



## Objectives Sheet

### STM 101 - Introduction to Science and Technology Management

*Course Learning/Performance Objectives followed by enabling learning objectives*

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| <b>STM 101.U01.01</b> | <b>Recognize the Importance of Science and Technology to the Defense Acquisition System</b>   |
| STM 101.U01.01.01     | Define Science and Technology as used in the DoD  |
| STM 101.U01.01.02     | Recognize the Importance of Science and Technology in achieving DoD objectives , especially in supporting acquisition programs  |
| <b>STM 101.U01.02</b> | <b>Identify DoD policy and guidance that impact Science and Technology programs</b>   |
| STM 101.U01.02.01     | Recognize the relationship of DoD strategic planning and guidance on Science and Technology planning  |
| STM 101.U01.02.02     | Identify key responsibilities in DoD Science and Technology efforts   |
| STM 101.U01.02.03     | Recognize the purpose and features of the Reliance 21 overarching framework of the Department of Defense's Science and Technology joint planning and coordination process . |
| <b>STM 101.U02.01</b> | <b>Describe the factors that facilitate successful technology transition</b>  |
| STM 101.U02.01.01     | Describe key transition paths for Science and technology in the DoD   |
| STM 101.U02.01.02     | Identify transition planning considerations and issues  |
| STM 101.U02.01.03     | Recognize the use and importance of the Technology Roadmap in transition planning   |
| <b>STM 101.U02.02</b> | <b>Recognize the business related considerations that need to be addressed in Science and Technology planning</b>   |
| STM 101.U02.02.01     | Recognize considerations related to costing and resourcing the Science and Technology effort  |
| STM 101.U02.02.02     | Identify major acquisition instruments/arrangements used in Science and Technology programs and planning considerations associated with them                                |
| STM 101.U02.02.03     | Recognize Science and Technology planning needs related to intellectual property and interface issues   |
| STM 101.U02.02.04     | Recognize tools and techniques that can be used to monitor performance  |
| <b>STM 101.U03.01</b> | <b>Describe the stage-gate process and its associated tools used during execution of S&amp;T programs</b>   |
| STM 101.U03.01.01     | Recognize key aspects of the stage-gate process   |
| STM 101.U03.01.02     | Describe the use of Technology Readiness Levels and Manufacturing Readiness Levels  |
| STM 101.U03.01.03     | Describe the use of Technology Readiness Assessments  |
| STM 101.U03.01.04     | Describe the use of verification and validation   |
| STM 101.U03.01.05     | Describe the characteristics of risk and opportunity analysis/management  |