

## Assessment Schedule – 2019

### Technology: Demonstrate understanding of operational parameters in complex and highly complex technological systems (91614)

#### Assessment Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<p>Demonstrating understanding of operational parameters in complex and highly complex technological systems involves:</p> <ul style="list-style-type: none"> <li>explaining the concepts involved in establishing operational parameters and the implications of these for the design and development of a complex technological system</li> <li>explaining the operational parameters of a complex technological system and how they enable the system's operation and maintenance in situ</li> <li>describing a highly complex technological system and explaining the factors that influenced the establishment of its operational parameters.</li> </ul>	<p>Demonstrating in-depth understanding of operational parameters in complex and highly complex technological systems involves:</p> <ul style="list-style-type: none"> <li>explaining a highly complex technological system and discussing why factors influence the establishment of its operational parameters.</li> </ul>	<p>Demonstrating comprehensive understanding of operational parameters in complex and highly complex technological systems involves:</p> <ul style="list-style-type: none"> <li>discussing how operational parameters impact on the design, development and maintenance of complex and highly complex technological systems.</li> </ul>

#### Evidence

N1	N2	A3	A4	M5	M6	E7	E8
Report demonstrates very little understanding, and / or report is substantially reproduced with little input by the candidate.	Report is substantially produced by the candidate but demonstrates little understanding. Not enough evidence to show understanding. One part of the required response may be completely missing, or several parts may be weak.	Describes and explains as required to show understanding. Some explanations or descriptions may be weak or partial.	Describes and explains as required to show clear understanding.	Explains as required to show in-depth understanding. Some aspects of explanation may be partial or weak.	Explains as required to clearly show in-depth understanding.	Discusses as required to demonstrate comprehensive understanding. Some aspects may be partial or weak.	Discusses as required to clearly demonstrate comprehensive understanding of complex and highly complex technological systems.

**N0** = No response; no relevant evidence.

#### Cut Scores

Not Achieved	Achievement	Achievement with Merit	Achievement with Excellence
0 – 2	3 – 4	5 – 6	7 – 8