Q1 – iii

For the result from part (i), the Q1-Hazard-Checklist-2014 provides the guidance to analysis the potential hazard in system by causes and effects. These threaten features in the work system would cause accident in the operation. As the result, analysis requires balancing of technical definition of hazard against need for sensible action/tracking, and would contribute to all kinds of area’s safety management. However, it cannot identify the hazard which caused by the energy conversation or release. For hazard identification application by generically checklist, it requires the users to analysis the root cause of hazard with equipment issues. As a result, this is not an easy progress in the system with many different or newly techniques. This activity requires the users or experts have the background knowledge or experience on this industry area. In the other words, the analysis’s effort could be effect by the experts’ abilities or training.

For the result from part (ii), the Q2-ETBA-Checklist-2014 provides the guidance to analysis the hazard in system by uncontrolled energy conversation or release, and energy effect on vulnerable target. These conversations would raise the problem which leads to unintended harm. As the result, this analysis could use family of similar techniques, and perform well in multiply energy source system or product. It is a powerful and efficient approach in discovery hazard associated with energy sources. Furthermore, its procedures produce consistent, reasoned and objective judgements on hazards. However, it will miss the hazard un-relative to energy source. For the application of ETBA, it requires the users or expert to have the logically way in operation in identify hazard. The result’s effort relative to the procedure’s repeat situation and quality of procedures. In the other word, the effort of analysis depend on the user whether to perform process as guidance.