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| **Group** 8 | Death Star Image Exfiltration |
| **Major:** | **Team members:** |
| EE | Nicholas Michael |
| CEG | Mason McDaniel |
| IT/Cyber | Chase Ennis |
| IT/Cyber  CS | Cade Wrinkle  Michael Mowad |

**Design Constraints**

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| Const No. | Constraint |
| 10 | There will be no physical link joining the Raspberry Pi to the Linux server. |
| 20 | The solution will not physically contact the boundary window. |
| 30 | The wireless channel between the Raspberry Pi and Linux server will not make use of Wi-Fi, Bluetooth, Cellular, and associated protocols. |
| 40 | The total bill of materials will not exceed $300 USD (Excluding Standards) |
| 50 | All components of the system must be provided by or purchased through the course instructors. |
| 60 | The rebel server must be no closer than 5 meters to the glass wall. |
| 70 | The solution will not impede other network activities occurring concurrently with transception. |
| 80 | The established communication technique must be bidirectional. |
| 90 | All communications between the pi and server must be encrypted. |
| 100 | The Raspberry Pi must transfer all 10 1024x1024 images of the Death Star within a total time of 600 seconds. |

Definitions:

Physical Link – any wired connection or direct physical contact.

Wireless Channel – the physical communication layer used to communicate wirelessly.

Impede – to obstruct or interfere.

Transception – the act of transceiving.