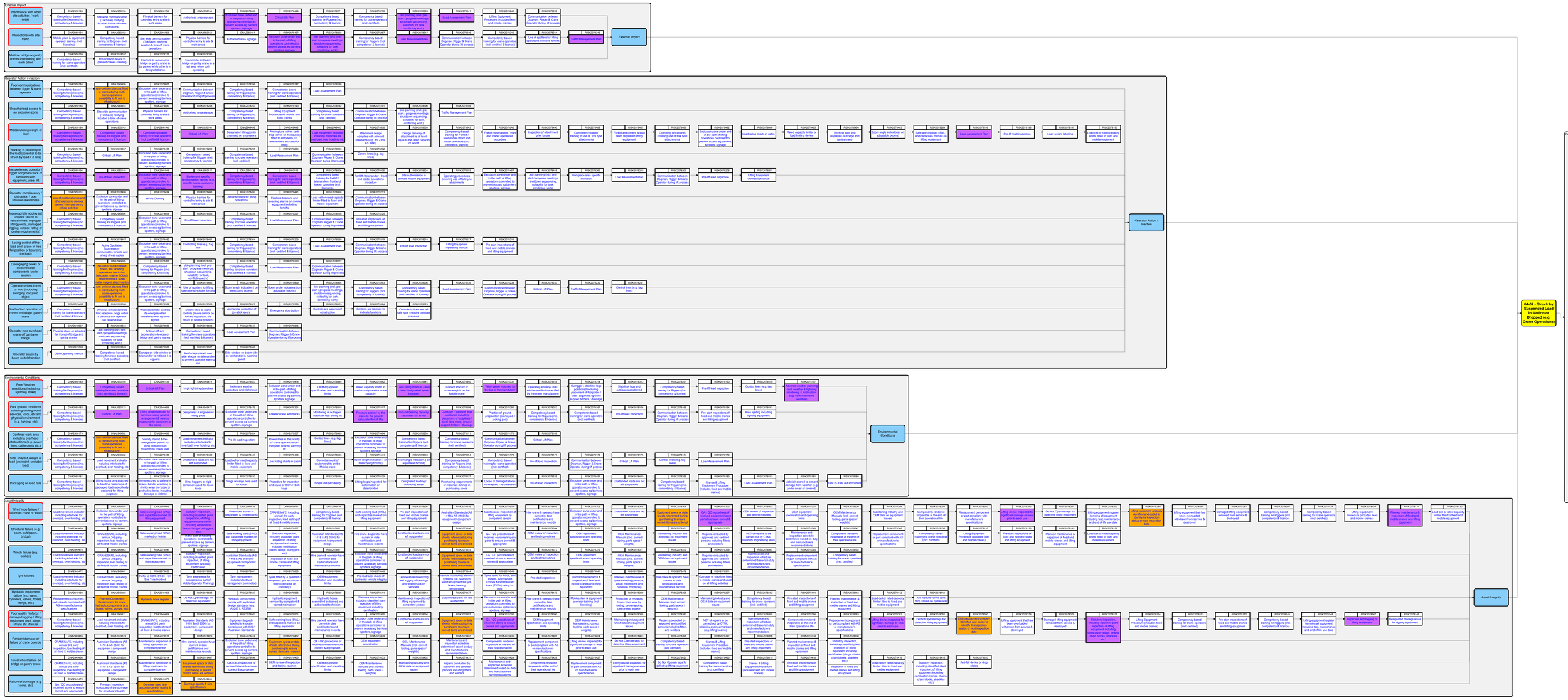
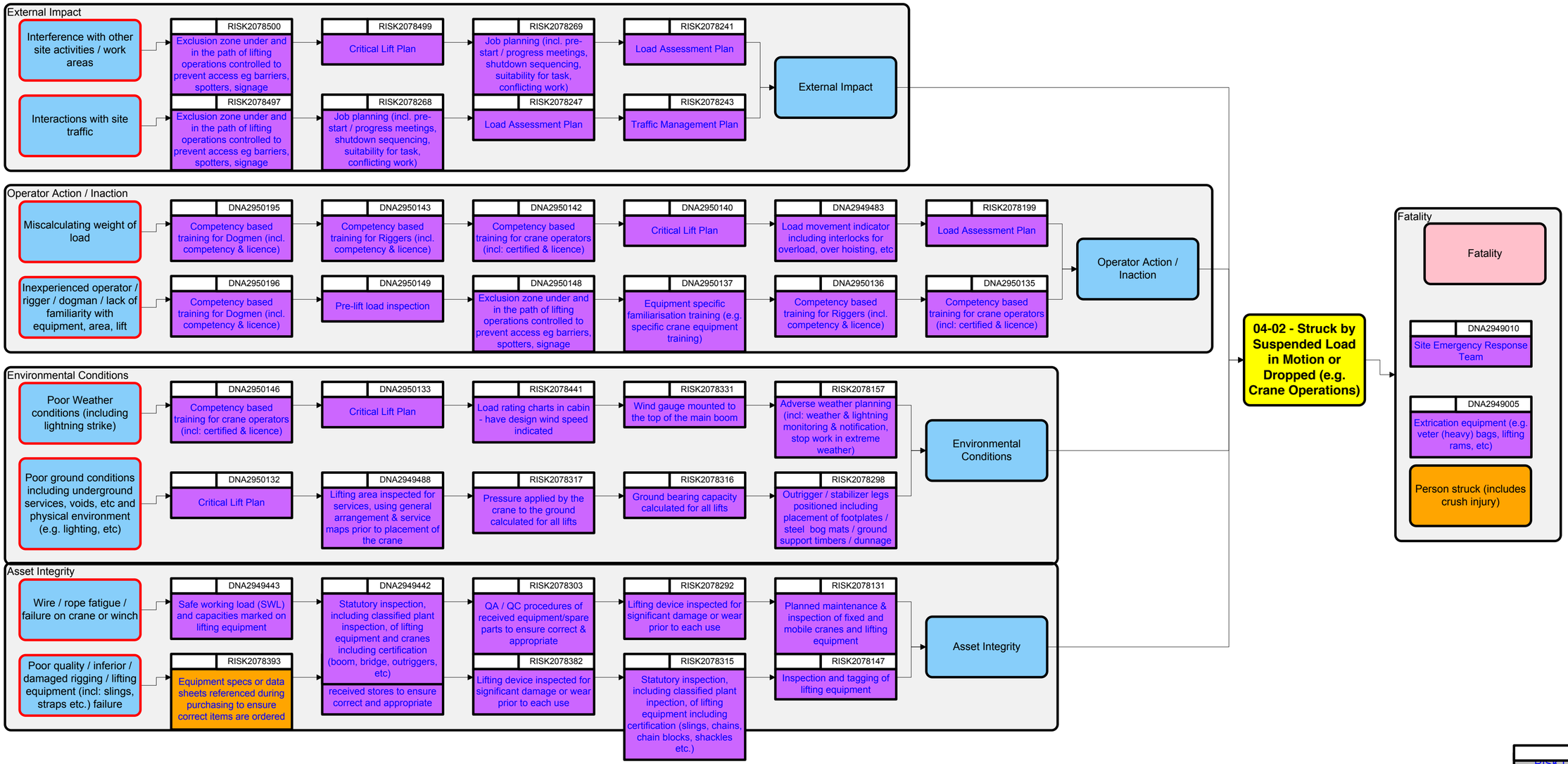
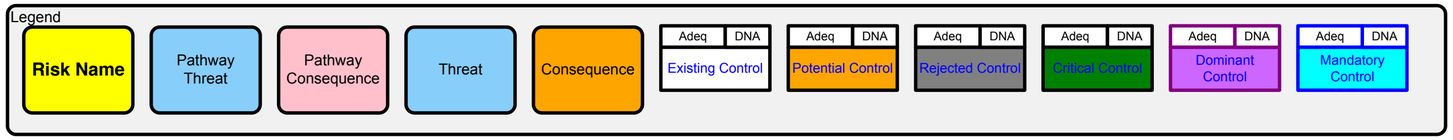

External Impact
Interference with other site activities (work areas)
Interactions with site traffic
Multiple bridge or gantry cranes interfereing with each other
External Impact
Operator Action / Inaction
Poor communication between rigger & crane operator
Unauthorised access to an exclusion zone
Miscalculating weight of load
Working in proximity to the load (potential to be struck by load if it falls)
Inappropriate operating figure (forward / back of / familiarity with equipment, area, lift)
Operator complacency / distraction / poor situation awareness
Inappropriate rigging set up (# of slings, sling capmain load, improper lifting points, damaged rigging, outside rating of design requirements)
Losing control of the load (incl. crane in free fall position or bouncing the load)
Disengaging hooks or quick release components under tension
Operator strikes boom or load (including swinging load) into object
Inadvertent operation of control on bridge, gantry crane
Operator runs overhead crane off gantry or bridge
Operator struck by boom on telehandler
Operator Action / Inaction
Environmental Conditions
Poor Weather conditions (including lightning strike)
Poor ground conditions (including underground services, voids, etc and physical environment) (e.g. lighting, etc)
Confined work area including overhead obstructions (e.g. power lines, cable ducts etc.)
Size, shape & weight of load (awkward, unstable load)
Packaging on load fails
Environmental Conditions
Asset Integrity
Wire / rope fatigue / failure on crane or winch
Structural failure (e.g. booms, outriggers, bridge)
Winch failure (e.g. brakes)
Tyre failures
Hydraulic equipment failure (incl. rams, cylinders, valves, hoses, fittings, etc.)
Poor quality / inferior / damaged rigging / lifting equipment (incl. slings, straps etc.) failure
Pendant damage or failure of crane controls
Travel wheel failure on bridge or gantry crane
Failure of durnage (e.g. knots, etc)
Asset Integrity
Fatality
04-02 - Struck by Suspended Load In Motion or Dropped (e.g. Crane Operations)
Fatality
Medical treatment injuries
Treatment & Rehabilitation of Injure & Illness employees
Medical evacuation capability (e.g. rescue helicopter)
On site ambulance
Emergency medical equipment (includes first aid kits, defibrillators, etc)
Advanced First aid training for selected personnel
First aid training
Emergency medical training (medical staff & ERT)
Emergency medical training (medical staff & ERT)
On site emergency medical personnel
Incident management team training
Incident Management Team
Emergency response team training
Site Emergency Management Plan
Medical treatment injuries
Medical treatment injuries
Piston struck (includes crush injury).
Legend
Risk Name
Pathway Threat
Pathway Consequence
Threat
Consequence
Ability
Existing Control
Ability
Internal Control
Ability
Control Owner
Ability
Control Type
Ability
Control Effectiveness
Ability
Control Owner
Ability
Control Type
Ability
Control Effectiveness
RISKOR7123
Struck by Suspended Load In Motion or Dropped (e.g. Crane Operations)
Lifting device strikes, pierces or is dropped resulting in a fatality from impact or crushing.
Examples are:
Loads lifted by mobile cranes including fixed or mobile cranes, loads under motion including transportation, complicated lifts involving multiple cranes and transferring loads to other lifting devices. Includes all suspended loads (either a partial or full load dropping), swinging loads.
Exclusions are:
Incidents involving loading or unloading trucks with packaged items (04-02), crane collapse (01-04) and exposure to hazardous chemicals released from impact on process equipment (C4/ 15 and above)
17/08/2018



RISK2078123

- RISK DETAILS -Load suspended by a mechanical device strikes person or is dropped resulting in a fatality from impact or crushing.

Examples are:
Loads lifted by mechanical means including fixed or mobile cranes, loads under motion including transportation, complicated lifts involving multiple cranes and transferring loads to other lifting devices.
Includes all suspended loads (either a partial or full load dropping), swinging loads.

Exclusions are:
Incidents involving loading or unloading trucks with packaged items (04-02), crane collapse (01-04) and exposure to hazardous chemicals released from impact on process equipment (Cat 16 and above)

17/08/2016