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49	DAMAGE TO CATENARY FROM BIRD SHORT CIRCUITS TO RETURN CONDUCTOR
COMPONENT	Midpoint anchor and anchor termination locations where the return conductor crosses catenary wire and the clearance is less than 600mm at maximum design temperature.
PROBLEM	Bird strikes causing short circuits from live equipment to crossing return conductors result in stranding of the conductor. This leads to a risk of a dewirement.
ACTION REQUIRED	<ol style="list-style-type: none"> 1. Increase electrical clearance to between catenary and return conductor to 600mm minimum, taking sag due to temperature into account. 2. Fit a stand off arrangement to the return conductor as necessary.

Reference Information	
Ellipse standard job number	13049
Ellipse standard job description	Increase RC/Catenary termination clearance
Category	Catenary wire
Priority	Yes
Types of OLE affected	Mk 3 (all)
Original equipment dates	1970 - 1987



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