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# Academic Campus Distributed Antenna System (DAS) Installation/Monitoring Checklist

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| Organization |
| Project Manager:  |  |
| Email Address:  |  |
| Telephone number:  |  |
| Site/Location:  |  |
| Address:  |  |
| Project #:  |  |
| Project Budget:**Building Owner’s Responsibility** |  |
| Project Completion Date: |  |

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| Distributed Antenna System Design CHECKLIST |
| [ ]  | Provide floor plans with internal walls. Designers prefer to know the type of walls because wall-type impacts the design and hence cost. | Shell space will be designed at a later date. |
| [ ]  | Provide building(s) square footage.  | Pre-design task |
| [ ]  | Provide estimated number of users at the peak time. Operators prefer to design & configure the RF Source for peak traffic  | Pre-design task |
| [ ]  | Provide construction schedule. 3 timelines are important:1. We would like to know when the exterior walls will be completed, as well as windows with glasses will be installed (for benchmark data if applicable)
2. When we can start pulling the cable and start installing electronics inside the building (starting DAS construction)
3. When the building will be occupied (for turning up the system).
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| [ ]  | Attend project meetings and provide DAS requirements/changes | Project duration |
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| [ ]  | New Construction Building Logistics. Following requirements are typical, but actual requirements will depend on the size of the coverage area (DAS size), and type of RF sources Operators will bring (BDA vs. Small Cell vs. Base Station)* Minimum 1 rack for DAS head-end.
* 3 rack spaces per operator (1 for BBU, 1 for power plant, 1 for radio heads). if operators are planning for base stations.4’X4’ wall space in the MDF is also helpful.
* 4’X4’ wall space in TR or 1 rack in the IDF/TR.
* Majority DAS gears can be powered by regular wall receptacles (15-20 amps). 1 receptacle per box.
* For operators it will be safe to plan for 1-100 amp single phase power per operator. If they bring Small Cells or BDAs power need will be lower.
* Building generator if applicable
	+ Independent UPS if generator not available
* Determine fiber requirements
	+ POC: Tony Noto
* Provide vendor training requirements/badging/access
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| [ ]  | DAS System Enhancements/Building Renovations* Determine if walls will be added or removed
* Provide construction schedule
	+ Coax can be demolished
	+ Antennas and remotes will be removed and reused
* Enhancements may require a Risk Assessment
	+ Patient care areas
 | New DAS design required |
| [ ]  | For a 250K sq. ft. building, DAS Design can usually be completed 3 weeks after all requested data received |  |

DAS Management Contact:

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