

5G Drive

David Owens



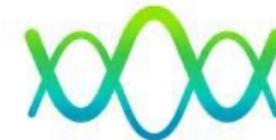
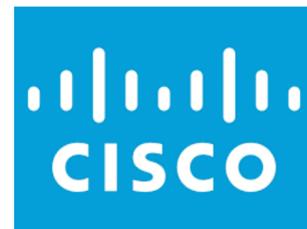
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**UK
5G**

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Network**

5G DRIVE – What is it?

- 5G DRIVE, stands for Diversified RAN Integration & Vendor Evaluation, providing a great way for new vendors to enter the Market with their RAN Products, that is cost-effective, scalable and secure.
- Today, private indoor networks provided by ‘tier 2’ radio vendors are a challenge to integrate, as they require significant resources, network infrastructure investment and prohibitively high costs for the MNO (Mobile Network Operator). As well as the resource and cost implications, there are also concerns over security, operational ownership, training, and uncertainty over regulatory responsibility.
- The 5G DRIVE project will provide a solution to this challenge by connecting the private networks via the new 5G roaming interface: this new architecture will allow us to implement a platform that can apply security rules before the inbound traffic enters the MNO’s mobile networks too.



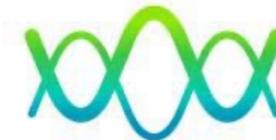
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5G DRIVE - Our Impact on the market

- The project will pave the way for new suppliers to provide feasible private network RAN solutions with MNOs, due to the reduced cost, simplicity and scalability of the deployment.
- This is the first-time private networks have been integrated into public networks, using this technique.
- This solution also provides carrier grade security to enterprises, using tried and tested IT philosophies.



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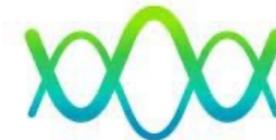
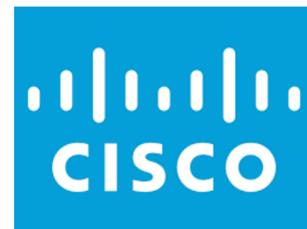
5G DRIVE - How are we doing it?

The 5G DRIVE solution will deliver:

- The ability to connect multiple private networks, in an uncomplicated and cost-effective way.
- Provide a vendor agnostic integration solution.
- A scalable solution that can support larger numbers of non-tier 1 RAN vendors, without having to scale public operator network integration costs.
- Carrier 'grade' security, that can simultaneously meet the InfoSec requirements of the enterprises deploying private networks as well as the public network operators, demonstrated through threat modelling, analysis, and testing.



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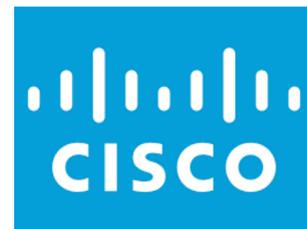
5G DRIVE - Collaboration possibilities

- For phase 3 of our project, the 5G DRIVE team would like to collaborate with tier 2 vendors that would like to test integrating their solution with a simulated public 5G network.
- So, if you would like to be part of this exciting project please come and have a chat.

Thank you.



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