



RESTRICTED SECURITY ACCREDITATION

LOW COST LOW RISK SOLUTIONS

INDEPENDENT EXPERT ADVICE

Providing RESTRICTED Wireless Solutions

SyFi Solutions provides secure wireless network (WiFi) solutions and advice. Our solutions are designed to meet your business needs and are guaranteed to meet UK Government RESTRICTED accreditation requirements.

Our solutions comprise of arguably the most secure, commercially available wireless hardware, integrated and configured by qualified network engineers to complement your existing network infrastructure.

We will ensure that the system is configured and documented correctly to comply with current MoD JSP440 security policy and the latest CESG standards.

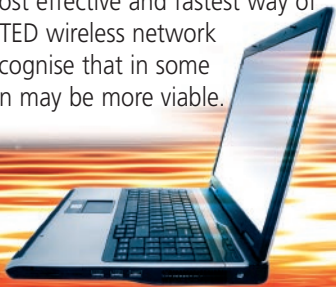
SyFi Solutions manages the end-to-end implementation and accreditation process to provide a supportable, wireless solution.

Achieving RESTRICTED Accreditation

SyFi Solutions will work with you and the Accreditor to agree the preferred method of deployment, whether this is through integration of additional crypto hardware or by applying CESG's 'Manual Y' process. Our consultants will make independent recommendations based the latest MoD wireless standards and WiFi technology.

Wherever possible we will opt to implement the 'Manual Y', which is essentially a published set of standards created by CESG that permits wireless networks to be operated at RESTRICTED classification.

'Manual Y' is the most cost effective and fastest way of implementing a RESTRICTED wireless network solution. However we recognise that in some cases a hardware solution may be more viable.



Wireless Network Applications

Wireless networks or WiFi, enables workforce mobility and is acknowledged as an irreversible, global trend. The technology behind modern WiFi has developed at a remarkable pace to enable a host of practical applications beyond the traditional 'Hotspot'. Today we can create a wireless network that, for example, can provide real-time asset tracking and Voice over IP (VoIP).

Until now, the security aspects of implementing a wireless network have forced the defence sector to consider alternative and expensive solutions. Today's technology and processes provide the level of assurance required to implement a cost effective solution within a short timescale that is acceptable to you and the security Accreditor.



Wi-Fi BATTLESPACE Research

Wi-Fi technology can offer a versatile and robust wireless network infrastructure for transmitting and receiving data securely.

Wi-Fi applications continue to be exploited within the commercial sector and more recently, areas of Defence, such as offices and warehouses.

The potential uses of Wi-Fi technology within the battlespace context have been addressed to a lesser extent. This is primarily due to security issues related to

wireless technologies (e.g. the real and perceived risks of hacking, jamming, mimicking, etc.). However as Wi-Fi technology improves, the security risks are becoming manageable and acceptable under certain circumstances.

SyFi Solutions is at the forefront of Wi-Fi defence research; working with a number of blue-chip IT companies to address these risks and exploit the operational possibilities of Wi-Fi.

SyFi Solutions and its partners are committed to constantly challenging current security assumptions in order to seek ways of allowing the latest commercial technology to be exploited securely by British armed forces.

Engaged in Development

Our hardware partner has developed a 'ruggedised' Wi-Fi Access Point, initially targeted at the nuclear and oil installations. This technology is clearly exploitable within Defence and SyFi Solutions is working in partnership with our clients to demonstrate effective use of this and other transferable capabilities.

Our team has amassed decades of Defence experience and is applying this to create secure and relevant Wi-Fi based solutions. For example, our 'offline' solution allows people to continue their data intensive activities outside of their normal working environment, whilst maintaining the required levels of connectivity, security and data integrity.

We also provide expertise in adjacent technologies, such as authentication and digital certification and continue to develop solutions aimed at our target customers, which are affordable, manageable and supportable throughout the life of the system.

Our Approach

The SyFi Solutions team will work with you and your team to understand and articulate your user requirements. We are able to apply our expertise in Defence and Wi-Fi technologies to translate these criteria into a set of clearly defined system requirements, using frameworks such as the MoD Architecture Framework (MODAF) when necessary to describe system and operational interaction with wider MoD capabilities.

We will then design, supply and deploy a Wi-Fi system that meets the user and local accreditation requirements.

Battlespace Applications

Wi-Fi is an affordable and versatile means of exchanging data securely. Examples of operational applications include:

- ⊙ Rapidly creating secure operational 'MESH' networks.
- ⊙ Tracking the location of soldiers within a secure Wi-Fi perimeter.
- ⊙ Pinpointing hostile or rogue Wi-Fi transmitters and receivers.
- ⊙ Providing secure Wi-Fi connectivity through a 3G connection.
- ⊙ Providing hierarchical user groups with secure Voice over IP (VoIP) capability.

SyFi Solutions manages a multi-disciplined specialist team to deploy the wireless network with minimal business intrusion.



mobilising the workforce securely



SyFi Solutions provides best of breed secure wireless network solutions.

SyFi Solutions manages each client implementation, drawing together an experienced and skilled team at the right time to complete the formal accreditation process.



Our security partner was the first security consultancy to complete a 'Manual Y' RESTRICTED validation exercise with CESG. We will walk you through the security aspects and policy requirements and deliver the necessary accreditation documentation.

SyFi SOLUTIONS FEATURES

Project Management

- SyIT Survey (initial security, network and IT survey).
- Defence and security domain expertise.
- Management of accreditation process.
- Stakeholder engagement.
- Options analysis.
- Planning and reporting.

Hardware

- Non-disruptive overlay network.
- Secure 'identity aware' mobility system.
- Scaleable with low latency.
- RFID tag enabled.
- Voice solutions.
- One-stop solution for security, mobility, convergence.

Security

- CLAS consultants.
- JSP440 and 'Manual Y' expertise.
- Security documentation creation.
- Security aspects support and advice.

Systems & Network Engineering

- Network Design.
- Integration with existing network.
- Hardware and software configuration.
- Value add services (VoIP, performance tools).
- System test and acceptance.

Maintenance & Support

- Training.
- Helpdesk.
- Support.

Tailored solutions to meet your information needs.



Aruba Networks is SyFi Solutions preferred hardware provider due to their products advanced security functionality and scaleable features. The wireless network equipment is fully supported and proves excellent value. Aruba wireless network kit is used extensively throughout the US DoD and major blue chip companies.

Our system and network engineering partner has successfully implemented wireless solutions across many business sectors. The engineers are experts in their field and will deploy, integrate and support our state of the art equipment.

WHY CHOOSE SyFi SOLUTIONS?

SyFi Solutions specialises in providing RESTRICTED wireless network solutions for the defence industry.

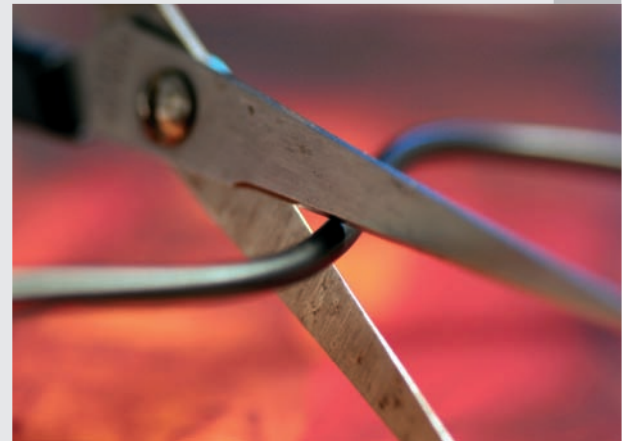
The SyFi Solutions team understands the security domain implicitly and specialises in implementations of the Governments 'Manual Y' process. We guarantee to deliver a cost effective solution that meets UK Government RESTRICTED accreditation requirements.

Our baseline wireless network solutions require the minimum in new hardware and offer a balance between user mobility and security.

SyFi Solutions draws together experts in security and wireless networking to deliver a fully accredited solution. The team includes Government certified CLAS security consultants, hardware specialists and system engineers.

Our chosen wireless network hardware partner, Aruba Networks, provides award winning hardware that is used extensively by the military in the US and several leading, global blue chip companies.

Our wireless solutions offer more than just wireless networking, for example: RFID, Voice over IP (VoIP), geo-fencing, and more.



To discuss your business needs or to learn more about how SyFi Solutions can enable your business, contact:



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