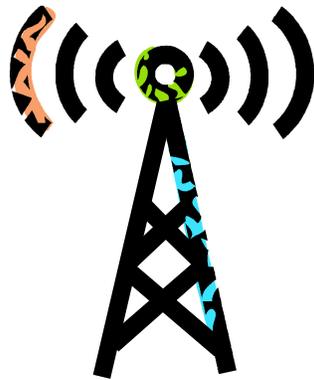


PROSPECTUS

WIRELESS COMMUNICATIONS SITES

TUSAYAN EAST (SKINNER RIDGE AND GRANDVIEW)



June 2014

Kaibab National Forest
Southwest Region

**PROSPECTUS – TUSAYAN EAST WIRELESS COMMUNICATIONS SITES –
KAIBAB NATIONAL FOREST**

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**PROSPECTUS – TUSAYAN RANGER DISTRICT WIRELESS
COMMUNICATIONS SITES – KAIBAB NATIONAL FOREST**

I. BACKGROUND

The Forest Service, Kaibab National Forest (FS) and the wireless telephone industry (Industry) have identified the need to improve wireless communication services on the Tusayan Ranger District, in the town of Tusayan and in the Grand Canyon National Park. Two locations, Skinner Ridge and Grandview, have been identified as areas that will provide improved coverage for visitor safety and user convenience in these areas. Visual quality and wildlife are the primary concerns of site placement on the Tusayan Ranger District. The Kaibab National Forest Land Management Plan (Forest Plan) lists the Scenery Management Objectives in the area as moderate to high, with State Highway 64, the Arizona National Scenic Trail and Red Butte Traditional Cultural Property being the prominent visually sensitive locations on the District. Goshawk and California condor are the wildlife species which frequent the area. There is a need to mitigate visual and wildlife impacts of proposed communications site improvements.

Utilities exist along State Highway 64; however, distances away from the highway will require other sources for power (e.g., solar). The use of existing utilities will need to be coordinated with the local providers. Information about the availability of utility access and technical specifications of what can be provided will need to be obtained from individual companies.

There are a number of Forest Service roads that access the forest off State Highway 64 within the project area. The use of existing access roads to the forest will need to be identified in the concept plan (Section IV.1) and any changes to the existing conditions will need to be described in the proposal. If new access is needed from State Highway 64 to a proposed communications site, the applicant will need to coordinate with Arizona Department of Transportation (ADOT) in addition to the proposal in the concept plan. **Please include a copy of any communications with ADOT in your proposal.**

II. OVERVIEW OF THE OPPORTUNITY

This prospectus offers the successful applicant rights to pursue development of a single site or two sites, under two separate Communications Use Lease(s), hereinafter referred to as a “Lease”. The Skinner Ridge Communications Site is east of the City of Tusayan, in Section 7, T. 29 N., R. 4 E., Gila & Salt River Meridian, Coconino County, Arizona. The Grandview Communications Site is south of Grand Canyon National Park in Section 27, T. 30 N., R. 4 E., Gila & Salt River Meridian, Coconino County, Arizona (See Appendix B). Both areas are identified in the Forest Plan as potential communications sites. The exact location, height, and construction material for the proposed communications site improvements, especially towers will be proposed by the bidder and reviewed/approved by the FS. A Lease is authorized under the Act of October 21, 1976 (43 U.S.C. 1761), and the implementing regulations at 36 C.F.R. Part 251.

The FS has made every effort to present the information completely and correctly, but no warranty as to its accuracy is made. Each applicant is expected to make his/her own assessment of the business opportunity offered in this prospectus.

All interested parties have an equal opportunity to apply, with the exception of Members of Congress, Resident Commissioners, and current Forest Service employees. Any individual or entity 21 years of age or older may apply.

The FS does not guarantee a profitable operation; rather, applicants are responsible for reviewing the prospectus and making their own determination concerning business viability.

The FS is not obligated to accept the application with the highest return to the Government and reserves the right to issue the lease(s) on the basis of the proposal that best meets the overall FS goals and objectives. The FS reserves the right to issue a lease based solely on initial applications, without oral or written discussions.

The FS reserves the right to reject any or all applications, and to rescind the prospectus at any time before a lease is issued.

The FS does not guarantee issuance of any Lease to the successful bidder. Issuance of any Lease is contingent upon completion of the National Environmental Policy Act (NEPA) process and a subsequent decision by the Authorized Officer. The NEPA process may identify mitigation measures and adjustments to the selected applicant's proposal that will be required and made a part of the terms and conditions of any Lease that maybe issued.

III. DEVELOPMENT STIPULATIONS

The selected applicant(s) will be awarded the right to apply for the Lease. Upon completion of the NEPA process and a favorable decision by the Authorized Officer, a Lease may be issued to the selected applicant for a period up to thirty (30) years. Prior to expiration of the Lease, the FS and the Lessee shall analyze the future use of the communications facilities. If the FS decides to continue the use, a new Lease with any revised terms and conditions will be issued to the original Lessee or their successors. If it is decided that the communications sites are no longer needed, the requirements in Section V.B.6 of the Lease will be followed for decommissioning the sites. A sample Lease (Appendix A) is attached for the prospective holder's review. Main points to note are:

- A.** Communications site development and technical requirements shall conform to the standard Forest Service Lease (Appendix A), the Draft Skinner Ridge and Grandview Communications Site Management Plans (Appendix F and G), the completed NEPA documents, the prospectus, and the selected applicant's proposal.
- B.** The rental fees for communications uses paid to the government will be determined by the Authorized Officer in accordance with law, regulation, and policy.
- C.** If any Lease is issued, the Lessee will be required to provide space in and/or on their authorized facilities for other tenants and customers in accordance with Section IV.C. of the Skinner Ridge and Grandview Communications Site Management Plans.
- D.** The selected applicant will be required to hire a qualified environmental consultant to complete the environmental analysis as directed by the FS.

- E.** The Skinner Ridge and Grandview Communications Sites are designated as **Low Power Non-Broadcast**. This designation was established in the Kaibab National Forest Land and Resource Management Plan approved in 2014 within prescriptions which allow electronic sites. The primary objective is to manage these sites for low power communications uses only. The maximum power output is based on the maximum output allowed for two-way radio under the Federal Communications Commission's rules at Title 47, Code of Federal Regulations, Part 90. The maximum power output expressed as Effective Radiated Power (ERP) is typically based on height above average terrain (HAAT) to set the maximum radiated power levels allowed for two-way radio under the Federal Communications Commission's rules at Title 47, Code of Federal Regulations, Part 90. As of the 2003 regulation, Part 90 levels are limited to 500 watts ERP. Each use must operate at or below the power level authorized by their respective FCC license as long as it does not exceed the site limitation of 500 watts ERP. Cellular Mobile Data Service is exempt from this site ERP limitation as long as the use does not exceed the ERP limitations as described in the applicable FCC regulations at Title 47, Code of Federal Regulations, Part 22, Subpart H or Part 27, Subpart C. In addition, point to point microwave (FCC Part 101) is exempt from this site ERP limitation as long as non-occupational human radiation exposure levels are not exceeded by FCC regulation. No continuously transmitting uses are authorized at this site, excluding microwave and controller channels used in support of mobile radio equipment.
- F.** A Communications Use Lease may be assigned with prior written approval of the authorized officer.
- G.** The selected applicant will be expected to enter into a cost recovery agreement to cover costs the FS incurs in processing the application, including management and review of the NEPA analysis process, lease preparation, and finalizing the communications site management plans. The estimated processing cost to the successful applicant is **\$22,000**. An advance payment in full must be received prior to the FS performing any work associated with the application. Monitoring costs for construction activities will be calculated based on the approved plans and collected when a Lease is signed and prior to any construction activities.
- H.** The selected applicant (Lessee) must post a performance bond before starting construction that will cover removal costs of partially completed improvements and rehabilitation of the disturbed ground if the project is abandoned by the holder. **A performance bond shall be at least ten percent (10%) of the anticipated construction costs of a site and will be returned after construction is completed.**

After issuance of any Lease, development shall be started within 12 months and completed within 24 months. Road, building, and tower plans shall be prepared by a licensed architect or engineer and shall be approved by the FS before construction begins. All disturbance is restricted to the area of the project construction limits, and the construction limits shall be reshaped to a natural appearance, drained, and re-vegetated upon completion of the construction.

IV. INSTRUCTIONS FOR SUBMITTING A BID

All written proposal packages must be submitted to the Kaibab National Forest, 800 South 6th Street, Williams, AZ. 86046 *attention: Liz Schuppert*. The proposal packages must be received no later than 4:00 P.M. Mountain Standard Time on **July 16, 2014**.

Applicants must submit four (4) copies of their proposal and supporting documents. Upon selection of the successful bidder, all unsuccessful applicants' proposals and supporting documents will be destroyed

after the appropriate NEPA appeal period, unless the applicant has requested in writing that the materials be returned.

If information is missing or incomplete, the result will be a lower score with respect to the evaluation criteria to which the information pertains. Please ensure that all requested items are submitted. Companies or corporations submitting an application must sign using the name of the appropriate executive officer, together with the official address. Signing authority must be proved in accordance with 36 CFR 251.54 subpart (d) (2) (E) (ii).

Any oral statement made by a representative of the United States Department of Agriculture, Forest Service, shall not modify the requirements of this prospectus. If it is determined that an error or omission has been made, or additional information is required, a written amendment will be sent to each person receiving a copy of this prospectus.

The applicant's submission should consist of three separate documents: **1.) CONCEPT PLAN, 2.) BUSINESS PLAN, and 3.) PROPOSED FEE TO THE GOVERNMENT.** Further explanation of the application process can be found in the following section.

1. Concept Plan -- Bidders will submit a concept plan as detailed in the following section and are expected to make their bids conform to the requirements of the standard lease listed in Appendix A and to the draft communications site management plans in Appendix F and G. Additional provisions proposed by the successful bidder will be incorporated into the final communications site management plans which will be prepared after the NEPA decision is signed. The NEPA decision may also add requirements to the final communication site management plans. The following items must be addressed in the concept plan and are **listed in descending order for their significance in this project:**

- A.** The locations of communication sites to be constructed on the Tusayan Ranger District. The number and type of antenna support structures which the bidder plans to erect on the sites. Please note that no guyed towers will be authorized. Bidders should specify proposed heights for the support structures and locations in relation to background scenery as to avoid or minimize sky lighting, as well as extent and arrangement of facilities. Bidders should describe the measures they plan to employ to minimize the visual and wildlife effects of their proposed antenna support structure(s) and microwave dishes. Scaled drawings will be provided to describe proposed tower footprints, total tower heights, and tower cross section widths at the bottom, middle, and top of the towers and proposed microwave dish locations on the towers. The visual simulations of the towers must depict the drawings to scale along with the microwave dish locations. The simulated views will need to be from Highway 64, the Arizona National Recreation Trail, and the top of Red Butte.
- B.** A general description of the design principles and guidelines that the bidders will use to provide utilities to the site and to extend the utility service to individual customers and tenants. Bidders should describe any measures which they would apply to minimize visual impacts such as burying power lines as opposed to using above-ground power lines.
- C.** A general description of the design principles and guidelines that the bidder would use to develop road access to the sites and a description of the standards that would be used to construct, reconstruct, and maintain the access roads, as well as fencing, gates or other security measures. As a minimum, the standards should address design width, drainage, surface treatment if appropriate, fencing and gate materials, and how frequently road maintenance will be performed. If new access is needed from State Highway 64 to a proposed communications site, the applicant will need to coordinate with Arizona Department of Transportation (ADOT) in addition to

explaining access development in the concept plan. **Please include a copy of any communications with ADOT in your proposal.**

- D. A general description about the design principles and guidelines that the bidders will use to provide equipment shelters for customers and tenants. Bidders must describe how security will be provided to individual customers and tenants within the shelter facilities. The bidder will provide drawings to scale of their anticipated layout scenarios to describe the relationship of the equipment shelter building(s) to the towers and other proposed facilities such as the back-up power system. The description should also include details on the planned building design and exterior appearance so that the plan can be evaluated in the context of the undeveloped forested surroundings in the project areas.
- E. The numbers and types of communications uses that the bidder plans to accommodate within their equipment shelter building(s) and on their towers and the estimated cost of those facilities by site. The cost estimates for each site will be broken down into major components such as equipment shelters, towers, utility and back-up power development, and access development. Bidders must provide a logical and reasonable analysis to support their plans in regard to the kinds and numbers of customers and tenants which the bidder plans to accommodate.

Mitigation measures proposed by the bidders are considered to be binding commitments unless revised or changed by the NEPA decision. The evaluation of visual impacts will be based primarily on the projected effects of towers and buildings. No special credit in the bid evaluation process will be given to any technologies such as antenna combining technology, except for a common microwave system, to reduce visual impacts unless all the likely customers and tenants provide written agreements to the bidder that these customers and tenants would use that technology. The likely number of customers and tenants will need to be defined by the bidder in part E of the concept plan as described previously. Bidders will attach copies of any proposed agreements from potential customers and tenants to their concept plan.

2. Business Plan – Applicants are required to submit a Business Plan. In general, the Business Plan needs to depict the applicant’s business structure and company history and experience in construction and operation of communications facilities. The plan will be used by the FS to evaluate the applicant’s general business plans and managerial ability. It will be assumed for the initial evaluation that every applicant has the financial ability to construct, operate, and maintain the facilities proposed in their bids.

After an apparent successful applicant is identified, that bidder will be required to submit the information outlined in Appendix E for a financial ability determination (FAD) by the FS. The required information varies according to the nature of the applicant’s company or business. The applicant shall facilitate verification of the accuracy of the applicant’s financial information for the FS. A FAD can take up to 30 days.

If the apparent successful applicant is determined to be financially capable, the selection committee would recommend that the lease be awarded to that bidder. If not, the applicant with the next best bid package would be subjected to the financial ability determination until a financially capable applicant is identified. The lease would be awarded to the best proposal whose applicant is determined to be financially capable.

The business plan must be a separate document in the bid package. All financial information and projections are confidential information and will be protected by the FS, to the extent allowed in the Freedom of Information and Privacy Act (FOIA), 2 U.S.C. 552 and 552a respectively. If a bidder has any questions concerning Freedom of Information and Privacy Act issues, contact Jeanette Perkins, Kaibab

National Forest FOIA Coordinator, 928-635-8200. Bidders are encouraged to contact their local Small Business Development Center (SBDC) if they need assistance in completing their business plans.

A listing of the information that is required in the Business Plan follows. The Business Plan will be used in conjunction with information already required in the Concept Plan. Bidders are free to add additional information as they see fit.

1. A timetable for construction of proposed improvements.
2. A synopsis of the owner's/manager's experience in operating a communications facility.
3. A brief history of the bidder's business entity and the main activities (including activities located off of National Forest System lands).
4. A summary of the business organizational structure.
5. A listing of at least three business references with names, addresses, telephone numbers, and email addresses who can attest to relevant business experience. These references will be contacted for information regarding applicants' past performance. In addition, the FS may consider past performance information from other sources.

3. Proposed Fee to the Government – The annual rental fee paid to the Government for communications uses will be determined by the Authorized Officer in accordance with law, regulation, and policy. Bidders do have an opportunity to submit a bid premium. The bid premium is a flat rate that the bidder is willing to pay each year for the Lease and is in addition to the annual rental fee for communications uses. **The bidder will use the form in Appendix C to submit their proposed bid premium.**

V. SELECTION PROCESS

A Selection Committee appointed by the Forest Supervisor, consisting of FS employees and/or other technical experts, will make a recommendation to the Forest Supervisor regarding to whom the rights to pursue any approved development should be awarded. The Forest Supervisor will make the final selection decision. During the evaluation process, the FS Selection Committee may contact any references listed by the applicant, including all local, state, or Federal entities that have issued the applicant a current or past permit. All applicants will be notified of the selection within 60 days of the application submission deadline, via Certified Return Registered Receipt letter. The FS reserves the right to decline to issue a decision regarding rights to pursue development of communications sites as a result of this prospectus if, in the opinion of the Forest Supervisor, none of the proposals receives a high enough rating to assure environmental compatibility and quality customer service. The FS is not obligated to accept the application with the highest return to the Government. The FS reserves the right to reject any and all applications.

Evaluation Criteria: The FS Selection Committee will evaluate the submitted documents listed in Section IV. The three documents which are listed in order of their relative importance will be used to compare and rate the proposals. Ranking will be based on relative importance of criteria and professional judgment will determine the applicant best suited to provide the highest level of environmental compatibility and overall customer service. In general terms the evaluators will be comparing the proposals from all the different bidders to each other using the criteria listed.

1. **CONCEPT PLAN FEASIBILITY** (*Section IV*) – The five elements in the Concept Plan will be used as evaluation criteria. Overall quality, thoroughness, and completeness in describing how each of the elements will be met while minimizing environmental impacts will be evaluated and ranked. It should also be noted that the visual impacts are considered the most significant environmental issue for the general area. The evaluation of the visual quality objectives is based on the combination of the distance zone, sensitivity level and inherent scenic quality. Explanations and background information of scenic integrity and visual impacts of communications facilities are given in Appendix J. The five elements will be rated as listed in Section IV, 1. Concept Plan, in descending order for their significance in this project. More antennae or other equipment on a tower creates a more obvious visual profile, but the FS intends to favor bidders who can minimize the visual impacts of towers and microwave systems while providing the greatest number of communication development opportunities, especially for cellular telephone uses. The proposed designs from each bidder must include the capacity to accommodate at least three cellular telephone providers.
2. **BUSINESS PERFORMANCE** (*Section IV – Business Plan*) – The applicant’s business plan will be evaluated by using the factors listed in part IV.3 to develop a ranking among the bidders.
3. **FEES** (*Section IV – Proposed Fees to the Government*) – Proposed fees to the Government will be compared and ranked. The FS Selection Committee will use Appendix C to evaluate and compare proposed fees to the Government.

VI. APPEAL PROCESS

All applicants will be notified of the selected applicant. The decision by the FS associated with this prospectus is subject to appeal by those applicants who submitted a proposal in response to this prospectus in accordance with 36 CFR 214. A notice of appeal must be in writing and clearly state that this is a Notice of Appeal being filed pursuant to 36 CFR 214. Appeals must be received by the Appeal Deciding Officer (Regional Forester) within 45 days of the date on the notice of the written decision being appealed. Appeals can be filed at the following address: Regional Forester, Southwestern Region, 333 Broadway Blvd SE, Albuquerque, NM, 87102-3426.

VII. CONTACT FOR INFORMATION

Prospective applicants are urged to consult with Liz Schuppert, Kaibab National Forest, Supervisor’s Office, 800 S. 6th Street, Williams, AZ 86046, (928) 635-8367 or e-mail address - lschuppert@fs.fed.us, regarding questions related to the offering(s) in this prospectus such as permit conditions, operations of the communication sites, or other related submittal requirements.

APPENDIX A

Authorization ID: #AUTH_ID#
Contact ID: #HOLDER_ID#
Expiration Date: #EXPIRATION_DATE#
Use Code: #USE_CODE#

FS-2700-10b (v.05/09)
OMB 0596-0082
Exp. (10/31/2012)

**U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
COMMUNICATIONS USE LEASE
AUTHORITY:
#AUTHORITY_NAME#**

#HOLDER_NAME# of #HOLDER_ADD_LINE_1#, #HOLDER_ADD_LINE_2#, #HOLDER_ADD_LINE_3#,
#HOLDER_CITY#, #HOLDER_STATE#, #HOLDER_ZIP#.

THIS LEASE, dated this [] day of [] by and between the UNITED STATES OF AMERICA, acting through the Forest Service, Department of Agriculture (hereinafter called the "United States" or "Forest Service"), as authorized by the Act of October 21, 1976, (90 Stat. 2743; 43 U.S.C. 1761, et seq.), and #HOLDER_NAME#, its agents, successors, and assigns (hereinafter called the "Lessee").

The United States and the Lessee are jointly referred to herein as the "Parties". As used herein, the "Authorized Officer" refers to the Forest Service official having the delegated authority to execute and administer this lease. Generally, unless otherwise indicated, such authority may be exercised by the Forest Supervisor or District Ranger of the

[] National Forest wherein the following described lands are located.

The United States, for and in consideration of the terms and conditions contained herein and the payment to the United States of a rental in advance by the Lessee, does hereby grant to the Lessee a lease for the following described

communications facility in the County of [] State of [], #TOWNSHIP_SECT_RANGE# #FIRST_DIVISION# #FIRST_DIV_NAME_NUMBER#, #SECOND_DIVISION# #SECOND_DIV_NAME_NUMBER#, #THIRD_DIVISION# #THIRD_DIV_NAME_NUMBER# (hereinafter called the "property"). The Lessee accepts this lease and possession of the property, subject to any valid existing rights, and agrees not to use the property, or any part thereof,

except as a site for only the construction, operation, maintenance, and termination of a [] communications facility. Authorized facilities under this lease include:

<USER NOTES FOR FACILITIES>

<Insert the appropriate information in each field below. If unsure, reference FSH 2709.11, Chp. 90, section 90.5 for a definition of each type of facility.>

Equipment shelter(s): [Include dimensions and material]

Antenna support structure(s): [Include height and type]

Ancillary structure(s): [Fuel tanks, generators, outbuildings, fences, utilities within lease area & access.]

The location of the property is shown generally on the site management plan and/or map dated [] for the #COMM_SITE_FCLTY_NAME# Communications Site, which is attached and made part hereof as Exhibit A.

The dated and initialed exhibit(s), attached hereto, are incorporated into and made a part of this instrument as fully and effectively as if they were set forth herein in their entirety.

The parties agree that this lease is made subject to the following terms and conditions.

I. TENURE, RENEWAL AND TRANSFERABILITY

A. This lease shall terminate at one minute after midnight on [redacted]. Termination at the end of the lease term shall occur by operation of law and shall not require any additional notice or documentation by the Authorized Officer. This lease is not renewable; but the Lessee has the right to request a new lease pursuant to Paragraph "C" below.

B. The Lessee shall undertake and pursue with due diligence construction and operation that is authorized by this lease. To the extent specified in Exhibit [redacted] operation shall commence on [redacted]. This lease shall terminate if operation does not commence by that date, unless the parties agree in writing, in advance, to an extension of the commencement date.

C. If the Lessee desires a new lease upon termination of this lease, the Lessee shall notify the Authorized Officer accordingly, in writing. The notice must be received by the Authorized Officer at least one year prior to the end of the lease term. The Authorized Officer will determine if the use should continue and, if it is to continue, if a new lease should be issued to the Lessee and under what conditions. The Authorized Officer shall require payment of any amounts owed the United States under any Forest Service authorization before issuance of another authorization.

D. This lease is assignable with prior written approval of the Authorized Officer, except when rent has been exempted or waived in whole or part. Renting of space does not constitute an assignment under this clause.

II. RENTAL

A. The Lessee must pay in advance an annual rental determined by the Authorized Officer in accordance with law, regulation, and policy. The annual rental will be adjusted by the Authorized Officer to reflect changes in fair market value, annual adjustments using the Consumer Price Index - Urban (CPI-U), changes in tenant occupancy, or phase-in rental, if applicable.

USER NOTE "B" CLAUSE

Selection item 1. This is the standard clause for this authorization.

B. Rentals are due at the close of business on January 1 of each year for which a payment is due. Payments in the form of a check, draft, or money order are payable to USDA, Forest Service. If the due date for the rental or rental calculation statement falls on a non-work day, the charges shall not apply until the close of business on the next workday. This lease terminates if rent is not received by the Forest Service within 90 calendar days of the due date.

Selection item 2. Select this clause when the rental for the use authorized would be exempted or waived.

B. Fees for this use have been exempted or waived in full pursuant to 36 CFR 251.57, or revisions thereto, and direction in FSH 2709.11, chapter 90.

C. Pursuant to 31 U.S.C. 3717, et seq., interest shall be charged on any rental amount not paid within 30 days from the date the rental or rental calculation financial statement specified in this authorization becomes due. The rate of interest assessed shall be the higher of the rate of the current value of funds to the U.S. Treasury (i.e., Treasury tax and loan account rate), as prescribed and published by the Secretary of the Treasury in the Federal Register and the Treasury Fiscal Requirements Manual Bulletins annually or quarterly or at the Prompt Payment Act rate. Interest on the principal shall accrue from the date the rental or rental calculation financial statement is due. In addition, an administrative penalty at a percentage rate prescribed by law or regulation will be assessed for failure to pay any portion of the debt that is more than 90 days past due. This paragraph shall survive the termination or revocation of this lease, regardless of cause.

D. Disputed rentals are due and payable by the due date. No appeal of rentals will be considered by the Forest Service without full payment of the disputed amount.

III. RESPONSIBILITIES OF THE LESSEE

A. The Lessee is authorized to rent space and provide other services to customers and/or tenants and shall charge each customer/tenant a reasonable rental without discrimination for the use and occupancy of the facilities and services provided. The Lessee shall impose no unreasonable restrictions nor any restriction restraining competition or trade practices. By October 15 of each year, the Lessee shall provide the Authorized Officer a certified statement listing all tenants and customers, by category of use in the facility on September 30th of that year.

B. All development, operation and maintenance of the authorized facility, improvements, and equipment located on the property shall be in accordance with stipulations in the communications site management plan approved by the Authorized Officer. If required by the Authorized Officer, all plans for development, layout, construction, or alteration of improvements on the property, as well as revisions of such plans, must be prepared by a licensed engineer, architect, and/or landscape architect. Such plans must be approved in writing by the Authorized Officer before commencement of any work. After completion, as-built plans, maps, surveys, or other similar information will be provided to the Authorized Officer and appended to the communications site management plan.

C. The Lessee will comply with applicable Federal, State, county, and municipal laws, regulations and standards for public health and safety, environmental protection, siting, construction, operation, and maintenance in exercising the rights granted by this lease. The obligations of the Lessee under this lease are not contingent upon any duty of the Authorized Officer, or other agent of the United States, to inspect the premises. A failure by the United States, or other governmental officials, to inspect is not a defense to noncompliance with any of the terms or conditions of this lease. Lessee waives all defenses of laches or estoppel against the United States. The Lessee shall at all times keep the title of the United States to the property free and clear of all liens and encumbrances.

D. Use of communications equipment is contingent upon the possession of a valid Federal Communication Commission (FCC) or Director of Telecommunications Management/Interdepartmental Radio Advisory Committee (DTM/IRAC) authorization, and the operation of the equipment is in strict compliance with applicable requirements of FCC or IRAC. A copy of each applicable license or authorization shall at all times be maintained by the Lessee for each transmitter being operated. The Lessee shall provide the Authorized Officer, when requested, with current copies of all licenses for equipment in or on facilities covered by this lease.

E. The Lessee shall ensure that equipment within his or her facility (including tenant and customer equipment) operates in a manner which will not cause harmful interference with the operation of existing equipment on or adjacent to the communications site. If the Authorized Officer or authorized official of the Federal Communication Commission (FCC) determines that the Lessee's use interferes with existing equipment, the Lessee will promptly take the necessary steps to eliminate or reduce the harmful interference to the satisfaction of the Authorized Officer or FCC official.

F. When requested by the Authorized Officer, the Lessee will furnish technical information concerning the equipment located on the property.

IV. LIABILITIES

A. The Lessee assumes all risk of loss to the authorized improvements.

B. The Lessee shall comply with all applicable Federal, State, and local laws, regulations, and standards, including but not limited to, the Federal Water Pollution Control Act, 33 U.S.C. 1251 et seq., the Resource Conservation and Recovery Act, 42 U.S.C. 6901 et seq., the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. 9601 et seq., and other relevant environmental laws, as well as public health and safety laws and other laws relating to the siting, construction, operation and maintenance of any facility, improvement, or equipment on the property.

USER NOTES FOR "C" CLAUSE.

Selection item 1. Select this clause when authorization is issued to a nonfederal agency.

C. The Lessee shall indemnify, defend, and hold the United States harmless for any violations incurred under any such laws and regulations or for judgments, claims, or demands assessed against the United States in connection with the Lessee's use or occupancy of the property. The Lessee's indemnification of the United States shall include any loss of personal injury, loss of life or damage to property in connection with the occupancy or use of the property during the term of this lease. Indemnification shall include, but is not limited to, the value of resources damaged or destroyed; the

costs of restoration, cleanup, or other mitigation; fire suppression or other types of abatement costs; third party claims and judgments; and all administrative, interest, and other legal costs. This paragraph shall survive the termination or revocation of this lease, regardless of cause.

Selection item 2. When issued to a Federal Agency.
Manually delete Clauses B and D.

C. The holder, as an agency of the United States, is limited by Federal law as to the assumption of liability for its acts or omissions. The holder does agree, within its legal limitations, and limitation of appropriations, to be responsible for all costs of damages and injury to persons, personal property, and land caused by its operations and activities under the terms of this lease. The holder further agrees, to the extent legally permissible, to use its appropriations and resources as required to pay any awards or claims, and to repair damages to the land within the authorized area. It is the intent of this provision that the appropriations of the Forest Service be shielded from burdens, other than administrative costs, which may occur as a result of activities by the holder under the terms of this lease.

D. The Forest Service has no duty, either before or during the lease term, to inspect the property or to warn of hazards and, if the Forest Service inspects the property, it shall incur no additional duty nor any liability for hazards not identified or discovered through such inspections. This paragraph shall survive the termination or revocation of this lease, regardless of cause.

E. The Lessee has an affirmative duty to protect from damage the land, property, and interests of the United States.

USER NOTES FOR OPTIONAL CLAUSE E(1):

Selection item 1. In situations in which the Authorized Officer determines that the risk to public land, resources, or interest is greater than the Lessees's assets or ability to correct.

If Lessees is a State or political subdivision thereof and such entity has statutory or constitutional authorities limiting the amount of liability or indemnification payable, the Authorized Officer shall prepare a risk assessment to determine the United States potential for losses due to personal injury, loss of life, or property damage caused by the State's use or occupancy. If the Authorized Officer determines, through the risk assessment that the potential for injury, loss, or damage caused by the State's use or occupancy is in excess of the State's liability limitation, the State shall procure, as a requirement to be fulfilled before execution of this lease, insurance (see clause), and name the United States, together with the State, as an insured on the policy(s), in the amount determined in the risk assessment that exceeds the State's liability limitation.

E(1). The Lessee shall maintain worth of insurance coverage, naming the United States additionally insured on the policy(ies), to partially fund the indemnification obligations of the Lessee for any and all losses due to personal injury, loss of life, or property damage, including fire suppression and hazardous waste costs. The Lessee shall furnish proof of insurance (such as a surety bond, or certificate of insurance) to the Authorized Officer prior to execution of this lease and verify annually, and in writing, the insurance obligation to the Authorized Officer. The Authorized Officer may allow the Lessee to replace, repair, restore, or otherwise undertake necessary curative actions, to the satisfaction of the Authorized Officer, in order to mitigate damages in addition to or as an alternative to monetary indemnification.

Selection item 2. Select this item to remove optional E(1) clause from document and to have nothing appear in the document.

F. In the event of any breach of the lease by the Lessee, the Authorized Officer may, on reasonable notice, cure the breach for the account at the expense of the Lessee. If the Forest Service at any time pays any sum of money or does any act which will require payment of money, or incurs any expense, including reasonable attorney's fees, in instituting, prosecuting, and/or defending any action or proceeding to enforce the United States rights hereunder, the sum or sums so paid by the United States, with all interests, costs and damages shall, at the election of the Forest Service, be deemed to be additional rental hereunder and shall be due from the Lessee to the Forest Service on the first day of the month following such election.

V. OTHER PROVISIONS

A. Nondiscrimination. The Lessee shall at all times operate the described property and its appurtenant areas and its buildings and facilities, whether or not on the property, in full compliance with Title VI of the Civil Rights Act of 1964 and all requirements imposed by or pursuant to the regulations issued thereunder by the Department of Agriculture and in effect on the date this lease is granted to the end that no person in the United States shall, on the grounds of race, sex, color, religion or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any of the programs or activities provided thereon.

B. Revocation, Termination and Suspension.

1. General. For purposes of this lease, termination, revocation, and suspension refer to the cessation of uses and privileges under the lease.

"Revocation" refers to an action by the Authorized Officer to end the lease because of noncompliance with any of the prescribed terms, abandonment, or for reasons in the public interest. Revocations are appealable.

"Termination" refers to the cessation of the lease under its own terms without the necessity for any decision or action by the Authorized Officer. Termination occurs automatically when, by the terms of the lease, a fixed or agreed upon condition, event, or time occurs. For example, the lease terminates at expiration. Terminations are not appealable.

"Suspension" refers to a revocation which is temporary and the privileges may be restored upon the occurrence of prescribed actions or conditions. Suspensions are appealable.

2. This lease may be suspended or revoked upon breach of any of the conditions herein or upon nonuse. Nonuse refers to a failure to operate the facilities on the property for a period of years.

3. Except in emergencies, the Authorized Officer shall give the Lessee written notice of the grounds for revocation or suspension and a reasonable time, not to exceed 90 days, to complete the corrective action. After 90 days, the Forest Service is entitled to such remedies as provided herein.

4. This lease may be revoked at the discretion of the Forest Service when in the public interest. When revoked in the public interest, the Lessee shall be compensated subject to the availability of appropriated funds. Compensation shall be based upon the initial cost of improvements located on the lease, less depreciation as allocated over the life of the improvements as declared by the Lessee's Federal tax amortization schedules.

5. Any discretionary decisions or determinations by the Authorized Officer on revocation or suspension are subject to the appeal regulations at 36 CFR 251, Subpart C, or revisions thereto.

6. In the event the Authorized Officer decides not to issue a new lease, or the Lessee does not desire a new lease, the Authorized Officer and the Lessee shall, within six months prior to the termination date of this lease, agree upon a mitigation plan to restore and stabilize the site.

7. Upon termination or revocation of the authorization, delinquent fees and other charges associated with the authorization will be subject to all rights and remedies afforded the United States pursuant to 31 U.S.C. 3711 et seq. Delinquencies may be subject to any or all of the following conditions:

- a. Administrative offset of payments due the holder from the Forest Service.
- b. Delinquencies in excess of 60 days shall be referred to United States Department of Treasury for appropriate collection action as provided by 31 U.S.C. 3711 (g), (1).
- c. The Secretary of the Treasury may offset an amount due the debtor for any delinquency as provided by 31 U.S.C. 3720, et seq.).

In the event this lease is revoked for noncompliance, the Lessee shall remove all structures and improvements within days, except those owned by the United States, and shall restore the site as nearly as reasonably possible to its original condition unless this requirement is otherwise waived in writing by the Authorized Officer.

If the Lessee fails to remove all structures or improvements within the prescribed period, they shall become the property of the United States and may be sold, destroyed, or otherwise disposed of without any liability to the United States.

C. Members of Congress. No member of or Delegate to Congress or Resident Commissioner shall benefit from this lease whether directly or indirectly, except when the lease provides a general benefit to a corporation.

D. Reservations. This lease is granted subject to the following reservations by the United States:

1. The right to all natural resource products now or hereafter located on the property unless stated otherwise, and the right to utilize or dispose of such resources insofar as the rights of the Lessee are not unreasonably affected.
2. The right to modify the communications site plan as deemed necessary.
3. The right to enter upon the lease and inspect all facilities to assure compliance with the conditions of this lease.
4. The right of the United States to require common use of the property, and the right to authorize use of the property for compatible uses, including the subsurface and air space.

In the event of any conflict between any of the preceding printed clauses or any provisions thereof and any of the following clauses or any provision thereof, the preceding clauses shall control.

#INSERT TERM HERE#

ACCEPTED this [] day of [], I _____, the undersigned have read, understand and accept the terms and conditions of this lease.

Lessee

IN WITNESS WHEREOF, the Forest Service, by its Authorized Officer, has executed this lease on the day and year first written above.

UNITED STATES OF AMERICA

Forest Service
Department of Agriculture

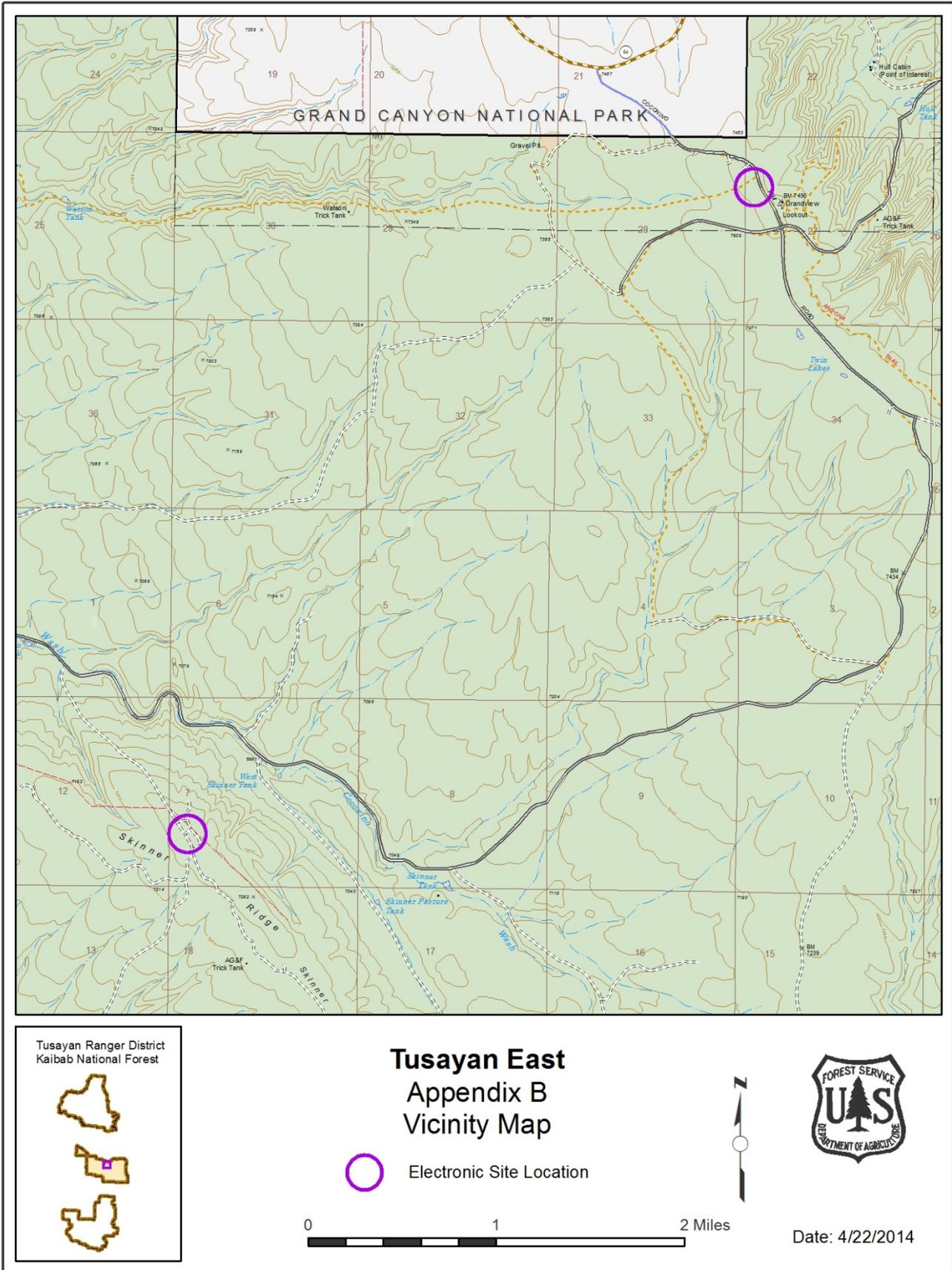
According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0596-0082. The time required to complete this information collection is estimated to average one (1) hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

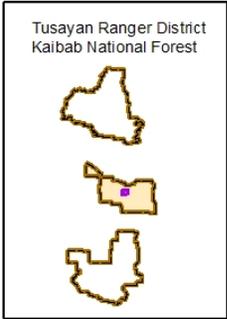
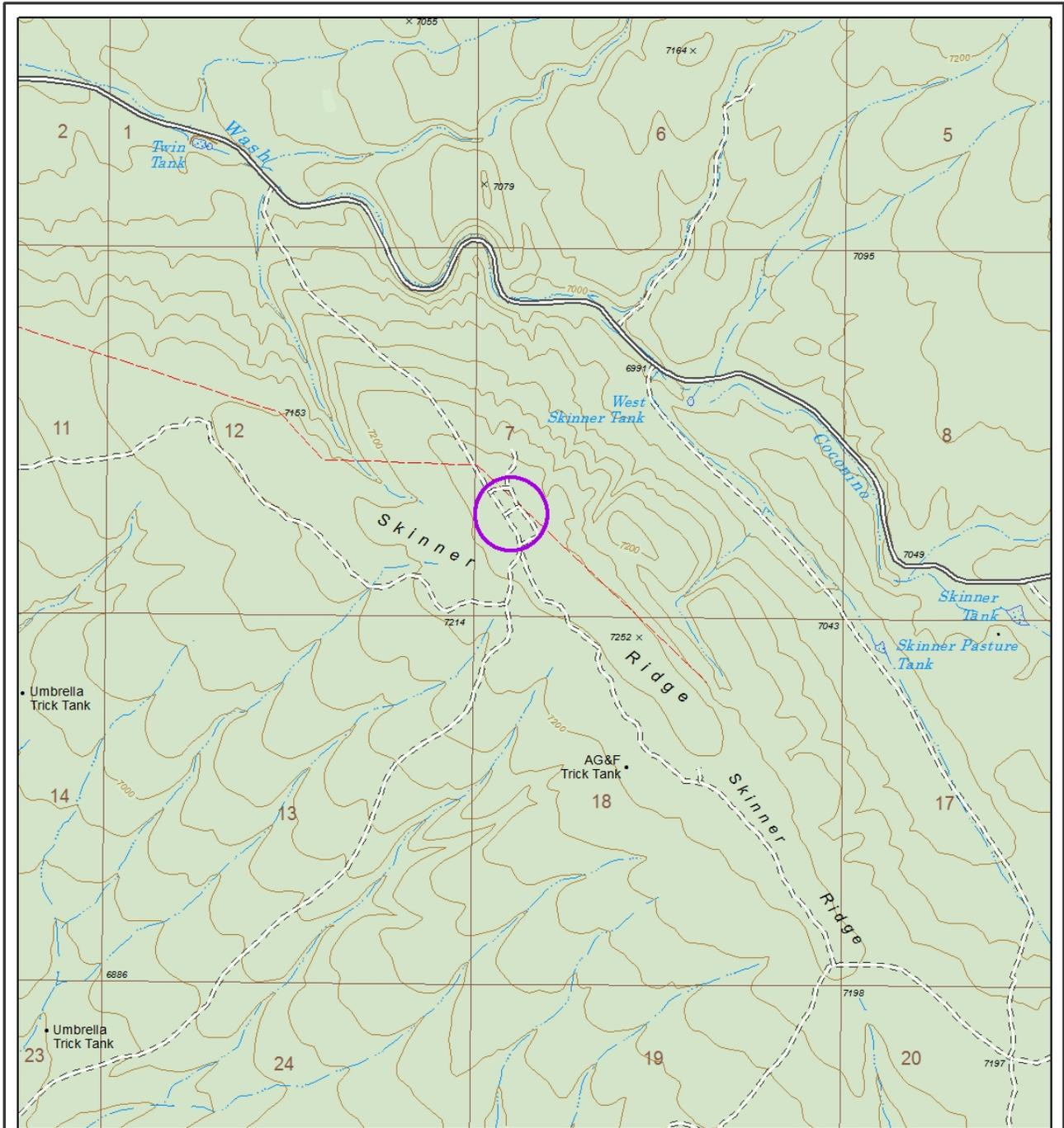
The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call toll free (866) 632-9992 (voice). TDD users can contact USDA through local relay or the Federal relay at (800) 877-8339 (TDD) or (866) 377-8642 (relay voice). USDA is an equal opportunity provider and employer.

The Privacy Act of 1974 (5 U.S.C. 552a) and the Freedom of Information Act (5 U.S.C. 552) govern the confidentiality to be provided for information received by the Forest Service.

Appendix B





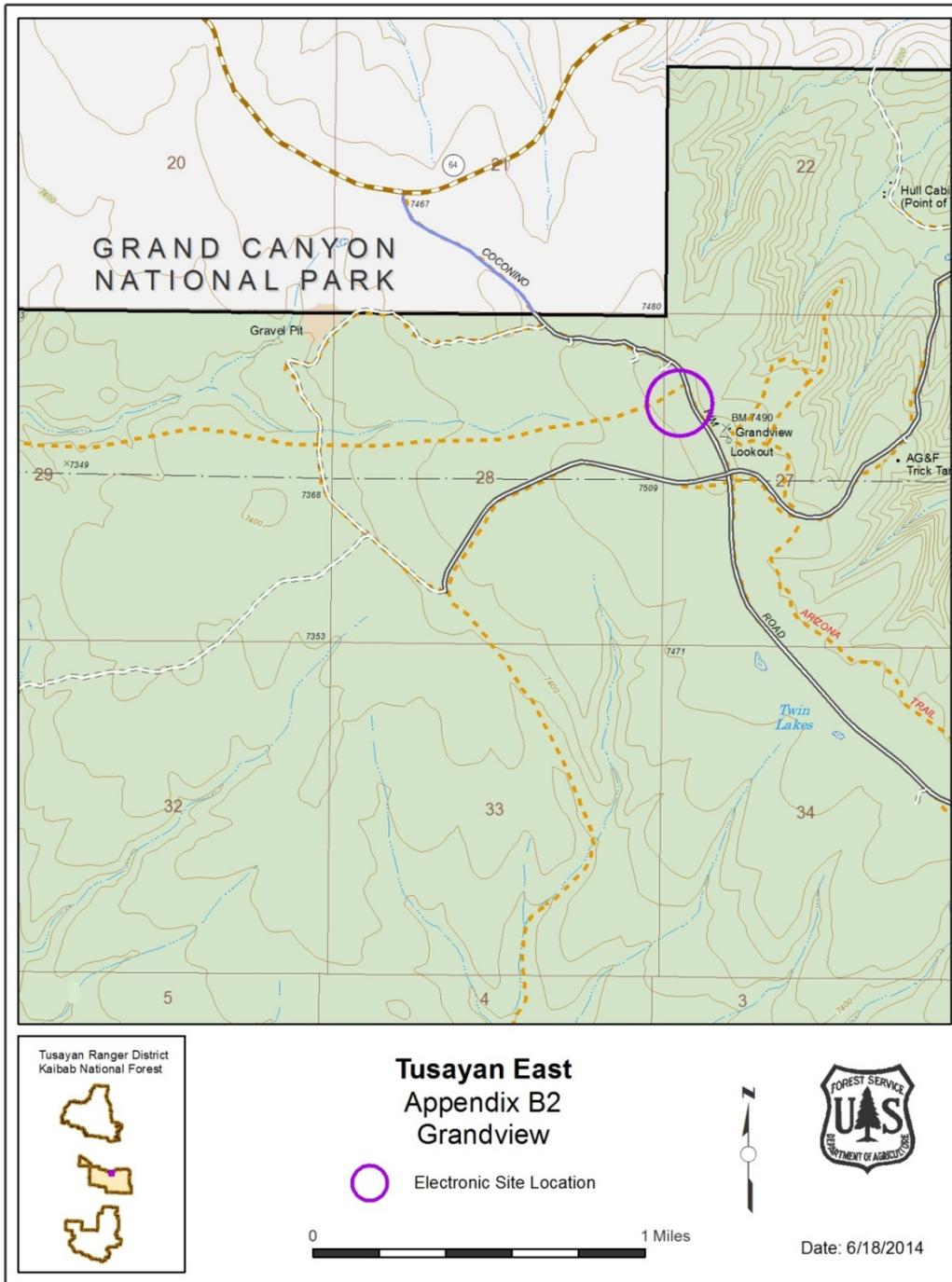
Tusayan East Appendix B1 Skinner Ridge

 Electronic Site Location



Date: 3/12/2014

Tusayan East Wireless Communications Sites – Prospectus



Appendix C

PROPOSED BID PREMIUM FEE TO THE GOVERNMENT
FOR
TUSAYAN EAST WIRELESS COMMUNICATIONS SITES

The annual rental fee for communications uses paid to the Government will be calculated as described in Section IV.3 of the prospectus and Section VI of the draft communications site management plans, Appendix F and G.

You have the option of submitting a proposed bid premium for each communications site. The proposed bid premium is a flat rate that you are willing to pay each year for the Lease. The bid premium is in addition to the annual rental fees for communications uses as determined by the Authorized Officer.

Skinner Ridge Communications Site

Proposed bid premium: \$ _____

Grandview Communications Site

Proposed bid premium: \$ _____

Name: _____
(Please Print)

Title: _____
(Please Print)

Signature: _____

Date: _____

Appendix D
RENTAL FEE SCHEDULE FOR COMMUNICATIONS USES

Calendar Year 2014

ZONES and POPULATION	TELEVISION	AM/FM RADIO*	CABLE TELEVISION	BROADCAST TRANSLATOR/ LPTV/LPFM	CMRS/ FACILITY MANAGER	CELLULAR TELEPHONE and PCS**	PRIVATE MOBILE RADIO SERVICE	MICROWAVE and Wireless Internet Service Provider (ISP) ***	OTHER	PASSIVE REF. & LOCAL EXCH. NETWORK
Zone 1 5,000,000 plus	\$68,499.99	\$51,755.57	INSUFFICIENT	INSUFFICIENT	\$18,266.66	\$18,266.66	\$15,222.23	\$15,222.23	\$114.17	
Zone 2 2,500,000 to 4,999,999	\$45,666.66	\$31,966.66	MARKET DATA	MARKET DATA	\$15,222.23	\$15,222.23	\$9,133.34	\$12,177.80	\$114.17	
Zone 3 1,000,000 to 2,499,999	\$27,400.02	\$21,311.12	FEE TO BE DETERMINED	FEE TO BE DETERMINED	\$12,177.80	\$12,177.80	\$9,133.34	\$10,655.55	\$114.17	<i>RENTAL FEES FOR</i>
Zone 4 500,000 to 999,999	\$21,311.12	\$15,222.23	BY APPRAISAL OR OTHER METHODS	BY APPRAISAL OR OTHER METHODS	\$7,611.10	\$9,133.34	\$6,088.88	\$8,372.22	\$114.17	<i>THESE USES ARE DETERMINED BY</i>
Zone 5 300,000 to 499,999	\$18,266.66	\$12,177.80	METHODS	METHODS	\$6,088.88	\$7,611.10	\$3,805.55	\$3,805.55	\$114.17	<i>DETERMINED BY</i>
Zone 6 100,000 to 299,999	\$9,133.34	\$6,088.88	\$3,653.32	\$3,653.32	\$4,566.66	\$6,088.88	\$3,044.46	\$3,044.46	\$114.17	<i>EACH USFS REGION</i>
Zone 7 50,000 to 99,999	\$4,566.66	\$3,044.46	\$1,826.68	\$1,826.68	\$1,826.68	\$4,566.66	\$1,522.22	\$2,283.32	\$114.17	
Zone 8 25,000 to 49,999	\$2,283.32	\$1,826.68	\$1,522.22	\$761.09	\$1,522.22	\$3,805.55	\$913.31	\$2,283.32	\$114.17	
Zone 9 LESS THAN 25,000	\$1,826.68	\$1,369.99	\$913.31	\$152.21	\$913.31	\$3,805.55	\$532.77	\$2,283.32	\$114.17	

Index Factor is 1.020

*RENTAL FEE FOR AM RADIO IS 70% OF THE FM SCHEDULED RENT

** Also includes Enhanced Specialized Mobile Radio (ESMR), Improved Mobile Telephone Service (IMTS), Air-to-Ground, Offshore Radio Telephone Service, Cell Site Extenders, and Local Multipoint Distribution Service (LMDS)

*** For ISP populations between 1-1000, use the applicable Regional Local Exchange Network schedule.

APPENDIX E - Required Information for Financial Ability Determinations (FAD)

This analysis is performed to determine your financial ability to operate and construct communication site and meet anticipated future development plans (36 CFR Ch.II, Sect 251.54 (E)(2)). In order to conduct this analysis please submit the following information:

FOR INDIVIDUALS:

1. Social Security Number - Used to obtain credit bureau reports on persons or firms under examination. Providing Social Security Numbers is voluntary however, failure to do so may result in an incomplete financial analysis.
2. Personal financial statement - Notarized and prepared on Financial Statement Form FS-6500-24.
3. Federal income tax returns - For the last three years (a complete set).
4. Request for Verification - Form FS-6500-25, to be forwarded to all financial institutions or other firms where you have accounts for cash, lines of credit, securities on deposit, and long-term liabilities. Please complete Items 1-5. (*The date of verification should be the same date as the current balance sheet*) Forward directly to your financial institution for them to complete Items 6-15 and return directly to the Forest Service address listed at the top of the form.
5. Pro Forma Statements. - Prepared by a Certified Public Accountant (CPA) projected for three years and/or through the life of the development schedule. Please include assumptions that outline potential financing needs, etc.
6. Sales Agreement (if applicable) – Submit a copy of your sales agreement. Outline the terms of the sale along with any down payment or future payments (as part of your financial forecast).
7. Business organization, including officers and stockholders and percentage of ownership including other key positions of management that will be responsible for the operations.

FOR CORPORATIONS:

1. Business Identification Number and Certificate of Incorporation, and Affiliates - Include a list of all your affiliates by name and address. Describe how they are accounted for and the nature of the relationship.
2. Financial Statements - Audited or reviewed for the last three complete fiscal years which includes:
 - A report by an independent Certified Public Accountant (CPA) on the financial statements;
 - A balance sheet, income statement, and statement of cash flows;
 - Footnotes to the financial statements;
 - A report on internal control structure by the independent CPA completing the audited or reviewed statements (if prepared).
3. Request for Verification - Form FS-6500-25, to be forwarded to all financial institutions or other firms where you have accounts for cash, lines of credit, securities on deposit, and long-term liabilities. Please complete Items 1-5. (*The date of verification should be the same date as the current balance sheet*) Forward directly to your financial institution for them to complete Items 6-15 and return directly to the Forest Service address listed at the top of the form.
4. Pro Forma Statements - Prepared by a Certified Public Accountant (CPA) projected for three years and/or through the life of the development schedule. Please include assumptions that outline potential financing needs, etc.
5. Sales Agreement (if applicable) - Submit a copy of your sales agreement. Outline the terms of the sale along with any down payment or future payments (as part of your financial forecast).
6. Business organization, including officers and stockholders and percentage of ownership including other key positions of management that will be responsible for the operations.

FOR NEWLY FORMED PARTNERSHIPS

(with less than 3 full years of operations)

1. Business Identification Number and Partnership Agreement and Affiliates - List of all your affiliates by name and address. Describe how they are accounted for and the nature of the relationship.
2. Financial Statements (if available) - Audited or reviewed for the last three complete fiscal years which includes:

- A report by an independent Certified Public Accountant (CPA) on the financial statements;
 - A balance sheet, income statement, and statement of cash flows;
 - Footnotes to the financial statements;
 - A report on internal control structure by the independent CPA completing the audited or reviewed statements (if prepared).
3. Request for Verification - Form FS-6500-25, to be forwarded to all financial institutions or other firms where you have accounts for cash, lines of credit, securities on deposit, and long-term liabilities. Please complete Items 1-5. (*The date of verification should be the same date as the current balance sheet*) Forward directly to your financial institution for them to complete Items 6-15 and return directly to the Forest Service address listed at the top of the form.
 4. Pro Forma Statements.- Prepared by a Certified Public Accountant (CPA) projected for three years and/or through the life of the development schedule. Please include assumptions that outline potential financing needs, etc.
 5. Sales Agreement (if applicable) - Submit a copy of your sales agreement. Outline the terms of the sale along with any down payment or future payments (as part of your financial forecast).
 6. Business organization, including officers and stockholders and percentage of ownership including other key positions of management that will be responsible for the operations.

In addition to the above, each partner must submit the following information:

1. Social Security Number
2. Affiliates - List of all your affiliates by name and address. Describe how they are accounted for and the nature of the relationship. In determining whether or not affiliation exists, the Forest Service shall consider all appropriate factors including, but not limited to, common ownership, common management, and contractual relationships.
3. Financial Statements - Audited or reviewed for the last three complete fiscal years which includes:
 - A report by an independent Certified Public Accountant (CPA) on the financial statements;
 - A balance sheet, income statement, and statement of cash flows;
 - Footnotes to the financial statements;
 - A report on internal control structure by the independent CPA completing the audited or reviewed statements (if prepared).

- A notarized personal financial statement prepared on Financial Statement, Form FS-6500-25 and a complete set of Federal income tax returns for the last three years may be substituted for audited or reviewed financial statements.

4. Request for Verification - Form FS-6500-25, to be forwarded to all financial institutions or other firms where you have accounts for cash, lines of credit, securities on deposit, and long-term liabilities. Please complete Items 1-5. (*The date of verification should be the same date as the current balance sheet*) Forward directly to your financial institution for them to complete Items 6-15 and return directly to the Forest Service address listed at the top of the form.

FOR ESTABLISHED PARTNERSHIPS

(with at least three full years of operations)

1. Tax Identification Number and Partnership Agreement.
2. Affiliates - List of all your affiliates by name and address. Describe how they are accounted for and the nature of the relationship.
3. Financial Statements (if available) - Audited or reviewed for the last three complete fiscal years which includes:
 - A report by an independent Certified Public Accountant (CPA) on the financial statements;
 - A balance sheet, income statement, and statement of cash flows;
 - Footnotes to the financial statements;
 - A report on internal control structure by the independent CPA completing the audited or reviewed statements (if prepared).
4. Request for Verification - Form FS-6500-25, to be forwarded to all financial institutions or other firms where you have accounts for cash, lines of credit, securities on deposit, and long-term liabilities. Please complete Items 1-5. (*The date of verification should be the same date as the current balance sheet*) Forward directly to your financial institution for them to complete Items 6-15 and return directly to the Forest Service address listed at the top of the form.
5. Pro Forma Statements - prepared by a Certified Public Accountant (CPA) projected for three years and/or through the life of the development schedule. Please include assumptions that outline potential financing needs, etc.
6. Sales Agreement (if applicable) - submit a copy of your sales agreement. Outline the terms of the sale along with any down payment or future payments (as part of your financial forecast).
7. Business organization, including officers and stockholders and percentage of ownership including other key positions of management that will be responsible for the operations.

US DEPARTMENT OF AGRICULTURE, FOREST SERVICE		FS-6500-25 (v.05/09)
REQUEST FOR VERIFICATION		OMB No. 0596-0082
(Reference FSH 6509.18)		Exp. (10/31/2012)
Instructions:	Applicant -	Complete items 1 thru 5. Forward directly to bank or lending institution.
	Lender -	Please complete Items 6 thru 15. Return directly to National Forest, ATTN: National Forest, ATTN:

PART I - REQUEST	
1. TO: Name and Address of Bank or other Lending institutions	2. FROM: (Name and Address of Applicant)

3. STATEMENT OF APPLICANT		
TYPE OF ACCOUNT	ACCOUNT NUMBER	CURRENT BALANCE
CHECKING ACCOUNT		
SAVINGS ACCOUNT		
OTHER		
<p>I have applied for a timber sale contract or concessionaire permit (please cross one out) with the National Forest and state that my balance with the bank or lending institution named in Item 1 are as shown in Item 3. My signature below authorizes verification of the information. Your response is solely a matter of courtesy for which no responsibility is attached to your institution or any of your officers.</p>		
4. Signature of Applicant		5. Date

PART II - VERIFICATION			
6. Does applicant have any outstanding loans? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, fill Item 7.		10. Is the account less than 2 months old? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, fill in Item 11.	
TYPES OF LOANS	MONTHLY PYMT.	PRESENT BALANCE	11. Date account was opened:
Secured			
Unsecured			12. Payment Experience: <input type="checkbox"/> Favorable <input type="checkbox"/> Unfavorable If unfavorable, please explain in remarks.
8. Is applicant's statement in Item 3 correct? <input type="checkbox"/> Yes <input type="checkbox"/> No If no, fill Item 9.			
9. CURRENT BALANCES			
CHECKING	SAVINGS		

13. REMARKS:

THE INFORMATION ON THIS FORM IS CONFIDENTIAL. IT IS TO BE TRANSMITTED DIRECTLY, WITHOUT PASSING THOROUGH THE HANDS OF THE APPLICANT OR ANY OTHER PARTY.	
14. Signature of bank or lending official.	15. Date

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0596-0082. The time required to complete this information collection is estimated to average 5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call toll free (866) 632-9992 (voice). TDD users can contact USDA through local relay or the Federal relay at (800) 877-8339 (TDD) or (866) 377-8642 (relay voice). USDA is an equal opportunity provider and employer.

The Privacy Act of 1974 (5 U.S.C. 552a) and the Freedom of Information Act (5 U.S.C. 552) govern the confidentiality to be provided for information received by the Forest Service.

Tusayan East Wireless Communication Sites – Prospectus

PART A. BALANCE SHEET			
	CURRENT YEAR (MM/DD/YYYY)	PAST YEAR (MM/DD/YYYY)	THIRD YEAR (MM/DD/YYYY)
YEAR ENDED			
ASSETS			
CURRENT ASSETS:			
CASH			
RECEIVABLES-TRADE			
LESS ALLOWANCES FOR DOUBTFUL ACCOUNTS	< >	< >	< >
INVENTORIES (LIST MAJOR CATEGORIES):			
SUPPLIES AND MISCELLANEOUS			
MARKETABLE SECURITIES			
PREPAID EXPENSES			
SUPPLIES INVENTORY			
OTHER CURRENT ASSETS:			
TOTAL CURRENT ASSETS			
FIXED ASSETS:			
LAND			
BUILDINGS			
MACHINERY AND EQUIPMENT			
PLANT			
LEASEHOLD IMPROVEMENTS			
OTHER			
LESS ALLOWANCE FOR DEPRECIATION	< >	< >	< >
BOOK VALUE-FIXED ASSETS			
OTHER ASSETS:			
DEPOSITS-CASH			
DEPOSITS-SECURITIES			

Tusayan East Wireless Communication Sites – Prospectus

TOTAL-OTHER ASSETS			
TOTAL ASSETS			

LIABILITIES AND OWNER EQUITY	CURRENT YEAR	PAST YEAR	THIRD YEAR
CURRENT LIABILITIES:			
ACCOUNTS PAYABLE-TRADE			
ACCRUED PAYROLL			
ACCRUED PAYROLL TAXES AND INSURANCE			
NOTES PAYABLE			
INCOME TAXES-CURRENT			
OTHER TAXES			
CURRENT PORTION OF LONG-TERM DEBT			
OTHER CURRENT LIABILITIES (SPECIFY):			
TOTAL CURRENT LIABILITIES			
OTHER LIABILITIES:			
DEFERRED INCOME TAXES			
LOANS FROM OFFICERS/PARTNERS			
LONG-TERM OBLIGATIONS-LESS CURRENT AMOUNT			
TOTAL OTHER LIABILITIES			
TOTAL LIABILITIES			
OWNER EQUITY:			
CAPITAL STOCK OUTSTANDING			
RETAINED EARNINGS (DEFICIT)			
PARTNERS' INVESTMENT (DEFICIT)			
TOTAL OWNER EQUITY			
TOTAL LIABILITIES AND OWNER EQUITY			

PART B. SUPPLEMENTAL DATA			
THIS STATEMENT IS ON THE-CASH BASIS _____ ACCRUAL BASIS _____			
INVENTORIES ARE-LIFO _____ FIFO _____ COST OR MARKET WHICHEVER IS LOWER _____			
NAMES OF CONTRACTORS OR SUB-CONTRACTORS USED (IF ANY):			
PART C. INCOME STATEMENT			
	CURRENT YEAR	PAST YEAR	THIRD YEAR
GROSS SALES			
LESS-RETURNS AND ALLOWANCES	< >	< >	< >
NET SALES			
LESS-COST OF GOODS SOLD	< >	< >	< >
GROSS PROFIT ON SALES			
LESS-SELLING EXPENSE	< >	< >	< >
NET PROFIT (LOSS) ON SALES			
GENERAL EXPENSE:			
OFFICERS SALERIES			
LEGAL AND OTHER PROFESSIONAL EXPENSE			
OFFICE EXPENSE			
TOTAL GENERAL EXPENSE			
NET OPERATING PROFIT (LOSS)			
ADD-OTHER INCOME			
LESS-INTEREST EXPENSE			
INCOME TAXES	< >	< >	< >
OTHER EXPENSE	< >	< >	< >
NET AMOUNT OF OTHER INCOME AND EXPENSE	< >	< >	< >
NET PROFIT (LOSS) FOR YEAR			
NOTE: Offers must set forth full, accurate, and complete information as required in this Financial Statement (including any attachments). The penalty for making false statements in this Financial Statement is prescribed in 18 U.S.C. 1001.			

PART D (1): CERTIFICATION FOR CORPORATIONS OR PARTNERSHIPS		
We, the undersigned, general officers (or members) of <i>(insert name of corporation or partnership)</i> being severally sworn, each declares that the above or attached financial statements are true and correct, and that it covers all of the financial affairs of said company (or) firm up to and including the date of <i>(Month day, year)</i>		
CERTIFYING OFFICIAL'S NAME AND TITLE	SIGNATURE (Sign in ink)	DATE
CERTIFYING OFFICIAL'S NAME AND TITLE	SIGNATURE (Sign in ink)	DATE
SWORN TO AND SUBSCRIBED before me this _____ day of <i>(Month/Year)</i>		<i>(Affix Notary Seal)</i>
SIGNATURE	TITLE	
PART D (2). CERTIFICATION FOR INDIVIDUALS		
I swear (or affirm) that the above or attached financial statements are true and correct to the best of my knowledge.		
INDIVIDUAL'S NAME AND TITLE	SIGNATURE (Sign in ink)	DATE
SWORN TO AND SUBSCRIBED before me this _____ day of <i>(Month/Year)</i>		<i>(Affix Notary Seal)</i>
SIGNATURE	TITLE	
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APPENDIX F



**DRAFT SKINNER RIDGE
COMMUNICATIONS SITE MANAGEMENT
PLAN**

**KAIBAB NATIONAL FOREST
TUSAYAN RANGER DISTRICT
TUSAYAN, ARIZONA**

Submitted By: _____
District Ranger

Date

Approved By: _____
Forest Supervisor

Date

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I. DEFINITIONS

Authorization Holder. An individual, business, organization, or an agency that has been issued a Communications Use Lease or Special Use Permit which allows occupancy, use, rights, or privileges of National Forest System (NFS) land.

Authorized Officer. The Forest Service employee with the delegated authority to issue and manage communications uses. The authorized officer is usually the District Ranger or Forest Supervisor of the unit on which the communications site is located.

Co-location. Installation of telecommunications equipment in or on an existing communications facility or other structure.

Communications Site. An area of NFS lands designated as an electronic site through the Forest Land and Resource Management planning process for telecommunications uses. A communications site may be limited to a single communications facility, but most often encompasses more than one. Each site is identified by name, usually denoting a local prominent landmark, such as Bald Mountain Communications Site.

Customer. An individual, business, organization, or an agency that operates telecommunication equipment within a facility, but does not broadcast or resell communications services to others.

Facility. A building, tower, or other physical improvement (buildings and towers do not have to be combined to be considered a facility) that is built or installed to house and support authorized communications equipment.

Facility Manager. The holder of a Forest Service communications use authorization who (1) owns a communications facility on NFS lands, (2) rents space in or on their facility to other communications users, but (3) does not own or operate their own communications equipment and they do not directly provide communications services to third parties. Persons or entities that manage or administer a communications facility on NFS lands for a facility owner or a facility manager are not facility managers for purposes of this Communications Site Management Plan.

Facility Owner. The holder of a Forest Service communications use authorization who (1) owns a communications facility on NFS lands, (2) may or may not be renting space or equipment to other communications users in or on their facility, and (3) owns and operates their own communications equipment in their facility.

Multiple-Use Facility. A communications site facility that has multiple communications uses operated directly by the facility owner or has customers or tenants in or on that facility.

Ranally Metro Area. Geographic areas in the United States identified by Rand McNally in its Commercial Atlas and Marketing Guide that define population centers of 50,000 or more. There are approximately 450 Ranally Metro Areas (RMAs) in the United States.

Senior Use. A communications use that predates another communications use. The most senior use or uses form the basis for the communications site designation.

Single-Use Facility. A communications site facility that contains only the single communications use of the facility owner and no tenants or customers in or on the facility.

Tenant. An individual, business, organization, or an agency that operates telecommunication equipment within a facility, for the purpose of broadcasting or reselling communications services to others.

II. NARRATIVE

A. Site Description

Skinner Ridge Communications Site is located on the Tusayan Ranger District, Kaibab National Forest, Coconino County, State of Arizona, in Section 7, T. 29 N., R. 4 E., Gila and Salt River Meridian, at approximately Latitude 35° 54' 00" North, Longitude 112° 00' 00" West. The elevation at Skinner Ridge Communications Site is approximately 7,000 feet above mean sea level (msl). The area for development is approximately 1.0 acres in size. Skinner Ridge Communications Site is road accessible.

This site does not serve a Ranally Metro Area (RMA). The population is currently less than 25,000 and is therefore Zone 9. The population identified for this Zone is updated annually by the Forest Service, Washington Office, Director of Lands, and is used to determine the annual rental fee due the Forest Service.

The most senior use at this site is cellular telephone. The site is designated as Low Power Non-Broadcast. This designation was established in the Kaibab National Forest Land and Resource Management Plan approved in 2014 within prescriptions which allow electronic sites. The maximum power output for the Skinner Ridge Communications Site is based on the maximum output allowed for any individual transmitter at 1000 watts ERP. The site is proposed to be managed as low power.

B. Existing Site Development

Skinner Ridge Communications Site was first proposed in the Kaibab National Forest Land Management Plan dated 4/15/1988 and identified on the 1988 administrative map as a proposed communications site.

C. Objectives

The primary objectives of the Skinner Ridge Communications Site Management Plan are to:

1. Document site management policy, procedures and standards, which are not already specified in the standard communications use authorization.
2. Manage for low power communications uses only. The maximum power output expressed as Effective Radiated Power (ERP) is typically based on height above average terrain (HAAT) to set the maximum radiated power levels limited to 1000 watts ERP. Each use must operate at or below the power level authorized by their respective FCC license as long as it does not exceed the site limitation of 1000 watts ERP. Cellular Mobile Data Service is exempt from this site ERP limitation as long as the use does not exceed the ERP limitations as described in the applicable FCC regulations at Title 47, Code of Federal Regulations, Part 22, Subpart H or Part 27, Subpart C. In addition, point to point microwave (FCC Part 101) is exempt from this site ERP limitation as long as non-occupational human radiation exposure levels are not exceeded by FCC regulation.
3. No continuously transmitting uses are authorized at this site, excluding microwave and controller channels used in support of mobile radio equipment.
4. All uses must be designed, operated and maintained so as not to physically or electronically interfere with the senior uses. If new uses deteriorate the receiving/transmitting operation of existing uses, the new uses may be required to institute at their expense; additional studies, equipment upgrades, frequency isolation, or physically separate themselves from the existing uses.
5. Present a program for operation within the site.
6. Help fulfill the public need for adequate communications sites.
7. Protect the interests of authorization holders and site users by preserving a safe and an electronically "clean" environment.
8. Encourage the efficient development and use of space and facilities within the designated site, subject to the USFS goal to provide the best possible public service at a reasonable cost.
9. Authorize new Tenant and/or Customer uses that can physically and electronically be accommodated within existing buildings and/or towers.
10. Maintain visual resource objectives by requiring design standards that are unobtrusive and by utilizing earth tone colors and non-reflective surface material consistent with the standards in the Land and Resource Management Plan.
11. Amend this Communications Site Management Plan as necessary to be consistent with future Forest Land and Resource Management Plans. The Forest

Service will provide authorization holders with proposed amendments to this plan and will allow a reasonable period of time for the holders to review and comment on the proposed changes.

III. AUTHORITY AND JURISDICTION

A. Authority

Forest Service authority to authorize and manage communications uses on National Forest System lands derives from the Federal Land Policy and Management Act of 1976 (43 U.S.C. 1761-1771); Title 36, Code of Federal Regulations, part 251, subpart B (36 CFR 251, subpart B); Forest Service Manual (FSM) 2700; and Forest Service Handbook (FSH) 2709.11, chapter 90.

B. Jurisdiction

The Forest Service has jurisdiction over the use and occupancy of National Forest System (NFS) lands for communications purposes under the National Forest Management Act (NFMA) of 1976 (16 U.S.C. 1600 et seq.); the Federal Land Policy and Management Act (FLPMA) of 1976 (43 U.S.C. 1701 et seq.), and Title 36, Code of Federal Regulations, part 251, Subpart B (36 CFR part 251, subpart B).

The Federal Communications Commission (FCC) has jurisdiction over the use of non-Federal channels of radio and television transmission under licenses granted by the FCC. The National Telecommunications and Information Administration (NTIA) has jurisdiction over the use of Federal channels of radio transmission under authorizations granted by the NTIA.

The issuance of an FCC license or NTIA authorization does not authorize the use and occupancy of NFS lands. A Forest Service special use authorization is required for the use and occupancy of NFS lands for communications purposes.

The Forest Service has jurisdiction over resolution of conflicts associated with the use and occupancy of NFS lands, such as those involving location and re-radiation. The FCC and NTIA are not responsible for resolving occupancy conflicts associated with the use and occupancy of NFS lands or the resolution of other conflicts when entities are operating within the limits of their FCC license or NTIA authorization. However, the FCC or the NTIA may be useful in assisting in the resolution of interference problems or other frequency conflicts.

IV. RIGHTS AND RESPONSIBILITIES

A. The Forest Service

The Forest Service retains the responsibility for issuing and amending authorizing instruments to Facility Owners and Facility Managers for the authorized improvements.

The issuance of a FCC license (authorization), or frequency assignment, does not authorize occupancy of National Forest System lands. Granting occupancy and use of National Forest System lands rest exclusively with the Forest Service. This includes:

1. Amend or modify this site plan as deemed appropriate.
2. Approve new facilities, including those constructed within an authorization holder's authorized area.
3. Approve assignment of a communications use lease.

B. Facility Owners and Facility Managers Are Responsible for:

1. Complying with the terms and conditions of their communications use authorization and this site plan.
2. Ensuring that all new facilities, expansions, or improvements are consistent with the Kaibab National Forests Land and Resource Management Plan, environmental documentation and decisions affecting the use of this site, and the provisions of this site plan.
3. Requiring co-location. The lessee will provide space in and on their facilities for all compatible communication uses for which the potential customers and tenants, including potential competitors such as competing cellular service providers, have the appropriate FCC license or IRAC authorization as required by Section III.D of the lease. If the lessee is a facility manager, the lessee would not be expected to accommodate parties who want to provide parallel facility manager service.
4. May not place any unreasonable restrictions on potential or existing tenants and customers.
5. Ensuring that facilities and equipment not complying with Federal, State, and local laws, regulations, and ordinances will be removed or modified within one year of approval of this site plan. Modifications require the pre-approval of the authorized officer.
6. Keeping all facilities within the established limits of their authorized area. The Facility owner or manager may not, for itself or for any customer or tenant, authorize construction of any equipment shelter or tower, or manipulation of the site or vegetation in any way, without specific authorization from the Forest Service (See sec. VII).
7. Providing the authorized officer the name, address, and telephone number of a local contact. The facility owner or the facility manager and the local contact person may be the same individual. The local contact shall be available for

emergencies and shall have the authority to make decisions about construction issues, facility maintenance, and all equipment within the facility.

8. Ensuring that all communications facilities and equipment are properly installed, operated, and maintained in accordance with industry standards such as Motorola R-56. These standards may be waived by the Forest Service authorized officer when recommended by a site user association or similar technical committee or upon request of a facility owner/manager when equivalent measures would achieve similar results.
9. Providing to the authorized officer by October 15th of each year, a certified statement listing their type or types of communications uses they provide and the business names of all occupants and their type of communications use in the facility on September 30th of that year.
10. Treat and control noxious weeds on and adjacent to their permitted area, access, and parking areas. Treatment requirements and standards must be according to applicable regulations. Standards and application procedures may be obtained from the Forest Office.

C. *Tenants and Customers:*

Are required to co-locate in an existing facility when their communications use is an approved use in the site plan. Co-location in a non-Federal communications facility does not require a Forest Service authorization.

V. USE OF THE SITE

A. *Multiple-Use Facilities*

Co-location shall be required. Site applicants shall take the lead in this area and shall design their proposals to accommodate multiple uses of facilities and improvements. This includes the multiple-use of buildings, towers, solar generating systems, back-up generators, grounding systems, fuel containers, access ways, and parking areas.

Due to the limited development space at the site, new facilities or major modifications to existing facilities shall be designed to accommodate additional users even if other users are, or could be, competitors.

Facility owners and facility managers are not required to lease facility space to others if they can demonstrate to the authorized officer that:

1. Space is not available;
2. The use is incompatible with the existing communications uses at the site. For example, the proposed use is not compatible with other uses as provided for in FSH 2709.11, section 97, exhibit 05;

3. Additional space is needed by the facility owner or the facility manager; or
4. Additional users would compromise security of the facility or communications systems located in that facility.

VI. RENTAL FEES

Unless specified differently in the communications use authorization, the Forest Service shall charge facility owners and facility managers of non-Federal facilities and tenants and customers in Federal facilities an annual rental fee based on the fee schedule for communications uses on National Forest System lands contained in FSH 2709.11, Chapter 90. The rental rates shall be adjusted annually using the Consumer Price Index-Urban (CPI-U), and the population figures are adjusted annually based on the most recent Rand McNally Commercial Atlas and Marking Guide (for RMAs) and Rand McNally Road Atlas for non-RMA communities.

Rental fees that facility owners and facility managers may charge their tenants and customers shall be:

1. Reasonable and commensurate with the use and occupancy of the facilities and services provide to tenants and customers; and
2. Consistent with other fees charged for similar facilities.

VII. CONDITIONS FOR NEW CONSTRUCTION AND MODIFICATION OR EXPANSION OF A FACILITY

A. New Construction, Modification, and Expansion Responsibilities

Construction space at the site is extremely limited and future additional facilities are unlikely. If new facilities are proposed, or if existing facilities need modification, the following guidelines shall apply.

In addition to the responsibilities listed in Section IV, applicants, facility owners, and facility managers seeking to construct a new facility or modify or expand an existing facility are responsible for:

1. Submitting a complete application to the authorized officer prior to any new construction, modification, or expansion of a facility. The application shall include:
 - a. A copy of the approved site plan base map showing all of the proposed new, modified, or expanded facilities, including structures, towers, and auxiliary equipment;
 - b. Completed drawings or plans prepared by a professional engineer or architect;

- c. Identification of any proposed point-to-point microwave paths, a plot of their azimuth, and their proposed elevation on the tower; and
 - d. Documentation showing that the proposed facilities will not obstruct or interfere with any existing uses, including fixed point-to-point antennas, omni-directional broadcast antennas, or point-to-point microwave paths.
2. Demonstrating that the new facility will make the most efficient use of the limited amount of space at the site and will provide for future uses without additional construction.
3. Providing engineering and geotechnical investigations for development of specific foundation designs and grading plans.
4. Providing an erosion control plan prior to construction. At a minimum, the erosion control plan shall include sediment control; stipulations that cut and fill slopes will be graded and contoured to prevent erosion and excessive runoff, and recommendations for temporary erosion control measures, such as netting, silt fences, swales, sediment collection areas, and so forth.
5. Coordinating with other Federal and local governments and securing all pertinent permits and approvals from those agencies.
6. Providing 30-day's notice to all facility owners and facility managers at the site, as well as the Forest Service, of all new frequencies, either for themselves or their tenants and customers, proposed for the site. A completed FS-2700-10 shall be sent with the 30 day notice to allow for comment of potential interference. If there is a reply to the request for comments that suggests that there may be physical interference, electronic incompatibility, or potential radio frequency interference to existing uses, the Facility Owner or Facility Manager must address those concerns with a sufficiently detailed response that the existing use will withdraw its objections to the new use or special terms and conditions must be created to address those concerns. Copies of any response under this paragraph, positive or negative, must be provided to the Forest Service.

B. Construction Methods and Resource Protection

Plans submitted by a proponent, facility owner, or a facility manager for construction, modification, or expansion of a facility shall provide for soil rehabilitation measures, including soil replacement and stabilization and proper handling of runoff from buildings, parking areas, access roads, and undeveloped common areas. The authorized officer must approve all cutting or trimming of vegetation.

During construction, modification, or expansion of facilities, facility owners and facility managers shall:

1. Identify, avoid, and protect sensitive resource areas identified by the Forest Service.
2. Comply with the erosion control plan.
3. Notify the Forest Service authorized officer prior to commencing any approved ground-disturbing activities.
4. During construction and/or maintenance, paintbrushes will not be cleaned off on rocks. No marks of any kind, including survey marks, will be permitted on rocks.
5. Minimize, to the greatest extent possible, ground disturbance and vegetation removal.
6. Re-vegetate extensive cut and fill slopes with native vegetation as soon as possible after construction. All re-vegetation must have prior written approval of the authorized officer.
7. Not cast off grading material. Excess soil can be used as fill material for roads, buildings and towers.
8. Obtain prior written approval of the authorized officer for temporary, on-site storage of construction materials.
9. Not leave hazardous materials, including fuels, oils, and lubricants unattended at the site at any time. Hazardous materials shall be removed from the site at the end of each workday or temporarily stored inside a locked and posted building until the following workday. Construction materials and supplies other than hazardous materials may be left unattended at the construction site at the end of each workday at the owner's risk.
10. Remove surplus construction materials and waste debris from the site no later than 30 days after construction has been completed.
11. To prevent the spread of noxious weeds into the area, power wash off any earth-moving or heavy equipment, such as dozers, graders, cranes, backhoes, and so forth before it is brought onto National Forest System lands.

C. Construction Inspection

1. All new construction, modification, and expansion of facilities shall conform to established technical standards and accepted engineering practices, such as the Uniform Building Code, Occupational Safety & Health Administration (OSHA), National Fire Protection Association (NFPA), National Electrical Code (NEC), **Electronic Industries Alliance**/Telecommunication Industries Association (EIA/TIA) codes and standards, and state regulations.

2. Any construction inspections required by other agencies are the responsibility of the holder. Copies of completed inspections shall be provided to the Authorized Officer, either as they occur or as part of the final as-built plan. Inspection information shall become a permanent part of the holder's special-use file.
3. Corrective work required as a result of Forest Service or other agency inspections shall be completed by the date specified in the inspection report to the satisfaction of the inspecting official.
4. A final set of as-built plans shall be submitted to the Authorized Officer within 90 days of acceptance of a structure (if the construction was contracted) or of its completion date (if the construction was not contracted).

D. New or Remodeled or Expanded Buildings

1. Any new buildings shall be designed to accommodate multiple users and shall be consistent with a site-specific environmental analysis conducted at the time of the proposal.
2. Building height will be restricted to a single story unless specifically authorized for two stories or with a snow vestibule. The roof shall be non-reflective metal or other non-reflective fire resistant material approved by the Forest Service. Roofs can be equipped with antenna support structures, such as poles and railings that can extend up to 25 feet above ground level.
3. Facility owners and facility managers are encouraged to construct the interior of their buildings in a modular fashion, so that they can:
 - a. Sublease sections to others;
 - b. Provide tenants and customers with internal separation and security;
 - c. Reduce physical interference; and
 - d. Increase management effectiveness.
4. The following materials are approved for construction of new buildings:
 - a. Floors: Concrete slab with drainage or as part of a non-flammable pre-fabricated structure.
 - b. Walls: Concrete block, metal, or pre-fabricated concrete.
 - c. Roofs: Concrete, corrosion resistant metal (if painted to eliminate shiny surfaces), or other fireproof material approved by the Forest Service. Proposals for wooden roofs will not be approved.

- d. Partitions: Fire resistant material, such as reinforced concrete or properly grounded expanded metal.
- e. Color: Color used on all exterior building surfaces must have prior written approval of the authorized officer. The goal of color selection is to make buildings as inconspicuous as possible when viewed from a distance. The intent is to reduce or eliminate glare from reflective and/or illuminated surfaces such as windowpanes, sheeting and reflective paints. Non-reflective, Forest Service approved dark gray to green colors shall be used on equipment buildings.
- f. Building entry lights must:
 - i. Only light the immediate area in the vicinity of the door;
 - ii. Be motion-activated and have a limited time duration of 3 to 5 minutes; and
 - iii. Have a shielded beam that is pointed at the building door.

Requests for all-night (dusk-to-dawn) lighting or entry lighting that would be visible from outside the site will not be approved.

E. New or Remodeled/Expanded Towers

1. All construction, modification, and expansion of towers shall have the prior written approval of the authorized officer.
2. It is the applicant and holder's responsibility to ensure that new, modified, or expanded towers will not unduly interfere electronically or physically with any existing equipment at the site. Towers shall be spaced so as to prevent ground level radiation and interference problems. Compliance with these requirements shall be demonstrated in writing to the authorized officer prior to issuance of a lease, permit, or amendment.
3. All new towers shall comply with current structural and safety specifications and design standards, including safety-climbing devices. Towers should be as narrow and "open" as safety and structural integrity allow. New towers should be designed using maximum wind, snow, and tower loading anticipated for the site.
4. Tower height will be determined through NEPA; however, visual impacts in the area may restrict the height to no more than 125 feet. All new towers shall be self-supporting unless specifically authorized.
5. To avoid possible impacts to birds or bats, structures under this section must comply with the most current version of the U.S. Fish & Wildlife Service's Interim Guidelines on the Siting, Construction, Operation and Decommissioning of Communication Towers (available at <http://www.fws.gov/habitatconservation/communicationtowers.html>).

6. All towers shall be left unpainted if they are made of dull, galvanized steel. Paint is required only if the tower has a shiny or reflective surface. Non-reflective, Forest Service approved dark gray to green colors will be approved unless the FAA requires red and white tower striping.
7. No lights, beacons, signs or strobes shall be allowed on new towers unless specifically required by the FCC/FAA.

VIII. GENERAL OPERATION AND MAINTENANCE

A. *Special Environmental and/or Biological Considerations*

There are visual and biological considerations at this site. There may be visual impacts from Highway 64, and from Red Butte. This area also may be frequented by California condor. If other issues arise in the future, this plan will be amended in accordance with the applicable decision or direction.

B. *Wiring and Grounding*

1. All equipment shall be installed in metal cabinets or open frame equipment racks that are grounded and shielded. Grounding is to be installed in accordance with manufacturer's recommendations and accepted industry standards.
2. All building electrical wiring and grounding shall meet the NEC and applicable state and local codes. All permanent wiring shall be installed in metallic conduit and shall include a separate safety ground conductor. Electrical metallic tubing (EMT) raceway in and of itself shall not be used as a ground return. Exception: If galvanized rigid conduit (GRC) is employed, it shall be acceptable for use as a ground return.
3. Every effort shall be made to protect the equipment from lightning damage. Lightning protectors should be used on all coaxial cable connections to equipment enclosures. Inert gas gap or metal oxide varistor (MOV), silicon avalanche diode (SAD), or transient voltage surge protectors (TVSS) should be used on all control, audio, and power lines. Failsafe modes shall be employed in the TVSS to protect wiring and shelter from fire damage. All TVSS equipment shall be UL1449 listed or approved.
4. All new building and/or tower structures shall have its own separate station ground mat system for all users in that site and solidly bonded (such as exothermic weld, not brazing) to the electrical service entrance grounding conductor or grounding electrode. Wherever practical, interconnection of individual station ground mats and/or the simultaneous placement of large sized copper ground wire with any new grounding systems that are buried on the site shall be encouraged.

5. Grounding shall be installed in accordance with accepted practices and standards, such as but not limited to, Motorola, Inc. “Standards and Guidelines for Communications Sites R-56 Issue B”, and NEC Articles 250, 810, and 820. Ground enhancement materials using bentonite clay is currently the only approved method for chemical grounding. Other types of chemical grounding shall require completion of NEPA documentation by the applicant prior to consideration for approval by the authorized officer.

C. *Communications Equipment*

1. Equipment Ownership

All equipment shall be labeled with:

- a. The owner’s name;
- b. Applicable transmitter frequencies;
- c. The applicable FCC license or NTIA authorization;
- d. Transmitting power outputs; and
- e. A current 24-hour telephone contact number.

2. Transmitting Equipment

All transmitters shall have protective devices built into them or externally installed to prevent interference with other uses. All transmitters shall meet FCC/NTIA requirements and be FCC type accepted for use in the licensed (or license exempt) application.

The re-radiation of intercepted signals from any unprotected transmitter and its associated antenna system shall be prevented by the use of appropriate filters, typically bandpass filters, circulators (isolators), and/or 2nd harmonic filters.

The direct radiation of out-of-band emissions (noise or spurious harmonics) shall be reduced to a level such that it may not be identified as a source of interference as defined in FCC Regulations (47 CFR 90.209(e)). If site noise (electromagnetic noise) becomes an issue, noise threshold limits shall be established, and amended into the Site Plan.

All transmitters not in immediate use and not specifically designated as standby equipment shall be removed. Loads connected to circulators shall be capable of dissipating the total power output of the transmitter.

Where duplexing is used, a notch-type filter device by itself shall be avoided. In situations where a notch-type device is used, a bandpass filter shall be used on both the receiver and transmitter. Transmitter multi-channel hybrid combining equipment should be avoided unless additional protection is provided to ensure hybrid balance and minimize the chance for intermodulation products being produced. A post combining bandpass or lowpass filter is required after the basic hybrid combiner to block undesired 2nd harmonics from being radiated.

3. Receiving Equipment

A bandpass device, such as a cavity or crystal filter, is recommended at the input of all receiving devices. Cavity filters or other protective devices may be used at receiver inputs to reduce interference.

Where duplexing is used, a notch-type device should be avoided. In situations where a notch-type device is used, a bandpass filter shall be used on both the receiver and transmitter.

4. Antennas

- a. Microwave (dish) antennas and other than ground-mounted satellite dishes shall not exceed 10 feet in diameter, unless specifically authorized to meet path performance and reliability criteria.
- b. All antennas shall meet all OSHA safety standards. If an antenna is operating in excess of the Federal Communications Commission (FCC) public or occupations standards, steps will be taken, such as fencing, posting of signs, relocation, lowering power levels, within 24 hours to bring it into compliance. Ground measurements of Radio Frequency Radiation (RFR) levels will be taken before mitigation measures are implemented.
- c. Colors for dish antennas or covers shall be pre-approved by the authorized officer. White dish antennas and covers will not be approved. Existing white dishes and covers shall be repainted or replaced as repairs or replacement become necessary.
- d. Antennas shall be treated to reduce or eliminate reflected glare.
- e. Low-powered transmit and receive antennas may be located low on the tower or on the ground.

5. Interference

The responsibility for correcting interference problems lies with the holder of the communications use authorization for the facility, the user causing the

interference, and the affected parties. Generally, the first users at a site have seniority with respect to resolution of interference complaints. Senior users have an obligation to maintain their equipment to current industry standards, to operate their systems in accordance with the terms of both the FCC license and the NTIA/Interdepartment Radio Advisory Committee (IRAC) frequency authorization, and to comply with the Forest Service communications use authorization. New users at a site shall correct, at their expense, interference problems that they create. If it can be demonstrated that the senior user's equipment is at fault because of poor technical performance (does not meet, for instance, current Association of Public-Safety Communications Officials (APCO) or EIA/TIA technical standards for receiver performance), it will be necessary for the senior user to bring the poor performing receiving equipment up to current standards. The new user, in any event, shall cease operation of the suspect equipment until the problem is corrected, or as in the case of a poorly performing senior user receiver, the senior user must formulate an action plan for correcting the deficiency as soon as possible and be acceptable to both parties. If interference problems cannot be resolved or corrected within a reasonable time, the new use that is causing the interference may be terminated and the equipment removed.

If a Site Users Association is formed, all users shall cooperate with the Forest Service in the identification and correction of any interference. The Forest Service does not have any responsibility for correcting interference problems, but can act as a mediator to help all affected parties. Interference problems, whether theoretical, calculated, or measured (before and after licenses are granted) should be coordinated and resolved with the FCC or NTIA, as appropriate.

Interference with Public Safety, Critical Infrastructure, and any other emergency communications facility shall be corrected immediately. Operation of equipment covered by this site plan shall not interfere with Federal Government radio or electronic operations already in existence on NFS lands within two miles of the Skinner Ridge Communications Site. The user causing this interference shall at their own expense take all actions necessary to prevent or eliminate the interference. If they do not eliminate the interference within ten (10) days after receipt of notice from the Forest Service to do so, their use will be terminated.

If electromagnetic noise becomes an issue, noise thresholds shall be established and incorporated as an amendment to this site plan. The cost of such analysis is the responsibility of the authorization holders.

D. Cables and Transmission Lines

All new outdoor cabling shall be jacketed and 100 percent shielded and shall either be flexible or semi-rigid. Cables shall be properly installed, strapped, and fastened down.

Cable runs should be consistent with applicable engineering standards when attaching cables onto a tower.

All transmission lines (including wave guide) shall be supported in accordance with manufacturer's specifications. Unjacketed transmission lines or unjacketed cables of any type are prohibited. No transmission lines shall be left unterminated. Lightning protection ground down conductors on towers shall be insulated from the tower steel and considered no different than transmission lines. Bonding of this down conductor to tower steel shall be done with NEC approved connectors that are also galvanically compatible (bronzed or tin plated) with the structural galvanized steel of the tower.

Double-shielded braided (98 percent or better) or solid-shielded cable shall be used inside of buildings. No RG-8 or RG-58 type class of cable is permitted. No connector-type adapters shall be used on transmission lines. Only correct connectors that will mate to connected devices may be used.

Conduits shall be shared as allowed for under the NEC when they service common areas and shall be buried where possible.

Existing cables and transmission lines that do not meet the above requirements shall be upgraded as repairs or replacement become necessary.

E. Radiation

All communications uses shall meet FCC, NTIA, and OSHA regulations, policy, guidelines, and standards concerning radiation limitations.

All antenna radiation zones shall meet all OSHA safety standards. If an antenna radiation zone is operating in excess of FCC public or occupational standards, steps will be taken, such as fencing, posting of signs, relocation, lowering of power levels, etc. within 24 hours to bring the zone into compliance. Ground measurements of RFR levels will be taken before mitigation measures are implemented. It is recommended that each Facility Owner or Manager, in accordance with FCC regulations 47 CFR sections 1.1307(b), 1.1310, and 2.1093, properly monitor Maximum Permissible Exposure (MPE) to electromagnetic fields for their site.

Monitoring radiation levels at the site is the responsibility of all site users and shall occur at intervals to comply with FCC regulations and guidelines. A copy of the monitoring report shall be provided to the Forest Service within 30 days of its completion.

Security fences with RFR notice signs are required around areas that exceed public use levels. All fencing location and design shall be pre-approved by the Forest Service.

Warning signs shall comply with American National Standards Institute (ANSI) C95.2 color, symbol, and content conventions. Contact information, including name and telephone number will also be included on warning signs.

Any identified RFR radiation problems that are, or could be, a public health hazard must be corrected within 24 hours after measurement tests have been completed or be removed from the site by the site user(s). If the proposed corrective action involves any new ground disturbance, it must be pre-approved by the Forest Service.

F. Utilities

Site users shall pay for the cost to install and maintain utilities, including any resource surveys and reports needed for environmental compliance. For visual reasons, new overhead utility poles are not authorized.

1. Commercial Electrical Power

Commercial power will be provided by Arizona Public Service.

2. Telephone Service

Commercial telephone lines do not service this site.

3. Fuel Storage

Fuel storage facilities on this site must be designed, installed and maintained according to applicable NFPA standards, federal, State and local laws and ordinances. All fuel storage tanks shall be grounded to the station ground mat.

If additional service is ever deemed necessary, a separate authorization will be issued to the owner of the service following the appropriate NEPA analysis and decision. The applicant must pay the cost of necessary resource surveys, and reports and construction costs including appropriate mitigation. For visual reasons, overhead utility lines may not be authorized.

G. Sanitary Facilities

No sanitation facilities exist at this site. If needed, any new sanitary facilities shall be pre-approved by the Forest Service. If it is determined by the authorized officer that the user needs such facilities, they will be provided by the applicant/holder in a manner and location satisfactory to the authorized officer and requirements of the local health department.

H. Security and Law Enforcement

The Arizona Highway Patrol and Coconino County Sheriff's Department are the principal law enforcement agencies for the area in which the Skinner Ridge Communications Site is located. Generally, the Highway Patrol and County Sheriffs are responsible for civil and criminal law enforcement. Generally, the Forest Service is responsible for enforcing Federal laws applicable to NFS lands, such as resource protection. Patrol and policing for security purposes is the holder's responsibility.

If fencing is deemed necessary for security purposes at the facility on the site, it must meet the following criteria and appropriate NEPA analysis, TCP coordination, and decision:

1. All fences must meet health and safety requirements.
2. All fence locations and design require Forest Service pre-approval.
3. The standard fencing type will be chain-link (i.e. cyclone).
4. The standard fence height will be eight (8) feet.
5. Fencing will be designed, maintained, and of a type to minimize interference issues. All fencing materials shall be hot-dip galvanized coated to minimize corrosion and dissimilar metal contacts.
6. Fencing shall be grounded at regular intervals not to exceed 20 feet to the station ground mat. The purpose of this requirement is to lower its conductivity to RF signals and shunt those RF signals to ground and prevent re-radiation.
7. Fences will be signed with RFR notices if RFR is above public levels.

Buildings shall be posted with a 24-hour contact phone number(s) on the main door(s) into the building where appropriate.

I. Site Maintenance

The objectives of site maintenance are to present a clean, neat, and orderly appearance at the site and to have all the authorized improvements at the site be safe for workers and the public. All users are responsible for maintaining the overall appearance of the site.

Miscellaneous debris remaining after any construction or installation, removal or modification of equipment is not only a hazard but can cause interference or intermodulation problems. All loose debris must be removed from the site within 30 days after completing construction, reconstruction, or other activities. In particular, all loose wire or metal objects shall be removed from the site. The users of the site shall remove graffiti within ten working days of finding it. If graffiti is on natural features, such as rocks and trees, site users will remove graffiti using a method approved by the authorized officer.

Holders may not leave or dispose of trash, garbage, or cut brush on NFS lands. No outside trash or litter containers are allowed. Site users shall remove all trash and litter from the site as it is produced. Policing of litter in common areas, such as the areas between buildings and developed sites, is the shared responsibility of those holders bordering these areas.

Peeling paint on buildings and towers shall be re-painted within thirty days of discovery or as soon as possible as allowed by weather conditions.

J. Inspections

Unless waived in writing by the authorized officer, the holder shall have conducted annually a certified inspection of the facilities and equipment covered by the authorization. The inspection shall include a technical review that should ensure that all authorized equipment is operating in accordance with requirement of this site plan, the applicable FCC license or NTIA authorization, ANSI standards, and the manufacturer’s specifications. In addition, the inspection should ensure that the authorized equipment is secure, free of rust, properly grounded, and otherwise properly operated and maintained. A copy of the inspection report, certified by a telecommunication specialist, shall be provided to the authorized officer within 30 days of completion of the inspection. The Forest Service may also conduct periodic reviews to monitor for authorization compliance.

K. Fire Prevention and Hazard Reduction Requirements

Facility owners and facility managers will be required to control vegetation within the fenced or immediate area around their facilities. Gravel/mineral soil (i.e. bare ground or mowed vegetation) must be maintained to a minimum of ten (10) feet clearance around buildings and a minimum of ten (10) feet clearance around any propane tank. Identified threatened, endangered, or sensitive plant species must remain within the minimum clearance areas.

Smoking is prohibited in flammable vegetation areas.

Roof structures shall be kept reasonably clear of debris at all times.

No explosives will be stored at this site. Flammable materials shall be stored in conformance with the requirements of local fire regulations. Flammables will be placed in closed containers and stored away from sources of ignition and combustible materials. If flammables are stored within a building, the building will be locked, properly signed and well ventilated.

Approved spark arresters will be required and maintained on all internal combustion engines.

At least one (1) U.L. rated 20 lb. A:B:C dry chemical fire extinguisher is required inside each building. Prior to each June, fire extinguisher(s) shall be inspected by holders and refilled, if necessary.

Any fire will be immediately reported to “911”, the nearest Forest Service office and/or Coconino County Sheriff’s Office.

Forest Service Officers will make periodic fire prevention inspections. They will call to the holder’s attention any lack of compliance with the above regulations, plus any other

existing hazards. Compliance with these inspections is required within the time limits specified in the inspection report.

All fire protection standards must be accomplished by the beginning of fire season unless otherwise agreed to, and then maintained throughout the fire season.

For new construction, the Forest Service will provide the Holder with a separate Construction Fire Plan which will be prepared at that time as applicable. State and local laws/regulations must be followed for the diesel tank installation.

L. Access

1. Road

Holders who damage the access road, or any of its associated improvements, such as ditches, culverts, roadside vegetation, signs, and underground utilities and facilities, shall be required to repair the road to conditions equal to or superior to those prior to any damage or disturbance.

Access to Skinner Ridge Communications Site is from the City of Tusayan, southeast on Forest Road (FR) 302 for approximately 9 miles to the intersection with FR 343. Take FR 343 southeast to the top of Skinner Ridge.

2. Internal Roads and Parking Areas

Internal roads and parking areas within the communications site are the responsibility of the site users. Interior roads and parking areas shall be planned and approved by the authorized officer in conjunction with establishment of new facilities. Interior roads shall be maintained so as to allow only one entrance to the site. The intent is to discourage off-road vehicle use in and around the site.

3. Road Closures

Forest Service roads may be subject to periodic closures to entry during periods of extreme fire danger, inclement weather, or wetness. Site users may access the site during these closures if they have prior, written approval from the authorized officer.

IX. SITE ASSOCIATION AND ADVISORY GROUP

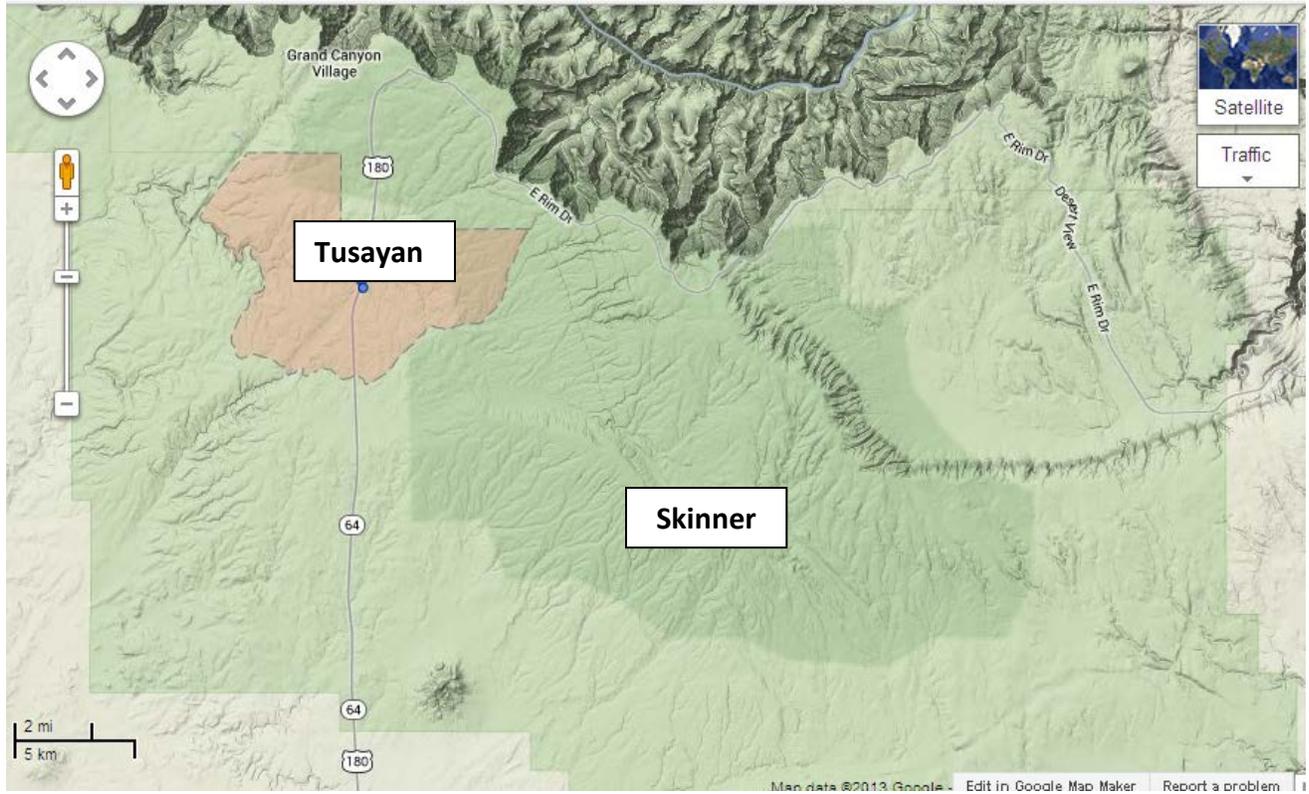
A site association is probably not needed at this time. If development were to increase, a users association may become desirable. Leadership would need to come from one of the users. As needed in the future, the site association would be responsible for obtaining and maintenance of an administrative access and upkeep of internal roads and parking areas. The site association would also be responsible for ensuring cooperation between users for on-tower access. A site safety officer would be identified within the site

association. The site association would be expected to develop a Radio Frequency Radiation Plan/Agreement and recommend measures to reduce interference issues (e.g., through use of filters).

The goal of the site association would also be to maximize the effective use of the site. The objective of a sanctioned association will be to represent all site users as a group when dealing with the Forest Service on matters relating to the site administration. The association would be able to work in cooperation with the Forest Service to identify problems or opportunities and make recommendations to the Forest Service for any changes in management strategies at the site. The association could also provide input to the Forest Service regarding the future addition of equipment and facilities at the site. While the advice and recommendations of the association would not be binding on the Forest Service, the Forest Service could use the input for administration of the site. The Forest Service would be a member of such a group and would help jointly develop the charter (i.e., the ground rules).

X. Appendices

APPENDIX A – Location Map



Site Map

Blank at this time

APPENDIX B – Authorized Facilities

Facility	Auth #	Use	Building	Tower	Other

APPENDIX C – Site Photographs





APPENDIX D – Inspection Checklist

“Skinner Ridge Annual Technical Inspection”

Date Inspected: _____ Time Inspection: _____

Authorization Holder: _____ Authorization #

Site Technician: _____ Phone # _____

Number of Transmitters _____ License Posted _____

Please mark the following Items as Acceptable (A) or Unacceptable (U).

Electrical Wiring ----- (A) (U) Grounding ----- (A) (U)

Equipment Installation ----- (A) (U) Housekeeping ----- (A) (U)

Building Repair ----- (A) (U) Tower Repair ----- (A) (U)

Please mark the following Items as Yes (Y) or NO (N) or (NA)

Isolators ----- (Y) (N) (NA) Circulators ----- (Y) (N) (NA)

Cavities ----- (Y) (N) (NA) Terminators ----- (Y) (N) (NA)

Filters ----- (Y) (N) (NA) Lightning Protection ----- (Y) (N) (NA)

Comments:

Recommended Corrective Action:

Required Corrective Action To Be Taken:

Committee Representatives:

Forest Service Representatives:

Please make the required corrective action within the next 120 days.

Please make a written report of corrective action taken and submit to the FS. If you should have any questions, please call the Forest Service office.

APPENDIX G



**DRAFT GRANDVIEW COMMUNICATIONS
SITE MANAGEMENT PLAN**

**KAIBAB NATIONAL FOREST
TUSAYAN RANGER DISTRICT
TUSAYAN, ARIZONA**

Submitted By: _____
District Ranger

Date

Approved By: _____
Forest Supervisor

Date

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I. DEFINITIONS

Authorization Holder. An individual, business, organization, or an agency that has been issued a Communications Use Lease or Special Use Permit which allows occupancy, use, rights, or privileges of National Forest System (NFS) land.

Authorized Officer. The Forest Service employee with the delegated authority to issue and manage communications uses. The authorized officer is usually the District Ranger or Forest Supervisor of the unit on which the communications site is located.

Co-location. Installation of telecommunications equipment in or on an existing communications facility or other structure.

Communications Site. An area of NFS lands designated as an electronic site through the Forest Land and Resource Management planning process for telecommunications uses. A communications site may be limited to a single communications facility, but most often encompasses more than one. Each site is identified by name, usually denoting a local prominent landmark, such as Bald Mountain Communications Site.

Customer. An individual, business, organization, or an agency that operates telecommunication equipment within a facility, but does not broadcast or resell communications services to others.

Facility. A building, tower, or other physical improvement (buildings and towers do not have to be combined to be considered a facility) that is built or installed to house and support authorized communications equipment.

Facility Manager. The holder of a Forest Service communications use authorization who (1) owns a communications facility on NFS lands, (2) rents space in or on their facility to other communications users, but (3) does not own or operate their own communications equipment and they do not directly provide communications services to third parties. Persons or entities that manage or administer a communications facility on NFS lands for a facility owner or a facility manager are not facility managers for purposes of this Communications Site Management Plan.

Facility Owner. The holder of a Forest Service communications use authorization who (1) owns a communications facility on NFS lands, (2) may or may not be renting space or equipment to other communications users in or on their facility, and (3) owns and operates their own communications equipment in their facility.

Multiple-Use Facility. A communications site facility that has multiple communications uses operated directly by the facility owner or has customers or tenants in or on that facility.

Ranally Metro Area. Geographic areas in the United States identified by Rand McNally in its Commercial Atlas and Marketing Guide that define population centers of 50,000 or more. There are approximately 450 Ranally Metro Areas (RMAs) in the United States.

Senior Use. A communications use that predates another communications use. The most senior use or uses form the basis for the communications site designation.

Single-Use Facility. A communications site facility that contains only the single communications use of the facility owner and no tenants or customers in or on the facility.

Tenant. An individual, business, organization, or an agency that operates telecommunication equipment within a facility, for the purpose of broadcasting or reselling communications services to others.

II. NARRATIVE

A. Site Description

Grandview Communications Site is located on the Tusayan Ranger District, Kaibab National Forest, Coconino County, State of Arizona, in Section 28, T. 30 N., R. 4 E., Gila and Salt River Meridian, at approximately Latitude 36° 25' 10" North, Longitude 112° 25' 15" West. The elevation at Grandview Communications Site is approximately 7,200 feet above mean sea level (msl). The area for development is approximately 1.0 acre in size. Grandview Communications Site is road accessible.

This site does not serve a Ranally Metro Area (RMA). The population is currently less than 25,000 and is therefore Zone 9. The population identified for this Zone is updated annually by the Forest Service, Washington Office, Director of Lands, and is used to determine the annual rental fee due the Forest Service.

The most senior use at this site is cellular telephone. The site is designated as Low Power Non-Broadcast. This designation was established in the Kaibab National Forest Land and Resource Management Plan approved in 2014 within prescriptions which allow electronic sites. The maximum power output for the Grandview Communications Site is based on the maximum output allowed for any individual transmitter at 1000 watts ERP. The site is proposed to be managed as low power.

B. Existing Site Development

Grandview Communications Site was first proposed in the Kaibab National Forest Land Management Plan dated 02/24/2014 and identified on the 2014 administrative map as a proposed communications site.

C. Objectives

The primary objectives of the Grandview Communications Site Management Plan are to:

1. Document site management policy, procedures and standards, which are not already specified in the standard communications use authorization.
2. No continuously transmitting uses are authorized at this site, excluding microwave and controller channels used in support of mobile radio equipment.
3. Manage for low power communications uses only. The maximum power output expressed as Effective Radiated Power (ERP) is typically based on height above average terrain (HAAT) to set the maximum radiated power levels limited to 1000 watts ERP. Each use must operate at or below the power level authorized by their respective FCC license as long as it does not exceed the site limitation of 1000 watts ERP. Cellular Mobile Data Service is exempt from this site ERP limitation as long as the use does not exceed the ERP limitations as described in the applicable FCC regulations at Title 47, Code of Federal Regulations, Part 22, Subpart H or Part 27, Subpart C. In addition, point to point microwave (FCC Part 101) is exempt from this site ERP limitation as long as non-occupational human radiation exposure levels are not exceeded by FCC regulation.
4. All uses must be designed, operated and maintained so as not to physically or electronically interfere with the senior uses. If new uses deteriorate the receiving/transmitting operation of existing uses, the new uses may be required to institute at their expense; additional studies, equipment upgrades, frequency isolation, or physically separate themselves from the existing uses.
5. Present a program for operation within the site.
6. Help fulfill the public need for adequate communications sites.
7. Protect the interests of authorization holders and site users by preserving a safe and an electronically "clean" environment.
8. Encourage the efficient development and use of space and facilities within the designated site, subject to the USFS goal to provide the best possible public service at a reasonable cost.
9. Authorize new Tenant and/or Customer uses that can physically and electronically be accommodated within existing buildings and/or towers.
10. Maintain visual resource objectives by requiring design standards that are unobtrusive and by utilizing earth tone colors and non-reflective surface material consistent with the standards in the Land and Resource Management Plan.
11. Amend this Communications Site Management Plan as necessary to be

consistent with future Forest Land and Resource Management Plans. The Forest Service will provide authorization holders with proposed amendments to this plan and will allow a reasonable period of time for the holders to review and comment on the proposed changes.

III. AUTHORITY AND JURISDICTION

A. Authority

Forest Service authority to authorize and manage communications uses on National Forest System lands derives from the Federal Land Policy and Management Act of 1976 (43 U.S.C. 1761-1771); Title 36, Code of Federal Regulations, part 251, subpart B (36 CFR 251, subpart B); Forest Service Manual (FSM) 2700; and Forest Service Handbook (FSH) 2709.11, chapter 90.

B. Jurisdiction

The Forest Service has jurisdiction over the use and occupancy of National Forest System (NFS) lands for communications purposes under the National Forest Management Act (NFMA) of 1976 (16 U.S.C. 1600 et seq.); the Federal Land Policy and Management Act (FLPMA) of 1976 (43 U.S.C. 1701 et seq.), and Title 36, Code of Federal Regulations, part 251, Subpart B (36 CFR part 251, subpart B).

The Federal Communications Commission (FCC) has jurisdiction over the use of non-Federal channels of radio and television transmission under licenses granted by the FCC. The National Telecommunications and Information Administration (NTIA) has jurisdiction over the use of Federal channels of radio transmission under authorizations granted by the NTIA.

The issuance of an FCC license or NTIA authorization does not authorize the use and occupancy of NFS lands. A Forest Service special use authorization is required for the use and occupancy of NFS lands for communications purposes.

The Forest Service has jurisdiction over resolution of conflicts associated with the use and occupancy of NFS lands, such as those involving location and re-radiation. The FCC and NTIA are not responsible for resolving occupancy conflicts associated with the use and occupancy of NFS lands or the resolution of other conflicts when entities are operating within the limits of their FCC license or NTIA authorization. However, the FCC or the NTIA may be useful in assisting in the resolution of interference problems or other frequency conflicts.

IV. RIGHTS AND RESPONSIBILITIES

A. The Forest Service

The Forest Service retains the responsibility for issuing and amending authorizing instruments to Facility Owners and Facility Managers for the authorized improvements.

The issuance of a FCC license (authorization), or frequency assignment, does not authorize occupancy of National Forest System lands. Granting occupancy and use of National Forest System lands rests exclusively with the Forest Service. This includes:

1. Amend or modify this site plan as deemed appropriate.
2. Approve new facilities, including those constructed within an authorization holder's authorized area.
3. Approve assignment of a communications use lease.

B. Facility Owners and Facility Managers Are Responsible for:

1. Complying with the terms and conditions of their communications use authorization and this site plan.
2. Ensuring that all new facilities, expansions, or improvements are consistent with the Kaibab National Forests Land and Resource Management Plan, environmental documentation and decisions affecting the use of this site, and the provisions of this site plan.
3. Requiring co-location. The lessee will provide space in and on their facilities for all compatible communication uses for which the potential customers and tenants, including potential competitors such as competing cellular service providers, have the appropriate FCC license or IRAC authorization as required by Section III.D of the lease. If the lessee is a facility manager, the lessee would not be expected to accommodate parties who want to provide parallel facility manager service.
4. May not place any unreasonable restrictions on potential or existing tenants and customers.
5. Ensuring that facilities and equipment not complying with Federal, State, and local laws, regulations, and ordinances will be removed or modified within one year of approval of this site plan. Modifications require the pre-approval of the authorized officer.
6. Keeping all facilities within the established limits of their authorized area. The Facility owner or manager may not, for itself or for any customer or tenant, authorize construction of any equipment shelter or tower, or manipulation of the site or vegetation in any way, without specific authorization from the Forest Service (See Section VII).
7. Providing the authorized officer the name, address, and telephone number of a local contact. The facility owner or the facility manager and the local contact person may be the same individual. The local contact shall be available for emergencies and shall have the authority to make decisions about construction issues, facility maintenance, and all equipment within the facility.

8. Ensuring that all communications facilities and equipment are properly installed, operated, and maintained in accordance with industry standards such as Motorola R-56. These standards may be waived by the Forest Service authorized officer when recommended by a site user association or similar technical committee or upon request of a facility owner/manager when equivalent measures would achieve similar results.
9. Providing to the authorized officer by October 15th of each year, a certified statement listing their type or types of communications uses they provide and the business names of all occupants and their type of communications use in the facility on September 30th of that year.
10. Treat and control noxious weeds on and adjacent to their permitted area, access, and parking areas. Treatment requirements and standards must be according to applicable regulations. Standards and application procedures may be obtained from the Forest Office.

C. *Tenants and Customers:*

Are required to co-locate in an existing facility when their communications use is an approved use in the site plan. Co-location in a non-Federal communications facility does not require a Forest Service authorization. Tenants and customers who co-locate in a Federal facility shall first be issued a special use permit from the authorized officer before locating in that Federal facility.

V. USE OF THE SITE

A. *Multiple-Use Facilities*

Co-location shall be required. Site applicants shall take the lead in this area and shall design their proposals to accommodate multiple uses of facilities and improvements. This includes the multiple-use of buildings, towers, solar generating systems, back-up generators, grounding systems, fuel containers, access ways, and parking areas.

Due to the limited development space at the site, new facilities or major modifications to existing facilities shall be designed to accommodate additional users even if other users are, or could be, competitors.

Facility owners and facility managers are not required to lease facility space to others if they can demonstrate to the authorized officer that:

1. Space is not available;
2. The use is incompatible with the existing communications uses at the site. For example, the proposed use is not compatible with other uses as provided for in FSH 2709.11, section 97, exhibit 05;
3. Additional space is needed by the facility owner or the facility manager; or

4. Additional users would compromise security of the facility or communications systems located in that facility.

VI. RENTAL FEES

Unless specified differently in the communications use authorization, the Forest Service shall charge facility owners and facility managers of non-Federal facilities and tenants and customers in Federal facilities an annual rental fee based on the fee schedule for communications uses on National Forest System lands contained in FSH 2709.11, Chapter 90. The rental rates shall be adjusted annually using the Consumer Price Index-Urban (CPI-U), and the population figures are adjusted annually based on the most recent Rand McNally Commercial Atlas and Marking Guide (for RMAs) and Rand McNally Road Atlas for non-RMA communities.

Rental fees that facility owners and facility managers may charge their tenants and customers shall be:

1. Reasonable and commensurate with the use and occupancy of the facilities and services provide to tenants and customers; and
2. Consistent with other fees charged for similar facilities.

VII. CONDITIONS FOR NEW CONSTRUCTION AND MODIFICATION OR EXPANSION OF A FACILITY

A. New Construction, Modification, and Expansion Responsibilities

Construction space at the site is limited. Future additional facilities or changes in the vertical or horizontal footprint may be authorized but only if no other viable alternative exists. If new facilities are proposed, or if existing facilities need modification, the following guidelines shall apply.

In addition to the responsibilities listed in Section IV, applicants, facility owners, and facility managers seeking to construct a new facility or modify or expand an existing facility are responsible for:

1. Submitting a complete application to the authorized officer prior to any new construction, modification, or expansion of a facility. The application shall include:
 - a. A copy of the approved site plan base map showing all of the proposed new, modified, or expanded facilities, including structures, towers, and auxiliary equipment;
 - b. Completed drawings or plans prepared by a professional engineer or architect;

- c. Identification of any proposed point-to-point microwave paths, a plot of their azimuth, and their proposed elevation on the tower; and
 - d. Documentation showing that the proposed facilities will not obstruct or interfere with any existing uses, including fixed point-to-point antennas, omni-directional broadcast antennas, or point-to-point microwave paths.
2. Demonstrating that the new facility will make the most efficient use of the limited amount of space at the site and will provide for future uses without additional construction.
3. Providing engineering and geotechnical investigations for development of specific foundation designs and grading plans.
4. Providing an erosion control plan prior to construction. At a minimum, the erosion control plan shall include sediment control; stipulations that cut and fill slopes will be graded and contoured to prevent erosion and excessive runoff, and recommendations for temporary erosion control measures, such as netting, silt fences, swales, sediment collection areas, and so forth.
5. Coordinating with other Federal and local governments and securing all pertinent permits and approvals from those agencies.
6. Providing 30-day's notice to all facility owners and facility managers at the site, as well as the Forest Service, of all new frequencies, either for themselves or their tenants and customers, proposed for the site. A completed FS-2700-10 shall be sent with the 30 day notice to allow for comment of potential interference. If there is a reply to the request for comments that suggests that there may be physical interference, electronic incompatibility, or potential radio frequency interference to existing uses, the Facility Owner or Facility Manager must address those concerns with a sufficiently detailed response that the existing use will withdraw its objections to the new use or special terms and conditions must be created to address those concerns. Copies of any response under this paragraph, positive or negative, must be provided to the Forest Service.

B. Construction Methods and Resource Protection

Plans submitted by a proponent, facility owner, or a facility manager for construction, modification, or expansion of a facility shall provide for soil rehabilitation measures, including soil replacement and stabilization and proper handling of runoff from buildings, parking areas, access roads, and undeveloped common areas. The authorized officer must approve all cutting or trimming of vegetation.

During construction, modification, or expansion of facilities, facility owners and facility managers shall:

1. Identify, avoid, and protect sensitive resource areas identified by the Forest Service.
2. Comply with the erosion control plan.
3. Notify the Forest Service authorized officer prior to commencing any approved ground-disturbing activities.
4. During construction and/or maintenance, paintbrushes will not be cleaned off on rocks. No marks of any kind, including survey marks, will be permitted on rocks.
5. Minimize, to the greatest extent possible, ground disturbance and vegetation removal.
6. Re-vegetate extensive cut and fill slopes with native vegetation as soon as possible after construction. All re-vegetation must have prior written approval of the authorized officer.
7. Not cast off grading material. Excess soil can be used as fill material for roads, buildings and towers.
8. Obtain prior written approval of the authorized officer for temporary, on-site storage of construction materials.
9. Not leave hazardous materials, including fuels, oils, and lubricants unattended at the site at any time. Hazardous materials shall be removed from the site at the end of each workday or temporarily stored inside a locked and posted building until the following workday. Construction materials and supplies other than hazardous materials may be left unattended at the construction site at the end of each workday at the owner's risk.
10. Remove surplus construction materials and waste debris from the site no later than 30 days after construction has been completed.
11. To prevent the spread of noxious weeds into the area, power wash off any earth-moving or heavy equipment, such as dozers, graders, cranes, backhoes, and so forth before it is brought onto National Forest System lands.

C. Construction Inspection

1. All new construction, modification, and expansion of facilities shall conform to established technical standards and accepted engineering practices, such as the Uniform Building Code, Occupational Safety & Health Administration (OSHA), National Fire Protection Association (NFPA), National Electrical

Code (NEC), **Electronic Industries Alliance**/Telecommunication Industries Association (EIA/TIA) codes and standards, and state regulations.

2. Any construction inspections required by other agencies are the responsibility of the holder. Copies of completed inspections shall be provided to the Authorized Officer, either as they occur or as part of the final as-built plan. Inspection information shall become a permanent part of the holder's special-use file.
3. Corrective work required as a result of Forest Service or other agency inspections shall be completed by the date specified in the inspection report to the satisfaction of the inspecting official.
4. A final set of as-built plans shall be submitted to the Authorized Officer within 90 days of acceptance of a structure (if the construction was contracted) or of its completion date (if the construction was not contracted).

D. New or Remodeled or Expanded Buildings

1. Any new buildings shall be designed to accommodate multiple users and shall be consistent with a site-specific environmental analysis conducted at the time of the proposal.
2. Building height will be restricted to a single story unless specifically authorized for two stories or with a snow vestibule. The roof shall be non-reflective metal or other non-reflective fire resistant material approved by the Forest Service. Roofs can be equipped with antenna support structures, such as poles and railings that can extend up to 25 feet above ground level.
3. Facility owners and facility managers are encouraged to construct the interior of their buildings in a modular fashion, so that they can:
 - a. Sublease sections to others;
 - b. Provide tenants and customers with internal separation and security;
 - c. Reduce physical interference; and
 - d. Increase management effectiveness.
4. The following materials are approved for construction of new buildings:
 - a. Floors: Concrete slab with drainage or as part of a non-flammable pre-fabricated structure.
 - b. Walls: Concrete block, metal, or pre-fabricated concrete.

- c. Roofs: Concrete, corrosion resistant metal (if painted to eliminate shiny surfaces), or other fireproof material approved by the Forest Service. Proposals for wooden roofs will not be approved.
- d. Partitions: Fire resistant material, such as reinforced concrete or properly grounded expanded metal.
- e. Color: Color used on all exterior building surfaces must have prior written approval of the authorized officer. The goal of color selection is to make buildings as inconspicuous as possible when viewed from a distance. The intent is to reduce or eliminate glare from reflective and/or illuminated surfaces such as windowpanes, sheeting and reflective paints. Non-reflective, Forest Service approved dark gray to green colors shall be used on equipment buildings.
- f. Building entry lights must:
 - i. Only light the immediate area in the vicinity of the door;
 - ii. Be motion-activated and have a limited time duration of 3 to 5 minutes; and
 - iii. Have a shielded beam that is pointed at the building door.

Requests for all-night (dusk-to-dawn) lighting or entry lighting that would be visible from outside the site will not be approved.

E. New or Remodeled/Expanded Towers

1. All construction, modification, and expansion of towers shall have the prior written approval of the authorized officer.
2. It is the applicant and holder's responsibility to ensure that new, modified, or expanded towers will not unduly interfere electronically or physically with any existing equipment at the site. Towers shall be spaced so as to prevent ground level radiation and interference problems. Compliance with these requirements shall be demonstrated in writing to the authorized officer prior to issuance of a lease, permit, or amendment.
3. All new towers shall comply with current structural and safety specifications and design standards, including safety-climbing devices. Towers should be as narrow and "open" as safety and structural integrity allow. New towers should be designed using maximum wind, snow, and tower loading anticipated for the site.
4. Tower height will be determined through NEPA; however, visual impacts in the area may restrict the height to no more than 125 feet. All new towers shall be self-supporting unless specifically authorized.

5. To avoid possible impacts to birds or bats, structures under this section must comply with the most current version of the U.S. Fish & Wildlife Service's Interim Guidelines on the Siting, Construction, Operation and Decommissioning of Communication Towers (available at <http://www.fws.gov/habitatconservation/communicationtowers.html>).
6. All towers shall be left unpainted if they are made of dull, galvanized steel. Paint is required only if the tower has a shiny or reflective surface. Non-reflective, Forest Service approved dark gray to green colors will be approved unless the FAA requires red and white tower striping.
7. No lights, beacons, signs or strobes shall be allowed on new towers unless specifically required by the FCC/FAA.

VIII. GENERAL OPERATION AND MAINTENANCE

A. Special Environmental and/or Biological Considerations

There are visual and biological considerations at this site. There may be visual impacts from Highway 64, and from Red Butte. This area also may be frequented by California condor. If other issues arise in the future, this plan will be amended in accordance with the applicable decision or direction.

B. Wiring and Grounding

1. All equipment shall be installed in metal cabinets or open frame equipment racks that are grounded and shielded. Grounding is to be installed in accordance with manufacturer's recommendations and accepted industry standards.
2. All building electrical wiring and grounding shall meet the NEC and applicable state and local codes. All permanent wiring shall be installed in metallic conduit and shall include a separate safety ground conductor. Electrical metallic tubing (EMT) raceway in and of itself shall not be used as a ground return. Exception: If galvanized rigid conduit (GRC) is employed, it shall be acceptable for use as a ground return.
3. Every effort shall be made to protect the equipment from lightning damage. Lightning protectors should be used on all coaxial cable connections to equipment enclosures. Inert gas gap or metal oxide varistor (MOV), silicon avalanche diode (SAD), or transient voltage surge protectors (TVSS) should be used on all control, audio, and power lines. Failsafe modes shall be employed in the TVSS to protect wiring and shelter from fire damage. All TVSS equipment shall be UL1449 listed or approved.
4. All new building and/or tower structures shall have its own separate station ground mat system for all users in that site and solidly bonded (such as exothermic weld, not brazing) to the electrical service entrance grounding

conductor or grounding electrode. Wherever practical, interconnection of individual station ground mats and/or the simultaneous placement of large sized copper ground wire with any new grounding systems that are buried on the site shall be encouraged.

5. Grounding shall be installed in accordance with accepted practices and standards, such as but not limited to, Motorola, Inc. “Standards and Guidelines for Communications Sites R-56 Issue B”, and NEC Articles 250, 810, and 820. Ground enhancement materials using bentonite clay is currently the only approved method for chemical grounding. Other types of chemical grounding shall require completion of NEPA documentation by the applicant prior to consideration for approval by the authorized officer.

C. *Communications Equipment*

1. Equipment Ownership

All equipment shall be labeled with:

- a. The owner’s name;
- b. Applicable transmitter frequencies;
- c. The applicable FCC license or NTIA authorization;
- d. Transmitting power outputs; and
- e. A current 24-hour telephone contact number.

2. Transmitting Equipment

All transmitters shall have protective devices built into them or externally installed to prevent interference with other uses. All transmitters shall meet FCC/NTIA requirements and be FCC type accepted for use in the licensed (or license exempt) application.

The re-radiation of intercepted signals from any unprotected transmitter and its associated antenna system shall be prevented by the use of appropriate filters, typically bandpass filters, circulators (isolators), and/or 2nd harmonic filters.

The direct radiation of out-of-band emissions (noise or spurious harmonics) shall be reduced to a level such that it may not be identified as a source of interference as defined in FCC Regulations (47 CFR 90.209(e)). If site noise (electromagnetic noise) becomes an issue, noise threshold limits shall be established, and amended into the Site Plan.

All transmitters not in immediate use and not specifically designated as standby equipment shall be removed. Loads connected to circulators shall be capable of dissipating the total power output of the transmitter.

Where duplexing is used, a notch-type filter device by itself shall be avoided. In situations where a notch-type device is used, a bandpass filter shall be used on both the receiver and transmitter. Transmitter multi-channel hybrid combining equipment should be avoided unless additional protection is provided to ensure hybrid balance and minimize the chance for intermodulation products being produced. A post combining bandpass or lowpass filter is required after the basic hybrid combiner to block undesired 2nd harmonics from being radiated.

3. Receiving Equipment

A bandpass device, such as a cavity or crystal filter, is recommended at the input of all receiving devices. Cavity filters or other protective devices may be used at receiver inputs to reduce interference.

Where duplexing is used, a notch-type device should be avoided. In situations where a notch-type device is used, a bandpass filter shall be used on both the receiver and transmitter.

4. Antennas

- a. Microwave (dish) antennas and other than ground-mounted satellite dishes shall not exceed 10 feet in diameter, unless specifically authorized to meet path performance and reliability criteria.
- b. All antennas shall meet all OSHA safety standards. If an antenna is operating in excess of the Federal Communications Commission (FCC) public or occupations standards, steps will be taken, such as fencing, posting of signs, relocation, lowering power levels, within 24 hours to bring it into compliance. Ground measurements of Radio Frequency Radiation (RFR) levels will be taken before mitigation measures are implemented.
- c. Colors for dish antennas or covers shall be pre-approved by the authorized officer. White dish antennas and covers will not be approved. Existing white dishes and covers shall be repainted or replaced as repairs or replacement become necessary.
- d. Antennas shall be treated to reduce or eliminate reflected glare.
- e. Low-powered transmit and receive antennas may be located low on the tower or on the ground.

5. Interference

The responsibility for correcting interference problems lies with the holder of the communications use authorization for the facility, the user causing the interference, and the affected parties. Generally, the first users at a site have seniority with respect to resolution of interference complaints. Senior users have an obligation to maintain their equipment to current industry standards, to operate their systems in accordance with the terms of both the FCC license and the NTIA/Interdepartment Radio Advisory Committee (IRAC) frequency authorization, and to comply with the Forest Service communications use authorization. New users at a site shall correct, at their expense, interference problems that they create. If it can be demonstrated that the senior user's equipment is at fault because of poor technical performance (does not meet, for instance, current Association of Public-Safety Communications Officials (APCO) or EIA/TIA technical standards for receiver performance), it will be necessary for the senior user to bring the poor performing receiving equipment up to current standards. The new user, in any event, shall cease operation of the suspect equipment until the problem is corrected, or as in the case of a poorly performing senior user receiver, the senior user must formulate an action plan for correcting the deficiency as soon as possible and be acceptable to both parties. If interference problems cannot be resolved or corrected within a reasonable time, the new use that is causing the interference may be terminated and the equipment removed.

If a Site Users Association is formed, all users shall cooperate with the Forest Service in the identification and correction of any interference. The Forest Service does not have any responsibility for correcting interference problems, but can act as a mediator to help all affected parties. Interference problems, whether theoretical, calculated, or measured (before and after licenses are granted) should be coordinated and resolved with the FCC or NTIA, as appropriate.

Interference with Public Safety, Critical Infrastructure, and any other emergency communications facility shall be corrected immediately. Operation of equipment covered by this site plan shall not interfere with Federal Government radio or electronic operations already in existence on NFS lands within two miles of the Grandview Communications Site. The user causing this interference shall at their own expense take all actions necessary to prevent or eliminate the interference. If they do not eliminate the interference within ten (10) days after receipt of notice from the Forest Service to do so, their use will be terminated.

If electromagnetic noise becomes an issue, noise thresholds shall be established and incorporated as an amendment to this site plan. The cost of such analysis is the responsibility of the authorization holders.

D. Cables and Transmission Lines

All new outdoor cabling shall be jacketed and 100 percent shielded and shall either be flexible or semi-rigid. Cables shall be properly installed, strapped, and fastened down. Cable runs should be consistent with applicable engineering standards when attaching cables onto a tower.

All transmission lines (including wave guide) shall be supported in accordance with manufacturer's specifications. Unjacketed transmission lines or unjacketed cables of any type are prohibited. No transmission lines shall be left unterminated. Lightning protection ground down conductors on towers shall be insulated from the tower steel and considered no different than transmission lines. Bonding of this down conductor to tower steel shall be done with NEC approved connectors that are also galvanically compatible (bronzed or tin plated) with the structural galvanized steel of the tower.

Double-shielded braided (98 percent or better) or solid-shielded cable shall be used inside of buildings. No RG-8 or RG-58 type class of cable is permitted. No connector-type adapters shall be used on transmission lines. Only correct connectors that will mate to connected devices may be used.

Conduits shall be shared as allowed for under the NEC when they service common areas and shall be buried where possible.

Existing cables and transmission lines that do not meet the above requirements shall be upgraded as repairs or replacement become necessary.

E. Radiation

All communications uses shall meet FCC, NTIA, and OSHA regulations, policy, guidelines, and standards concerning radiation limitations.

All antenna radiation zones shall meet all OSHA safety standards. If an antenna radiation zone is operating in excess of FCC public or occupational standards, steps will be taken, such as fencing, posting of signs, relocation, lowering of power levels, etc. within 24 hours to bring the zone into compliance. Ground measurements of RFR levels will be taken before mitigation measures are implemented. It is recommended that each Facility Owner or Manager, in accordance with FCC regulations 47 CFR sections 1.1307(b), 1.1310, and 2.1093, properly monitor Maximum Permissible Exposure (MPE) to electromagnetic fields for their site.

Monitoring radiation levels at the site is the responsibility of all site users and shall occur at intervals to comply with FCC regulations and guidelines. A copy of the monitoring report shall be provided to the Forest Service within 30 days of its completion.

Security fences with RFR notice signs are required around areas that exceed public use levels. All fencing location and design shall be pre-approved by the Forest Service.

Warning signs shall comply with American National Standards Institute (ANSI) C95.2 color, symbol, and content conventions. Contact information, including name and telephone number will also be included on warning signs.

Any identified RFR radiation problems that are, or could be, a public health hazard must be corrected within 24 hours after measurement tests have been completed or be removed from the site by the site user(s). If the proposed corrective action involves any new ground disturbance, it must be pre-approved by the Forest Service.

F. Utilities

Site users shall pay for the cost to install and maintain utilities, including any resource surveys and reports needed for environmental compliance. For visual reasons, new overhead utility poles are not authorized.

1. Commercial Electrical Power

Commercial power will be provided by Arizona Public Service.

2. Telephone Service

Commercial telephone lines do not service this site.

3. Fuel Storage

Fuel storage facilities on this site must be designed, installed and maintained according to applicable NFPA standards, federal, State and local laws and ordinances. All fuel storage tanks shall be grounded to the station ground mat.

If additional service is ever deemed necessary, a separate authorization will be issued to the owner of the service following the appropriate NEPA analysis and decision. The applicant must pay the cost of necessary resource surveys, and reports and construction costs including appropriate mitigation. For visual reasons, overhead utility lines may not be authorized.

G. Sanitary Facilities

No sanitation facilities exist at this site other than a public vault toilet servicing Grandview Fire Lookout visitors and Arizona Trail hikers. If needed, any expanded sanitary facilities shall be pre-approved by the Forest Service. If it is determined by the authorized officer that the user needs such facilities, they will be provided by the applicant/holder in a manner and location satisfactory to the authorized officer and requirements of the local health department.

H. Security and Law Enforcement

The Arizona Highway Patrol and Coconino County Sheriff's Department are the principal law enforcement agencies for the area in which the Grandview Communications Site is located. Generally, the Highway Patrol and County Sheriffs are responsible for civil and criminal law enforcement. Generally, the Forest Service is responsible for enforcing Federal laws applicable to NFS lands, such as resource protection. Patrol and policing for security purposes is the holder's responsibility.

If fencing is deemed necessary for security purposes at the facility on the site, it must meet the following criteria and appropriate NEPA analysis, TCP coordination, and decision:

1. All fences must meet health and safety requirements.
2. All fence locations and design require Forest Service pre-approval.
3. The standard fencing type will be chain-link (i.e. cyclone).
4. The standard fence height will be eight (8) feet.
5. Fencing will be designed, maintained, and of a type to minimize interference issues. All fencing materials shall be hot-dip galvanized coated to minimize corrosion and dissimilar metal contacts.
6. Fencing shall be grounded at regular intervals not to exceed 20 feet to the station ground mat. The purpose of this requirement is to lower its conductivity to RF signals and shunt those RF signals to ground and prevent re-radiation.
7. Fences will be signed with RFR notices if RFR is above public levels.

Buildings shall be posted with a 24-hour contact phone number(s) on the main door(s) into the building where appropriate.

I. Site Maintenance

The objectives of site maintenance are to present a clean, neat, and orderly appearance at the site and to have all the authorized improvements at the site be safe for workers and the public. All users are responsible for maintaining the overall appearance of the site.

Miscellaneous debris remaining after any construction or installation, removal or modification of equipment is not only a hazard but can cause interference or intermodulation problems. All loose debris must be removed from the site within 30 days after completing construction, reconstruction, or other activities. In particular, all loose wire or metal objects shall be removed from the site. The users of the site shall remove graffiti within ten working days of finding it. If graffiti is on natural features,

such as rocks and trees, site users will remove graffiti using a method approved by the authorized officer.

Holders may not leave or dispose of trash, garbage, or cut brush on NFS lands. No outside trash or litter containers are allowed. Site users shall remove all trash and litter from the site as it is produced. Policing of litter in common areas, such as the areas between buildings and developed sites, is the shared responsibility of those holders bordering these areas.

Peeling paint on buildings and towers shall be re-painted within thirty days of discovery or as soon as possible as allowed by weather conditions.

J. Inspections

Unless waived in writing by the authorized officer, the holder shall have conducted annually a certified inspection of the facilities and equipment covered by the authorization. The inspection shall include a technical review that should ensure that all authorized equipment is operating in accordance with requirement of this site plan, the applicable FCC license or NTIA authorization, ANSI standards, and the manufacturer’s specifications. In addition, the inspection should ensure that the authorized equipment is secure, free of rust, properly grounded, and otherwise properly operated and maintained. A copy of the inspection report, certified by a telecommunication specialist, shall be provided to the authorized officer within 30 days of completion of the inspection. The Forest Service may also conduct periodic reviews to monitor for authorization compliance.

K. Fire Prevention and Hazard Reduction Requirements

Facility owners and facility managers will be required to control vegetation within the fenced or immediate area around their facilities. Gravel/mineral soil (i.e. bare ground or mowed vegetation) must be maintained to a minimum of ten (10) feet clearance around buildings and a minimum of ten (10) feet clearance around any propane tank. Identified threatened, endangered, or sensitive plant species must remain within the minimum clearance areas.

Smoking is prohibited in flammable vegetation areas.

Roof structures shall be kept reasonably clear of debris at all times.

No explosives will be stored at this site. Flammable materials shall be stored in conformance with the requirements of local fire regulations. Flammables will be placed in closed containers and stored away from sources of ignition and combustible materials. If flammables are stored within a building, the building will be locked, properly signed and well ventilated.

Approved spark arresters will be required and maintained on all internal combustion engines.

At least one (1) U.L. rated 20 lb. A:B:C dry chemical fire extinguisher is required inside each building. Prior to each June, fire extinguisher(s) shall be inspected by holders and refilled, if necessary.

Any fire will be immediately reported to “911”, the nearest Forest Service office and/or Coconino County Sheriff’s Office.

Forest Service Officers will make periodic fire prevention inspections. They will call to the holder’s attention any lack of compliance with the above regulations, plus any other existing hazards. Compliance with these inspections is required within the time limits specified in the inspection report.

All fire protection standards must be accomplished by the beginning of fire season unless otherwise agreed to, and then maintained throughout the fire season.

For new construction, the Forest Service will provide the Holder with a separate Construction Fire Plan which will be prepared at that time as applicable. State and local laws/regulations must be followed for the diesel tank installation.

L. Access

1. Road

Holders who damage the access road, or any of its associated improvements, such as ditches, culverts, roadside vegetation, signs, and underground utilities and facilities, shall be required to repair the road to conditions equal to or superior to those prior to any damage or disturbance.

Grandview Communications Site is located approximately one mile from Grand Canyon National Park on Forest Road 310. Access is from Arizona Highway 64, approximately 2 miles SE of Grandview Point in the Park.

2. Internal Roads and Parking Areas

Internal roads and parking areas within the communications site are the responsibility of the site users. Interior roads and parking areas shall be planned and approved by the authorized officer in conjunction with establishment of new facilities. Interior roads shall be maintained so as to allow only one entrance to the site. The intent is to discourage off-road vehicle use in and around the site.

3. Road Closures

Forest Service roads may be subject to periodic closures to entry during periods of extreme fire danger, inclement weather, or wetness. Site users may access the site during these closures if they have prior, written approval from the authorized officer.

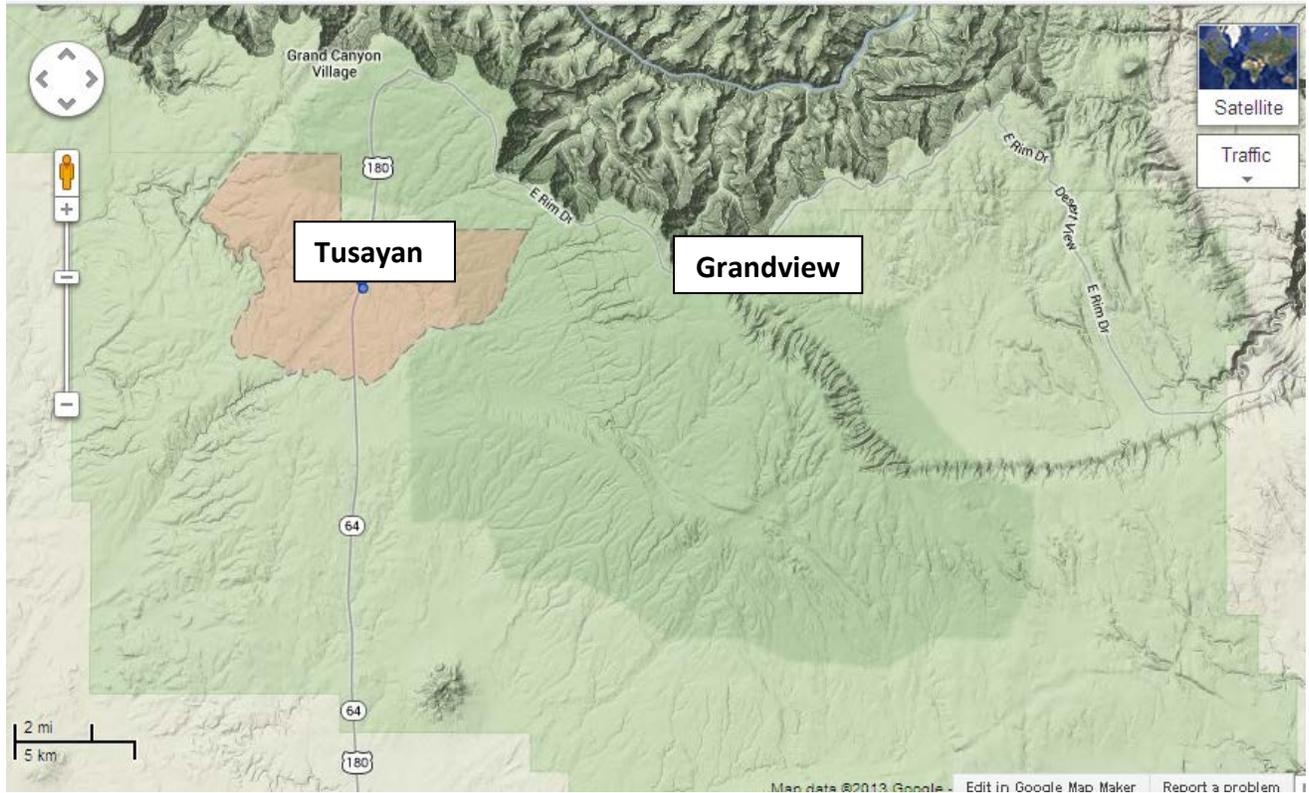
IX. SITE ASSOCIATION AND ADVISORY GROUP

A site association is probably not needed at this time. If development were to increase, a users association may become desirable. Leadership would need to come from one of the users. As needed in the future, the site association would be responsible for obtaining and maintenance of an administrative access and upkeep of internal roads and parking areas. The site association would also be responsible for ensuring cooperation between users for on-tower access. A site safety officer would be identified within the site association. The site association would be expected to develop a Radio Frequency Radiation Plan/Agreement and recommend measures to reduce interference issues (e.g., through use of filters).

The goal of the site association would also be to maximize the effective use of the site. The objective of a sanctioned association will be to represent all site users as a group when dealing with the Forest Service on matters relating to the site administration. The association would be able to work in cooperation with the Forest Service to identify problems or opportunities and make recommendations to the Forest Service for any changes in management strategies at the site. The association could also provide input to the Forest Service regarding the future addition of equipment and facilities at the site. While the advice and recommendations of the association would not be binding on the Forest Service, the Forest Service could use the input for administration of the site. The Forest Service would be a member of such a group and would help jointly develop the charter (i.e., the ground rules).

X. APPENDICES

APPENDIX A – Location Map



Site Map

Blank at this time

APPENDIX B – Authorized Facilities

Facility	Auth #	Use	Building	Tower	Other

APPENDIX C – Site Photographs

North View



East View



APPENDIX D – Inspection Checklist

Grandview Communications Site Annual Technical Inspection

Date Inspected: _____ Time Inspection: _____

Authorization Holder: _____ Authorization # _____

Site Technician: _____ Phone # _____

Number of Transmitters _____ License Posted _____

Please mark the following Items as Acceptable (A) or Unacceptable (U).

Electrical Wiring ----- (A) (U) Grounding ----- (A) (U)

Equipment Installation ----- (A) (U) Housekeeping ----- (A) (U)

Building Repair ----- (A) (U) Tower Repair ----- (A) (U)

Please mark the following Items as Yes (Y) or NO (N) or (NA)

Isolators ----- (Y) (N) (NA) Circulators ----- (Y) (N) (NA)

Cavities ----- (Y) (N) (NA) Terminators ----- (Y) (N) (NA)

Filters ----- (Y) (N) (NA) Lightning Protection ----- (Y) (N) (NA)

Comments:

Recommended Corrective Action:

Required Corrective Action To Be Taken:

Committee Representatives:

Forest Service Representatives:

*Please make the required corrective action within the next 120 days.
Please make a written report of corrective action taken and submit to the FS. If you should have any questions, please call the Forest Service office.*

APPENDIX H
FSH 6609.14 – TELECOMMUNICATIONS HANDBOOK
R3 SUPPLEMENT 6609.14-94-2
EFFECTIVE 5/2/94

CHAPTER 30- STANDARDS

30.2 – Objectives. To assure safe and professional telecommunication tower installations within the Region, established design standards must be adhered to.

31 - FOREST SERVICE STANDARDS.

Telecommunication towers are vital in carrying out the Forest Service mission in communications, and are critical on special uses' communication sites. Forest Service owned and special use telecommunication towers must adhere to the following design standards and requirements.

4. Responsibility.

- a. The Regional Director of Engineering has the responsibility and authority to approve all Forest Service telecommunication tower designs used within the Region (FSM 7313.04d).
- b. The Regional Director of Engineering delegates to Forest Supervisors responsibility and authority to approve telecommunication tower designs for authorized special uses (FSM 7313.04d). Approvals are also subject to standards in section 31, paragraph 6.
- c. Qualified Engineers are responsible for certifying all telecommunication tower designs for both new towers and tower modifications.
- d. See also the Responsibility sections in FSM 2704 and FSM 7310.

5. Definitions.

- a. Telecommunication Towers. Antenna towers and antenna supporting structures used for telecommunication purposes. Telecommunication tower is also known as "tower" in this supplement.
- b. Qualified Engineer.
 - (1) Special use tower designs and Forest Service towers designed by consultants: a Qualified Engineer is an engineer who by study, training and experience is qualified to design, supervise construction, and to perform inspections of towers. Qualifications must include current state registration as a professional engineer. Certification of calculations and inspections must include the engineering seal, with date and signature of the engineer.

(2) Forest Service towers designed by Forest Service engineers: a Qualified Engineer is an engineer who by study, training and experience is qualified to design, supervise construction, and perform inspections of towers.

c. Radial Ice. Thickness of ice applied uniformly around the exposed surfaces of the structure, guy wires, and appurtenances. The weight of radial ice shall be 56 pounds per cubic foot (pcf).

d. Rime Ice. Porous ice buildup that forms on the structure, guy wires, and appurtenances in a directional plane, usually into the wind. This ice loads the tower in one direction on all structure members. The weight of rime ice shall be 30 pcf.

e. Appurtenances. Items attached to the structure such as antennas, transmission lines, conduits, lighting equipment, climbing devices, platforms, etc.

f. Tower Modification. A tower is considered to be modified when the structure or loading of the tower is changed or additional appurtenances, such as antennas, are added to the structure that were not included in the original tower design.

6. Standards. The following requirements shall apply to all telecommunications tower installations and modifications on National Forest lands and sites leased by the Forest Service.

a. Designs must include the following:

(1) A facility site plan that shows the tower in relationship to adjacent towers and buildings. Plan and elevation views of the tower shall be submitted showing the locations and size of all proposed appurtenances. For tower modifications, drawings shall include the locations for all new and existing antennas. All existing appurtenances shall be labeled as such.

(2) Tower design calculations showing the tower is capable of handling the wind and ice loadings, proposed appurtenances and any modifications. A foundation investigation report which gives the engineering properties and capacity of the soil, as well as foundation design calculations. The foundation investigation report may be for the specific tower to be erected or a report from a previous tower already on the site. The tower design calculations and foundation design calculations must be certified by a Qualified Engineer.

b. The construction or modification of a tower must be inspected by a Qualified Engineer. At completion of construction or modification, the engineer must certify the construction has met the design requirements for the tower installation.

c. Telecommunication tower construction or modification shall meet the requirements found in American National Standards Institute/Electronic Industries Association/Telecommunications Industry Association - 222 (ANSI/EIA/TIA-222), latest edition.

d. Tower designs may require greater wind speed and ice loading, depending on individual site characteristics, such as exposure, lack of tree cover, updraft potential, etc. Loadings need to be validated by a Qualified Engineer for the specific tower location.

e. In addition to the requirements of ANSI/EIA/TIA-222, wind and ice loadings must meet the following minimum criteria or requirements for variance:

(1) Wind Load. 100 MPH minimum, except 110 MPH at La Mosca, Mt. Elden, San Antonio Mountain, and Sandia Peak.

(2) Radial Ice Load. Weight of radial ice shall be 56 pounds per cubic foot. Radial ice loads are:

Forest	Radial Ice Load
Apache/Sitgreaves	NF3/4 inch minimum, except 1 inch minimum at Greens Peak.
Carson NF	1 inch minimum, except 1 1/4 inch minimum at San Antonio Mountain.
Cibola NF	1 inch minimum.
Coconino NF	3/4 inch minimum, except 1 1/2 inch minimum at Mt. Elden.
Coronado NF	3/4 inch minimum.
Gila NF	Southern - 3/4 inch minimum. Northern - 1 1/4 in. minimum.
Kaibab NF	3/4 inch minimum, except 1 1/4 inch minimum on North Kaibab.
Lincoln NF	3/4 inch minimum.
Prescott NF	3/4 inch minimum.
Santa Fe NF	1 inch minimum.
Tonto NF	3/4 inch minimum.

(3) Rime Ice Load. Rime ice loading is generally an unstable condition that occurs in light winds and specific moisture and temperature conditions. Rime ice should be considered for total tower loading, without wind and radial ice loading. Weight of rime ice shall be 30 pounds per cubic foot. Rime ice loadings are:

Forest	Rime Ice Load
Apache/Sitgreaves NF	8 to 10 inches.
Carson NF	8 to 10 inches.
Cibola NF	8 to 10 inches.
Coconino NF	8 to 10 inches.
Coronado NF	10 to 12 inches.
Gila NF	Southern - 10 to 12 inches. Northern - 8 to 10 inches.
Kaibab NF	8 to 10 inches.
Lincoln NF	10 to 12 inches.
Prescott NF	6 to 8 inches.
Santa Fe NF	8 to 10 inches.
Tonto NF	10 to 12 inches.

(4) Variances for Local Conditions. Sites at lower elevations and sheltered from wind may be considered for a variance to lower wind and ice loading requirements. Variances must be proposed by a Qualified Engineer and approved by the Regional Director of Engineering. Variance requests must include supporting data. No variances will be granted for wind speeds below the county listings of minimum basic wind speeds in ANSI/EIA/TIA - 222, latest edition. Variances may also be granted by an approved site development plan which specifically identifies wind and ice criteria for the site. No variance is needed for higher wind speeds or larger ice loadings.

Appendix I

Checklist for Communications Facility Inspection

Communications Site Name: _____ Date: _____

Facility Owner or Facility Manager: _____

Inspectors: _____

Item	Condition Acceptable (yes/no)	Remarks
General Administration:		
Certified inventory matches users present in the facility		
Fire hazard clearance completed		
Overall appearance of the facility		
Other:		
Power Systems:		
Power lines (10ft. clearance from Average snow level)		
Generators and fuel storage		
Batteries (venting, eye wash, goggles)		
Wiring		
Protection (fuses/breakers)		
Grounding:		
Building		
Transmitters		
Tower:		
Grounding clamps, straps, wires		
Lighting rod in place		
Signs of arcing		
Gradual curves in grounding wires		
Condition of antenna ground		
Other:		
Transmitters:		
Installed/maintained to manufacturer's specifications		
FCC license or NTIA authorization posted		

Item	Condition Acceptable (yes/no)	Remarks
Building/Equipment Shelter:		
Lettered or numbered		
Painted in accordance with site plan		
Maintained to standard		
Safety defects		
Interior orderly		
Equipment properly secured		
Other:		
Tower:		
Bent or fractured cross members		
Loose or missing bolts		
Broken or cracked welds		
Signs of unusual stress		
Twisted or distorted tower		
Signs of rust, pitting, or other damage		
Condition of paint (if applicable)		
Condition of galvanizing		
Condition of walks, climbing pegs, steps		
Guy wires:		
Broken strands		
Rust or deterioration		
Connections (preforms and clamps)		
Thimbles and shackles		
Other:		
Miscellaneous:		

Appendix J

Scenery Management Background Information

The Scenery Management System (SMS) is a system for the inventory and analysis of the aesthetic values of National Forest System lands. It combines elements of the landscape character (natural features), landscape visibility (the human values of the relative importance of scenery and sensitivity based on distance from an observer), and constituent information about the meaning people give to the identified landscape. Thus, it provides a way to analyze the impacts of management activities on forest scenery.

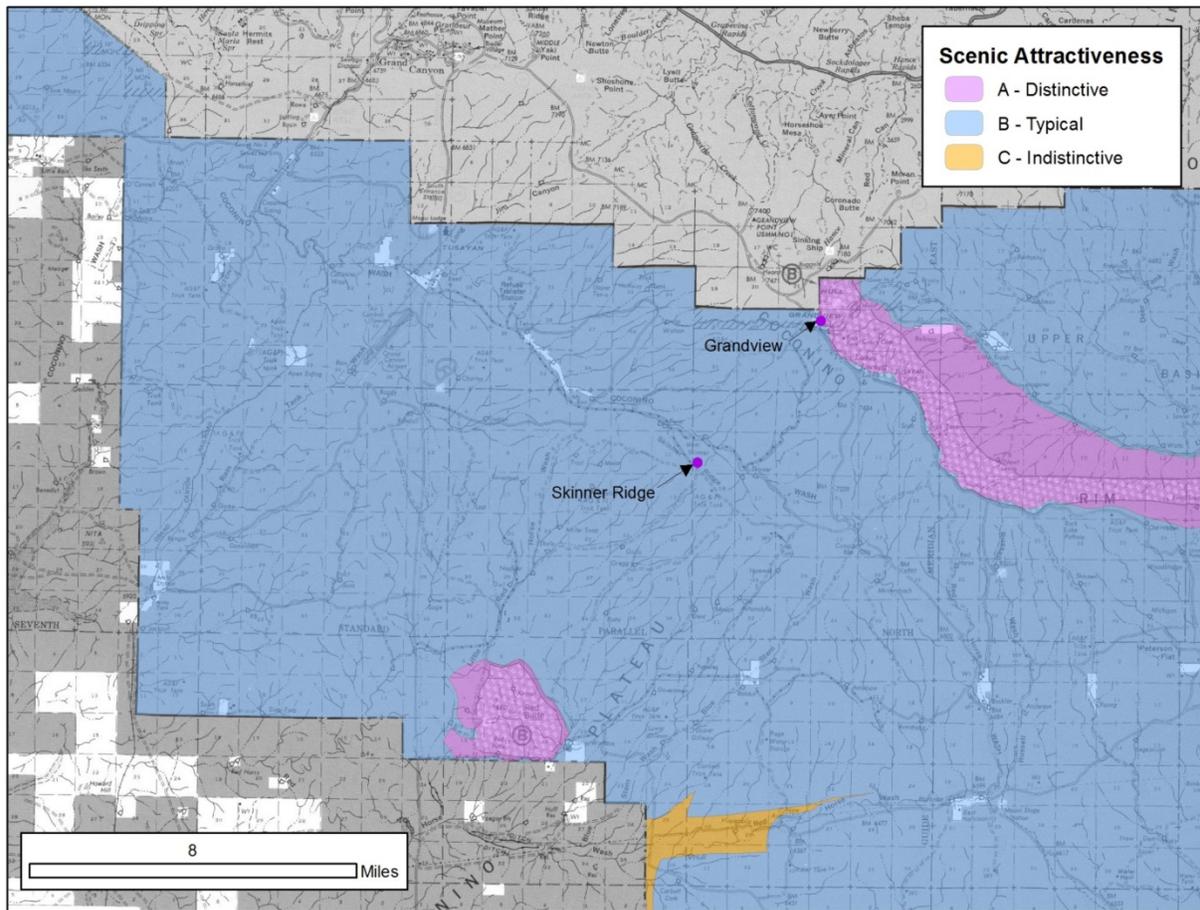
A. Landscape Character - describes the landscape's inherent physical appearance and identifies an optimal set of valued scenery attributes.

The potential cell towers would be located east of Tusayan in the areas of Skinner Ridge and Grandview. The vegetation is composed of ponderosa pine vegetation with some Gambel oak and scattered pinyon and juniper trees. Red Butte is a distinctive geologic formation in the southern portion of the district, reaching an elevation of 7,326 feet above sea level. This point can be seen along the north/south corridor of Hwy 64 as one approaches the Grand Canyon National Park, and is also framed in the background along one short stretch of the highway through the Park. Near the proposed location of Grandview stands the Grandview Lookout Tower and Cabin, which are historic structures. A microwave dish is located on this tower; however, no other structure will be permitted at this site. The proposed Grandview location would be adjacent to the Arizona National Scenic Trail. There are no perennial water bodies in either proposed cell tower locations.

B. Scenic Attractiveness - Primary indicator of the scenic importance of a landscape based on human perceptions of the intrinsic beauty of landforms, rockforms, waterforms, vegetation patterns, and cultural features. It reflects varying visual perception attributes of variety, unity, vividness, intactness, coherence, mystery, uniqueness, harmony, balance, and pattern. Three levels of scenic attractiveness are identified during the scenery inventory process: Distinctive (A), Common or Typical (B), and Indistinctive (C).

The scenic attractiveness for the Highway 64 corridor is B (common or typical) for the area, with the exception of Red Butte which is A (distinctive). Figure 1 illustrates the scenic attractiveness levels for the area.

Figure 1. Scenic Attractiveness



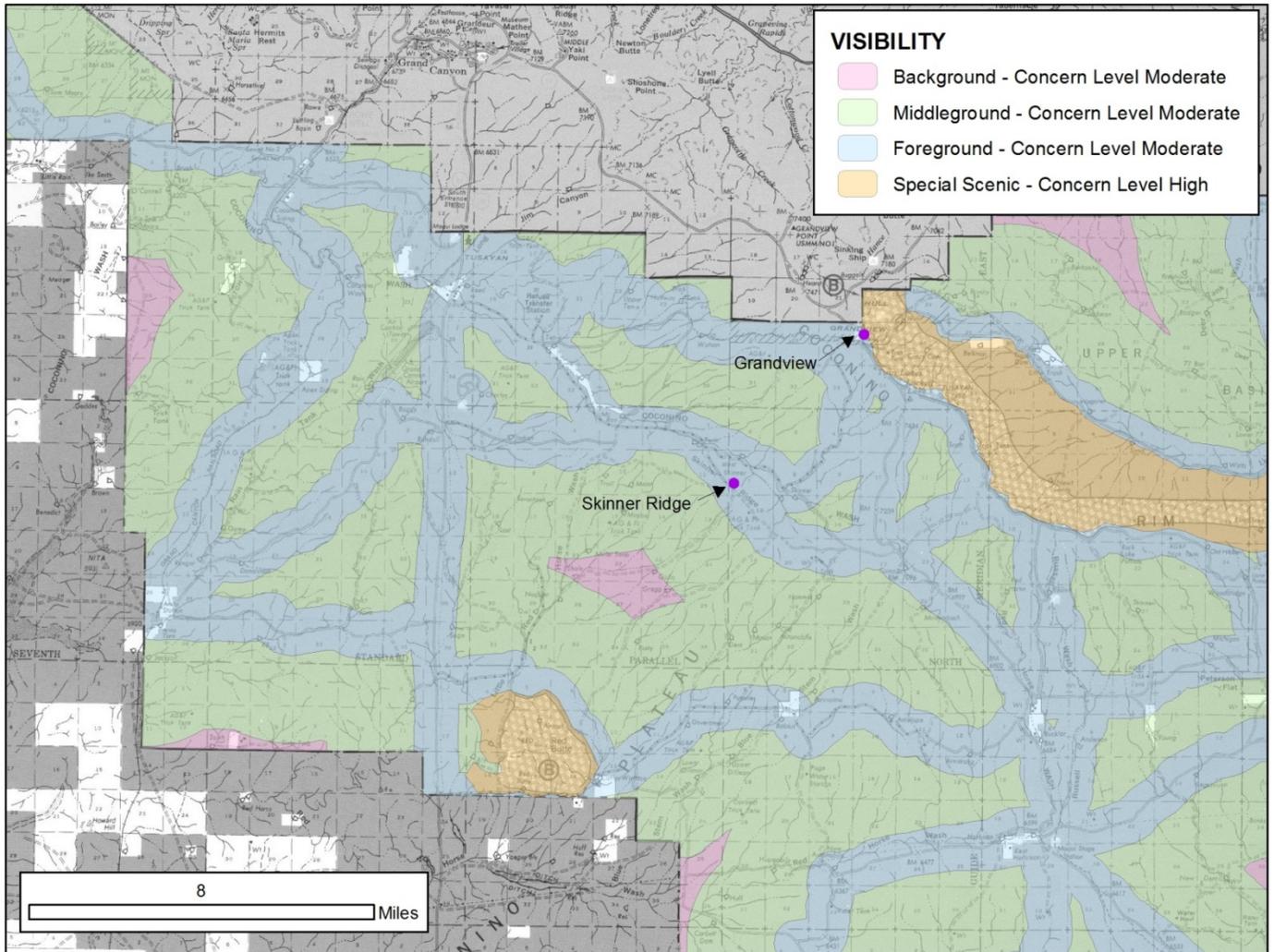
C. Landscape Visibility - one's ability to see and perceive landscapes, and addresses the relative importance and sensitivity of what is seen and perceived in the landscape. Concern levels and distance zones are elements of landscape visibility.

Concern Levels - the degree of public importance placed on the aesthetics of landscapes. Concern levels are assigned to travelways and use areas to describe three levels of interest in scenery: High (1), Moderate (2), or Low (3).

Distance Zones - landscape areas denoted by specified distances from the observer. These include foreground, middleground and background. Distance zones are used as a frame of reference in which to discuss landscape attributes or the scenic effect of human activities in a landscape.

The concern levels and distance zones are illustrated in Figure 2. The areas of importance to most observers will be the foreground and middleground. Highway 64/180 is the primary means for travel to Grand Canyon National Park, the concern level for the highway will be moderate.

Figure 2. Landscape Visibility concern levels



D. Constituent Information - Red Butte is a unique geological formation of the Coconino Plateau in northern Arizona. The dark layer of rock at its top is a basaltic cap that is a remnant of past volcanic activity. It has protected the butte from the erosion experienced by the surrounding landscape. The plateau on which the butte is located consists primarily of Kaibab limestone, the rock that forms the top layer of the cliffs in the Grand Canyon. The lower portion of the butte is composed of the Moenkopi formation, a stratum that is exposed in the Painted Desert. On top of this lie the Shinarump conglomerate, another Painted Desert Rock and then the cap of basalt. The top of Red Butte provides an excellent 360° view of the surrounding area, including the San Francisco Peaks.

The Red Butte Trail (Trail 37) is part of the developed forest trail system of the Kaibab National Forest. It lies in the southern portion of the Tusayan Ranger District, and climbs from 6,460 ft. elevation at the trailhead to 7,326 ft. elevation on top of Red Butte. Red Butte is culturally important to many local tribes and plays a part in ceremonial traditions.

The Arizona National Scenic Trail (Trail 101) is part of a national trail system which runs south to north through the state of Arizona. The Tusayan Ranger District portion of the trail lies in the central and northern portion of the District, following a northerly route from the south, turning towards the west at the trailhead adjacent to Grandview Lookout.

Scenic Integrity: *The degree to which a landscape is free from visible disturbances that detract from the natural or socially valued appearance (revised definition for this Appendix).* Scenic Integrity disturbances most typically result from human activities, but can also result from **natural events which exceed** the landscape's historic range of variability (HRV) in terms of magnitude, duration or intensity. An exception to this is direct human alterations that have become accepted over time as positive landscape character attributes; e.g., historic cabins, farms and ranches.

Scenic integrity objectives are set for the forest based on inventory and analysis of the above components (A, B, C, D). As an objective, this may reflect the current scenic integrity of an area and/or the desired conditions.

The scenic integrity objective (SIO) for the potential tower locations is moderate. Figure 3 illustrates the SIO for the Tusayan Ranger District. The valued scenery "appears slightly altered." Noticeable disturbances are minor and visually subordinate to the valued scenery because they repeat its form, line, color, texture, pattern and scale. When used as a standard or guideline, this level should be achieved as soon after project completion as possible or within 3 years maximum.

If the valued landscape character or its scenery attributes are potentially at risk, then a more in-depth analysis and integration with other resources is recommended to

adequately inform decision-makers about trends and foreseeable effects on the valued scenery.

Concerns Identified

- 1) Potential height of towers.
- 2) Tower structure
- 3) Type and appearance of support buildings
- 4) Views from Red Butte, Highway 64 and Arizona National Scenic Trail
- 5) Avoid sky lighting by locating a tower where a road curve will visually emphasize the disturbance.

Figure 3. Scenic Integrity Objective

