencies for this designated purpose. The designation of this standard does not prevent alternate or contingent frequencies from being established.

In the event there is a non-wildland fire medical emergency requiring air medevac and the incident is under operational control by one of the Southwest interagency dispatch centers VMED28 and VMED29 is authorized for use.



Loren W. DeRosear  
Chair, Southwest Coordinating Group

3/14/16  
Date



# Arizona State Forestry Radio Frequency Sharing Agreement



**Authorization to share Radio Frequencies  
through Inter Governmental Agreement (IGA) and Co-Operative Fire Agreement between the  
Arizona State Forestry (AZSF)**

**&  
Arizona Fire Departments, Jurisdictions, Agencies & Organizations under IGA, Cooperative Fire Agreement and other  
Agreements with the AZSF**

The purpose of this agreement is to provide for the sharing of specific radio frequencies that are licensed to each agency. This agreement is needed to provide safe, efficient and cost effective radio communications support for emergency relief operations conducted under the jurisdiction of the agencies making this agreement. This agreement to share certain radio frequencies is entered under the authority of the FCC Rules Regulation Part 90, Sections 90.421 and Section 2.103 and under the authority and agreements established under the umbrella of the AZSF including; Cooperative Fire Rate (CFR) and Emergency Equipment Rental Agreements (EERA's). The parties to this agreement hereby agree to the following conditions and agree to govern the mutual use of their respective radio frequencies identified in an attachment to this agreement. This agreement authorizes the Arizona State Forestry to operate on your agency licensed frequencies that you have identified below and/or this agreement allows your agency to operate on frequencies licensed by the AZSF which can be found in the annual AZSF Radio Communications Guide available by through the Arizona Dispatch Center, 1-800-309-7081 or available via email request to: [communications@azsf.gov](mailto:communications@azsf.gov).

- |  |   |
|--|---|
| <p>1. Each agency shall exercise control and be responsible for all radio transmissions on their authorized/licensed frequency. It shall be possible to immediately terminate the use of a specific frequency when it is deemed necessary by the controlling agency.</p> <p>2. Local dispatch and management procedures between the agencies of this agreement will be used to provide for orderly control of each other's frequencies.</p> <p>3. This agreement is for mobile, portable, and transportable radios only. Permanently installed base stations are not included in this agreement.</p> <p>4. Frequencies for use must include the operating frequency, bandwidth, emission, power output limitations and operational information regarding the use of the frequency.</p> | <p>5. Use of the listed frequencies under conditions other than identified in this agreement will be reported as interference, and appropriate action taken.</p> <p>6. Some two-way radio frequencies are used only for line-of-sight (simplex) communications. The controlled use of these simplex frequencies by the licensed agency ensures effective communications. Uncontrolled use of simplex frequencies in local areas could result in operational loss of shared frequencies due to congested radio traffic. Therefore, requests for <i>extended</i> use of all simplex frequencies shall be forwarded to the controlling agency Dispatch Center for frequency assignment during extended use periods such as large incidents. This will only apply when the uses of these simplex frequencies will potentially "tie-up" the frequency on extended incidents.</p> |
|--|---|

This agreement may be modified by written amendments with the mutual consent of both agencies. Unless otherwise provided, this agreement continues indefinitely and is effective as of the date of signatures. Either party may terminate this agreement by providing 30 days written notice. Please sign and return this document to; Arizona State Forestry-Communications, 2901 West Pinnacle Peak Road, Phoenix, Arizona 85027-1002 (or) FAX: 623-445-0284 or EMAIL: [communications@azsf.gov](mailto:communications@azsf.gov).

AGENCY SIGNATURE: \_\_\_\_\_

AZSF SIGNATURE: \_\_\_\_\_

NAME: \_\_\_\_\_

NAME: \_\_\_\_\_

TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_

TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_

AZSF frequencies which are part of this agreement for your use on interagency incidents are indicated in the 2016 AZSF Wildland Fire Radio Programming Guide. \*\* If you have licensed frequencies that you wish to share with the AZSF, please list these frequencies below indicating any limitations for our use. (I.e. power output limitations, total # of radios you are authorizing AZSF to operate with your agency frequencies, etc.... ↘)

Channel Configuration	RX Freq N or W	RX CTCSS/Tone/NAC	TX Freq N or W	Tx CTCSS/Tone/NAC	Mode A, D or M	FCC Call Sign	Max ERP Watts	Remarks

Return this signed page to:  
Arizona State Forestry-Communications  
2901 West Pinnacle Peak Road, Phoenix, Arizona 85027-1002  
(or) FAX: 623-445-0284 or EMAIL: [communications@azsf.gov](mailto:communications@azsf.gov)