

Designing Advanced Mobility Solutions, Rev. 18.41

Topics

➤ **Design Phase 1**

- Gather information and Analyze Customer environment
- Evaluate the customer requirements in the Scenario
- Produce a detailed design specification document to plan and design an Aruba solution per the customer requirements
- Explain Support Options
- Recommend the solution to the customer

➤ **Design Phase 2 - Dorm rooms**

- Dorm Design Best Practices - Understand the complexity of Dorms
- Gather and analyze current environment and document customer requirements
- Create a detailed design specification document to plan and design an Aruba solution per the customer requirements
- Recommend the solution to the customer

➤ **Design Phase 3 – Outdoor stadium**

- Review Outdoor topologies
- Review designing outdoor AP coverage
- Gather and analyze current environment and document customer requirements
- Evaluate the customer requirements
- Produce a detailed design specification document to plan and design an Aruba solution per the customer requirements
- Using the Outdoor Network Planning Tool to create an RF Plan for the stadium
- Recommend the solution to the customer

➤ **Design Phase 4 – Hospital**

- Gather and analyze current environment and document customer requirements
- Discuss particular features of a hospital that can pose challenges to the RF design
- Specialized device requirements
- Regulations
- Meeting strict security requirements
- Meeting strict availability requirements
- QoS requirements

➤ **Design Phase 5 - Location services**

- Gather current environment and customer requirements

- Review Design methodology for Aruba location Services and Voice
 - Evaluate the customer requirements
 - Produce a detailed design specification document to plan and design an Aruba solution per the customer requirements
 - Recommend the solution to the customer
- **Design Phase 6 – Remote Access (SD-WAN, VIA, IAP-VPN and RAP)**
- Gather and analyze current environment and document customer requirements
 - Review Remote access Practices - Understand the complexity of remote Access
 - Create a detailed design specification document to plan and design an Aruba solution per the customer requirements
 - Recommend the solution to the customer
- **Design Phase 7: Retail Design – School bookstore and other retail shops (POS terminals, barcode scanners, PCI requirements)**
- Gather and analyze current environment and document customer requirements
 - Discuss particular challenges for retail environments
 - Explain Multizone
 - Create a detailed design specification document to plan and design an Aruba solution per the customer requirements
 - Recommend the solution to the customer
- **Troubleshooting Network Designs**
- Troubleshoot an RF design
- **Mock ACDX exam**
- Review scenario
 - Develop a design to meet the customer requirements and be prepared to defend your design
 - Provide a topology and cost for your solution