

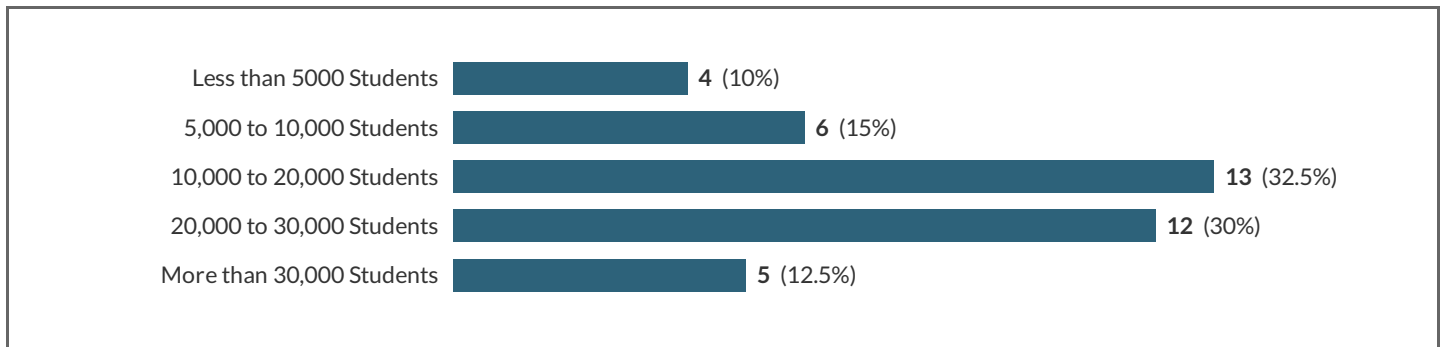
UK HE Wireless LAN Design and Administration Survey V3.0

Showing 40 of 40 responses

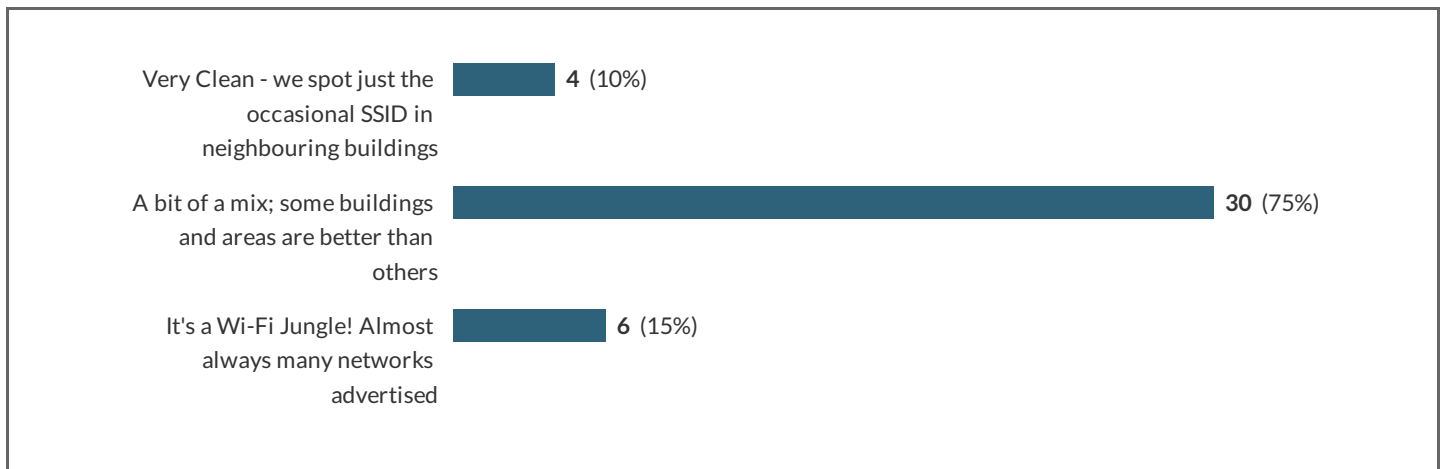
Showing **all** responses

Showing **all** questions

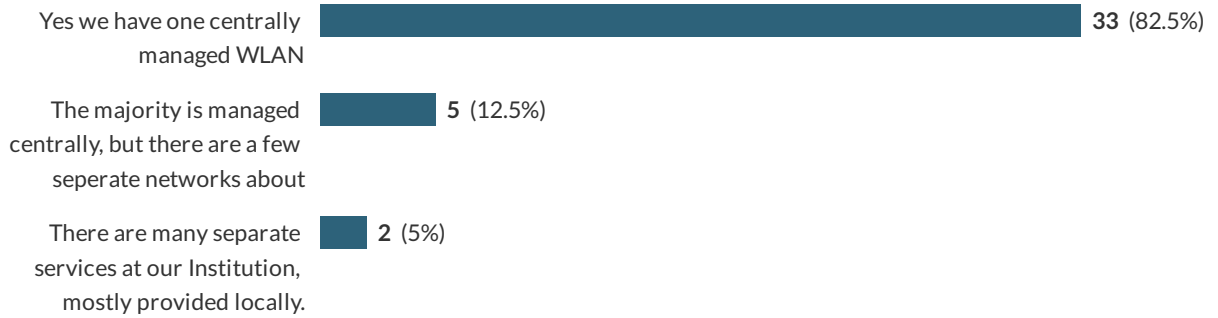
1 Approximately how large is your Institution?



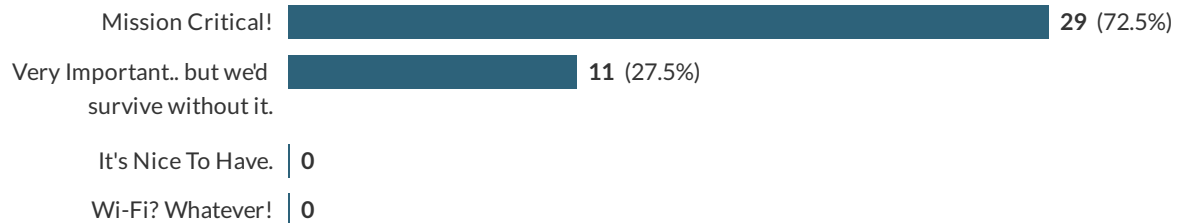
2 How would you describe competition for the "airspace" at your Institution?



3 Is the WLAN at your institution managed centrally?



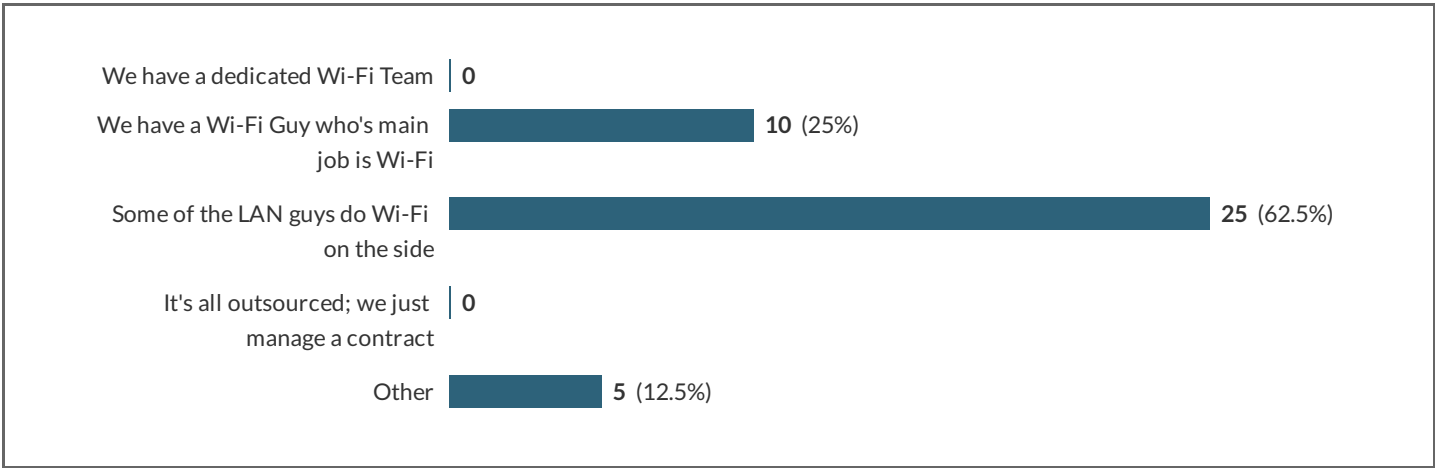
4 How important would you say the WLAN is viewed as being at your Institution?



5 Is there anything else about your Institution or it's Environment which affects the ability to deliver services over Wi-Fi?

Showing 5 of 14 responses	
Cost of infrastructure to outlying or off site buildings. Negotiation with partners to provide a multi-ssid environment including eduroam	98631-98625-6006433
Underfunded, no proper training, unsympathetic buildings.	98631-98625-6006326
We have some old (listed) buildings although most are less than 50 years old. In those buildings it has been difficult to install wireless network equipment in a permanent way because of the materials and listed status. In a very small number of buildings it has not been possible to install equipment with major building work. In those cases a temporary solution provides partial coverage. The barriers to progress are generally age of building, older listed buildings or building materials.	98631-98625-6010565
Some halls of residence are in a city centre environment, with many neighbouring networks.	98631-98625-6035316
airport nearby so RADAR affects some 5GHz channels.	98631-98625-6038673

6 Who is primarily responsible for the Wi-Fi in your institution



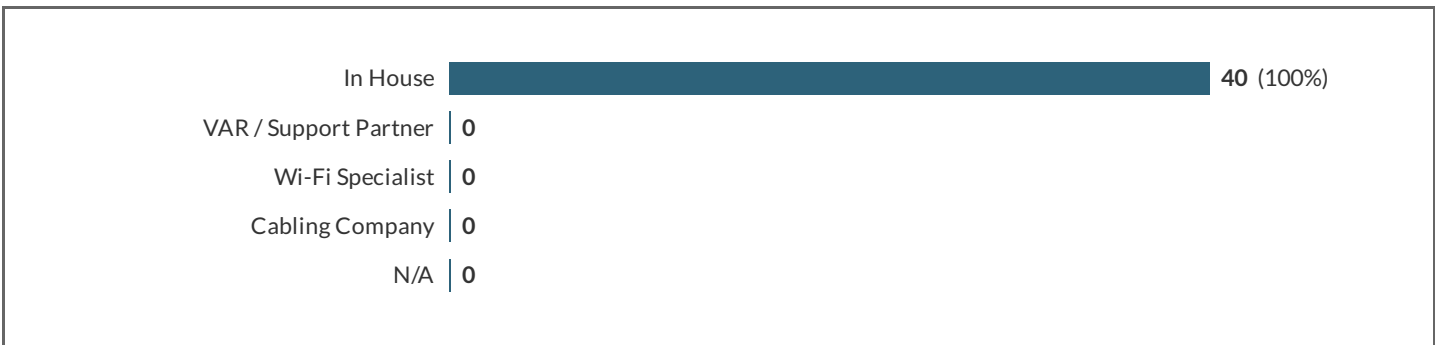
6.a If you selected Other, please specify:

Showing 5 of 6 responses	
We have an infrastructure team responsible for all servers and network. One person is the primary wifi contact but has other significant responsibilities. Others are secondary Wifi specialists.	98631-98625-6006433
we have a networks team in which some people do WiFi - its not a 'WiFi on the side' role whose, not who's. Tut. :-)	98631-98625-6038673
Two staff with a focus on WiFi, but not only WiFi. Rest of team (5-6 others) have at least a working knowledge and can step in as needed. It's certainly not looked upon as being "on the side", but nor do we dedicate staff to only WiFi	98631-98625-6064554
I have one person responsible for servers, LAN and Wifi	98631-98625-6074737

7 Who is primarily responsible for the delivery of each of the below Wi-Fi service elements? 'Core Network' relates to controller based architectures

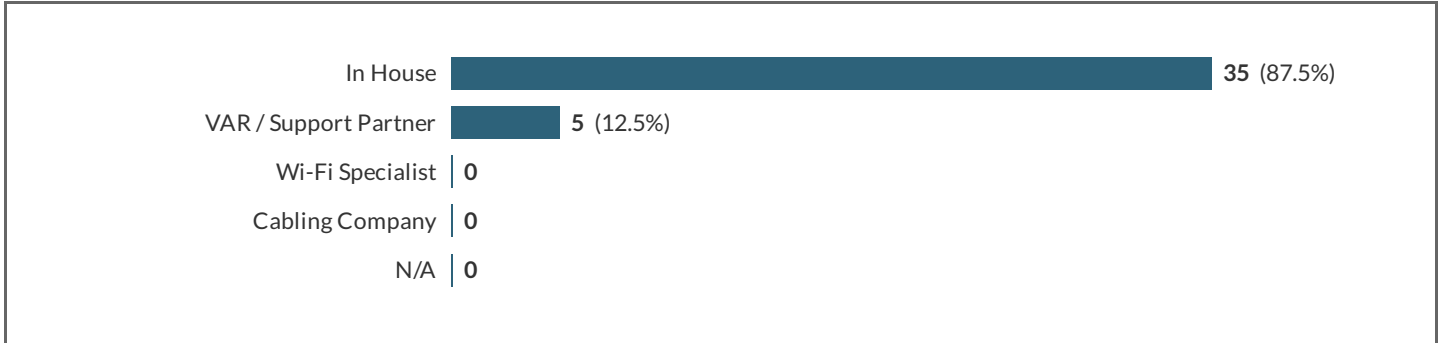
7.1 Core Network Administration

7.1.a Core Network Administration - Delivery Method



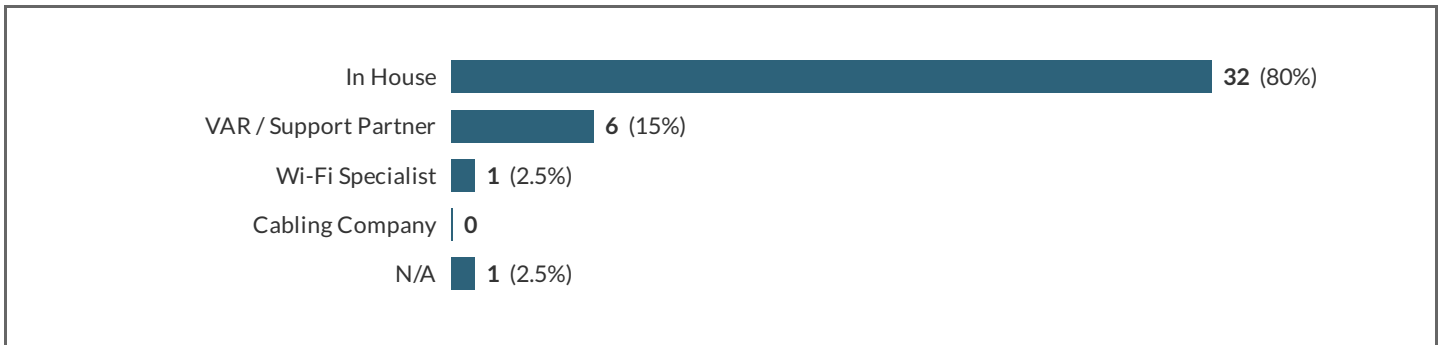
7.2 Core WLAN Design and Installation

7.2.a Core WLAN Design and Installation - Delivery Method



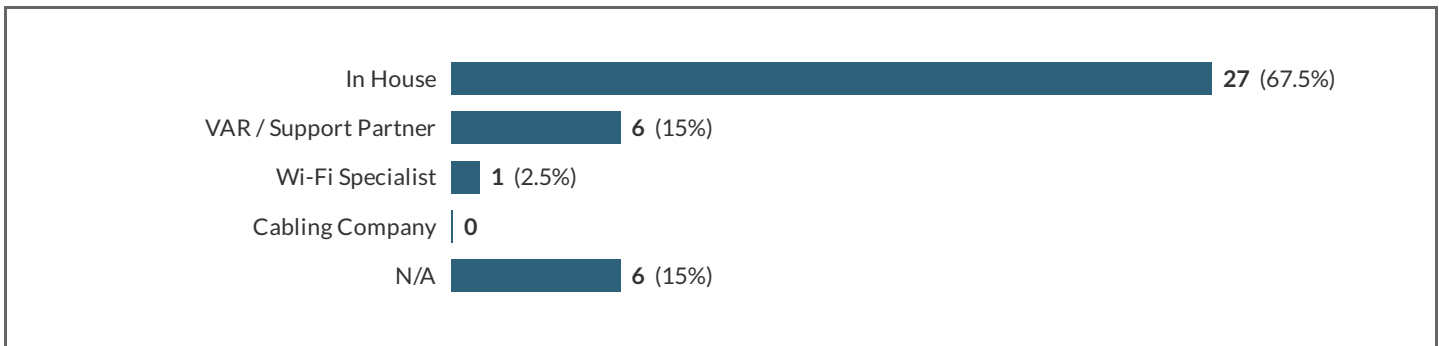
7.3 WLAN RF Design and Specification

7.3.a WLAN RF Design and Specification - Delivery Method



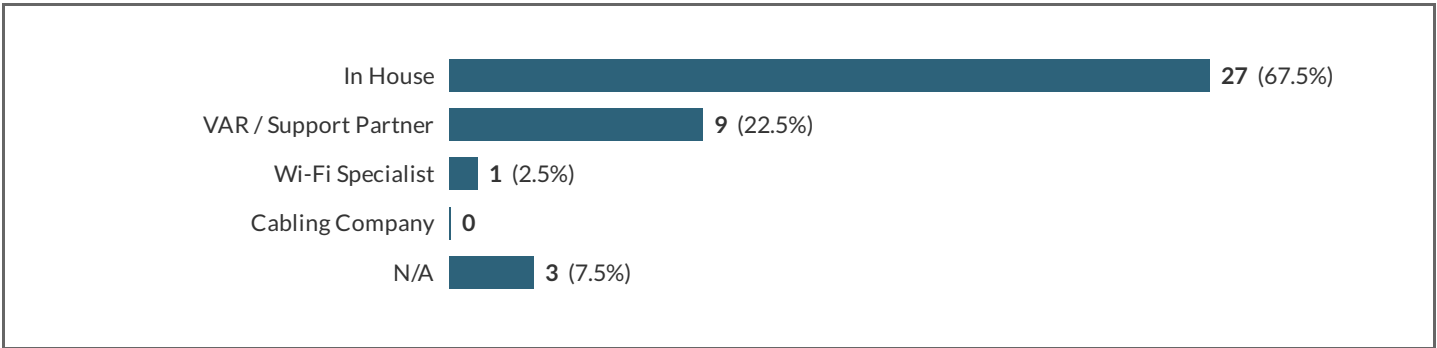
7.4 Off Plan Predictive Survey (eg Ekahau, Airmagnet)

7.4.a Off Plan Predictive Survey (eg Ekahau, Airmagnet) - Delivery Method



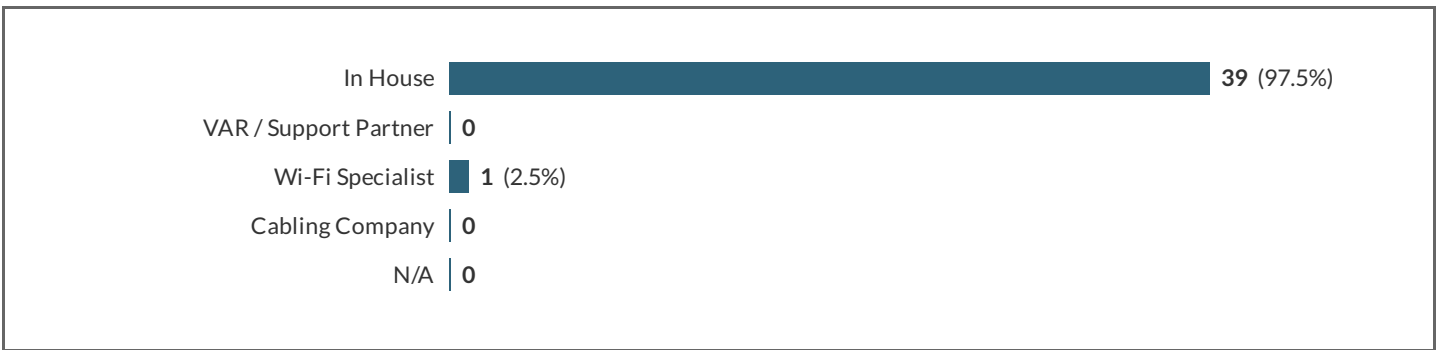
7.5 On Site Survey

7.5.a On Site Survey - Delivery Method



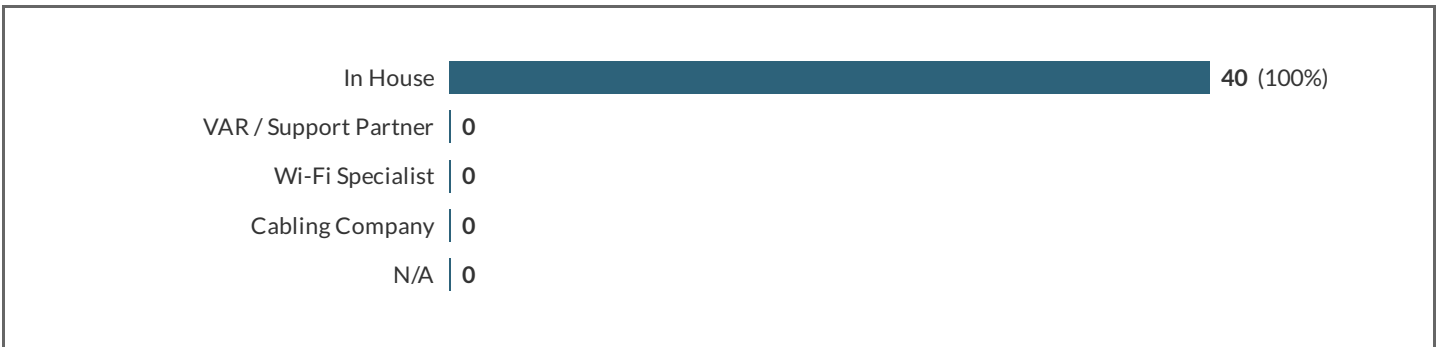
7.6 WLAN Network Troubleshooting

7.6.a WLAN Network Troubleshooting - Delivery Method



7.7 WLAN Client Troubleshooting

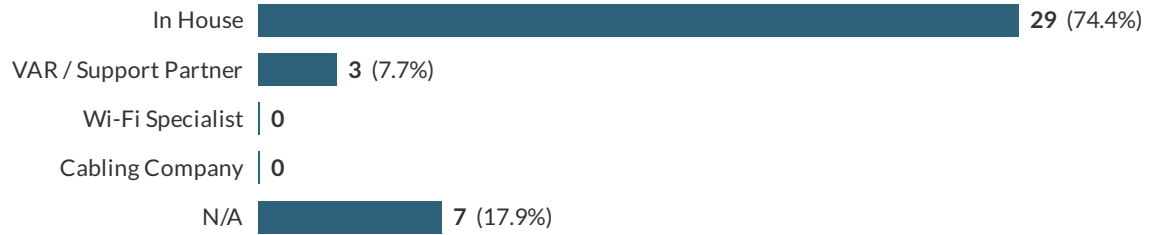
7.7.a WLAN Client Troubleshooting - Delivery Method



7.8 Post Install Validation Survey

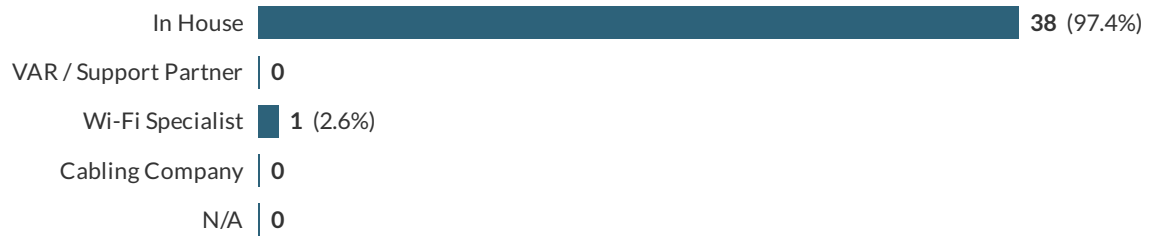
7.8.a Post Install Validation Survey - Delivery Method





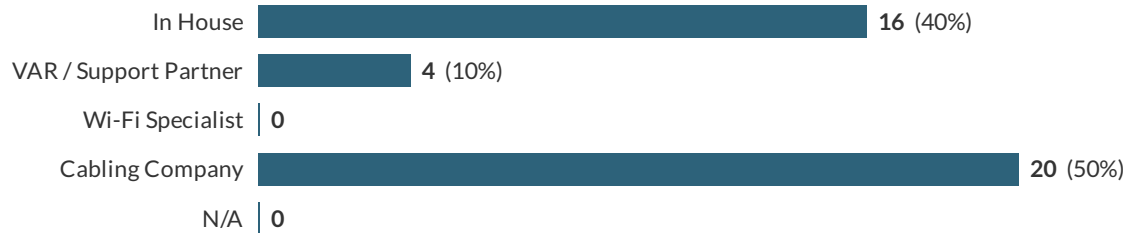
7.9 WLAN Security

7.9.a WLAN Security - Delivery Method



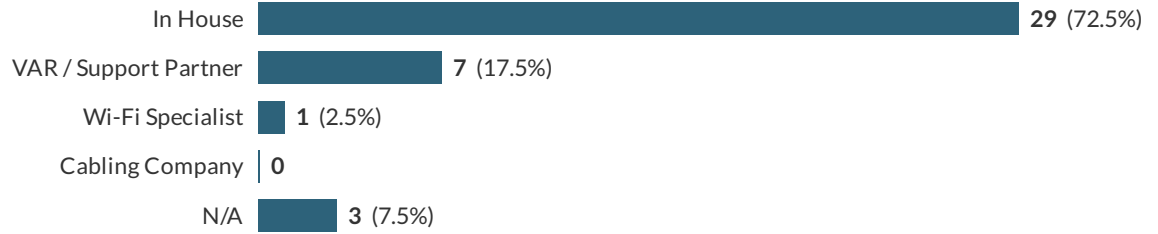
7.10 Physical deployment of APs

7.10.a Physical deployment of APs - Delivery Method



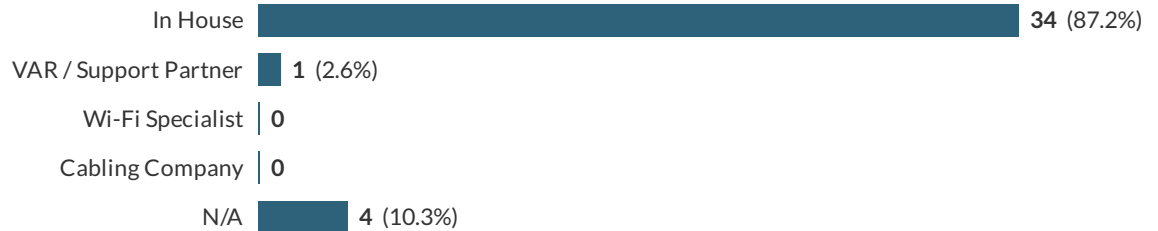
7.11 Guest Access Services

7.11.a Guest Access Services - Delivery Method



7.12 Wireless NMS (eg, Prime/Airwave, etc)

7.12.a Wireless NMS (eg, Prime/Airwave, etc) - Delivery Method



7.a Is there anything you would like to add regarding delivery of the above services?

Showing 5 of 15 responses	
As one of three third line network engineers, I have been given responsibility for wireless, but don't have much specific experience in RF. It's something I'm learning, quickly!	98631-98625-5973942
We work with support partners but the work is done in house. We go to the support partners for software or hardware specific issues that cannot be resolved in house.	98631-98625-6010565
We're in the process of reviewing/reviving our surveying tools and methodology.	98631-98625-6028879
The above applies going forward, we used a VAR to handle all of these activities during the initial installation of our infrastructure.	98631-98625-6035316
We do more than one of the above for some of the lines.	98631-98625-6054695

8 Does your team hold any Professional Certifications relating to Wi-Fi, and How valuable do you think such certifications are?

8.1 Vendor WLAN Certification (EG Aruba ACMA)

8.1.a Vendor WLAN Certification (EG Aruba ACMA) - Certification Level Reached

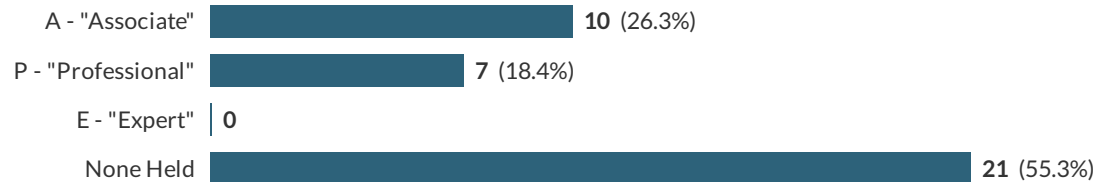


8.1.b Vendor WLAN Certification (EG Aruba ACMA) - Value of this type of Certification

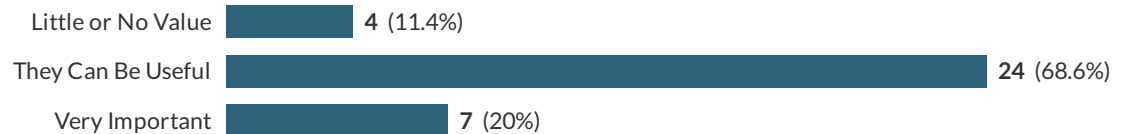


8.2 Vendor LAN / Security Certification (EG CCNA, CCNP,,JNCIA)

8.2.a Vendor LAN / Security Certification (EG CCNA, CCNP,,JNCIA) - Certification Level Reached



8.2.b Vendor LAN / Security Certification (EG CCNA, CCNP,,JNCIA) - Value of this type of Certification



8.3 Independent LAN cert (EG, network+)

8.3.a Independent LAN cert (EG, network+) - Certification Level Reached



8.3.b Independent LAN cert (EG, network+) - Value of this type of Certification



8.4 CWNP Certification (EG: CWNA, CWDP, CWNE)

8.4.a CWNP Certification (EG: CWNA, CWDP, CWNE) - Certification Level Reached



8.4.b CWNP Certification (EG: CWNA, CWDP, CWNE) - Value of this type of Certification

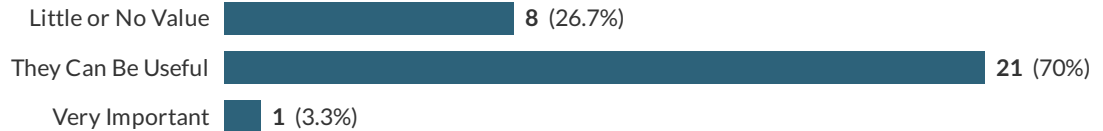


8.5 Other Related Cert(s)

8.5.a Other Related Cert(s) - Certification Level Reached



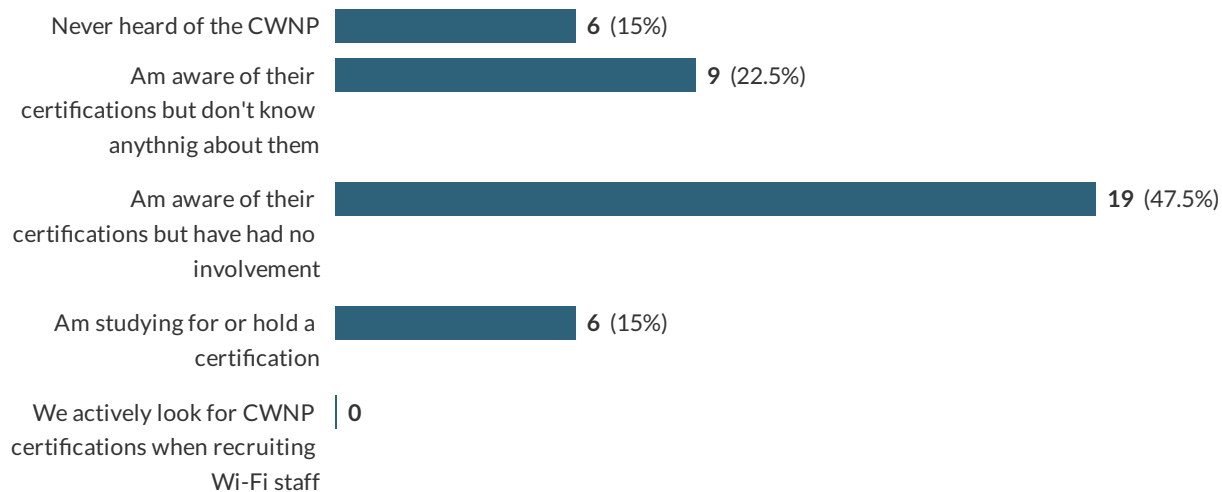
8.5.b Other Related Cert(s) - Value of this type of Certification



8.a Is there anything else you would like to add regarding the value of Wi-Fi certifications?

Showing 5 of 12 responses	
I have requested to be put onto CCNA wireless, though perhaps there are better options.	98631-98625-5973942
Many WiFi certification's with individuals are out of date as new modulation and backbone requirements com through. VAR's are usually needed.	98631-98625-6006433
I think Wi-Fi Certifications are valuable because they provide good information about the technology and an understanding of the standards. The certifications are lacking because they provide little information to apply that knowledge in practice. How do you carry out a survey? How do you evaluate equipment? What is the best practice. The certification talks about the importance of a site survey but does not explain with any great detail on how to perform one. Network administrators are left to define this themselves.	98631-98625-6010565
Our institution has previously seen experience as more important than certification and therefore difficult to get budget but this is changing - thankfully!	98631-98625-6011808
I would like to add that I feel professional and expert level vendor certifications (e.g. CCNP Wireless) are probably very good except that it is almost impossible to acquire training for these due to the high cost.	98631-98625-6049832

9 About the CWNP Program Specifically; what is your knowledge and exposure to this organisation and it's WLAN certifications?

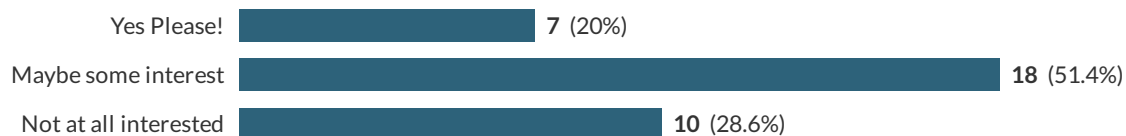


10 How much training budget is available for those in your Institution who support Wi-Fi for Wi-Fi training per annum

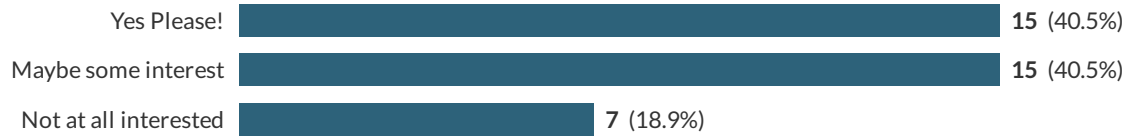


11 Would you be interested in Wi-Fi training aimed specifically at the challenges faced in the HE sector? If so, what format would you prefer?

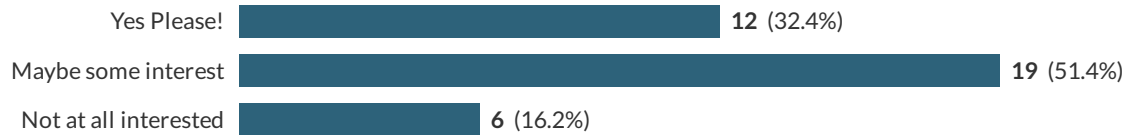
11.1 Half Day introduction to Wi-Fi course



11.2 Full day introduction to Wi-Fi course



11.3 Half Day course on specific area (e.g. 'Introduction to Site Survey')



11.4 Full day course covering specific areas (e.g. 'Site Survey 101') including practical elements

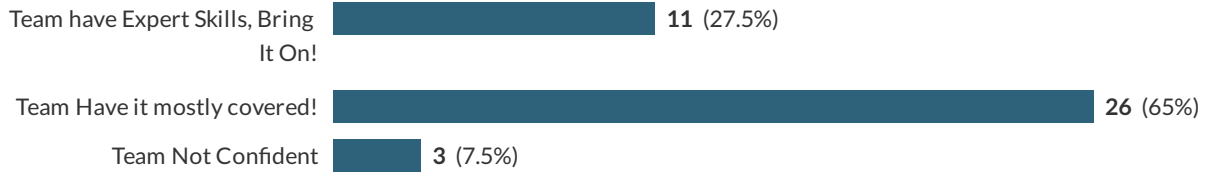


11.5 Longer courses covering multiple areas.

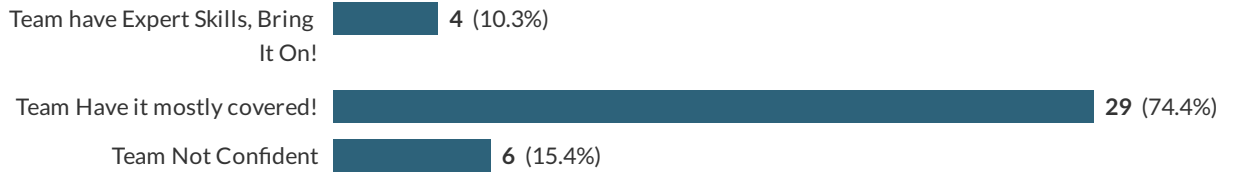


12 How would you describe your [team's] WLAN Skills in the following areas

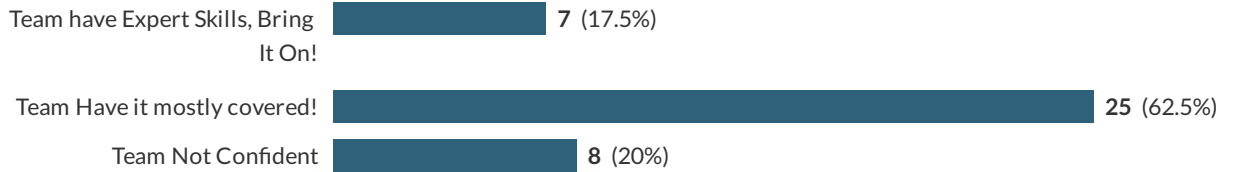
12.1 Vendor Kit knowledge (AP's Controllers)



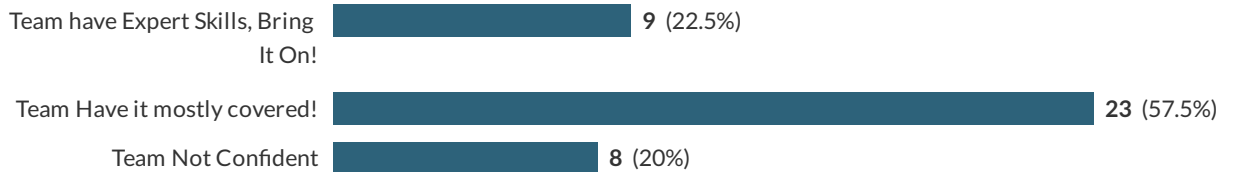
12.2 Vendor Kit Knowledge (NMS, etc)



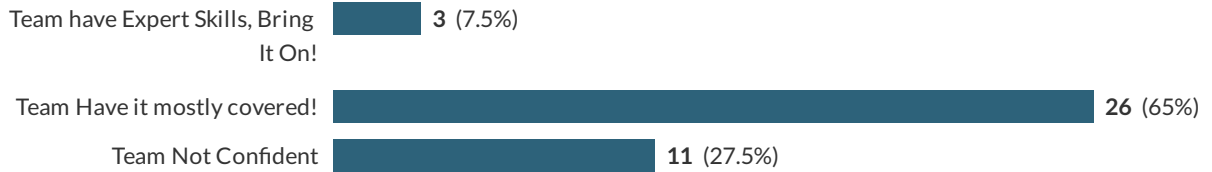
12.3 WLAN Security



12.4 WLAN Design



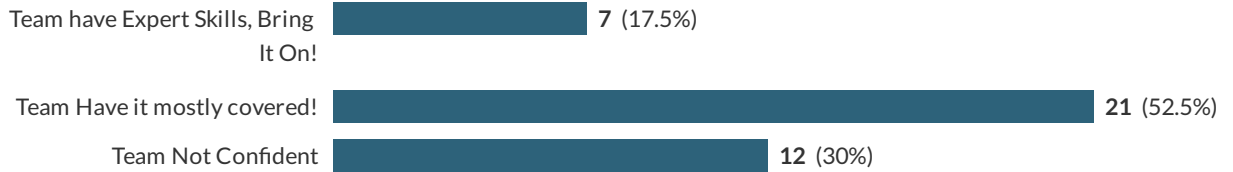
12.5 Site Survey and analysis



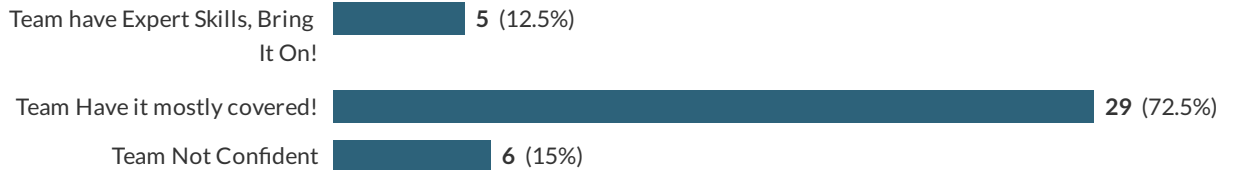
12.6 WLAN Troubleshooting – Spectrum Analysis



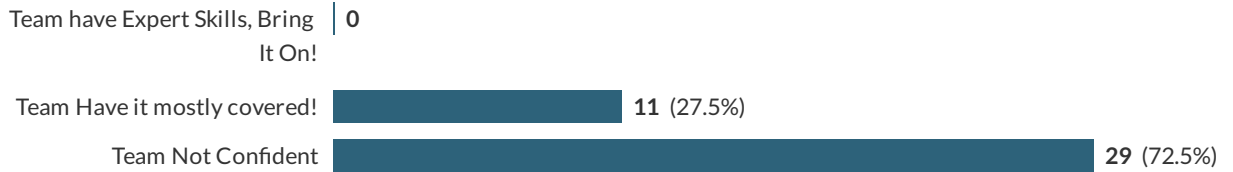
12.7 WLAN Troubleshooting – Packet Capture



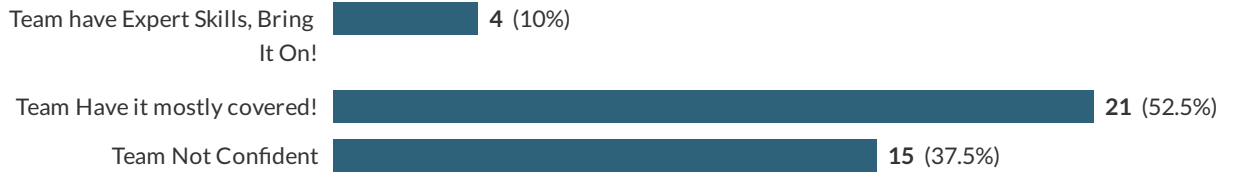
12.8 WLAN Troubleshooting - Client Devices



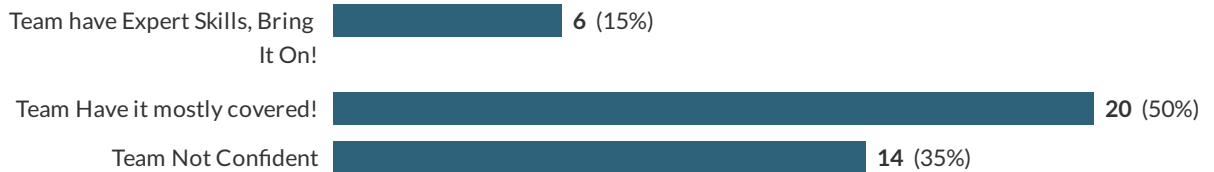
12.9 WLAN Troubleshooting - Voice over Wi-Fi



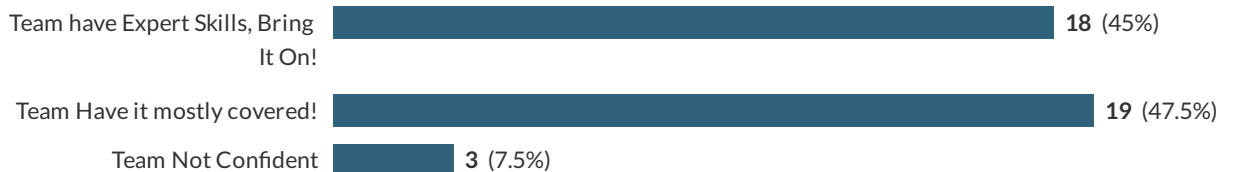
12.10 "RF", Radio Propagation & Layer 1 Wi-Fi



12.11 802.11 MAC layer operations



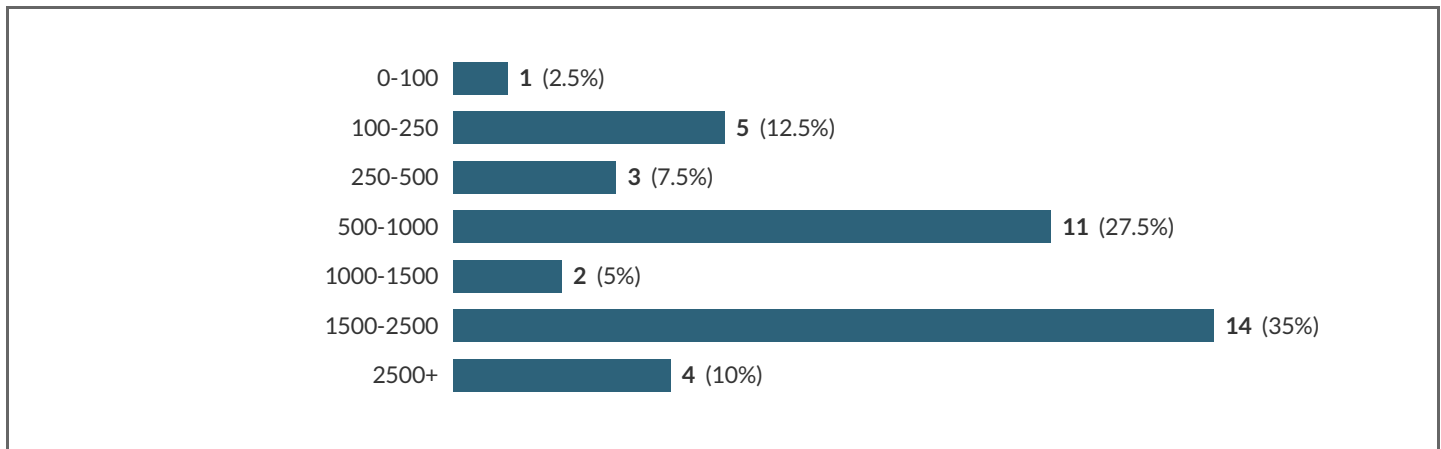
12.12 RADIUS and Authentication



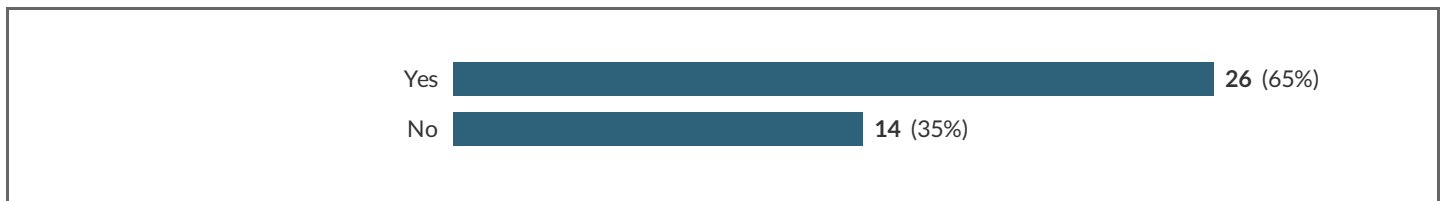
13 What other factors (if any) influence the ability of you / your team to deploy and maintain Wi-Fi services?

Showing 5 of 18 responses	
Time! Supporting the LAN.	98631-98625-5973942
Simplicity of usage of service for users comes before technical nice to haves.	98631-98625-6006433
Finance and funding	98631-98625-6006326
General access issues. Time constraints. Lack of inter-departmental co-operation (I.T. sometimes last to know about new builds / refurbishments). Stability of WLAN software (crashes, memory issues, performance).	98631-98625-6010565
The size of the wireless network in relation to the size of the team - 1000APs vs 2 staff + wired network	98631-98625-6011808

14 How many Wireless APs have you deployed?



14.a Does this include Wi-Fi in Halls of Residence?



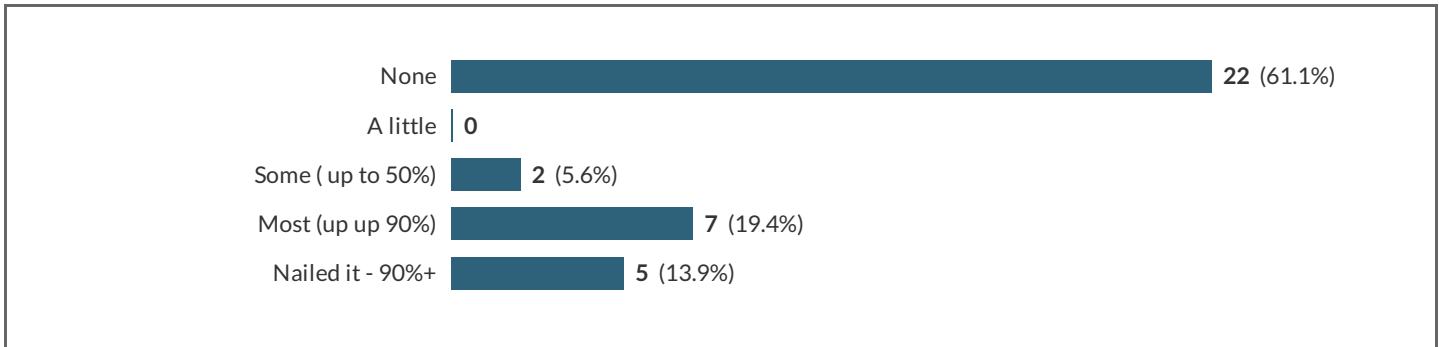
15 Do you know the average area of internal floor space covered by each AP (in square Meters) installed on your campus? (Or, if not for the whole campus, a subset thereof).

Showing 5 of 12 responses	
150.00	98631-98625-6004425
250.0	98631-98625-6006814
10.0	98631-98625-6006326
20.0	98631-98625-6026438
9.86	98631-98625-6054439

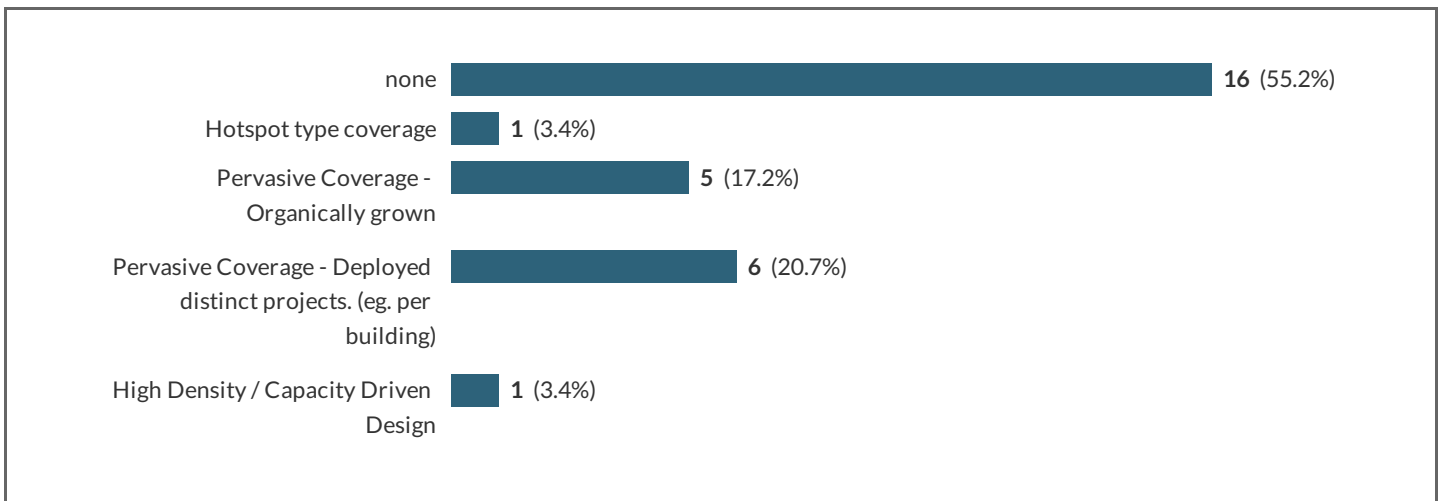
16 As a percentage, approximately how much of the Internal Area of your Campus have you covered with Wi-Fi. It would be interesting to know also, what type of coverage you have installed.

16.1 802.11b

16.1.a 802.11b - Proportion Covered

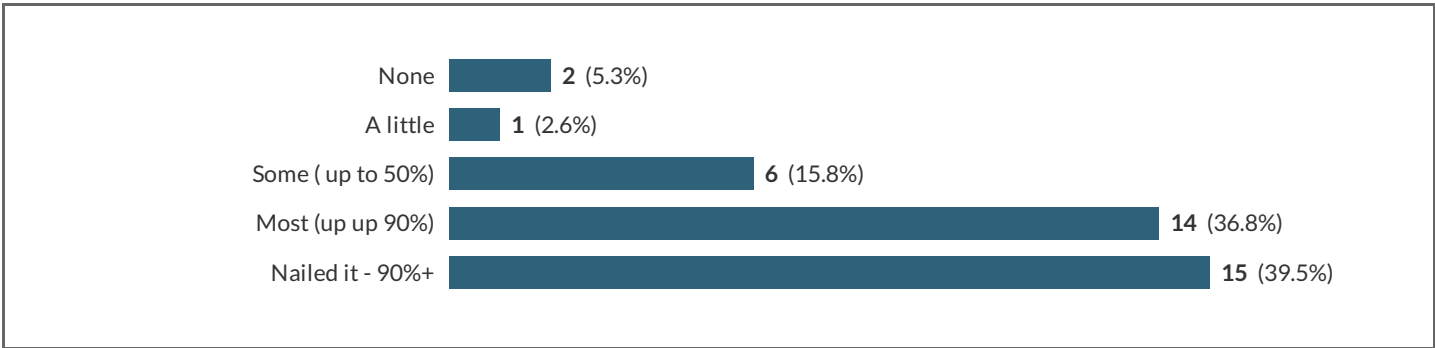


16.1.b 802.11b - What Level of Coverage have you achieved

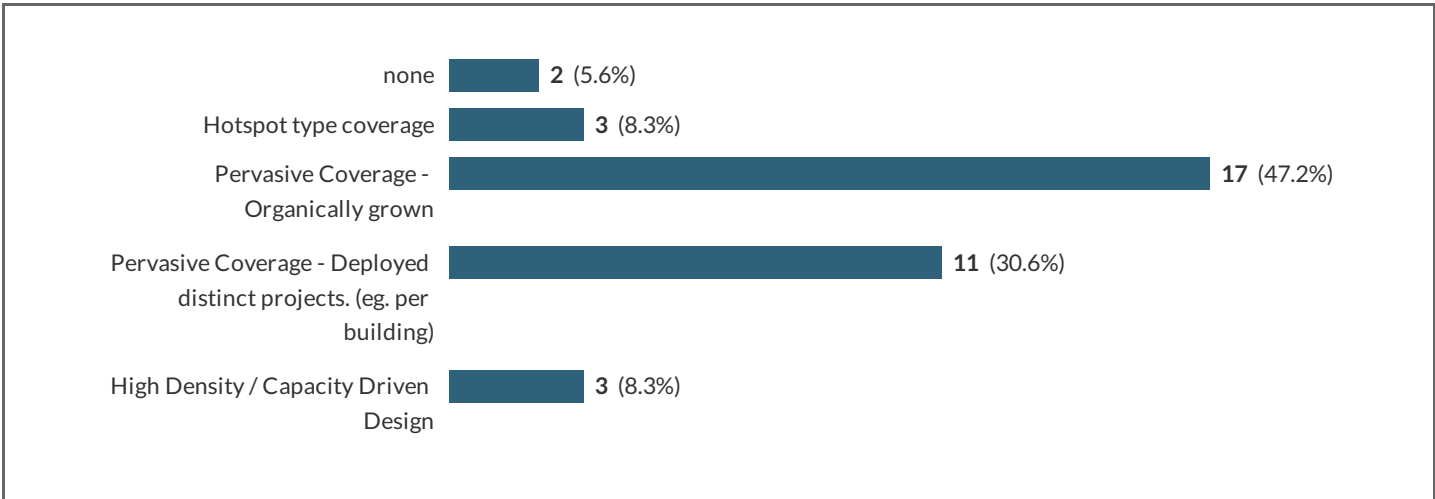


16.2 802.11a/g

16.2.a 802.11a/g - Proportion Covered

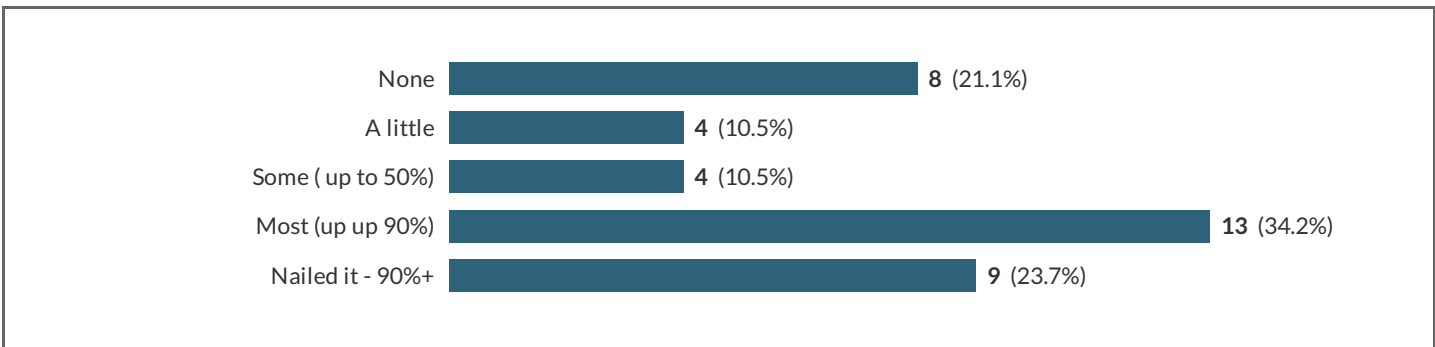


16.2.b 802.11a/g - What Level of Coverage have you achieved

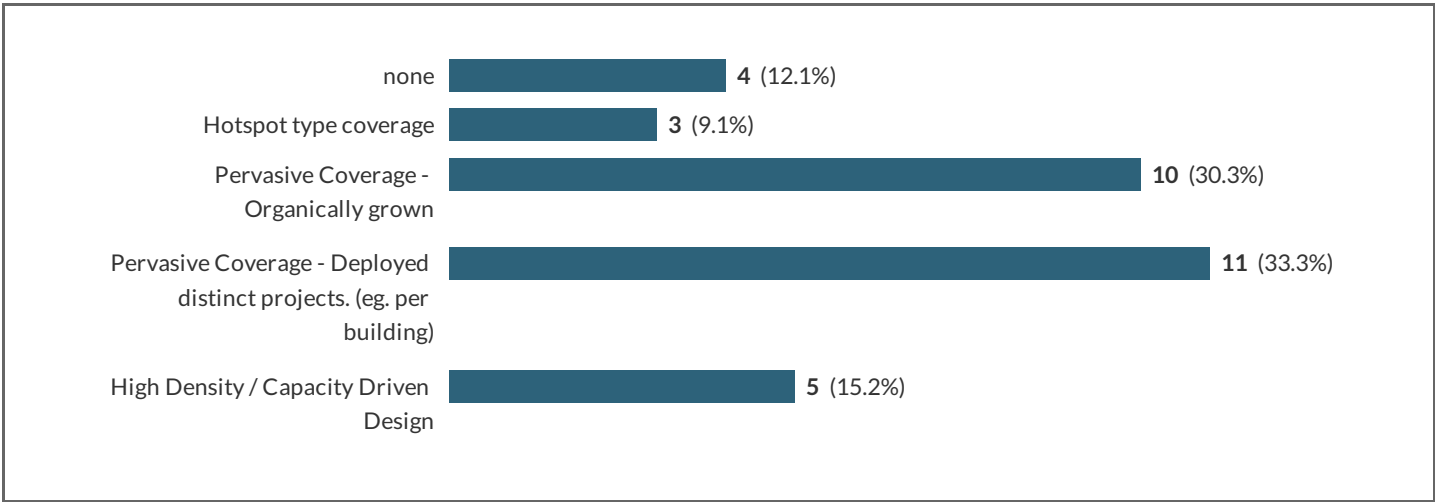


16.3 802.11n (2.4GHz Only)

16.3.a 802.11n (2.4GHz Only) - Proportion Covered

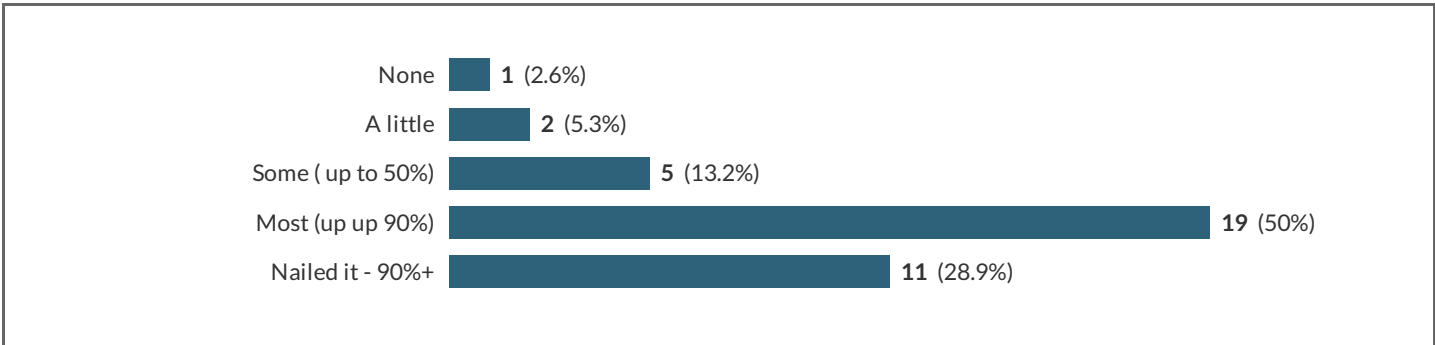


16.3.b 802.11n (2.4GHz Only) - What Level of Coverage have you achieved

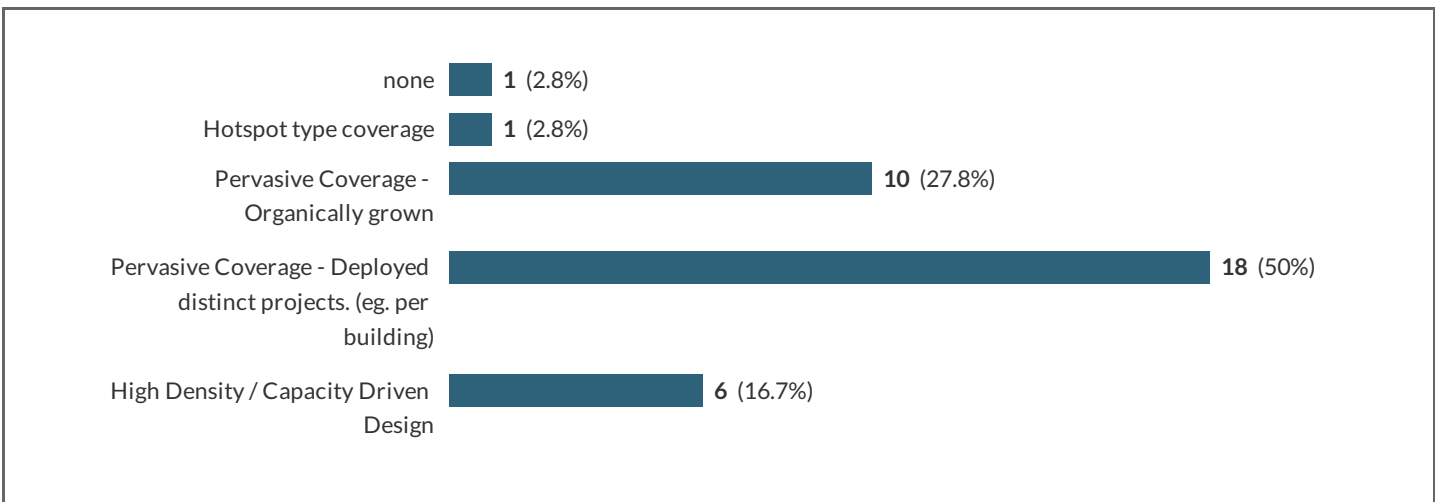


16.4 802.11n (dual band)

16.4.a 802.11n (dual band) - Proportion Covered

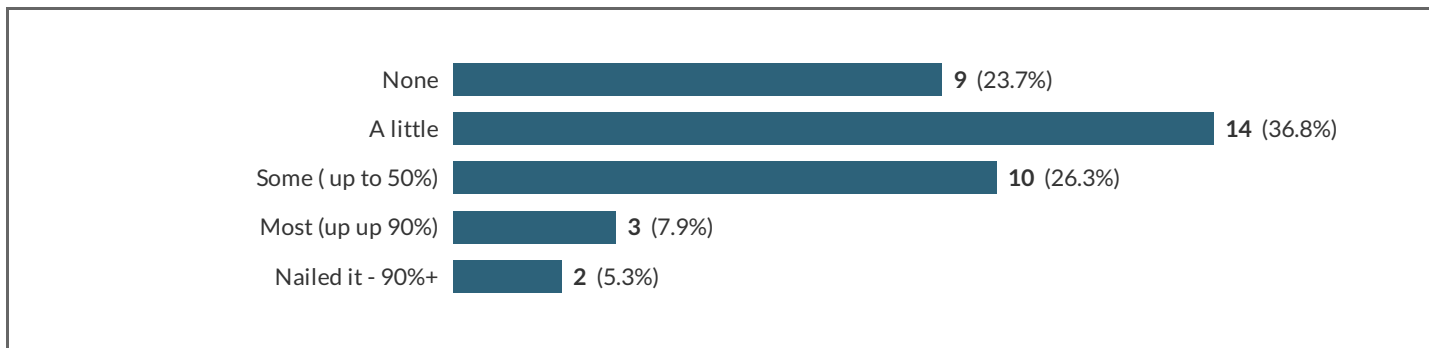


16.4.b 802.11n (dual band) - What Level of Coverage have you achieved

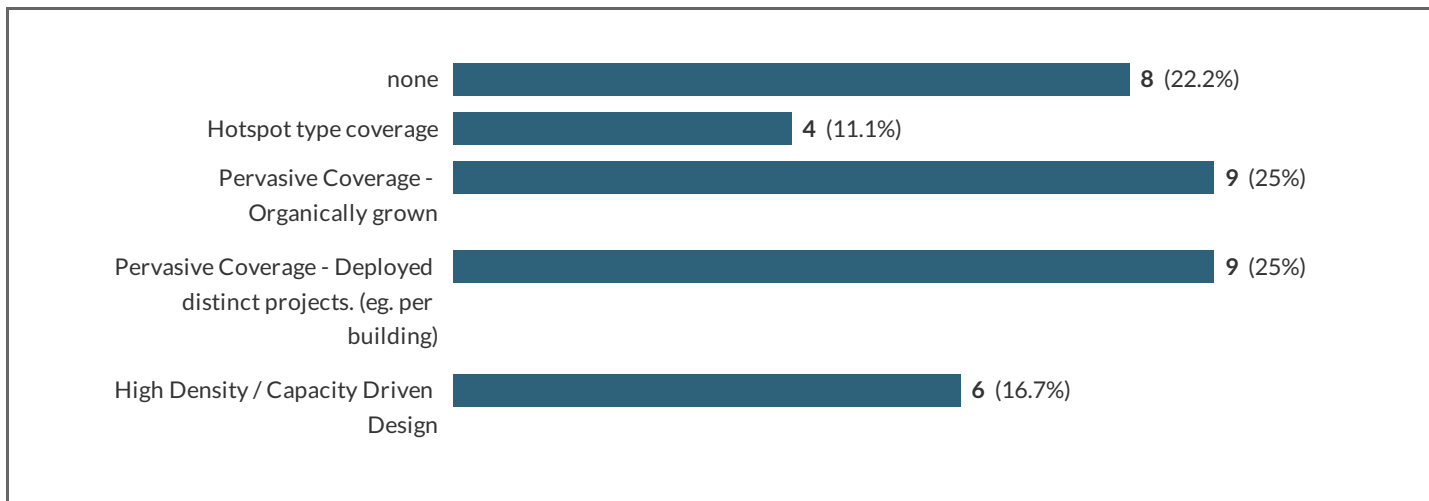


16.5 802.11ac

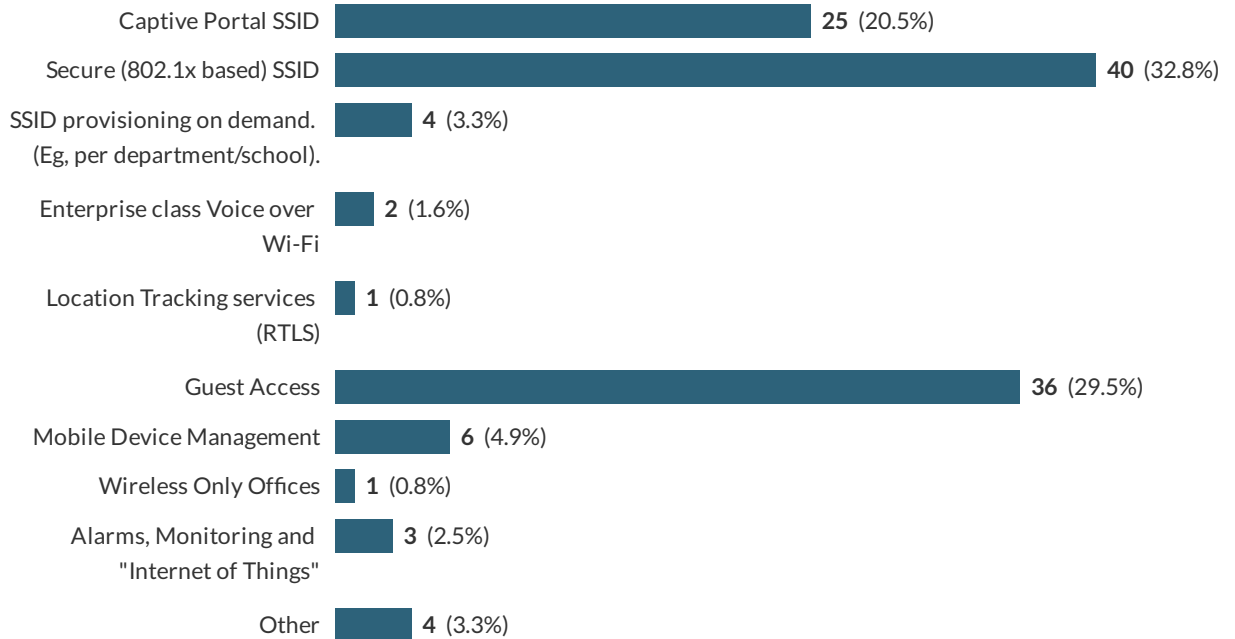
16.5.a 802.11ac - Proportion Covered



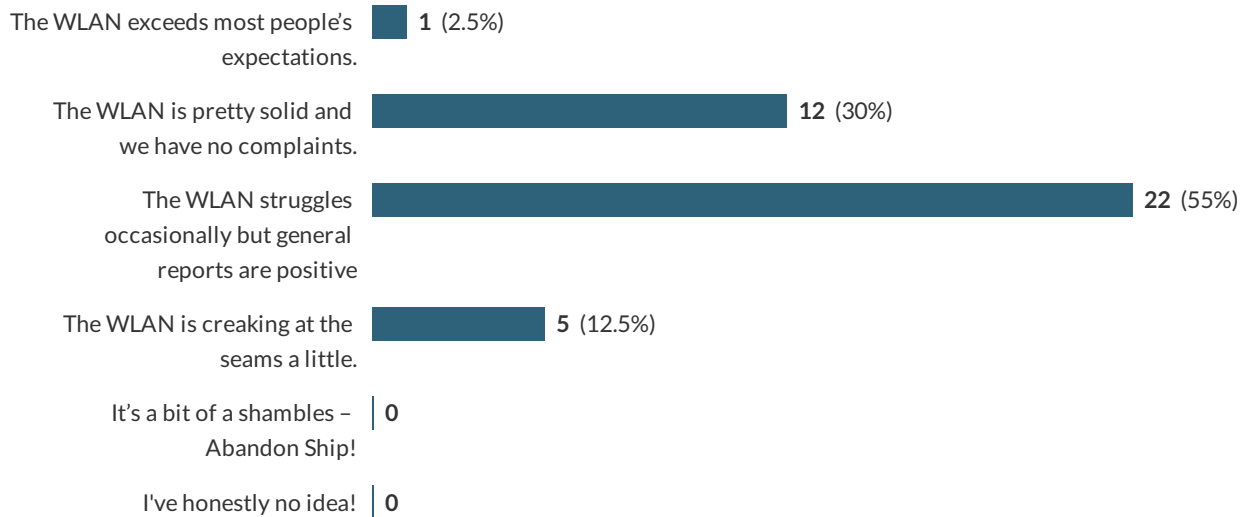
16.5.b 802.11ac - What Level of Coverage have you achieved



17 Which of the following services do you provide / support over Wi-Fi



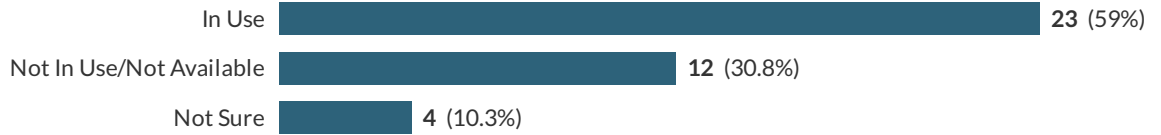
18 Is your WLAN able to meet user/management expectations for the above services?



19 Which of the following "advanced" features and tweaks do you have in place:-

19.1 Band Steering

19.1.a Band Steering - In use?



19.2 Spectrum Load Balancing

19.2.a Spectrum Load Balancing - In use?



19.3 Advanced RF Tuning (eg, manually altered receive threshold)

19.3.a Advanced RF Tuning (eg, manually altered receive threshold) - In use?



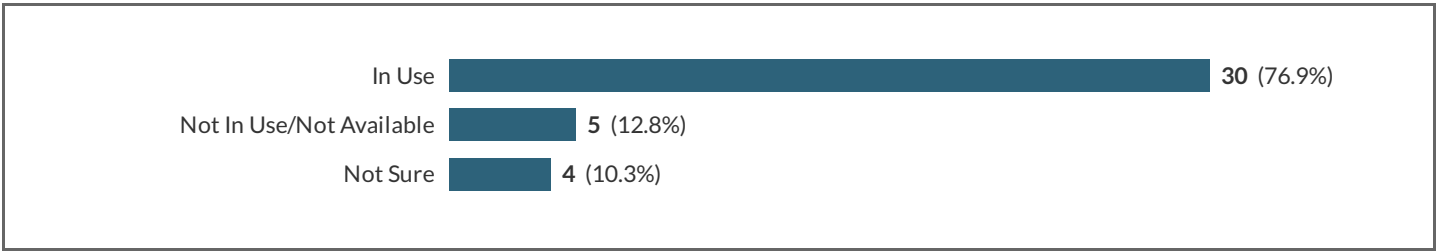
19.4 Aruba's ClientMatch

19.4.a Aruba's ClientMatch - In use?



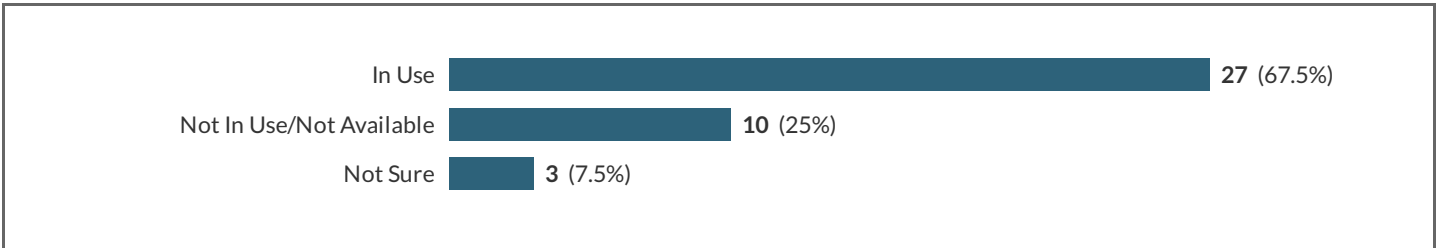
19.5 Disabled low data rates

19.5.a Disabled low data rates - In use?



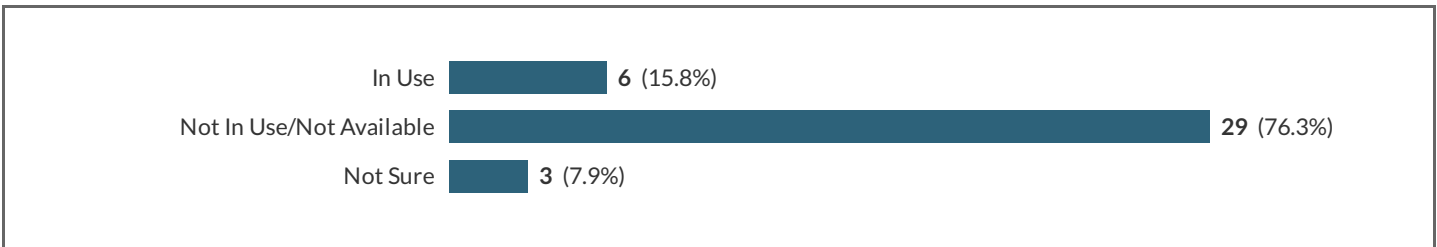
19.6 Disabled 80211b support

19.6.a Disabled 80211b support - In use?



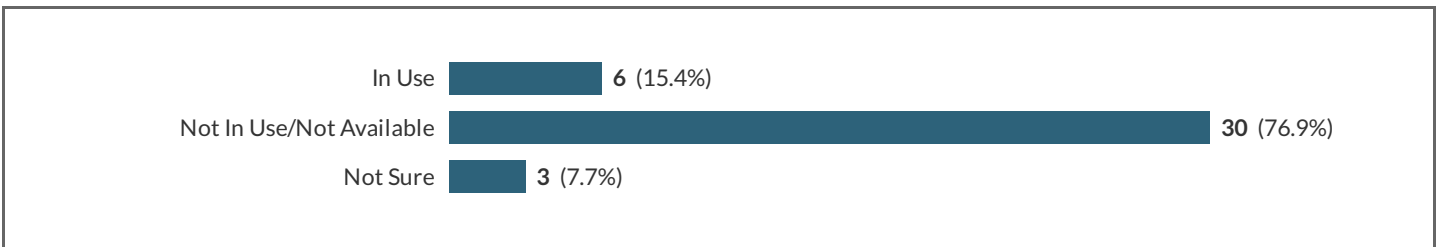
19.7 Disabled 802.11g support

19.7.a Disabled 802.11g support - In use?



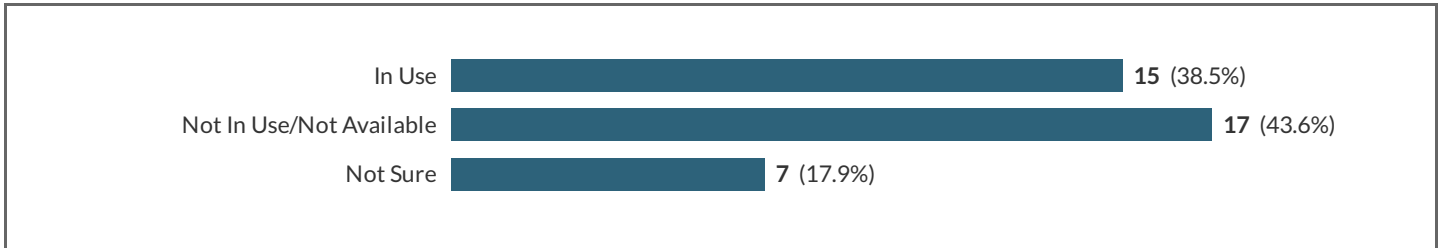
19.8 Disabled 802.11a support

19.8.a Disabled 802.11a support - In use?



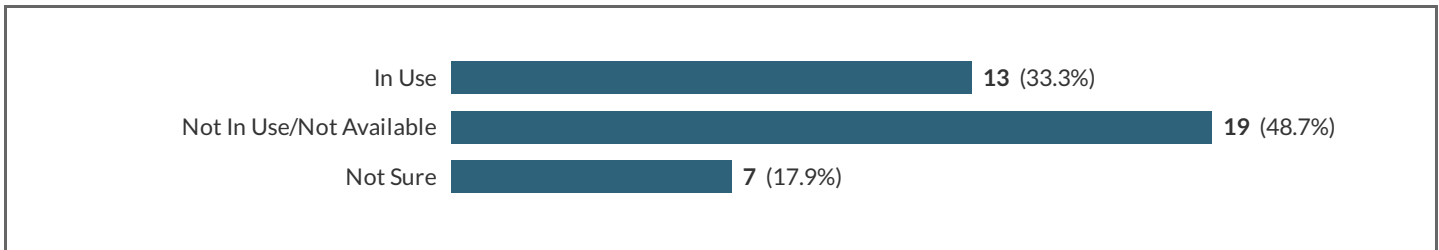
19.9 From-AP Spectrum Analysis

19.9.a From-AP Spectrum Analysis - In use?



19.10 From-AP Packet Capture

19.10.a From-AP Packet Capture - In use?



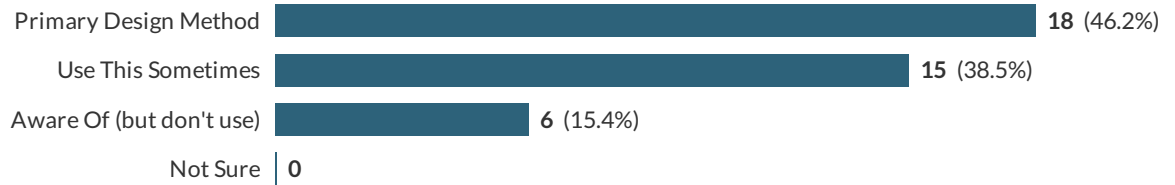
19.a Do you have any other 'Special-Sauce' in use that you'd like to share?

Showing all 4 responses	
We use Cisco's Rogue AP take down facility.	98631-98625-6006433
Guests can use VPN through the captive portal SSID without having to authenticate to the captive portal.	98631-98625-6054427
There are so many features that we've not enabled yet. Hopefully sometime soon.	98631-98625-6074737
Maybe something in the document I wrote here? Mostly around getting EAP timers and idle/session timeouts set to something sensible on Cisco.	98631-98625-6314191
https://community.jisc.ac.uk/groups/wireless-admin/document/wireless-options-cisco-wlcs	

20 Which Elements of RF network Design do you use / are you familiar with:- (Note: This question relates to how AP locations and numbers are determined)

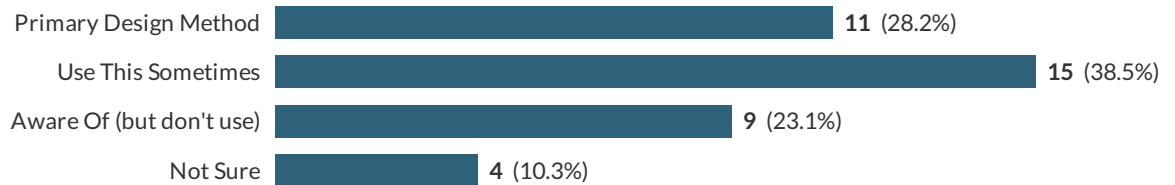
20.1 AP location estimation/"Organically Grown" WLAN

20.1.a AP location estimation/"Organically Grown" WLAN - Familiarity



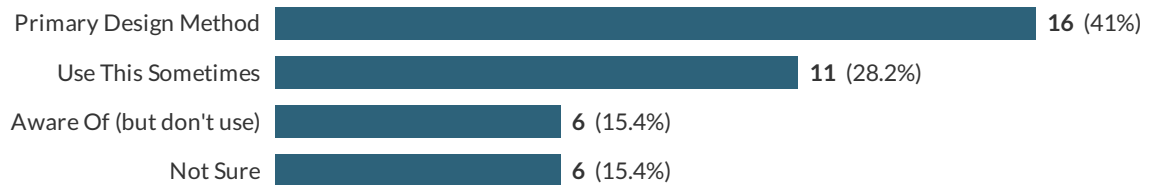
20.2 Survey to minimum Signal Strength

20.2.a Survey to minimum Signal Strength - Familiarity



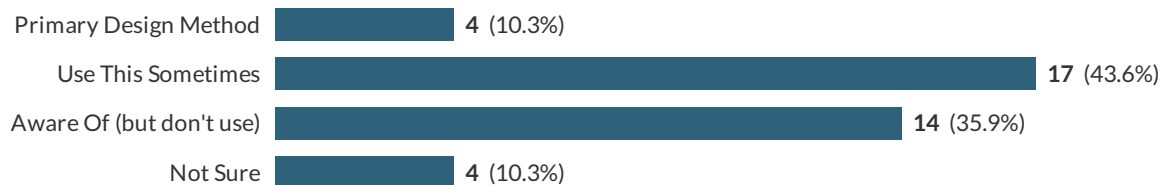
20.3 RRM/ARM auto-RF controlled Network

20.3.a RRM/ARM auto-RF controlled Network - Familiarity



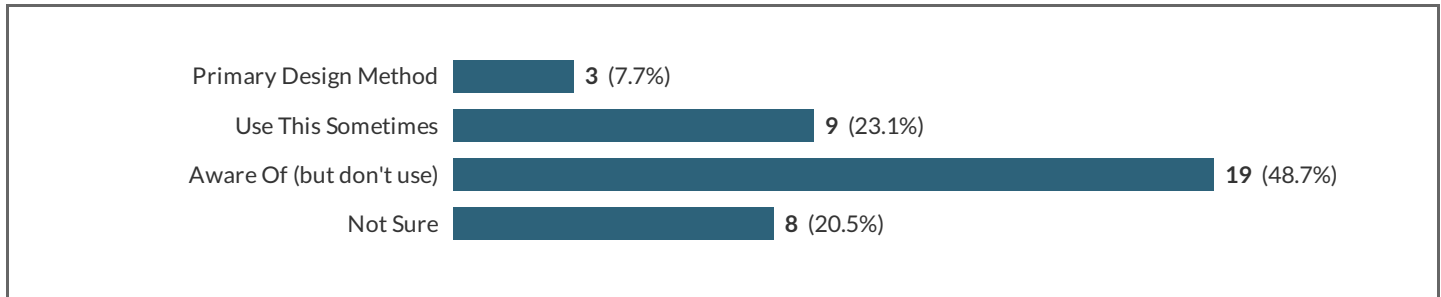
20.4 Provision "Over 100%" coverage (eg, for resilience)

20.4.a Provision "Over 100%" coverage (eg, for resilience) - Familiarity



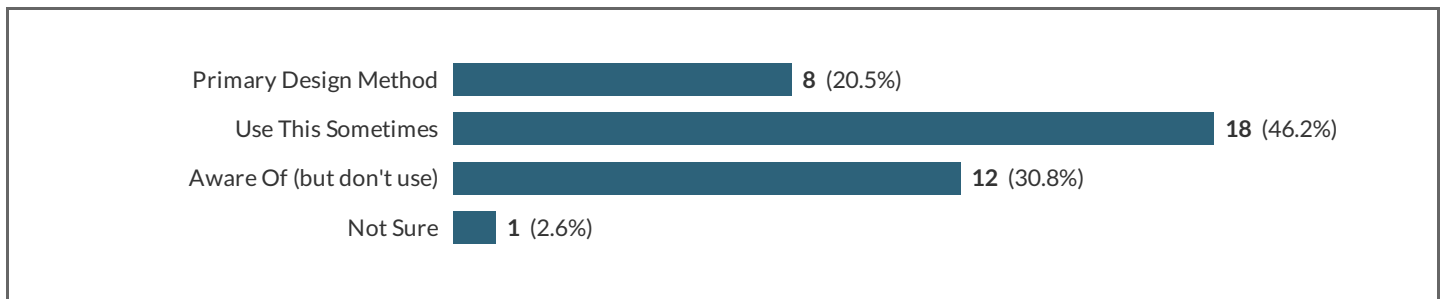
20.5 Design to fixed RF Specification

20.5.a Design to fixed RF Specification - Familiarity



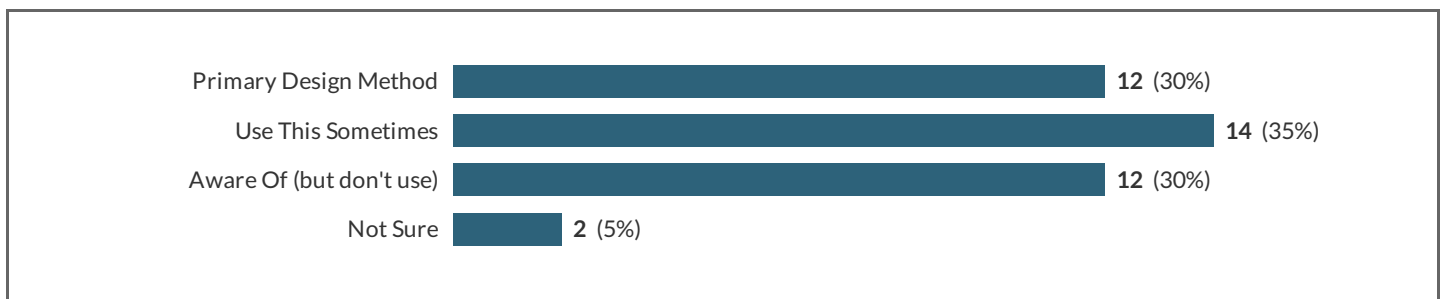
20.6 Design to capacity plan

20.6.a Design to capacity plan - Familiarity



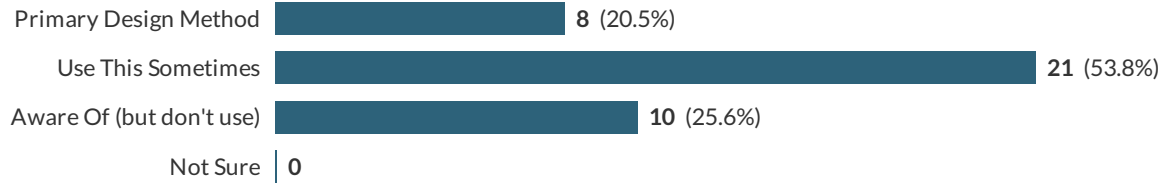
20.7 Off Plan Design (eg, Ekahau/Airmagnet)

20.7.a Off Plan Design (eg, Ekahau/Airmagnet) - Familiarity



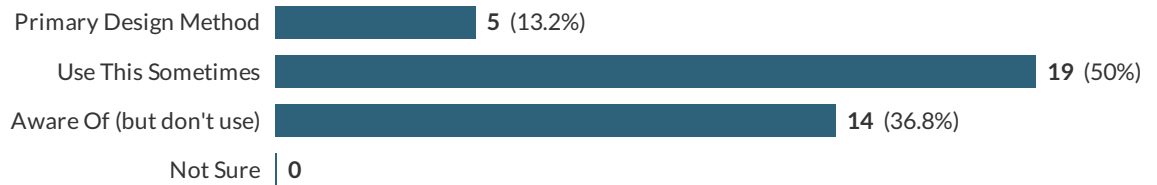
20.8 AP(s) "On a Stick" Survey

20.8.a AP(s) "On a Stick" Survey - Familiarity

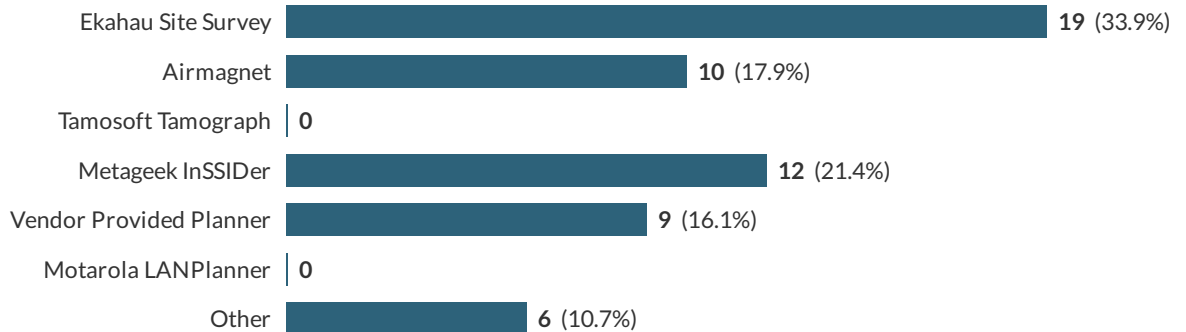


20.9 "Active" Survey (ie, connect to APs whilst surveying)

20.9.a "Active" Survey (ie, connect to APs whilst surveying) - Familiarity



21 Which WLAN design tools do you use?



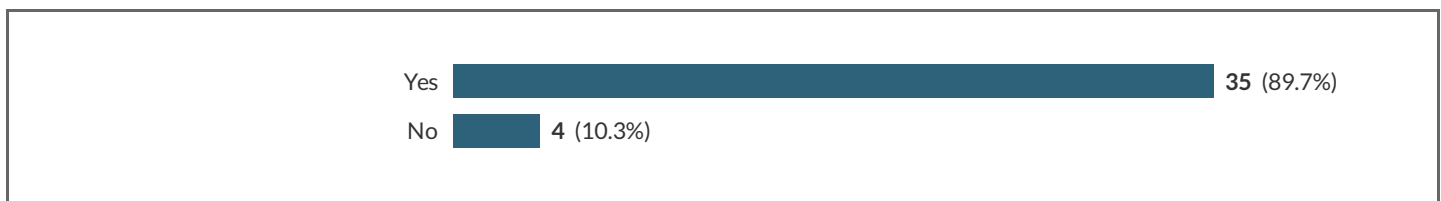
21.a If you selected Other, please specify:

Showing 5 of 6 responses	
we don't use any, vendors do design. I have asked about us getting Airmagnet Survey but in reality we wouldn't have the time to design ourselves as things stand.	98631-98625-5973942
NetSpot	98631-98625-6049832
Chanalyser Pro	98631-98625-6054695
Plan using Airwave's Visual RF	98631-98625-6074737
Airwave Visual RF	98631-98625-6103742

22 Are there any elements of WLAN design which you and your team find particularly challenging?

Showing 5 of 23 responses	
vendors previous designs have been obviously poor even to an untrained eye.	98631-98625-5973942
Knowing that your survey method is actually effective. The survey method is constantly evolving based on information within the public domain about survey methods and best practice. This information is scarce.	98631-98625-6010565
Co-ordinating timing of wireless surveys with Estates for new builds and major-refurbs; multiple surveys may be required dependent on what "stuff" is installed in the building after an initial survey.	98631-98625-6028879
Planning wlan for buildings which aren't build/finished yet	98631-98625-6026438
For new buildings, getting accurate information from the construction project e.g. plans and materials. Also getting the builders to run the AP cabling to the correct locations.	98631-98625-6035316

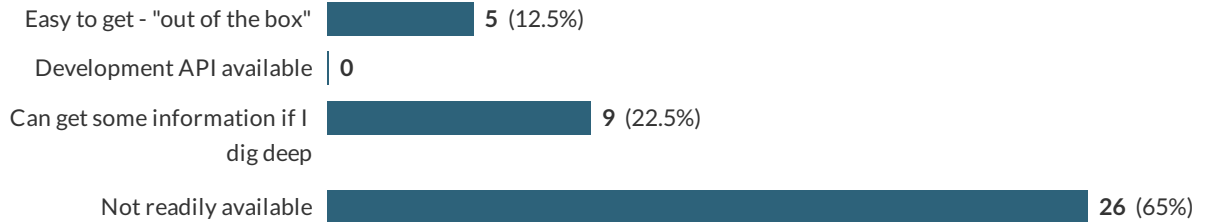
23 Do you have any tools to monitor the performance of your WLAN?



24 Is your NMS able to help you answer the following questions/report on the following information

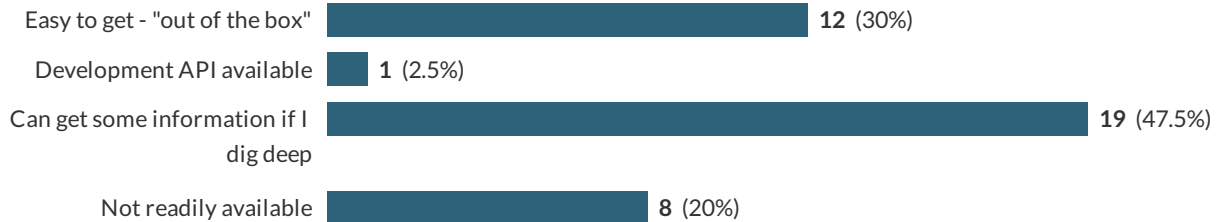
24.1 Information to tell you an area needs 802.11ac

24.1.a Information to tell you an area needs 802.11ac - How Available does the NMS make this data



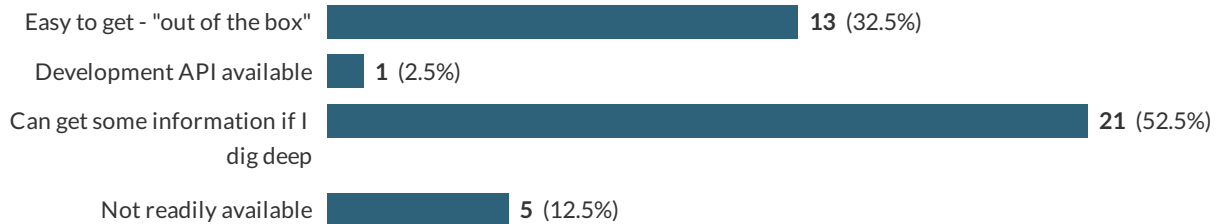
24.2 Information to tell you an area has run out of capacity

24.2.a Information to tell you an area has run out of capacity - How Available does the NMS make this data



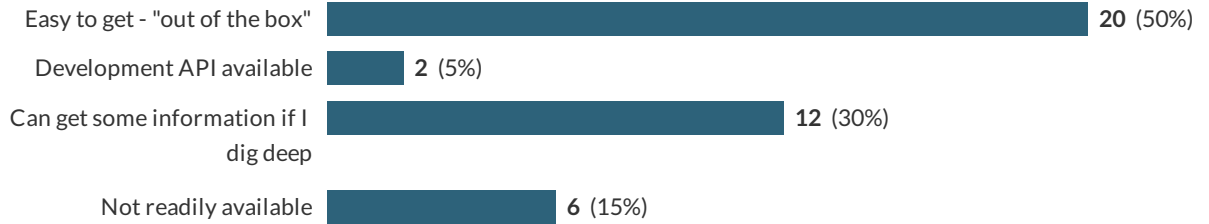
24.3 Information to tell you there is an RF problem in an area (EG, Hidden Node/Excessive Retransmissions)

24.3.a Information to tell you there is an RF problem in an area (EG, Hidden Node/Excessive Retransmissions) - How Available does the NMS make this data



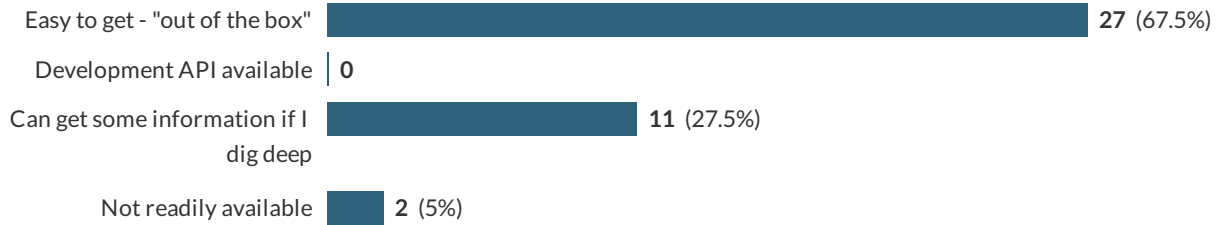
24.4 Areas of excessive RF Interference (CCI or Noise)

24.4.a Areas of excessive RF Interference (CCI or Noise) - How Available does the NMS make this data



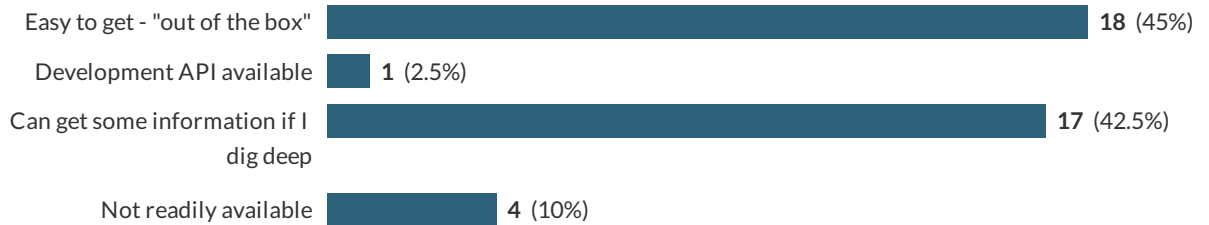
24.5 The ability to track client's association history

24.5.a The ability to track client's association history - How Available does the NMS make this data



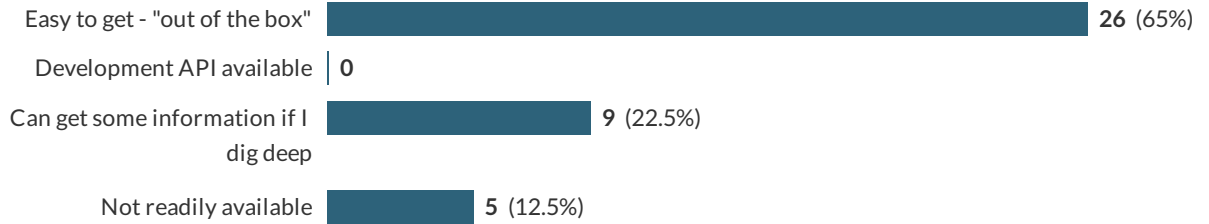
24.6 The ability to track client connectivity problems

24.6.a The ability to track client connectivity problems - How Available does the NMS make this data



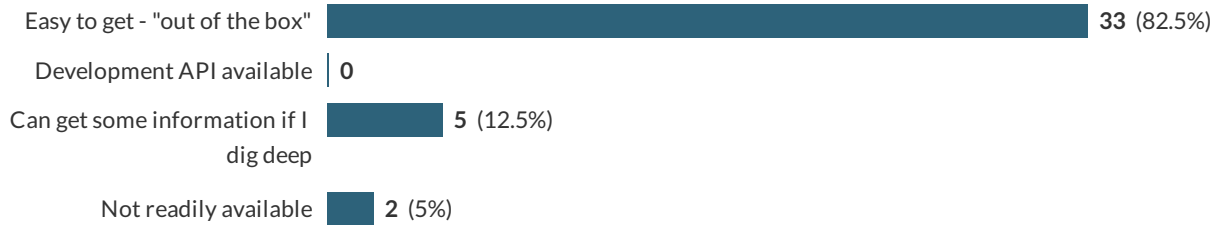
24.7 Reliable throughput stats

24.7.a Reliable throughput stats - How Available does the NMS make this data



24.8 AP/Controller health information. (EG, wired capacity, memory, CPU, etc)

24.8.a AP/Controller health information. (EG, wired capacity, memory, CPU, etc) - How Available does the NMS make this data



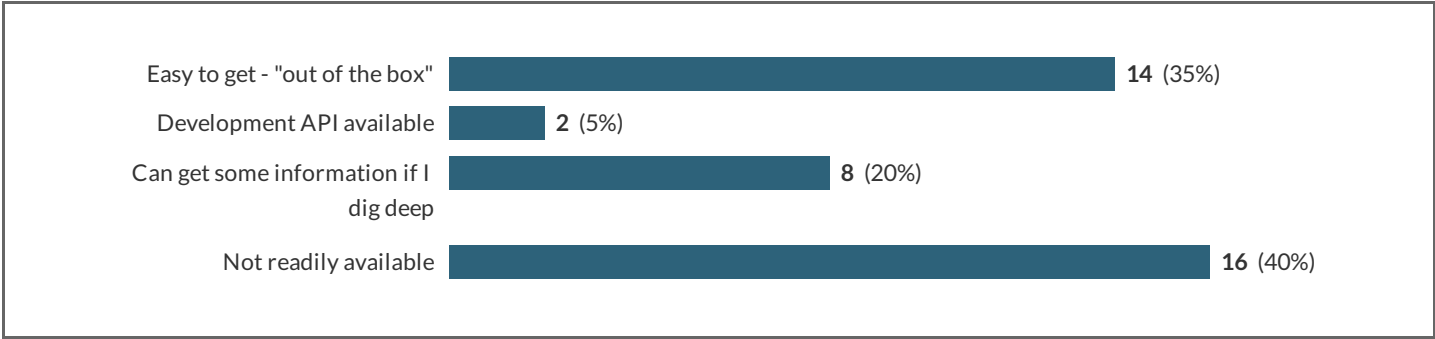
24.9 Management of rogues and security threats

24.9.a Management of rogues and security threats - How Available does the NMS make this data



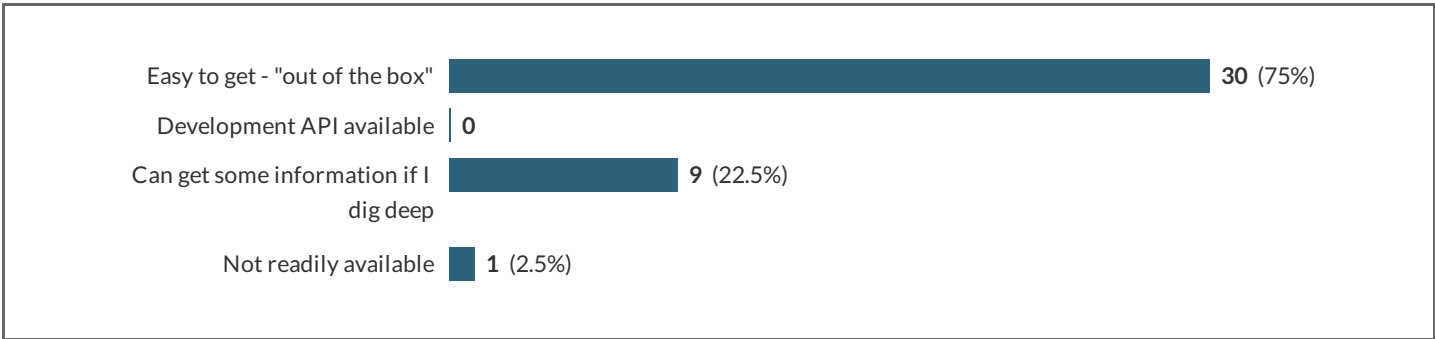
24.10 Application level data usage (ie, Layer 4-7)

24.10.a Application level data usage (ie, Layer 4-7) - How Available does the NMS make this data



24.11 Breakdown of clients, eg Types, connection mode, etc.

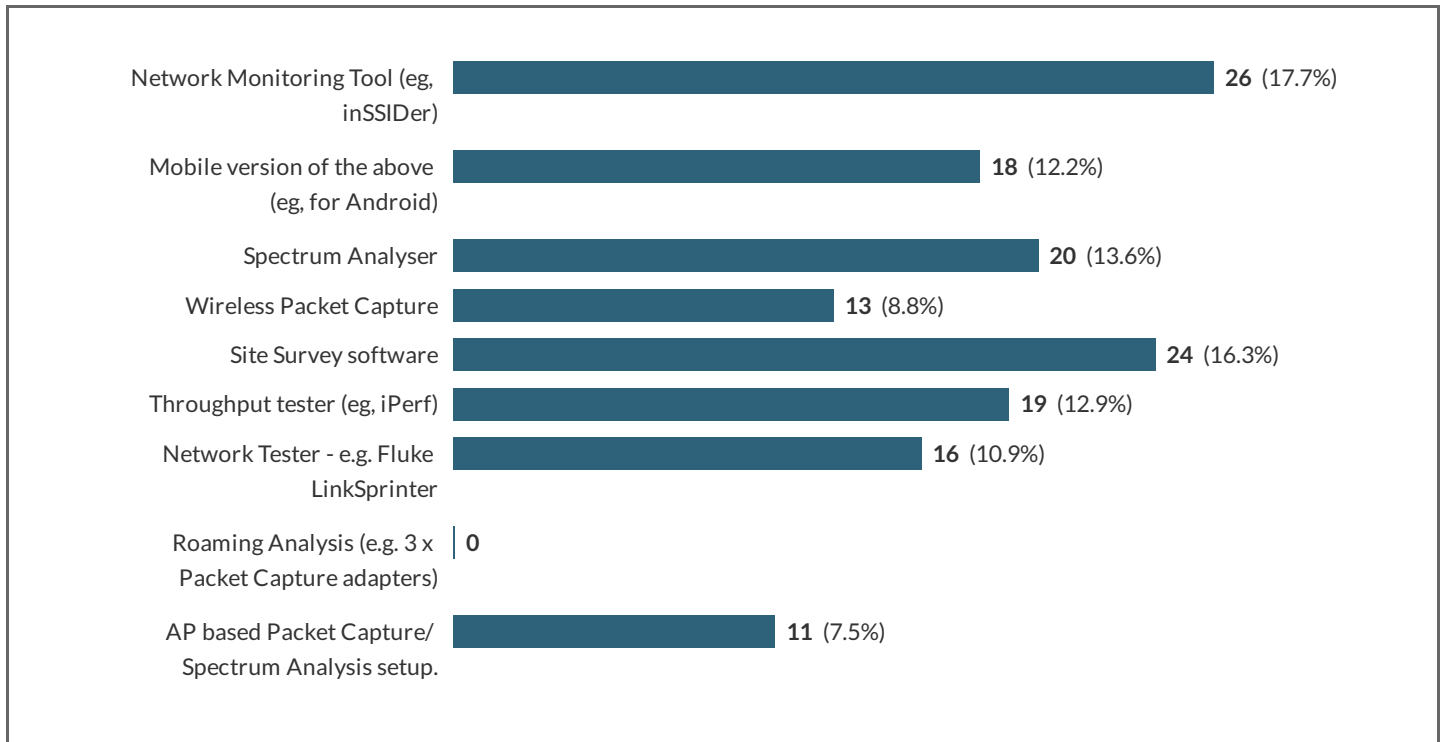
24.11.a Breakdown of clients, eg Types, connection mode, etc. - How Available does the NMS make this data



24.a Do you have any more thoughts on WLAN NMS capacity you'd like to share?

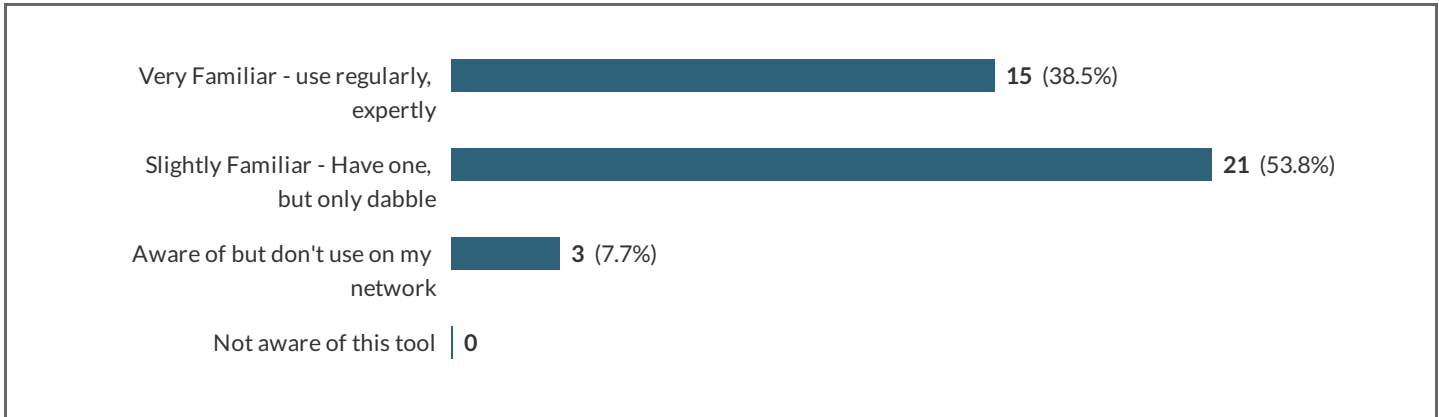
Showing all 5 responses	
<p>We use a cloud managed Meraki solution, this is somewhat a double edged sword.</p> <p>On the downside it is not as configurable as other enterprise class solutions to enable fine grained optimization of the solution.</p> <p>On the plus side the management interface does expose detailed and useful information such as client application usage, client information such as OS and device capability, and location analytic's regarding client AP associations.</p> <p>It does also allow a high visibility of rogues and neighbor interference levels across AP's and assists in the identification of interference sources with integrated spectrum analysis.</p> <p>I imagine this to be highly useful in the specification and design process of the WLAN.</p>	98631-98625-6049832
<p>Airwave: it's designed around what they think you want to see. I want to see more e.g. historical data/graphs of anything I can filter on. If there's any sort of API then I've not found it.</p>	98631-98625-6054427
<p>We use Aruba's Airwave which I think gives us most of the information mentioned above (but I'm not an expert so not entirely sure)</p>	98631-98625-6074737
<p>Running a mixture of two wireless systems, one with an NMS, and one without. The answers relate to the newer system with NMS</p>	98631-98625-6151266
<p>Based around in-house software, so we have most of the above information easy to get to, but what is on our interface is just what we have built for our needs.</p>	98631-98625-6314191

25 Which other Wi-Fi tools do you have in your toolkit for analysis and troubleshooting

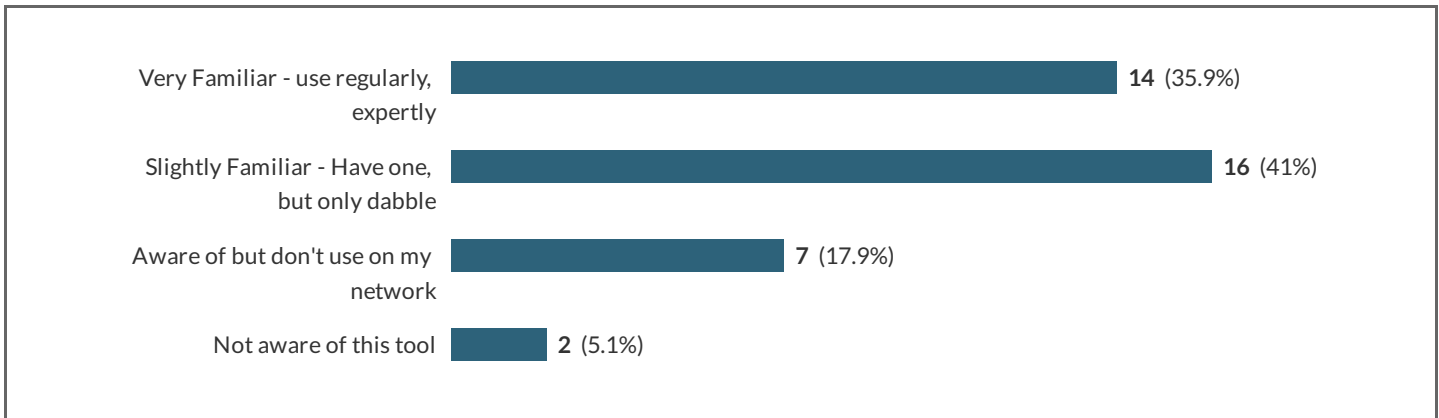


26 How familiar are you with the following Wi-Fi troubleshooting tools

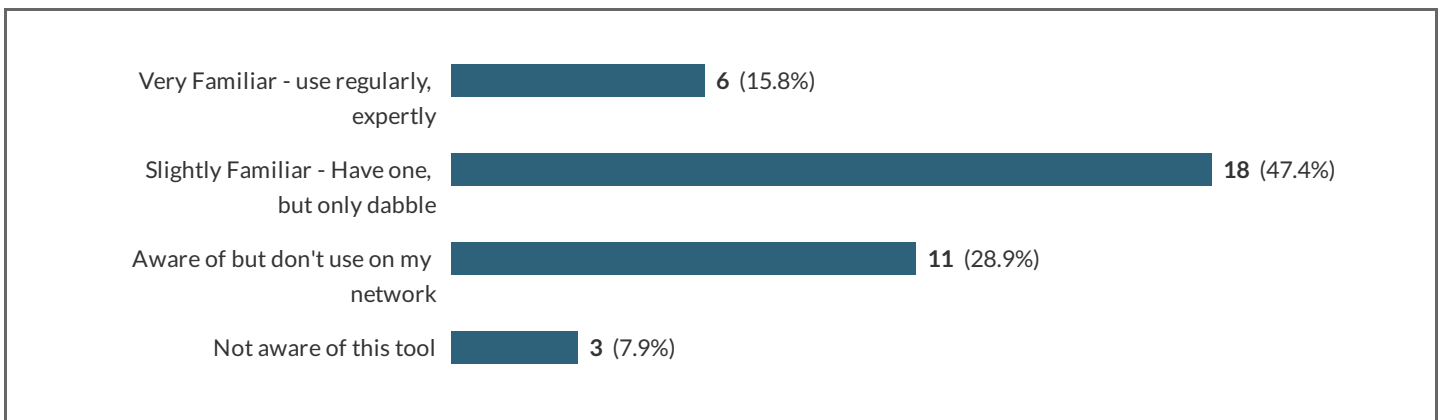
26.1 Wi-Fi Scanner software (PC/Mac) (eg, inSSIDer, Netstumbler)



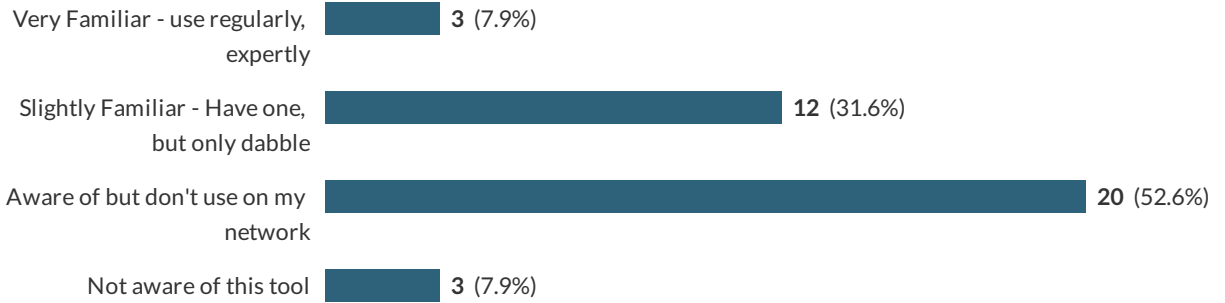
26.2 Tablet/Smartphone Wi-Fi Scanner tool



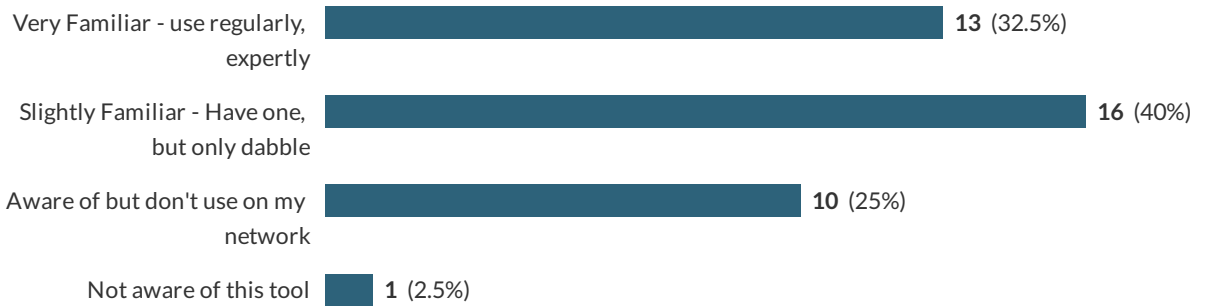
26.3 Spectrum Analyser (eg, Metageek DBx)



26.4 Wireless Packet capture adapter/software (eg Omnipcap, AirPcap)



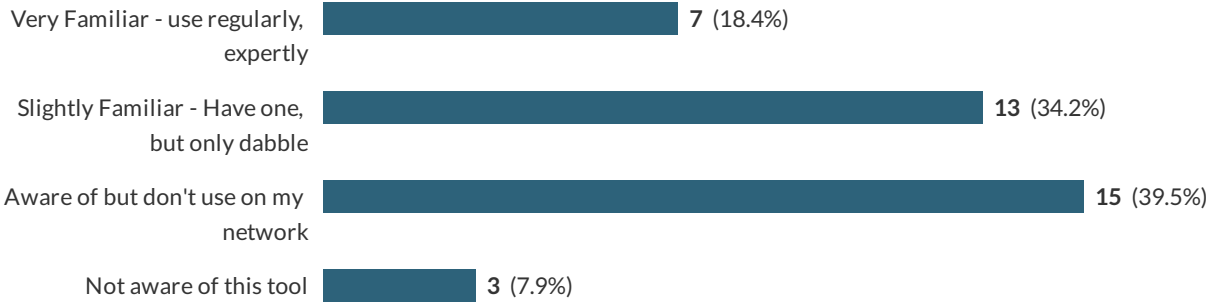
26.5 Site Survey Software (eg Ekahau, Airmagnet)



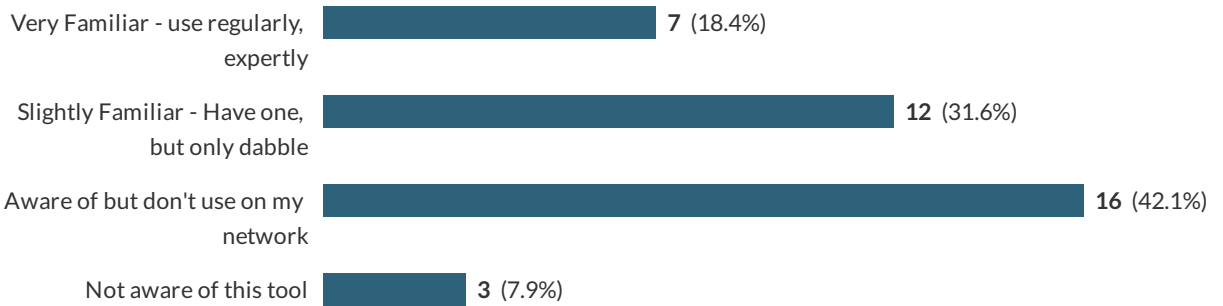
26.6 Roaming Analysis Setup (Eg, 3 x Omnippeek capture adapters)



26.7 AP based packet capture



26.8 AP base spectrum analysis



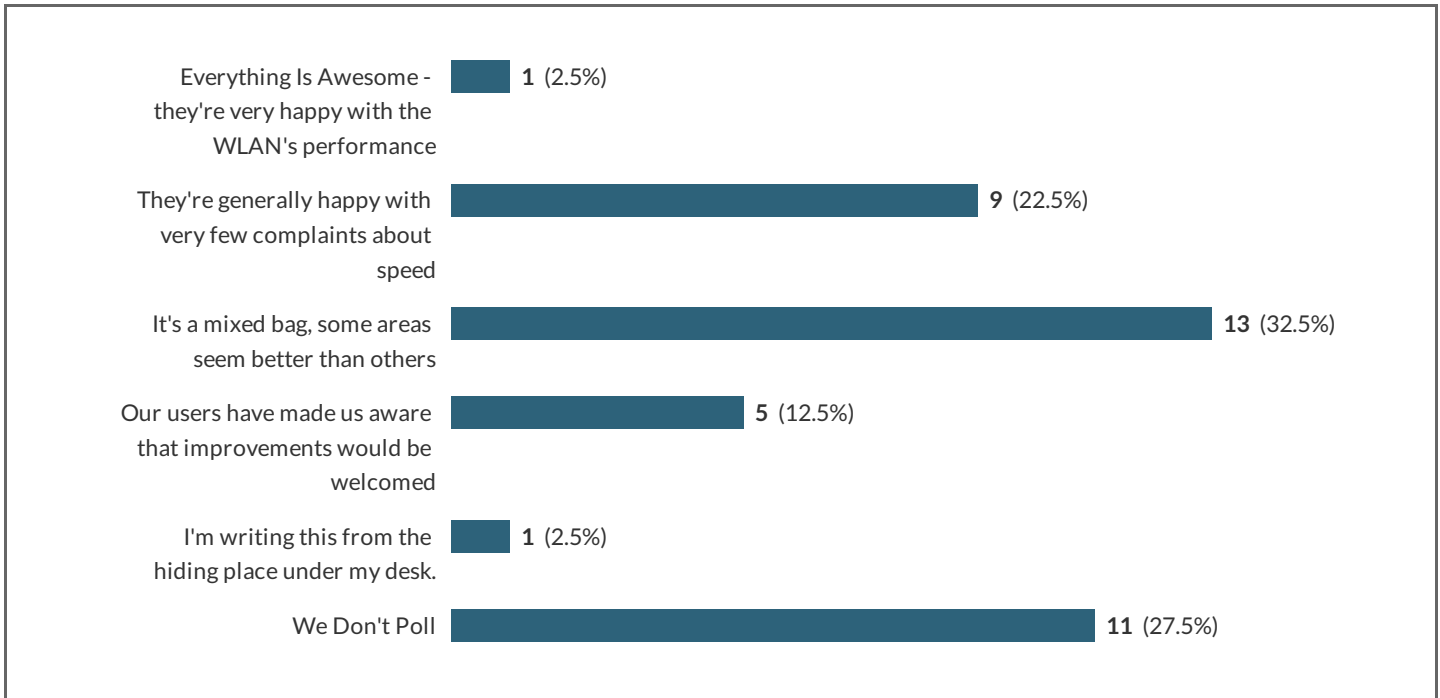
27 What do you see as the greatest challenges for monitoring and troubleshooting a Wireless LAN?

Showing 5 of 18 responses	
Understanding RF properly	98631-98625-5973942
Correlating multiple sources of information and eliminating the irrelevant	98631-98625-6002806
Time...	98631-98625-6004425
The intermittent nature of some of the problems and being able to find the sufficient time necessary to analyse a client device which will usually be someones personal device and not an institution managed device with a known configuration.	98631-98625-6010565
Finding the time to learn how to use the tools effectively.	98631-98625-6035316

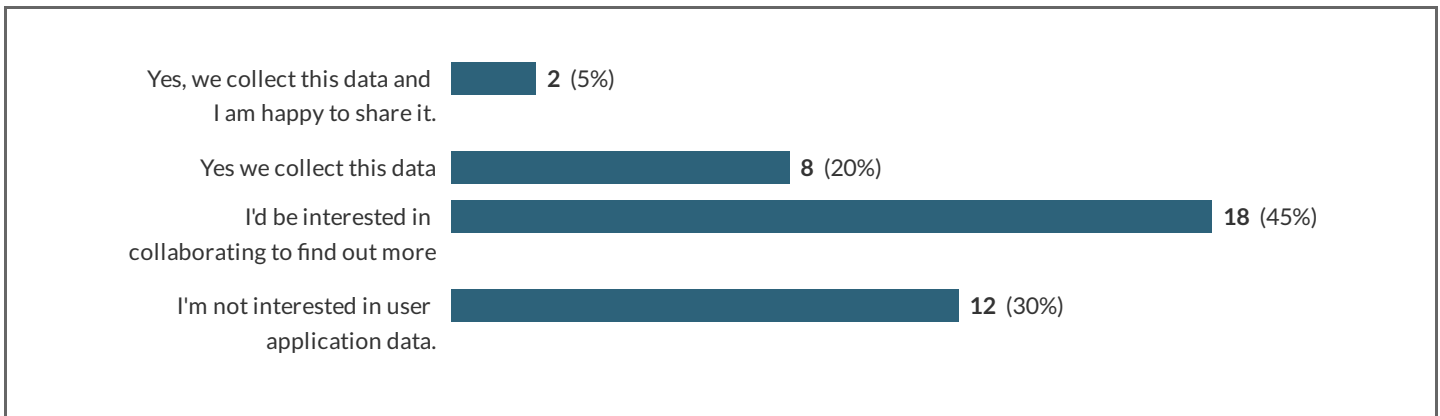
28 Are you able to share how many users access your WLAN? (Peak, Concurrently)

Showing 5 of 40 responses	
6000	98631-98625-5973942
5000	98631-98625-6002806
13000	98631-98625-6004425
700	98631-98625-6006433
27000	98631-98625-6006814

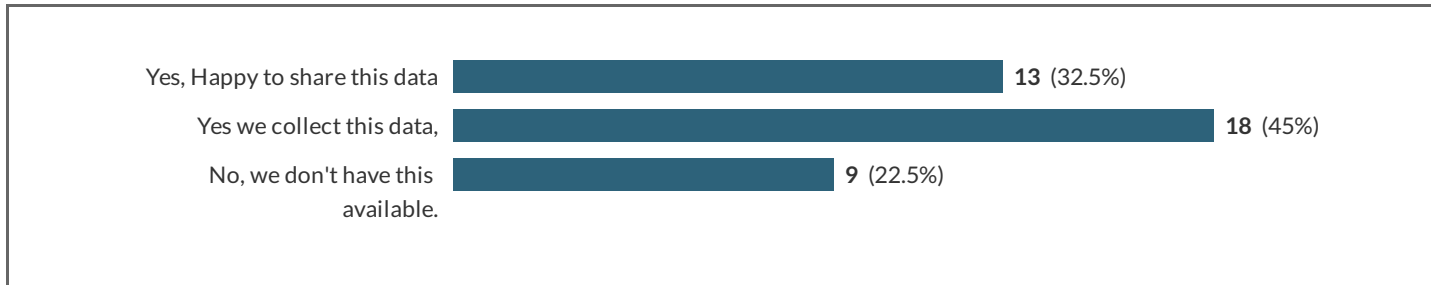
29 Do you poll user satisfaction. If so, how would you rate it?



30 Do you collect statistics regarding the types of applications which different users need. And if so, would you be willing to share?



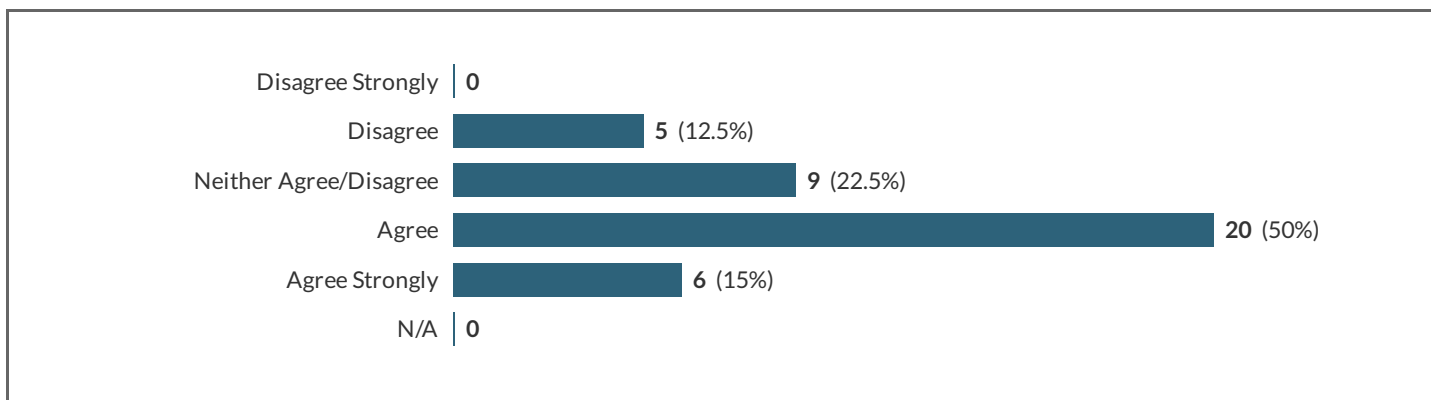
31 Do you collect statistics showing the types of devices in use on your network, and if so would you be interested in sharing?



32 How much do you agree with the following statements regarding procuring professional services for a wireless LAN . Again, the main focus here is on the RF elements, site survey and AP placement.

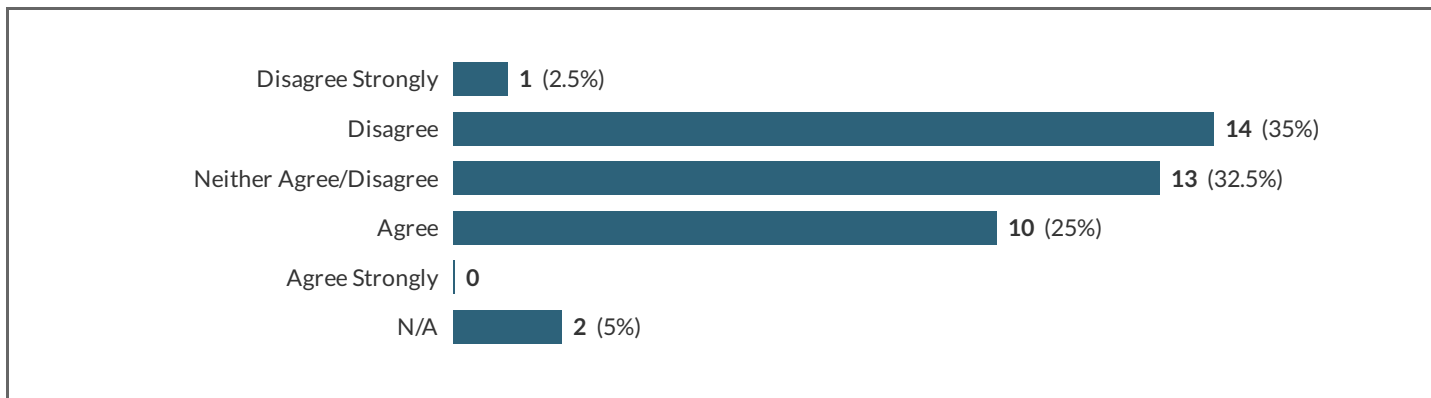
32.1 We can easily handle this in house

32.1.a We can easily handle this in house - How much do you agree with the statement



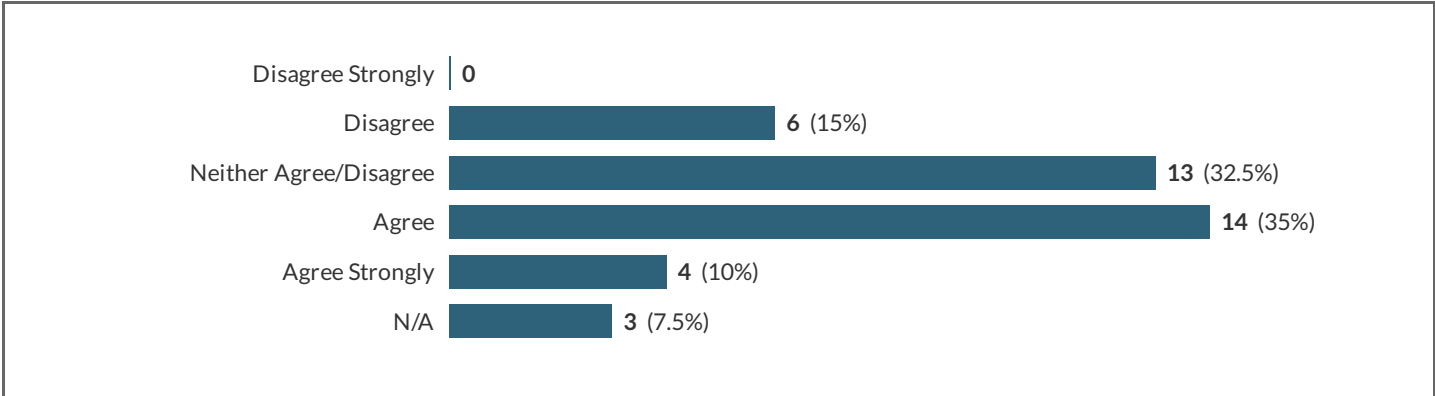
32.2 Procuring WLAN services is easy

32.2.a Procuring WLAN services is easy - How much do you agree with the statement



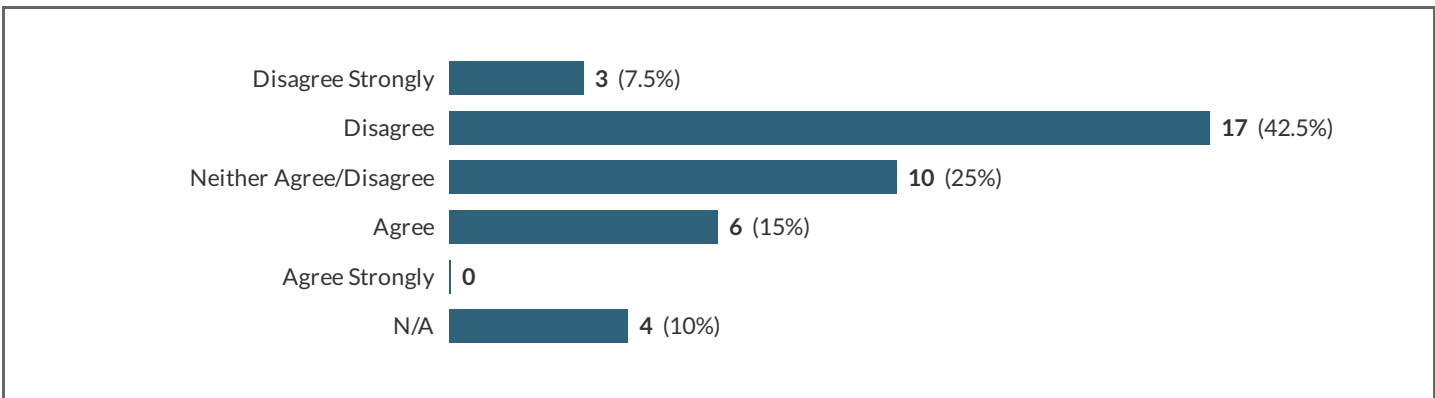
32.3 There are existing frameworks to purchase from

32.3.a There are existing frameworks to purchase from - How much do you agree with the statement



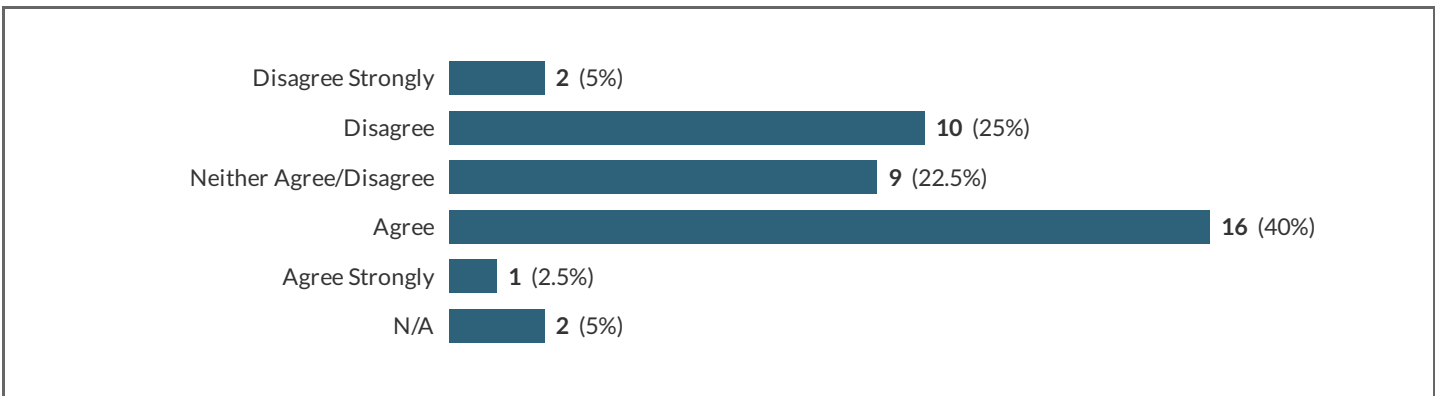
32.4 We can trust our incumbent support partner to handle WLAN design

32.4.a We can trust our incumbent support partner to handle WLAN design - How much do you agree with the statement



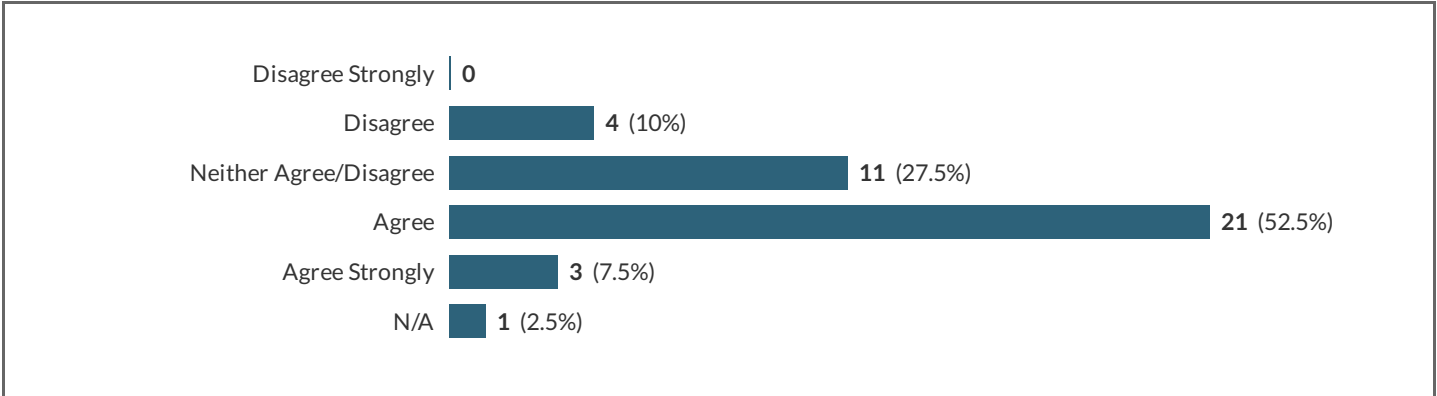
32.5 I know just what to ask for when Specifying a WLAN

32.5.a I know just what to ask for when Specifying a WLAN - How much do you agree with the statement



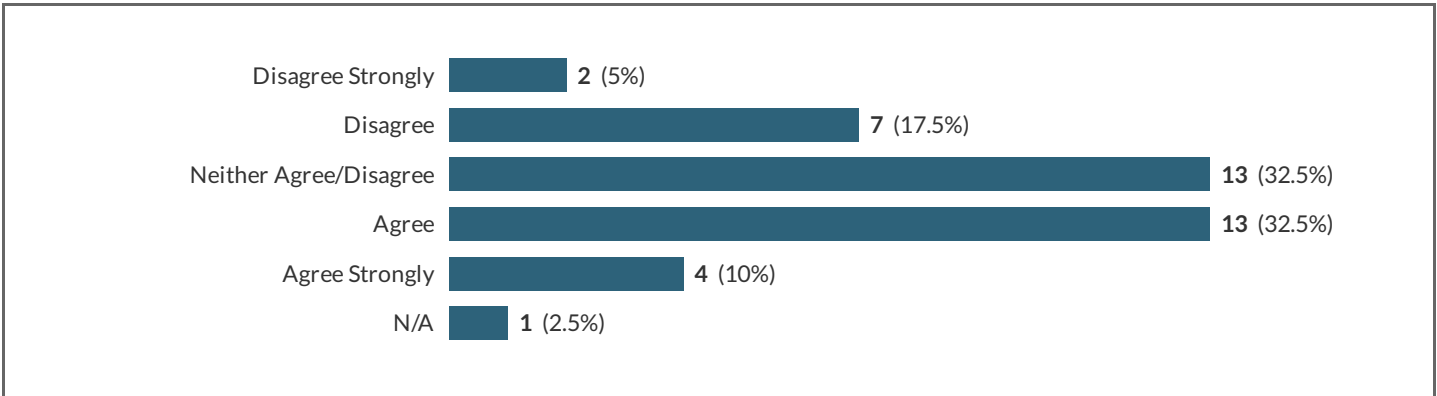
32.6 I am confident in evaluating technical responses

32.6.a I am confident in evaluating technical responses - How much do you agree with the statement



32.7 We always test the WLAN meets the specification

32.7.a We always test the WLAN meets the specification - How much do you agree with the statement



33 Please share any other thoughts you have around the challenges of procuring wireless design and survey services.

Showing 5 of 10 responses	
I'm relatively new to the university, but it's clear that a lot of faith has been placed in a vendor who has delivered a bit of an 'out the box' solution. In many places a template was used from floor to floor, giving symmetrical AP placement. There are a LOT of L1 issues to fix.	98631-98625-5973942
Most installation is in new buildings, and is specified before construction starts. Our Estates department has little enthusiasm for bringing in outside wireless design specialists.	98631-98625-6002806
In classroom environments it's very difficult to cater for large classes using a lot of bandwidth. To do so would mean such overprovision and cost as to be unreasonable. We therefore have occasional problems with such events.	98631-98625-6006433
Expensive, unreliable and it takes as much work briefing them and correcting the results as it would doing it ourselves.	98631-98625-6054427
Pricing/quote challenges - how do you specify the size of the job? e.g. number of APs, sq. m of building, number of buildings, number of floors, density requirements, etc.	98631-98625-6056058

34 Do you think the addition of a vendor independent standards / certification body could help to improve the ease of procuring and supporting Wi-Fi networks?

Showing 5 of 29 responses	
yes	98631-98625-5973942
It would make it a bit easier to evaluate the competence of potential suppliers. Procuring someone reliable is a bit trick at present.	98631-98625-6002806
Yes	98631-98625-6004425
No - not really - even current tech standards have so many parts unimplemented or plain ignored.	98631-98625-6006433
Yes	98631-98625-6006326

35 How are you approaching migrating to 802.11ac? (e.g. Is it required, what benefits, what timescales)

Showing 5 of 35 responses	
It is already available on our network, as far as I can tell no particular work was done for it, it was just switched on.	98631-98625-5973942
We are just specifying it for all new or replaced APs. It's not yet clear to me how beneficial it will actually be, particularly before the release of Wave 2	98631-98625-6002806
Building by building trying to unmix technologies (mixing 802.11n and non-11n APs) has been problematic.	98631-98625-6004425
Cost/benefit analysis especially on new builds.	98631-98625-6006433
It is required now	98631-98625-6006326

36 How do you approach support challenges around the HE "BYOD by Default" Culture?

Showing 5 of 28 responses	
We attempt to manage expectations	98631-98625-6002806
It just happens.	98631-98625-6004425
Support BYOD with Eduroam and unencrypted http/https guest network. The bigger challenge is getting the apps to support his.	98631-98625-6006433
We deal with all byod as normal support business	98631-98625-6006326
Respond to calls	98631-98625-6009119

37 Do you, or would you consider using eduroam as the primary secure SSID for providing access to the wireless network?

Showing 5 of 39 responses	
yes	98631-98625-5973942
Yes. We still have an internal-only .1x SSID for staff, but are pushing them to eduroam.	98631-98625-6002806
We do.	98631-98625-6004425
If in future we could reture our secured domain architechture then yes.	98631-98625-6006433
We do	98631-98625-6006814

38 Are you aware of "Hotspot 2.0r2" (specifically, inclusion of non-SIM based credentials), and if so, what impact do you think it will have on WLAN provision over the coming few years?

Showing 5 of 32 responses	
no	98631-98625-5973942
No - knew about 2.0, but takeup seemed slight.	98631-98625-6002806
No, but I am now.	98631-98625-6004425
No	98631-98625-6006433
No	98631-98625-6006814

39 Are you considering (/actively) making provision for more than 1Gbps throughput to your APs to support 802.11ac "wave 2". Do you think this is required/not?

Showing 5 of 38 responses	
We need to solve existing issues first, I don't think there's an immediate need but I will try to keep abreast of developments.	98631-98625-5973942
No. Even on busy APs we don't currently see > 100Mb/s	98631-98625-6002806
No desperate requirement. Few desktop PCs saturate a gig on wired. It's a few years away before it's a problem in a typical wireless environment.	98631-98625-6004425
To be evaluated but in general yes this is likely.	98631-98625-6006433
No	98631-98625-6006814

40 The "Internet of Things" is currently quite hyped up. Do you feel that any of this is justified. If so, what impact do you think "IoT" will have on WLAN provision over the coming years?

Showing 5 of 31 responses	
I think it will naturally find its path, I struggle to see all of the examples of devices being that useful (domestic fridges etc) but can easily see requirements skyrocketing for web controlled lights, cctv, door/access systems over wifi.	98631-98625-5973942
More security problems, I expect. Probably also more interference, and more demand for capacity.	98631-98625-6002806
It'll be a PITA, particularly ones that do not support WPA2 enterprise.	98631-98625-6004425
It IS over hyped - however there is a significant demand for address space for low bandwidth and BYOD meaning IPv6 could be driven by numbers of devices visiting.	98631-98625-6006433
Mostly the "things" are wired currently	98631-98625-6006814