

Introduction	Aim														
<p>Information Security (Infosec) is often seen as an expensive and unnecessary burden to system implementation and operation, yet well-publicised security breaches of some of today's systems are cited as evidence of seemingly inadequate protection.</p> <p>However, an integrated engineering approach can reduce the overall cost of system development where protection of information assets is an integral aspect of a system's fitness for purpose.</p> <p>Similarly, if development and implementation proceed without consideration of security impact, system components may have to be re-engineered at additional cost to achieve system integrity.</p> <p>This course will provide an introduction to Information Security within the scope of systems engineering, along with its dependence and impact on other disciplines. An overview of the course is given below:</p>	<p>The course is aimed at providing engineers and project managers in a range of sectors (e.g. Defence, Transport, Commercial etc.) with an appreciation of the Information Security issues relating to systems development. The course will provide an overview of some of the main processes required for designing more secure systems and exercises will provide participants with consolidation of the theory presented.</p> <p>At the end the course, participants will not be Infosec specialists; however, the aim is that they will have a better understanding of how to achieve a more coherent system development approach incorporating inherent security architectures.</p>														
Detailed Course Description															
<p><b>Training Objectives</b></p> <p>A Training Objective (TO) is a precise statement of the skills and knowledge required of a trainee at the end of a training Session. The table to the right details the TOs for the Introduction to Information Security Course.</p>	<table border="1"> <thead> <tr> <th data-bbox="1137 906 1126 954">No.</th> <th data-bbox="1137 906 2076 954">Training Objective</th> </tr> </thead> <tbody> <tr> <td data-bbox="1137 962 1126 1010"></td> <td data-bbox="1137 962 2076 1010"><b>Session 1 – Information Security – Definition and Scope</b></td> </tr> <tr> <td data-bbox="1137 1018 1126 1066"></td> <td data-bbox="1137 1018 2076 1066"><b>Session 2 – Security Architectures – What and Why</b></td> </tr> <tr> <td data-bbox="1137 1074 1126 1121"></td> <td data-bbox="1137 1074 2076 1121"><b>Session 3 – Mitigation Strategies</b></td> </tr> <tr> <td data-bbox="1137 1129 1126 1177"></td> <td data-bbox="1137 1129 2076 1177"><b>Session 4 – The Information Assurance Lifecycle</b></td> </tr> <tr> <td data-bbox="1137 1185 1126 1233"></td> <td data-bbox="1137 1185 2076 1233"><b>Session 5 – Security and Systems Engineering (Impact with other domains)</b></td> </tr> <tr> <td data-bbox="1137 1241 1126 1289"></td> <td data-bbox="1137 1241 2076 1289"><b>Session 6 – Q&amp;A</b></td> </tr> </tbody> </table>	No.	Training Objective		<b>Session 1 – Information Security – Definition and Scope</b>		<b>Session 2 – Security Architectures – What and Why</b>		<b>Session 3 – Mitigation Strategies</b>		<b>Session 4 – The Information Assurance Lifecycle</b>		<b>Session 5 – Security and Systems Engineering (Impact with other domains)</b>		<b>Session 6 – Q&amp;A</b>
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