What’s the purpose?
To enable students to apply appropriate RAM methodologies to projects, ensuring that RAM is included within the design and that RAM targets are met. The course also discusses the concept of critical and life-limited items and the use of reliability centred maintenance strategies to reduce maintenance costs. Finally the course considers the trade-offs between RAM and safety requirements, as well as discussing how RAM shortfalls may be addressed.

Who is this for?
Managers, discipline engineers and HSE and reliability professionals seeking to improve asset performance.

What does it cover?
- Introduction to Reliability Availability and Maintainability (RAM)
- Availability and safety; potential conflicts
- RAM planning and choice of methodology
- RAM assessment methods; deterministic
- Numerical RAM assessment techniques
- Critical and life-limited items
- Maintainability and maintainability demonstrations
- Reliability Centred Maintenance (RCM)
- Methods of improving reliability

After completing the course you should be able to:
1. Identify and apply the analysis methodologies to systems and sub-systems, including both design and operation restrictions, to determine the Availability, Reliability and Maintainability of these Systems
2. Critically review and balance the requirements of the design for RAM and safety
3. Logically deduce how RAM results for a system may be improved

<table>
<thead>
<tr>
<th>Delivery methods</th>
<th>Hours</th>
<th>Face-to-face</th>
<th>Distance learning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Risktec CPD</td>
<td>20</td>
<td>2 days, followed by assessment</td>
<td>8 weeks’ duration</td>
</tr>
<tr>
<td>Attendance only</td>
<td>15</td>
<td>2 days</td>
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</tbody>
</table>

If you are a corporate client and would like a customised delivery, please contact the training team to discuss your requirements.

What prior study is recommended?
Education, skills or experience equivalent to undergraduate level. Risktec course: Principles of Risk Management