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DOCUMENT TITLE:

Lead Solutions Engineer (LSE)

HISTORY LOG				
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0	31 Mar 11	Initial	Jeffrey Foo	Lee Kock Hin
1	20-Sep-12	Approved	Jeffrey Foo	Lee Kock Hin

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1 Senior Solutions Engineer (LSE)

The Lead Solutions Engineer shall supervise and execute all detailed system-engineering activities within the project. For large projects, there may be more than one LSE. Each may be assigned to a specific plant area or system function.

2 Responsibilities

- The LSE leads the solutions software engineering teams for application software development and sub-system/supervisory system interfaces.
- The LSE shall understand customer specifications, scope of work and scope of supply for the project.
- The LSE shall minute project meetings such as customer kick-off meeting (when instructed by PM), specification clarification meeting and progress meeting.
- The LSE shall prepare solutions system functional specifications for client approval and subsequently for software generation. He may supervise a team of engineers in this task.
- The LSE shall supervise the generation of application software, including configurations for interface of sub-systems, network and wireless infrastructure systems.
- The LSE supervises the development of control and logic schemes, models (OTS, AMB) and HMI (eg graphics and reports) modules.
- The LSE shall prepare a list of software packages and liaise with LPE who will consolidate all project items for order entry and procurement.
- The LSE shall update activity status and percentage completion in the project schedule.
- The LSE shall prepare a list of modifications, changes and variations, to be submitted to the PM.
- The LSE conducts Engineering Design Review for application software and corresponding integration activities.
- The LSE shall supervise all internal testing of the system prior to the FAT. He shall compile and organize all internal test records.
- The LSE shall prepare and conduct FAT and compile and organize the FAT records.
- The LSE is responsible for the compilation of as-built documents pertaining to his scope.
- The LSE shall ensure engineering quality to meet customer's technical specifications and engineering codes and standards (where appropriate).

3 Reporting

The LSE reports to the Project Manager for all technical aspects concerning the project. All PSC staff report to their respective department managers for administrative functions.

4 End of Document