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**Bitlocker**

A project execution plan is a basic map of a project; it outlines the roles, responsibilities, and stakeholders of a project (Sharma, 2013). For me, once my project has been approved by the stakeholders, I will use the project execution plan to expand on the business plan. I will include each milestone (three milestones), subtasks for those milestones, and other activities that are critical to the overall success of my project (i.e. meetings, status reports, and emails). I like to think of the project execution plan as the bones of a project. Consequently, my execution plan will encompass cost, duration, scope, staff, and risks associated with my project. My role in the project is IT specialist, so I will definitely require a solid project execution plan to keep the project on track and within budget. Thus, for a successful project, I'll create the project in MS Project to outline the scope, cost, tasks, and activities that will all lead to project completion. My main objective is to stay on track, progressively moving forward until the project is done.  
  
What is my project about? I will be rolling out a Bitlocker encryption solution to some 10,000 computers. While Bitlocker is already a feature in Microsoft operating systems, the entire process is not without its risks.  
  
Please see the following chart with potential risks, and how I will be addressing them.

|  |  |  |  |
| --- | --- | --- | --- |
| **Risk** | **Description** | **Mitigation** | **Role** |
| Failed TPM due to outdated BIOS | In rare cases, less than 1%, the computer’s BIOS may need to be updated to enable TPM. | BIOS will be manually updated. | Local Technician |
| Failed TPM due to motherboard | In rare cases, less than 1%, the computer’s motherboard will not have a TPM Chip. | Computer will be replaced with either a loaner machine or new computer. | Local Technician |
| Failed key import into Active Directory | The recovery key does not get imported into Active Directory | Try automated process again. Import key manually. | IT Specialist |
| Failed key import into Active Directory | The recovery key does not get imported into Active Directory | Verify computer is in a domain, and is in the proper OU.  Or, enable, ‘Turn on TPM backup to Active Directory Domain Services’ in Local Group Policy | IT Specialist |
| Failed transport of key via email | The recovery key does not transport email service account | Try automated process again. Copy key from Active Directory, or FTP. Transfer manually. | IT Specialist |
| Failed transport of key to FTP server | The recovery key does not transport to FTP server | Try automated process again. Copy key from Active Directory or email. Transfer manually. | IT Specialist |
| Failed key import into LANDesk | The recovery key does not get imported into LANDesk Desktop Management Software | Reinstall LANDesk Agent. Try automated TPM Management. | Local Technician |
| User is receiving prompt to enter Bitlocker Recovery Password | When the user restarts their machine, they may receive a prompt to enter the Bitlocker Recovery Key | Enter the key from AD, FTP, Email, or LANDesk. Check TPM Chip status. Try automated TPM Management | IT Specialist |
| TPM cannot continue due to ownership error | The TPM ownership must be set before adding protectors to the TPM Chip | Take ownership of the TPM Chip, manually. Try automated TPM Management | IT Specialist |

Please let me know your thoughts. I am currently working on creating a MS Project file, and adding the execution plan into it. I have only used MS Project once before---in a Kaplan course---so it is proving quite fun.   
  
  
References  
  
Brown, Dehayes, Hoffer, Martin, & Perkins. (2012). *Managing information technology*, 7th ed. Prentice Hall, Pearson.  
  
Sharma. (2013). Project execution process group: Put your plan to work. Retrieved from http://www.brighthubpm.com/project-planning/1674-project-execution-putting-your-plan-to-work/