

Initiated by: Dave Emrich

Project Manager: Tom Booler

Proposed Priority: Fast Track Normal

Title: Covers to prevent rain entering lightning arrestors

Affected item(s):

All tiles at the MRO

Technical description:

Some DoC cable failures seem to be caused by moisture ingress into the rear of the F-type connectors and it is possible that the path is via the lightning arrestors.

A fairly simple fix seems to be to fold a small square (approx 150mm x 150mm) of thin aluminium flashing around the lightning arrestors on the face of the beam-formers to prevent direct rainfall from impinging on the RF connectors and lightning arrestors. The material is soft enough to easily take bends and folds by hand. Product available from Bunnings, item number 1100454 – 150mm wide, 0.3mm thick WeatherFlash roll, 20m long.

Photo Figure 1: Note the photo was taken after the tile was disconnected and ‘capped’ as part of MWA reconfiguration.

Effective Date: 2018-01-01
(dd-mm-yyyy)

Reason for given effective date: This knowledge was gained during the latter half of 2017 and applies from now on.

Expected impact on cost (\$AUD): Minimal: Material already on site, labour to fit during regular tile maintenance.

Impact on schedule: Minor, takes a few minutes extra when conducting regular tile maintenance.

Other impacts: None apparent.

Attached Document(s):

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Signature:



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Date:

2018-06-25



FIGURE 1: SHOWING HAND-FOLDED COVER OVER LIGHTNING ARRESTORS