



Issue 1304

EARC Approved

The months of planning have finally paid off for the EARC Upgrade planning team. The word has come through from the site management that the council has approved the upgrades planned for EARC. For those people in the north that have been waiting for options to be able to get a reliable connection to the network this is good news.

For those that may not have been following. The Air-Stream EARC node is incorporated in the Elizabeth Amateur Radio Club's (EARC) site which is located behind the Holden factory in Elizabeth South . This is a 55m water tower which has views 360 degrees and can be picked out on the horizon for many kilometres. The tower is owned by the Council and is managed by a third party which means strict guidelines must be followed in the Planning, Construction and continued use of the site.

So what plan has been approved you may ask. The installation of 8 sector antennas covering 360 degrees around the tower in both 2.4GHz and 5.8GHz. We have been approved to install 4 new masts on the tower which will allow Air-Stream the ability to keep using the site for many years to come and will mean members in the northern suburbs will be able to have fast reliable connections into the network.

Backbone connectivity into the site has also been approved for upgrade. With the reallocation of some of the older backbones to more "central" nodes within the network. This is expected to greatly improve the speed and latency of the site, thus allowing northern members better options for fast connections.

this issue

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Upcoming Events

- Apr 16—Network Team Meeting
- Apr 24—Members Meeting (Parkside)
- Apr 27—ASLAN #28
- May 08—Committee Meeting

Did You Know?

If you have any Project, Site, Event or General Suggestions for the Air-Stream Network Team or Committee you can email Network@air-stream.org or Committee@air-stream.org and your suggestion will be considered for development.





Photos

EARC Cont.

Now for the hard part. Actually completing the upgrades is going to present its own challenges. With over 80 penetrations into the concrete and the installation of 4 new masts, cabling between floors and new earthing and power distribution and that's all before any wireless equipment is installed, this is going to be one exciting build to be part of.

A full parts list is available and if you are interested in contributing to this upgrade please visit the Air-Stream Wiki where you can find more information on what is required and the full plan.



For more information about how you can contribute to project contact the Air-Stream Committee committee@air-stream.org or Network Team network@air-stream.org

If you would like to get involved with the EARC Upgrade project visit the Air-Stream Wiki and the EARC Upgrade Section.

(Front Page Image) Mini Maker Faire
Air-Stream attended the Adelaide Mini Maker Faire, with thousands of people passing through we got to explain to many people who we are and what we do. Thanks to Sam, Chris, Tony, Troy, Dave and others who helped out on the day.



Before any upgrade can occur some hardware is required. As you can appreciate this upgrade is going to be an expensive one, hence Air-Stream needs the continued support by its members with donations and time.





Upcoming Projects

Suntrix-Hermitage is a new build in Lower Hermitage, this will provide amazing connectivity between EARC and Modbury North.

EARC Approved!

Carrick Hill The 5ghz Sector was stumbled at SLS West Beach, so this link will become reality when SLS West Beach is built in the future.

Network Updates

FPA Holden Hill

Site located on North East Road in Holden Hill. With an 11m mast there are two Ubiquiti Nanobridge M5's Linking devast8a and Teringie and a Bullet M2 for an access point. The hope is to supply coverage to the Holden Hill area where no current access points were established. Thank you to all that helped with the build.



FPA Teringie

Site located in Teringie and owned by Danny Natale a new member, currently has two masts installed. One with a sector pointing towards Holden Hill and a Ubiquiti Rocket Dish RD30 pointing at GSPV. There is also a grid with a groove currently sharing the Highgate Park to Skye link. This site is in a good spot and has great potential the future to benefit the Air-Stream Network. The link to GSPV is currently at -62dBm and has given north-south another path to the Highgate Park node.



Devast8a

Site located in paradise, was an in roof install 3m high with no wires. Mast consists of two Nanobridge M5's linking Paradise and the Holden Hill nodes, as well as a Bullet M2 for an access point, the site is using a 750up for routing and power.

Q: What is 'Air-Stream'?

Air-Stream Wireless was established by a handful of dedicated wireless enthusiasts in 2001 and became an Incorporated Association in September 2002. It is the first and largest Community Wireless Network (CWN) in South Australia to successfully build a Wide Area Network (WAN) using wireless technologies.

With hundreds of active members the network now forms part of the largest community wireless network in Australia and is continuing to grow with the help of wireless enthusiasts and radio amateurs across Adelaide and Australia.

Q: Want to know more?

If you want to know more about anything Air-Stream you can always email us! [committee @ air-stream.org](mailto:committee@air-stream.org)

Q: Got something to sell?

Our monthly members meetings draw a crowd of likeminded people, if you have surplus equipment to sell bring it along. Check out the Air-Stream website for upcoming meeting dates and locations.



Member Services

Update your information and Node DB

<https://members.air-stream.org>

Webmail

<https://mail.air-stream.org>

Wiki

<https://wiki.air-stream.org>

Issue Tracker

<https://tracker.air-stream.org>

Want your article here?

We are always looking for more information to hand out to our members. If you have some news on Network Events, New Builds, Upgrades, Amazing deals or just want to ask a question feel free to send your ideas, stories and questions to **committee @ air-stream.org** and we will get back to you as soon as we can to ensure we can include the content in our newsletter.

Are we missing something?

Is there a service that you would like to see on the network? As a member you are more than welcome to run services on the network.

If you have an idea for a service and don't have the knowledge or time to set something up.

Email **committee @ air-stream.org** or check out the suggestions section at **wiki.air-stream.org**

Air-Zine

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