

**Intensive Training on  
Generation Planning using WASP-IV**

<b>WASP-IV TRAINING (Week 1 – July 2 to 6, 2007)</b>					
<b>Time</b>	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
<b>09:00 - 10:30</b>	<p><b>COURSE OPENING</b></p> <p>Welcome / Introductions and Discussion of Course Objectives (BH)</p>	<p><b>LECTURE 3</b></p> <p>LOADSY module of WASP-IV (BH)</p>	<p><b>LECTURE 5</b></p> <p>VARSYS module of WASP-IV (MZ)</p>	<p><b>LECTURE 7</b></p> <p>CONGEN module of WASP-IV (BH)</p>	<p><b>LECTURE 10</b></p> <p>REPROBAT module of WASP-IV for Fixed Expansion Results (MZ)</p>
<b>10:30 - 10:45</b>	<i>Break</i>				
<b>10:45 - 12:15</b>	<p><b>LECTURE 1</b></p> <p>Overview of WASP-IV generation system expansion planning model (MZ)</p>	<p><b>WORK SESSION</b></p> <p>Input data preparation and execution of LOADSY</p>	<p><b>WORK SESSION</b></p> <p>Input data preparation and execution of VARSYS</p>	<p><b>WORK SESSION</b></p> <p>Input data preparation and execution of CONGEN</p>	<p><b>WORK SESSION</b></p> <p>Input data preparation and execution of MERSIM &amp; REPROBAT</p>
<b>12:15 - 13:45</b>	<i>Lunch Break</i>				
<b>13:45 – 15:15</b>	<p><b>LECTURE 2</b></p> <p>Overview of WASP-IV User Interface (BH)</p>	<p><b>LECTURE 4</b></p> <p>FIXSYS module of WASP-IV (MZ)</p>	<p><b>LECTURE 6</b></p> <p>Developing a Fixed Expansion Case in WASP (BH)</p>	<p><b>LECTURE 8</b></p> <p>Probabilistic Simulation (MZ)</p>	<p><b>WORK SESSION</b></p> <p>Review of Teams' Fixed Expansion Results</p>
<b>15:15 – 15:30</b>	<i>Break</i>				
<b>15:30 – 17:00</b>	<p><b>TNB Presentation</b></p> <p>Overview of electricity system in Malaysia (present situation and future prospects)</p>	<p><b>WORK SESSION</b></p> <p>Input data preparation and execution of FIXSYS</p>	<p><b>WORK SESSION</b></p> <p>Developing a Fixed Expansion Case in WASP</p>	<p><b>LECTURE 9</b></p> <p>MERSIM module of WASP-IV (MZ)</p>	<p><b>WORK SESSION</b></p> <p>Review of Teams' Fixed Expansion Results (continued)</p>

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<b>WASP-IV TRAINING (Week 2– July 9 to 13, 2007)</b>					
<b>Time</b>	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
<b>09:00 - 10:30</b>	<b>LECTURE 11</b> Dynamic programming technique (BH)	<b>LECTURE 13</b> Pumped-Storage Representation in WASP-IV (MZ)	<b>LECTURE 15</b> Special unit representation in WASP-IV (MZ)	<b>LECTURE 17</b> Sensitivity analysis in WASP-IV (MZ)	<b>WORK SESSION</b> Preparation of Participant Teams' Presentation of Optimal Solution Results
<b>10:30 - 10:45</b>	<i>Break</i>				
<b>10:45 - 12:15</b>	<b>LECTURE 12</b> DYNPRO module of WASP-IV (BH)	<b>LECTURE 14</b> Use of group limitations for energy-limited units and environmental constraints in WASP-IV (MZ)	<b>LECTURE 16</b> Format of Final Presentation (BH)	<b>WORK SESSION</b> Sensitivity analysis in WASP-IV	<b>PRESENTATION</b> Course Participant Teams' Presentation of WASP-IV Optimal Solution Results
<b>12:15 - 13:45</b>	<i>Lunch Break</i>				
<b>13:45 – 15:15</b>	<b>WORK SESSION</b> Input data preparation for DYNPRO	<b>WORK SESSION</b> Developing an optimal expansion strategy in WASP-IV	<b>WORK SESSION</b> Developing an optimal expansion strategy in WASP-IV	<b>WORK SESSION</b> Review of Teams' Optimal Solution Results	<b>DISCUSSION</b> Question/Answer session on WASP-IV Software
<b>15:15 – 15:30</b>	<i>Break</i>				
<b>15:30 – 17:00</b>	<b>WORK SESSION</b> Execution of DYNPRO	<b>WORK SESSION</b> Developing an optimal expansion strategy in WASP-IV	<b>WORK SESSION</b> Developing an optimal expansion strategy in WASP-IV	<b>WORK SESSION</b> Review of Teams' Optimal Solution Results (continued)	<b>COURSE CLOSING</b> Presentation of training certificates