

Ref:	NR/L2/ELP/27009/MOD C63
Issue:	1
Date:	03/12/2011
Compliance date:	03/03/2012
Page	1 of 2

OVERHEAD LINE CAMPAIGN CHANGES – DATA SHEET

63

RENEW HIGH RISK PORCELAIN INSULATORS (SPANWIRE, TENSILE AND A682) PRONE TO FAILURE DUE TO DISCING.

COMPONENT Porcelain insulators with a high risk of discing insulator failure, more than 40 years old. This includes spanwire insulators, tensile insulators and A682 contact wire registration insulators.

PROBLEM Water penetration at the end cap over time (at least 40 years) leads to an increased risk of insulator failure at the end cap and catastrophic failure.

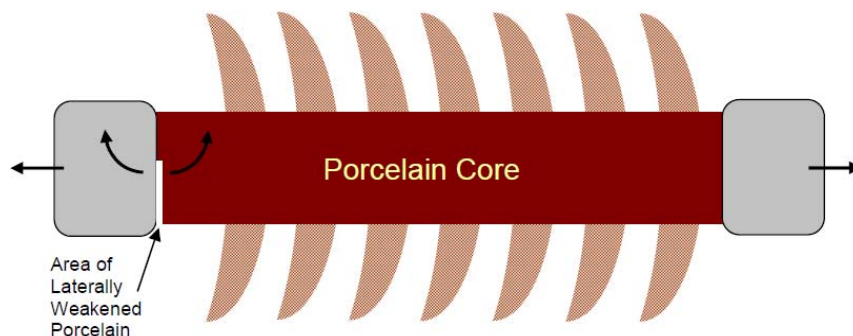


Illustration of bending forces generated in a weakened insulator in tension (from Delta Rail)

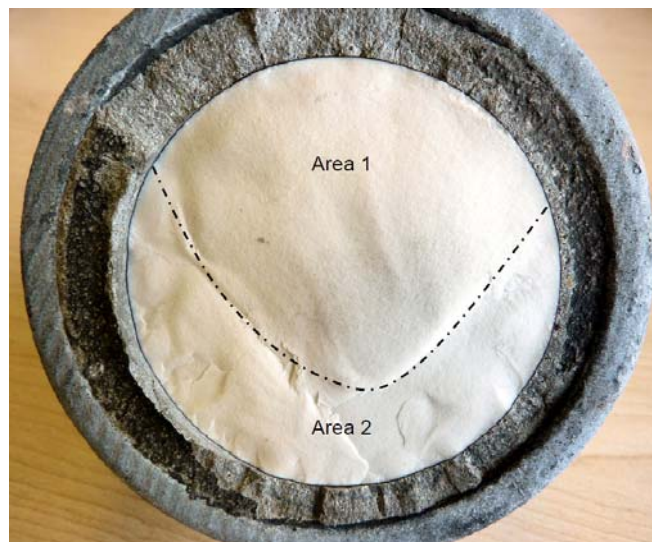


Illustration of discing insulator failure (area 2 in picture) (from Delta Rail)

Reference Information	
Ellipse standard job number	13063
Ellipse standard job description	Renew high risk porcelain INS - discing
Category	Insulators
Priority	No
Types of OLE affected	Mk1; Mk2; Mk3; Mk3a; Mk3b; Mk3c
Original equipment dates	After 1958



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Page	2 of 2

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63	RENEW HIGH RISK PORCELAIN INSULATORS (SPANWIRE, TENSILE AND A682) PRONE TO FAILURE DUE TO DISCING.
ACTION REQUIRED	<p>Replace affected insulators with the polymeric equivalent insulator.</p> <p>Note that high impact porcelain types were sometimes used previously to replace normal porcelain types.</p>

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