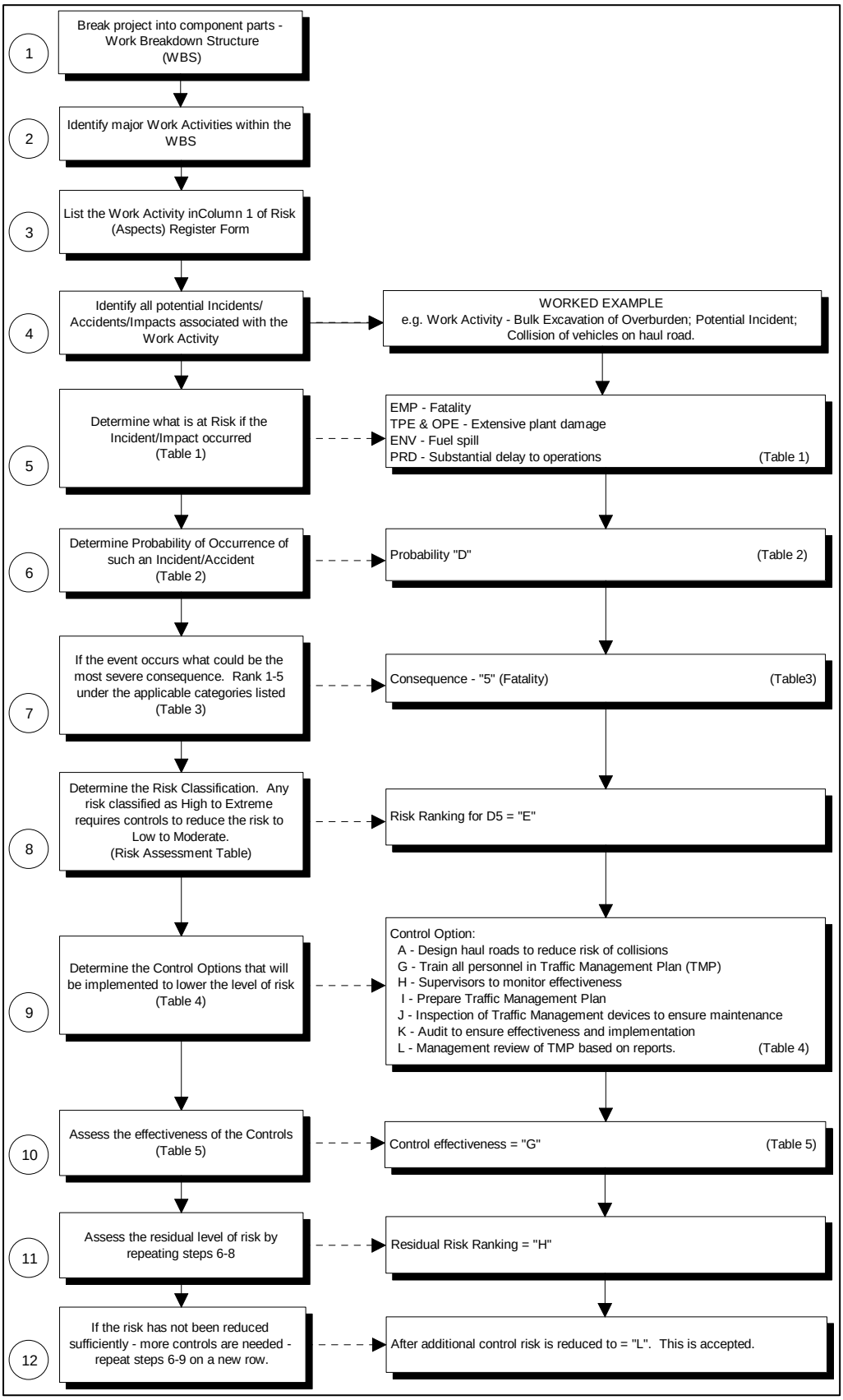
1
Break project into component parts - Work Breakdown Structure (WBS)
2
Identify major Work Activities within the WBS
3
List the Work Activity inColumn 1 of Risk (Aspects) Register Form
4
Identify all potential Incidents/ Accidents/Impacts associated with the Work Activity
WORKED EXAMPLE
e.g. Work Activity - Bulk Excavation of Overburden; Potential Incident; Collision of vehicles on haul road.
5
Determine what is at Risk if the Incident/Impact occurred (Table 1)
EMP - Fatality
TPE & OPE - Extensive plant damage
ENV - Fuel spill
PRD - Substantial delay to operations (Table 1)
6
Determine Probability of Occurrence of such an Incident/Accident (Table 2)
Probability "D" (Table 2)
7
If the event occurs what could be the most severe consequence. Rank 1-5 under the applicable categories listed (Table 3)
Consequence - "5" (Fatality) (Table3)
8
Determine the Risk Classification. Any risk classified as High to Extreme requires controls to reduce the risk to Low to Moderate. (Risk Assessment Table)
Risk Ranking for D5 = "E"
9
Determine the Control Options that will be implemented to lower the level of risk (Table 4)
Control Option:
A - Design haul roads to reduce risk of collisions
G - Train all personnel in Traffic Management Plan (TMP)
H - Supervisors to monitor effectiveness
I - Prepare Traffic Management Plan
J - Inspection of Traffic Management devices to ensure maintenance
K - Audit to ensure effectiveness and implementation
L - Management review of TMP based on reports. (Table 4)
10
Assess the effectiveness of the Controls (Table 5)
Control effectiveness = "G" (Table 5)
11
Assess the residual level of risk by repeating steps 6-8
Residual Risk Ranking = "H"
12
If the risk has not been reduced sufficiently - more controls are needed - repeat steps 6-9 on a new row.
After additional control risk is reduced to = "L". This is accepted.