



## AMATEUR RADIO DIGITAL COMMUNICATIONS

**F.A.O:** Tim Wilkinson  
1129 Oxford Street  
Berkeley, CA,  
94707,  
UNITED STATES

**Issued:** 2024-10-26  
**Expires:** 2029-10-26  
**Prefix:** 44.32.112.0 / 20

### LETTER OF AUTHORIZATION

Dear Tim,

You are hereby licensed to use the above prefix, during the period stated, with details as per Schedule 1, subject to our EULA (End User License Agreement) the latest version of which may be downloaded here: <https://portal.ampr.org/download/eula>. In order to maintain continuity of use, you may request renewal of this LOA within the final 12 months of the stated period. Requesting renewal of this LOA is your responsibility and renewal is only granted at our discretion.

You are authorized to arrange with your Network Service Provider(s) to provide BGP connectivity of the prefix to the Internet at large. If the prefix is larger than /24 you are only permitted to advertise the entire prefix, you are not permitted to advertise smaller prefixes without written permission from ARDC. You are reminded that ARDC does not provide any communications connectivity for this prefix and that responsibility for such and any traffic over it are yours alone, including traffic from third parties that may use the prefix. ARDC will arrange for a route object in the RADB IRR database, you are requested NOT to add your own route object to RADB or ALTDB. If you require a route object adding to ALTDB as well please contact us and we will arrange this. Any route objects discovered in RADB or ALTDB not placed there by ARDC will be removed.

Note that ARDC retains ownership of the address block and may revoke this license at any time for any reason.

Licensees are reminded that this LOA permits you to use the prefix for Amateur Radio research, experimentation, and operational purposes exclusively. Other use of the address space may be grounds for revocation of this license and loss of permission to use the prefix specified.

Authorized officers of ARDC may from time to time contact you to ascertain whether the prefix is still in active use. ARDC may also carry out their own checks, e.g. check whether the prefix is visible in the global routing table. Inactive status of the prefix for an extended period of time, or inability to contact the licensee are grounds for revoking this license.

**You must login to the Portal: <https://portal.ampr.org> at least once every 12 months and confirm your contact details are up to date. Failure to do so will result in this LOA and permission to use the prefix being revoked.**

Kind Regards and best 73,

Chris Smith – G1FEF  
ARDC BGP Administrator

# SCHEDULE 1

Subnet: 44.32.112.0 / 20

State all ASNs that will originate the announcement of the prefix: AS32681

Administrative contact:

- a. full name: Tim Wilkinson
- b. callsign: KN6PLV
- c. email: tim.wilkinson@me.com
- d. telephone: +1 5102078308
- e. full postal address: 1129 Oxford Street Berkeley, CA, 94707, UNITED STATES

Technical contact:

- a. full name: Tim Wilkinson
- b. callsign: KN6PLV
- c. email: tim.wilkinson@me.com
- d. telephone: +1 5102078308
- e. full postal address: 1129 Oxford Street Berkeley, CA, 94707, UNITED STATES

Describe what this allocation will be used for: The high level goal is to enable users of AREDN to use 44-net addresses within their meshes. We also want to have those addresses accessible from other public 44-net address, both within the larger AREDN supernode network as well as other public allocations of 44-net address. While these addresses will be part of the public internet, we will only allow access into the AREDN network from other 44-net addresses. As AREDN is a loosely connected set of locally managed radio meshes, we will be sub-allocating this 44-net to multiple meshes. The operators of these meshes will in turn allocate them to their local members. We do not intent to manage the per-node address allocations, instead just managing /24 delegation. To simplify the burden on each Mesh, we will provide BGP services for this complete allocation in our local data center, and use our own supernode network to route traffic to and from the Internet and AREDN meshes. However, we will sub-allocate /24 to each mesh so they, in the future and in cooperation with the ARDC, may take ownership of their own BGP services if they choose.

Number of IPs expected to be in use immediately: 1048576; within 6 months: 1048576; within 12 months: 1048576.

Justification for the number of IPs expected to be used above: Per discussion with Adam and Schuyler, this is the first allocation of addresses we will provide over the AREDN supernode network to various regional AREDN meshes. The AREDN meshes will in turn allocate pieces of these to AREDN node owner who wish to participate. As the allocation is for only /20, and we will sub-allocate as /24, we expect to use this entire allocation within the first week we take this system live. To be honest, a /18 might make more sense.

This prefix must not be used for any commercial purpose of any kind.

Network Service Provider(s) (NSP) details:

- a. Name: Vultr (Choopa, LLC)
- b. ASN: AS20473
- c. NOC Email: support@vultr.com
- d. NOC Telephone: +1-973-849-0530
- e. Postal Address: 14 Cliffwood Ave Suite 300, Metropark South Matawan, NJ 07747, USA

- a. Name: Hurricane Electric
- b. ASN: 6939
- c. NOC Email: noc@he.net
- d. NOC Telephone: 510-580-4100
- e. Postal Address: he.net

Public network information: <https://portal.ampr.org/qr4/44d12515-ddf8-422b-b23a-e4acb227458c>



Amateur Radio Digital Communications | 5663 Balboa Ave, Suite 432, San Diego, CA 92111-2705 USA  
Tel: +1-858-477-9900 | <https://www.ardc.net> | [contact@ardc.net](mailto:contact@ardc.net)